SUPPLEMENTAL SITE INVESTIGATION REPORT

Performed at:

William Howard Taft Charter High School
5461 Winnetka Avenue
Woodland Hills, California 91364

Prepared for:

Los Angeles Unified School District
Office of Environmental Health & Safety
333 South Beaudry, 21st Floor (21-223-07)
Los Angeles, California 90017

EFI Global Project No. 9836003557 / 045.00349

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EXECUTIVE SUMMARY

On behalf of the Los Angeles Unified School District (LAUSD) Office of Environmental Health and Safety (OEHS), EFI Global has performed a Supplemental Site Investigation (SSI) for the William Howard Taft Charter High School campus located at 5461 Winnetka Avenue in Woodland Hills, California (the Site).

Proposed work at the campus includes the seismic retrofit, modernization, and improvement of several existing structures; demolition of several existing structures, and construction of new improvements. The purpose of this assessment is to identify if any environmental issues will need to be mitigated either prior to or during construction activities.

According to information presented in a Phase I Environmental Site Assessment (ESA) performed at the Site by PlaceWorks in 2017, it was common practice for LAUSD to apply herbicides containing arsenic prior to the placement of asphalt concrete (AC) pavement. Additionally, a three-stage clarifier located near the former Industrial Arts building was identified. Additional identified environmental concerns included the potential for soil contamination from lead-based paint, and potential health risks associated with naturally-occurring radon gas.

EFI Global previously conducted a Preliminary Environmental Assessment – Equivalent (PEA-E; dated March 22, 2019) to assess shallow soils in select portions of the Site for Title 22 metals, organochlorine pesticide (OCP), polychlorinated biphenyl (PCB), petroleum hydrocarbons, and volatile organic compound (VOC) impacts, and to evaluate the Site for a potential vapor intrusion condition (pVIC) from the on-site three-stage clarifier. Results for the PEA-E are provided under separate cover.

At the request of LAUSD OEHS, EFI Global conducted this SSI to assess the soil in the areas of proposed improvements for lead, arsenic, organochlorine pesticide (OCP), polychlorinated biphenyl (PCB), Total Petroleum Hydrocarbon (TPH), volatile organic compound (VOC), and semi-volatile organic compound (SVOC) impacts. Field work conducted as part of this investigation included the advancement of 37 soil borings and 2 step-out soil borings. Additionally, shallow soil samples were collected from a total of 11 previous soil sampling locations for thallium analysis.

One soil sample exceeded the maximum allowable concentration for arsenic of 24 milligrams per kilogram (mg/kg). As such, EFI Global recommends completing a Remedial Action Work Plan (RAW) for the removal of the upper 3 feet of impacted soil in the vicinity of location of HA26 through excavation and disposal. The calculated 95% Upper Confidence Limit for the detected concentrations of arsenic (10.2 mg/kg) did not exceed the screening criterion for arsenic of 12 mg/kg.

Detected concentrations of OCPs, lead, TPH, VOCs, and SVOCs did not exceed their respective SSALs. PCBs and thallium were not detected at concentrations above laboratory detection limits in the soil samples analyzed.

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1.0 INTRODUCTION

On behalf of the Los Angeles Unified School District (LAUSD) Office of Environmental Health and Safety (OEHS), EFI Global has performed this Supplemental Site Investigation (SSI) for the William Howard Taft Charter High School campus located at 5461 Winnetka Avenue in Woodland Hills, California (the Site; Figure 1). The SSI was performed in anticipation of construction work proposed at the Site.

Proposed work at the campus includes the seismic retrofit, modernization, and improvement of several existing structures; demolition of several existing structures; and construction of new improvements. The purpose of this assessment is to identify if any environmental issues will need to be mitigated either prior to or during Site construction activities.

EFI Global previously conducted the Preliminary Environmental Assessment – Equivalent (PEA-E; dated March 22, 2019) at the Site. A total of 96 soil borings (B1 through B96) and 27 step-out borings were advanced in several areas of the Site, and select soil samples were collected and analyzed. Two soil vapor probes were installed one boring (B13), and soil vapor samples were collected and analyzed. Results for the PEA-E have been provided under separate cover.

At the request of LAUSD OEHS, EFI Global conducted this SSI to assess the soil in additional areas of proposed improvements for lead, arsenic, organochlorine pesticide (OCP), polychlorinated biphenyl (PCB), petroleum hydrocarbon, volatile organic compound (VOC), and semi-volatile organic compound (SVOC) impacts. Field work conducted as part of this investigation included the advancement and select soil sampling in 37 soil borings and 2 step-out soil borings. Additionally, shallow soil samples were collected from 11 former soil sampling location for thallium analysis.

2.0 SITE INFORMATION

This section provides pertinent Site information, including the location, description and the geologic and hydrogeologic settings.

2.1 SITE LOCATION AND DESCRIPTION

The Site is located on the southwest corner of the intersection of Ventura Boulevard and Winnetka Avenue in the Woodland Hills neighborhood of the city of Los Angeles, California (Figure 2). The Site is bound to the north by Ventura Boulevard, to the south by Santa Rita Street, to the east by Winnetka Avenue, and to the west by Del Moreno Drive. The Site is approximately 29 acres in size (identified by Assessor's Parcel Number 2166-042-902) and consists of several academic and administrative structures, courtyards, recreational fields, sports facilities, landscaped areas, and parking lots. The school campus was originally constructed between 1958 and 1961. The surrounding area is used for commercial and residential purposes.

2.2 REGIONAL GEOLOGIC AND HYDROGEOLOGIC SETTING

The Site is located within the southwest portion of the San Fernando Valley, north of the Santa Monica Mountains, which are a part of the Transverse Ranges Geomorphic Province. The Transverse Ranges are an east-west trending series of steep mountain ranges and valleys. The east-west structure of the Transverse Ranges is oblique to the normal northwest trend of coastal California, hence the name "Transverse." The province extends offshore to include San Miguel, Santa Rosa, and Santa Cruz islands. Its eastern extension, the San Bernardino Mountains, has been displaced to the south along the San

Andreas Fault (*California Geomorphic Provinces – Note 36*, California Geological Survey, revised December 2002).

The majority of the Site is underlain with Quaternary-aged surficial sediment deposits of Holocene and Pleistocene age. These deposits are generally characterized as alluvial gravel, sand, and clay of valley areas. The southern portion of the Site is underlain by a Miocene-aged unnamed shale formation which consists of light gray, moderately to vaguely bedded claystone and siltstone (*Geologic Map of the Topanga – Canoga Park (South ½) Quadrangles*, Dibblee Geological Foundation, 1992).

2.3 Local Geologic and Hydrogeologic Setting

The elevation of the Site ranges between approximately 835 feet above mean sea level (ft. amsl) in the northeast portion to 915 ft. amsl in the south portion (Canoga Park, California 7.5-minute topographic quadrangle, United States Geological Survey, 1967; Figure 1]. No wetlands were identified at the property or adjoining/immediately surrounding properties.

Groundwater was encountered at the Site during the PEA-E at a depth of approximately 11.5 feet bgs. This datum is further supported by groundwater data presented in the State Water Resources Control Board (SWRCB) GeoTracker website. Groundwater was detected at the closed leaking underground storage tank site (20101 Ventura Boulevard) located approximately 70 feet north of the Site across Ventura Boulevard at an average depth of approximately 10 feet bgs with a reported groundwater flow direction to the northeast [*Groundwater Monitoring Report – Second Quarter 2010 (5 January 2010 to 25 May 2010) Former Mobil Service Station 18183*, Etic Engineering, June 2010].

3.0 FIELD ACTIVITIES

All field activities pertaining to this SSI were completed from July 8 - 10, 2019. Field work conducted as part of this investigation included the advancement and select soil sampling in 37 new soil borings (HA1 through HA37) and two step-out soil borings around previous boring B9 (B9A and B9B). Field activities can be summarized as follows:

- July 8, 2019: Soil sampling in borings HA2 through HA5 and HA8 through HA14;
- July 9, 2019: Soil sampling in borings HA1, HA6, HA15 through 23, HA27; Step out sampling (borings B9A and B9B) around former boring B9; and
- July 10, 2019: Soil sampling in borings HA24 through HA26, HA28 through HA37; collection of waste profile sampling SD1 (soil profile sample) and WD1 (decontamination water profile sample).
- October 9, 2019: Shallow soil sampling in former sampling locations B2, B5, B9, B11, B37, B41, B43, B53, B56, B60, and B61 for thallium analysis.

3.1 Field Preparation

Prior to conducting field activities, EFI Global personnel marked the work areas clearly with white paint. Underground Service Alert (USA) was notified of the pending fieldwork a minimum of 48 hours before mobilization. Boring locations were subsequently checked for utility conflicts, access limitations and other hindrances or issues which may have been encountered during fieldwork. No conflicts with utilities were identified in the chosen boring locations.

3.2 Soil Sampling

EFI Global field personnel directed the advancement of 37 soil borings (HA1 through HA37; Figures 3 through 5) to assess subsurface conditions. Based on analytical results of the previous PEA-E, two step-out borings were also advanced around former sampling location B9 to further assess soil conditions. Additionally, shallow soil samples were collected at an interval of 0 to 0.5 feet bgs in former sampling locations B2, B5, B9, B11, B37, B41, B43, B53, B56, B60, and B61 for thallium analysis.

3.2.1 Boring Locations, Sampling Intervals and Chemical Analyses

A summary of boring locations, sampling depths, and soil sample chemical analysis from both the previous PEA-E and this SSI is presented in Table 1.

3.2.2 Borehole Advancement and Soil Sampling Methodology

All borings for this SSI were advanced using hand auger equipment. At each location with asphaltic concrete (AC) paving, a coring barrel was initially used to core through the asphalt surface cover. An approximately 3.25-inch-diameter hand auger was used to advance the boring. Soil samples were collected at designated sampling depths in each boring by retrieving a representative volume of soil from the auger bucket and transferring the soil into an acetate liner or a pre-cleaned, laboratory-provided, glass jars with Teflon® lids.

Soil was logged in general accordance with the Unified Soil Classification System (USCS). The samples were observed for color, texture, moisture content, plasticity, evidence of fill material, visible evidence of soil contamination (i.e., discoloration), and any other notable characteristics. Remaining soil from the recovered interval was extruded from the sample liner and used for lithologic description and headspace analysis using a photoionization detector (PID). Incidental odors were also noted, if any. Chain-of-custody documentation and protocol were maintained from sample collection through submittal to the analytical laboratory.

Each sample was additionally field-screened for volatile organic compounds (VOCs) by headspace analysis using a PID. A portion of the recovered sample was placed in a plastic bag and sealed to allow organic vapors to volatilize, at which point the PID probe tip was inserted into the bag and the maximum reading observed and recorded.

A minimum of 10% of representative duplicate soil samples were additionally collected for quality control measures.

The 0.5-foot soil samples from borings HA1 through HA37 were additionally sub-sampled via EPA Method 5035 to preserve samples for VOC analysis. EPA Method 5035 preservation consisted of immediate sub-sampling of the recovered soil by extracting three 5-gram aliquots of soil from the acetate liner, placing two into glass vials with sodium bisulfate preservative, and placing one into a glass vial with methanol preservative.

Upon completion of soil sampling, borings were backfilled and patched to match the existing grade.

3.3 Encountered Soil Types

Soils encountered during this assessment at depths between 0 to 2.5 feet were classified generally as clayey silt (USCS soil type classification ML) and silty clay (CL); light to dark brown; low to high plasticity, moist.

PID readings ranged from 0.0 parts per million (ppm) to a maximum of 6.0 parts per million.

Groundwater was not encountered at the Site during this assessment.

Boring logs with borehole completion diagrams are included as Appendix A.

3.4 Investigative-Derived Waste Management

Soil cuttings and decontamination water generated during the drilling of soil borings were placed in separate Department of Transportation (DOT)-approved 55-gallon drums and stored at the Site pending transport to an appropriate disposal facility. The drums were identified with a label including the name of waste generator, type of waste (soil or water), and accumulation date.

One composite sample was collected from contents of each of the drums and analyzed for organochlorine pesticides (OCPs) by EPA Method 8081A, polychlorinated biphenyls (PCBs) by EPA Method 8082, Title 22 Metals by EPA Method 6010B, Total Petroleum Hydrocarbons – carbon chain (TPHcc) analysis by EPA Method 8015M, VOCs by EPA Method 8260B and semi-volatile organic compounds (SVOCs) by EPA Method 8270C. The results are included in Appendix B.

The investigative derived waste was transported to the Crosby & Overton disposal facility in Long Beach, California on September 17, 2019, under applicable manifesting procedures. The waste manifest is included as Appendix C.

4.0 CHEMICAL ANALYSIS

Select soil samples were submitted for chemical analysis. Soil chemical analysis was conducted by Eurofins Calscience of Garden Grove, California. Laboratory reports and chain-of-custody documentation are provided as Appendix B.

4.1 Soil Analytical Schedule

Select soil samples were submitted for one or more of the following analytical methods:

- OCPs by EPA Method 8081A;
- PCBs by EPA Method 8082;
- Lead by EPA Method 6010B;
- Arsenic by EPA Method 6020;
- Thallium by EPA Method 6020;
- Total Petroleum Hydrocarbons – carbon chain (TPHcc) analysis by EPA Method 8015M;
- VOCs by EPA Method 8260B; and,
- SVOCs by EPA Method 8270C.

A summary of sample locations, sample IDs, depths, and chemical analysis is presented in Table 1.

5.0 ANALYTICAL RESULTS

This section presents chemical analytical results of soil analyses. Tables 2 through 6 provide summaries of analytical results for soil samples collected as part of this investigation and the previous PEA-E.

5.1 OCPs in Soil

A summary of OCPs in soil is presented in Table 2. Chlordane, 4,4'-DDD, 4,4'-DDE, 4'4-DDT, and dieldrin were detected in soil. Detected concentrations of OCPs were evaluated against Site Specific Action Levels (SSALs). SSALs for OCPs were sourced from the EPA's Regional Screening Level (RSL) Summary Table (Target Risk = 1E-06, Target Hazard Quotient = 1.0; April 2019) residential-scenario data set. Concentrations are summarized as follows:

- Chlordane – Detected in one soil sample analyzed at a concentration of 33 micrograms per kilogram (µg/kg) in sample HA30-0.5.

  The RSL for chlordane is 1,700 µg/kg. The detected concentrations of chlordane did not exceed this screening criterion.

- 4,4'-DDE – Detected in two soil samples analyzed at concentrations of 13 µg/kg in sample HA16-0.5 and 6.6 µg/kg in sample HA30-0.5.

  The RSL for 4,4'-DDE is 2,000 µg/kg. Neither of the two detected concentrations of 4,4'-DDE exceeded this screening criterion.

- Dieldrin – Detected in three soil samples analyzed. Concentrations ranged from 1.3 µg/kg in sample HA23-0.5 to 5.1 µg/kg in sample HA30-0.5.

  The RSL for dieldrin is 34 µg/kg. None of the detected concentrations of dieldrin exceeded this screening criterion.

- No other OCPs were detected above laboratory detection limits in soil.

5.2 PCBs in Soil

A summary of PCBs in soil is presented in Table 3. PCBs were not detected above laboratory reporting limits in any of the samples analyzed.

5.3 Arsenic, Lead, and Thallium in Soil

A summary of arsenic, lead, and thallium results for this investigation and Title 22 Metals analytical results for the PEA-E is presented in Table 2.

Detected concentrations of lead and arsenic in soil were evaluated against screening levels set by LAUSD OEHS (80 mg/kg and 12 mg/kg for lead and arsenic, respectively). The screening levels for the remaining Title 22 metals were sourced from the EPA's RSL Summary Table (Target Risk = 1E-06, Target Hazard Quotient = 1.0; April 2019) residential-scenario data set.

5.3.1 Arsenic

Detected in 42 of 46 soil samples analyzed. Concentrations ranged from 1.17 milligrams per kilogram (mg/kg) in sample HA10-0.5 to 26 mg/kg in sample HA26-1.5.

The SSAL for arsenic is 12 mg/kg with outliers allowed if the maximum concentration is at or below 24 mg/kg and the 95% upper confidence limit (UCL) is at or below 12 mg/kg (*Scope of Services: PEA Equivalent* document dated April 23, 2018). The arsenic concentration in soil sample HA26-1.5 exceeded the SSAL of 12 mg/kg. Based on the exceedance of arsenic above maximum allowable concentration in soil samples collected from sampling location HA26, EFI Global recommends "housecleaning action" for the removal of arsenic impacted soils in this area.

The concentrations of arsenic detected during this investigation and the PEA-E provided the soil data necessary to calculate a 95% upper confidence limit (UCL). The 95% UCL was calculated using statistical software (ProUCL 5.0), developed by the USEPA, as a method to determine a reasonable estimate of the exposure point concentration on-site.

Arsenic concentrations					
Number of Observations	**Maximum (mg/kg)**	**Mean (mg/kg)**	**Standard Deviation**	**95 UCL (mg/kg)**	**95 UCL Method**
181	36.2	0.995	5.403	10.2	95% Chebyshev (Mean, Sd) UCL

The statistical analysis indicates a 95% UCL of 10.2 mg/kg for detected arsenic concentrations in soil. The 95% UCL for arsenic in soil does not exceed the SSAL of 12 mg/kg. The statistical results from ProUCL 5.0 are presented in Appendix D.

5.3.2 LEAD

Lead was detected in all soil samples analyzed. Concentrations ranged from 1.45 mg/kg in sample HA14-0.5 to 40.4 mg/kg in sample HA15-0.5. The SSAL for lead is 80 mg/kg. None of the detected lead concentrations in soil exceeded the SSAL.

5.3.3 THALLIUM

Thallium was not detected above laboratory reporting limits in any of the soil samples collected as part of this investigation.

It should be noted that the laboratory reporting limits for thallium ranged from 0.995 mg/kg to 5.00 mg/kg, which are greater than the SSAL for thallium of 0.78 mg/kg.

5.4 TPH IN SOIL

A summary of TPH in soil is presented in Table 5. Petroleum hydrocarbons can be characterized by the length of their constituent carbon chains. Carbon C4-C12, C13-C22, and C23-C36 are commonly interpreted as gasoline (TPH-g), diesel (TPH-d), and oil (TPH-o) range hydrocarbons, respectively. A full carbon chain analysis (TPHcc) includes all the petroleum hydrocarbons C4 through C44. Detected concentrations of petroleum hydrocarbons in soil were evaluated against Maximum Soil Screening Levels of for sites with a groundwater depth of less than 20 feet below the sampling depth, as published in the Los Angeles Regional Water Quality Control Board's *Interim Site Assessment and Cleanup Guidebook* (May 1996). Concentrations are summarized as follows:

- TPH-g - Detected in one soil sample (HA33-0.5) at a concentration of 59 mg/kg.

  The site-specific MSSL for TPH-g is 100 mg/kg. The detected concentration of TPH-g did not exceed this screening criterion.

- TPH-d - Detected in one soil sample (HA31-0.5) at a concentration of 6.5 mg/kg.

  The site-specific MSSL for TPH-d is 100 mg/kg. The detected concentration of TPH-d did not exceed this screening criterion.

- TPH-o - Detected in 24 soil samples at concentrations ranging from 5.5 mg/kg in sample HA16-5 to a maximum concentration of 480 mg/kg in sample HA9-0.5.

  The site-specific MSSL for TPH-o is 1,000 mg/kg. The detected concentrations of TPH-o did not exceed this screening criterion.

5.5 VOCs in Soil

A summary of VOCs in soil is presented in Table 5. Benzene, ethylbenzene, toluene, acetone, and carbon disulfide were detected in soil. Detected concentrations of VOCs were evaluated against SSALs. SSALs for VOCs were sourced from the EPA's RSL Summary Table (Target Risk = 1E-06, Target Hazard Quotient = 1.0; April 2019) residential-scenario data set. Concentrations are summarized as follows:

- Benzene – Detected in four soil samples at concentrations ranging from 0.80 µg/kg in sample HA33-0.5 to a maximum concentration of 2.0 µg/kg in sample HA31-0.5.

  The RSL for benzene is 1,200 µg/kg. The detected concentrations of benzene did not exceed this screening criterion.

- Ethylbenzene – Detected in one soil sample at a concentration of 1.4 µg/kg in sample HA25-0.5.

  The RSL for ethylbenzene is 5,800 µg/kg. The detected concentration of ethylbenzene did not exceed this screening criterion.

- Toluene – Detected in two soil samples at concentrations of 2.3 µg/kg in sample HA25-0.5 and 2.7 µg/kg in sample HA31-0.5.

  The RSL for toluene is 4.9 x 10^6 µg/kg. The detected concentrations of toluene did not exceed this screening criterion.

- Acetone – Detected in 18 soil samples at concentrations ranging from 46 µg/kg in sample HA11-0.5 to a maximum concentration of 190 µg/kg in sample HA15-0.5.

  The RSL for acetone is 6.1 x 10^7 µg/kg. The detected concentrations of acetone did not exceed this screening criterion.

- Carbon Disulfide – Detected in one soil sample at a concentration of 23 µg/kg in sample HA31-0.5.

  The RSL for carbon disulfide is 7.7 x 10^5 µg/kg. The detected concentration of carbon disulfide did not exceed this screening criterion.

- No other VOCs were detected above laboratory detection limits in soil.

5.6 SVOCs in Soil

A summary of SVOCs in soil is presented in Table 6. Benzene, ethylbenzene, toluene, acetone, and carbon disulfide were detected in soil. Detected concentrations of SVOCs were evaluated against SSALs. SSALs for VOCs were sourced from the EPA's RSL Summary Table (Target Risk = 1E-06, Target Hazard Quotient = 1.0; April 2019) residential-scenario data set. Concentrations are summarized as follows:

- Dimethyl phthalate – Detected in 24 soil samples at concentrations ranging from 0.49 mg/kg in sample HA30-0.5 to a maximum concentration of 0.88 mg/kg in sample HA6-0.5.

  There is no listed RSL for dimethyl phthalate.

- Bis (2-ethylhexyl) phthalate – Detected in two soil samples at concentrations of 0.68 mg/kg in sample HA16-0.5 and 0.84 mg/kg in sample HA23-0.5.

  The RSL for bis (2-ethylhexyl) phthalate is 31 mg/kg. The detected concentrations of bis (2-ethylhexyl) phthalate did not exceed this screening criterion.

- No other SVOCs were detected above laboratory detection limits in soil.

6.0 PROPOSED REMEDIAL ACTION WORK PLAN

Based on the exceedance of arsenic above the maximum allowable concentration, EFI Global recommends the completion of a RAW for the removal of impacted soils in the areas of the sampling locations listed in the table below:

Proposed Excavation Locations	Borings with Exceedances	Driving Chemical	Initial Proposed Excavation Area (ft^2)	Initial Proposed Excavation Depth (ft bgs)	Initial Proposed Excavation Volume (BCY)
HA26	HA26	Arsenic	25	3	3
				Total Volume (BCY)	3
				Total Volume (LCY)	5

Notes:
ft^2 = square feet
ft bgs = feet below ground surface
BCY = bank cubic yards
LCY = loose cubic yards

The proposed excavation to be included in the RAW are illustrated in Figures 3 through 6. The lateral boundaries of the proposed excavation are a distance of approximately five (5) feet in all cardinal directions (N, S, E, and W) from the sampling location in which the exceedance was detected, and the depth of the excavation is approximately 1.5 feet below the depth of the detected exceedance. The total volume of the proposed excavated soil is approximately 3 bank cubic yards (BCY) or 5 loose cubic yards (LCY). The extents of the impacted soil excavations are predicted minimums based on the existing data, with actual extents likely to vary based on field observations and confirmation sampling.

7.0 CONCLUSIONS

EFI Global has performed an SSI for the property located at 5461 Winnetka Avenue in Woodland Hills, California. EFI Global conducted this SSI to assess the soil in select portions of the Site for OCP, PCBs, TPH, VOCs, and SVOCs in the areas of proposed improvements. A total of 37 soil borings and two step-out borings were advanced as part of this investigation. Results can be summarized as follows:

- Chlordane, 4,4'-DDE, and dieldrin were detected in one or more soil samples. The detected concentrations of these constituents did not exceed their respective SSALs. No other OCPs were detected above laboratory detection limits in soil.
- PCBs were not detected above laboratory reporting limits in any of the samples analyzed.
- Arsenic was detected in 42 soil samples analyzed at concentrations ranging between 1.17 mg/kg in sample HA10-0.5 to 26 mg/kg in sample HA26-0.5. One detection of arsenic exceeded the maximum allowable concentration of 24 mg/kg. The remaining concentrations of arsenic detected during this investigation and the PEA-E provided the soil data necessary to calculate a 95% UCL. The statistical analysis indicates a 95% UCL of 10.2 mg/kg for detected arsenic concentrations in soil at the Site. The 95% UCL for arsenic in soil does not exceed the SSAL of 12 mg/kg.
- Lead was detected in all soil samples analyzed at concentrations ranging from 1.45 mg/kg in sample HA14-0.5 to 40.4 mg/kg in sample HA15-0.5. None of the detected lead concentrations in soil exceeded the SSAL for lead of 80 mg/kg.

- Thallium was not detected above laboratory reporting limits in any of the soil samples analyzed as part of this investigation. It should be noted that the laboratory reporting limits for thallium ranged from 0.995 mg/kg to 5.00 mg/kg, which are greater than the SSAL for thallium of 0.78 mg/kg.
- TPH-g, TPH-d, and TPH-o were detected in one or more soil samples at maximum concentrations of 59 mg/kg, 6.5 mg/kg, and 480 mg/kg. The detected TPH concentrations in soil did not exceed the MSSLs for TPH-g, TPH-d, and TPH-o of 100 mg/kg, 100 mg/kg, and 1,000 mg/kg, respectively.
- Benzene, ethylbenzene, toluene, acetone, and carbon disulfide were detected in one or more soil samples. The detected concentrations of VOCs did not exceed their respective RSLs. No other VOCs were detected above laboratory detection limits in soil.
- Dimethyl phthalate and bis (2-ethylhexyl) phthalate were detected in soil. There is no listed RSL for dimethyl phthalate. The detected concentrations of bis (2-ethylhexyl) phthalate did not exceed its RSL. No other SVOCs were detected above laboratory detection limits in soil.

Based on the single exceedance of arsenic above the maximum allowable concentration, EFI Global recommends the completion of a RAW for the removal of impacted soil at location HA26 to a depth of 3 feet bgs. Following removal of impacted soil, EFI Global recommends confirmation soil sampling be included in the RAW to confirm that the elevated concentrations have been adequately removed.

8.0 SIGNIFICANT ASSUMPTIONS, LIMITATIONS AND RELIANCE

This report has been prepared in accordance with generally-accepted environmental methodologies and industry standards as they relate to the Data Quality Objectives of the assessment. No warranties, expressed or implied, are made as to the professional services provided under the terms of EFI Global's contract(s) or specified in this report. This assessment has been conducted, in part, based on information, data or reports provided or prepared by others. EFI Global reviews and interprets these documents in good faith and relies that the provided data and documents are true and accurate.

Environmental conditions at the site were assessed or interpreted within the context of EFI Global's contract(s) and existing environmental regulations of applicable jurisdiction(s) as of the date of the report. Regulatory requirements, regulations and guidance are subject to change subsequent to the date of the report. Unless otherwise stated in the report, evaluating compliance of past, present or future owners with applicable local, provincial and federal government laws and regulations was not included within the scope of the assessment.

The environmental assessment is limited by the availability of information at the time of the assessment. The conclusions and recommendations regarding environmental conditions presented in this report are based on a scope of work authorized by the Client. It is possible that unreported conditions impairing the environmental status of the site may have occurred which could not be identified. EFI Global's opinions cannot be extended to portions of the site that were unavailable for direct access and observation reasonably beyond the control of EFI Global or outside of the scope of the assessment. Environmental assessment activities, particularly the sampling of soil, vapor (air), groundwater and structure materials, represent those conditions which are present at the time of sampling within the immediate vicinity of the sample(s) collected. Although sampling plans are developed in an attempt to provide what is interpreted as sufficient coverage within the assessment area to achieve the investigative objectives, no extent of sampling can guarantee all environmental conditions, potential chemicals of concern (man-made or naturally occurring) and concentrations at which they occur have been identified and quantified absolutely. The assessment performed and outlined in this report was based, in part, upon visual observations of the site and attendant structures. It should be noted that compounds, materials or chemicals of potential concern other than those described could be present in the site environment, and the possibility remains that unexpected environmental conditions may be encountered at the site in locations not specifically investigated.

All components of this report, including but not limited to text, signatures, certifications, figures, tables, attachments, appendices, supporting documents and addenda are integral to the reporting of the assessment. This report may not be reproduced, except in full, without written approval of EFI Global.

This report has been prepared for the sole use of LAUSD OEHS. The contents should not be relied upon by any other parties without the express written consent of LAUSD OEHS and EFI Global.

9.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

This assessment has been conducted with the standards and level of care and skill exercised in such types of investigations, by qualified geologists, engineers, environmental scientists or environmental professionals, in conformance with generally-accepted industry standards and practices.

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Desi Salgado
Project Manager

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Brian Martasin
Professional Geologist No. 8356
Principal Geologist

FIGURES

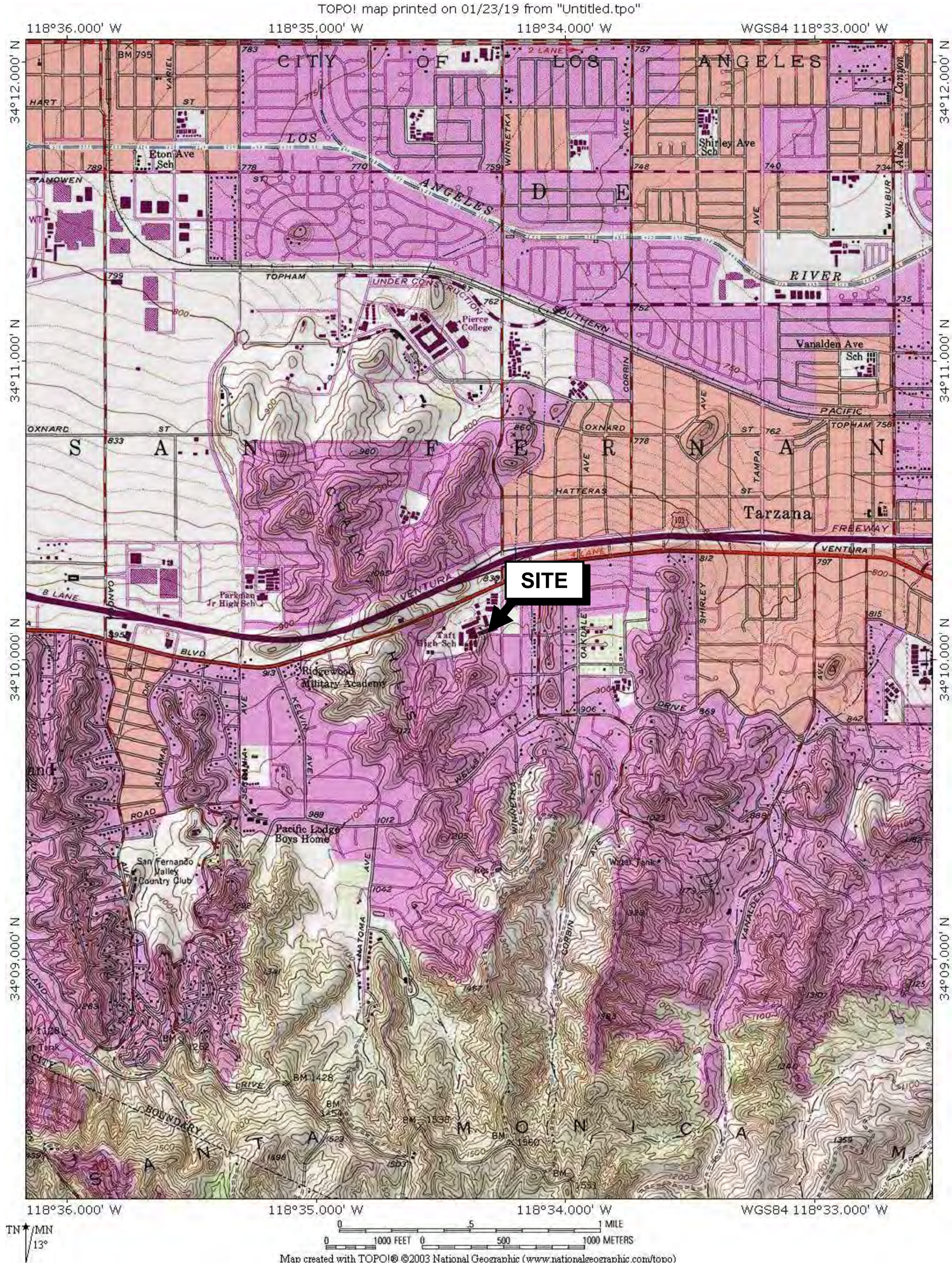

Figure 1
Site Location Map

William Howard Taft Charter High School
5461 Winnetka Avenue
Woodland Hills, California 91364

Source:
USGS Canoga, CA 7.5 Minute Topographic Map (1967)

Project Number: 9836003557

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TABLES

APPENDIX A

BORING LOGS WITH BOREHOLE COMPLETION DIAGRAMS

APPENDIX B

LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

APPENDIX C

INVESTIGATIVE-DERIVED WASTE MANIFEST

FIGURES

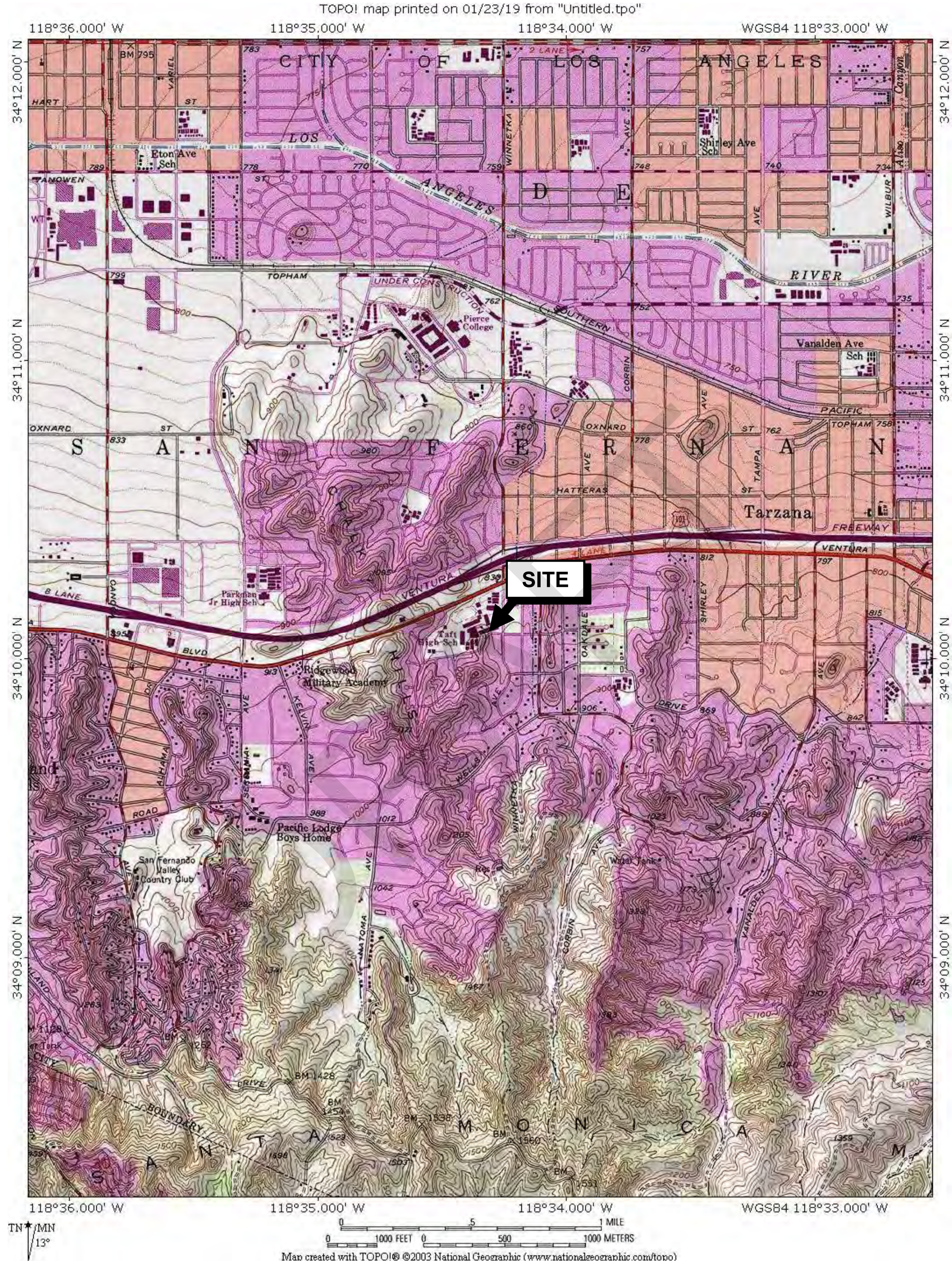


Figure 1
Site Location Map

William Howard Taft Charter High School
5461 Winnetka Avenue
Woodland Hills, California 91364

Source:
USGS Canoga, CA 7.5 Minute Topographic Map (1967)

Project Number: 9836003557

PROPERTY LINE
CAFM BUILDING NUMBER
CAFM BUILDING NUMBER (DEMO)
NEW BUILDING/ STRUCTURE
FULL/ MAJOR MODERNIZATION
LIGHT MODERNIZATION
MINOR SCOPE
NEW TRACK & FIELD
DEMOLITION
BARRIER REMOVAL

AERIAL BASEMAP SOURCE: SOURCE

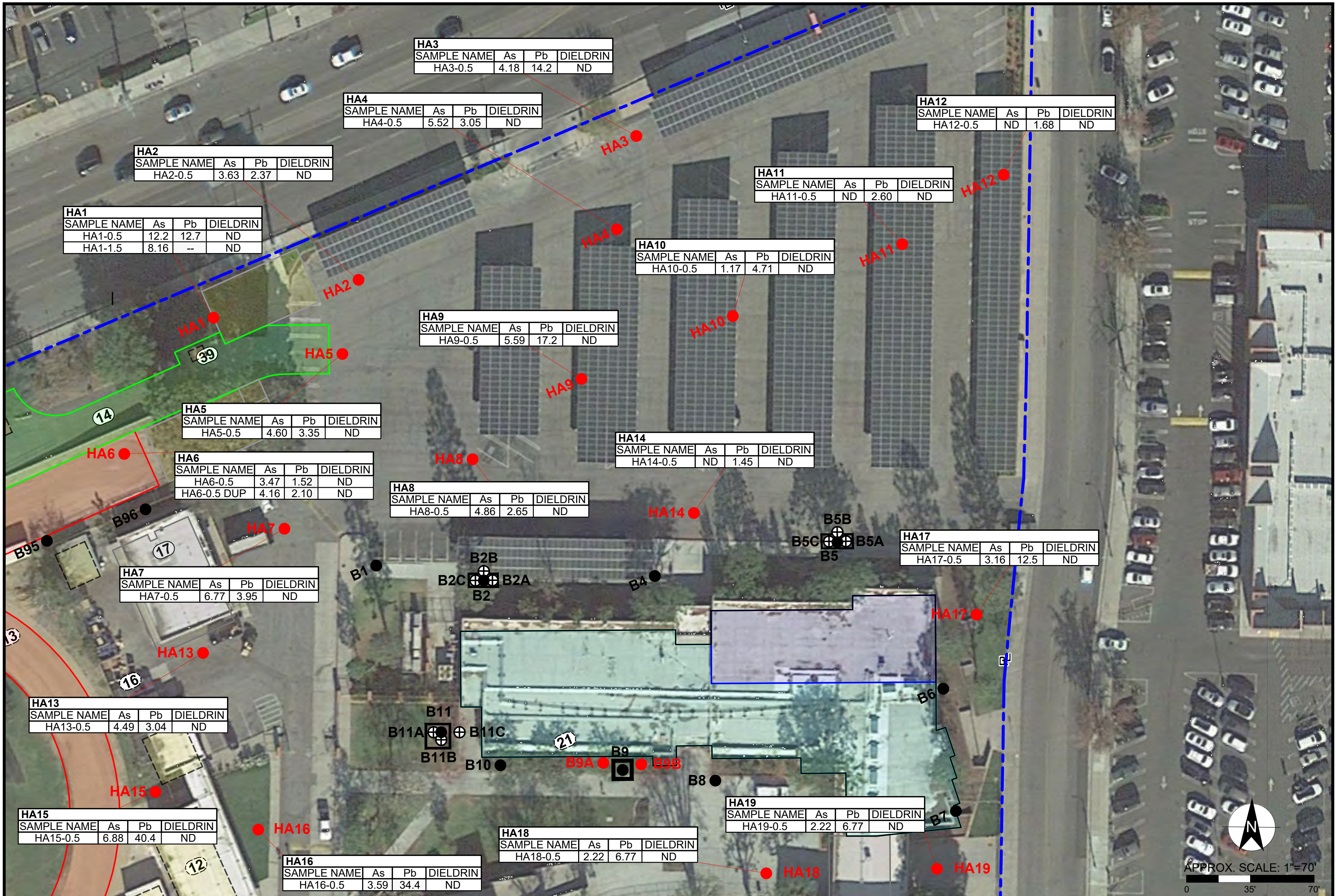
SITE PLAN

5461 WINNETKA AVE.
WOODLAND HILLS, CA 91364

efi global

PN:045.00349	FIGURE
DT: 9/12/2019	2
DB:JE CB:DS	

K:\AE 2018\Projects 2018\98360 Projects 2018\9836003557_045.00349_5461 Winnetka Ave Woodland Hills CA 91364\05 9836003557_Reports\2019-07 SSI\CAD\045.00349_SitePlan



HA1

SAMPLE NAME	As	Pb	DIELDRIN
HA1-0.5	12.2	12.7	ND
HA1-1.5	8.16	--	ND

HA2

SAMPLE NAME	As	Pb	DIELDRIN
HA2-0.5	3.63	2.37	ND

HA3

SAMPLE NAME	As	Pb	DIELDRIN
HA3-0.5	4.18	14.2	ND

HA4

SAMPLE NAME	As	Pb	DIELDRIN
HA4-0.5	5.52	3.05	ND

HA5

SAMPLE NAME	As	Pb	DIELDRIN
HA5-0.5	4.60	3.35	ND

HA6

SAMPLE NAME	As	Pb	DIELDRIN
HA6-0.5	3.47	1.52	ND
HA6-0.5 DUP	4.16	2.10	ND

HA7

SAMPLE NAME	As	Pb	DIELDRIN
HA7-0.5	6.77	3.95	ND

HA8

SAMPLE NAME	As	Pb	DIELDRIN
HA8-0.5	4.86	2.65	ND

HA9

SAMPLE NAME	As	Pb	DIELDRIN
HA9-0.5	5.59	17.2	ND

HA10

SAMPLE NAME	As	Pb	DIELDRIN
HA10-0.5	1.17	4.71	ND

HA11

SAMPLE NAME	As	Pb	DIELDRIN
HA11-0.5	ND	2.60	ND

HA12

SAMPLE NAME	As	Pb	DIELDRIN
HA12-0.5	ND	1.68	ND

HA13

SAMPLE NAME	As	Pb	DIELDRIN
HA13-0.5	4.49	3.04	ND

HA14

SAMPLE NAME	As	Pb	DIELDRIN
HA14-0.5	ND	1.45	ND

HA15

SAMPLE NAME	As	Pb	DIELDRIN
HA15-0.5	6.88	40.4	ND

HA16

SAMPLE NAME	As	Pb	DIELDRIN
HA16-0.5	3.59	34.4	ND

HA17

SAMPLE NAME	As	Pb	DIELDRIN
HA17-0.5	3.16	12.5	ND

HA18

SAMPLE NAME	As	Pb	DIELDRIN
HA18-0.5	2.22	6.77	ND

HA19

SAMPLE NAME	As	Pb	DIELDRIN
HA19-0.5	2.22	6.77	ND

PL — PROPERTY LINE
(#) CAFM BUILDING NUMBER
(#) CAFM BUILDING NUMBER (DEMO)
PROPOSED EXCAVATION AREA (PEA-E)
FULL/ MAJOR MODERNIZATION
LIGHT MODERNIZATION
MINOR SCOPE
NEW TRACK & FIELD
DEMOLITION
BARRIER REMOVAL
SOIL SAMPLING LOCATION (SSI)
FORMER SOIL SAMPLING LOCATION (PEA-E)
FORMER STEP-OUT SAMPLING LOCATION (PEA-E)

AERIAL BASEMAP SOURCE: SOURCE

SITE PLAN WITH ARSENIC, LEAD & DIELDRIN CONCENTRATIONS

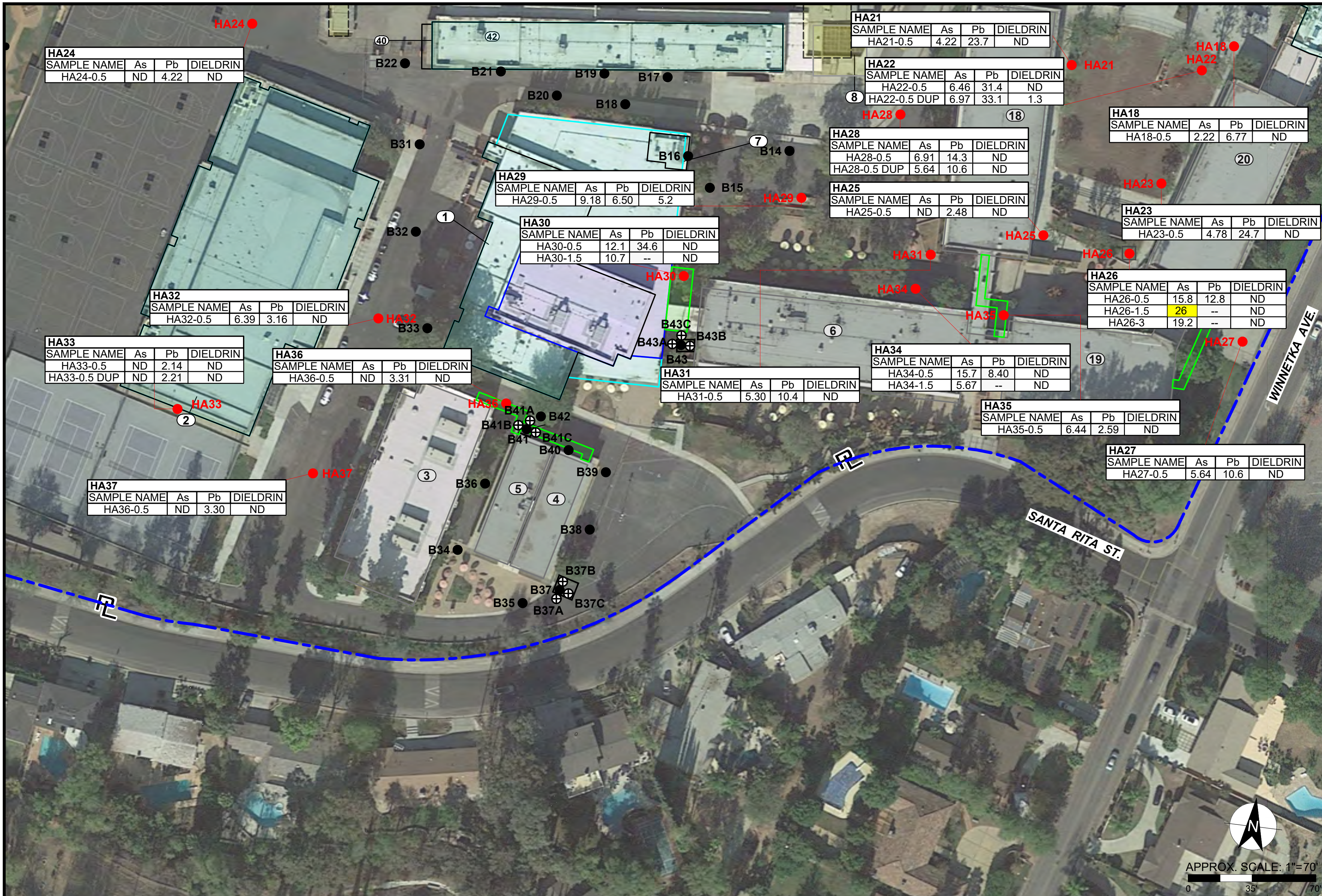
5461 WINNETKA AVE.
WOODLAND HILLS, CA 91364

efi global

PN:045.00349
DT: 11/1/2019
DB:JE
CB:DS

FIGURE 3

K:\AE 2018\Projects 2018\98360 Projects 2018\9836003557_045.00349_5461 Winnetka Ave Woodland Hills CA 91364\05 9836003557_Reports\2019-07 SSI\CAD\045.00349_SitePlan



HA24			
SAMPLE NAME	As	Pb	DIELDRIN
HA24-0.5	ND	4.22	ND

HA21			
SAMPLE NAME	As	Pb	DIELDRIN
HA21-0.5	4.22	23.7	ND

HA22			
SAMPLE NAME	As	Pb	DIELDRIN
HA22-0.5	6.46	31.4	ND
HA22-0.5 DUP	6.97	33.1	1.3

HA18			
SAMPLE NAME	As	Pb	DIELDRIN
HA18-0.5	2.22	6.77	ND

HA28			
SAMPLE NAME	As	Pb	DIELDRIN
HA28-0.5	6.91	14.3	ND
HA28-0.5 DUP	5.64	10.6	ND

HA29			
SAMPLE NAME	As	Pb	DIELDRIN
HA29-0.5	9.18	6.50	5.2

HA25			
SAMPLE NAME	As	Pb	DIELDRIN
HA25-0.5	ND	2.48	ND

HA23			
SAMPLE NAME	As	Pb	DIELDRIN
HA23-0.5	4.78	24.7	ND

HA30			
SAMPLE NAME	As	Pb	DIELDRIN
HA30-0.5	12.1	34.6	ND
HA30-1.5	10.7	--	ND

HA26			
SAMPLE NAME	As	Pb	DIELDRIN
HA26-0.5	15.8	12.8	ND
HA26-1.5	26	--	ND
HA26-3	19.2	--	ND

HA32			
SAMPLE NAME	As	Pb	DIELDRIN
HA32-0.5	6.39	3.16	ND

HA33			
SAMPLE NAME	As	Pb	DIELDRIN
HA33-0.5	ND	2.14	ND
HA33-0.5 DUP	ND	2.21	ND

HA36			
SAMPLE NAME	As	Pb	DIELDRIN
HA36-0.5	ND	3.31	ND

HA34			
SAMPLE NAME	As	Pb	DIELDRIN
HA34-0.5	15.7	8.40	ND
HA34-1.5	5.67	--	ND

HA31			
SAMPLE NAME	As	Pb	DIELDRIN
HA31-0.5	5.30	10.4	ND

HA35			
SAMPLE NAME	As	Pb	DIELDRIN
HA35-0.5	6.44	2.59	ND

HA27			
SAMPLE NAME	As	Pb	DIELDRIN
HA27-0.5	5.64	10.6	ND

HA37			
SAMPLE NAME	As	Pb	DIELDRIN
HA36-0.5	ND	3.30	ND

PROPERTY LINE
CAFM BUILDING NUMBER
CAFM BUILDING NUMBER (DEMO)
FULL/ MAJOR MODERNIZATION
LIGHT MODERNIZATION
MINOR SCOPE
NEW TRACK & FIELD
DEMOLITION
BARRIER REMOVAL
CONCENTRATIONS HIGHLIGHTED IN YELLOW EXCEED SSALs
PROPOSED EXCAVATION AREA (PEA-E)
PROPOSED EXCAVATION AREA (SSI)
SOIL SAMPLING LOCATION (SSI)
FORMER SOIL SAMPLING LOCATION (PEA-E)
FORMER STEP-OUT SAMPLING LOCATION (PEA-E)

SITE PLAN WITH ARSENIC, LEAD & DIELDRIN CONCENTRATIONS

5461 WINNETKA AVE.
WOODLAND HILLS, CA 91364

efi global

PN:045.00349
DT: 11/4/2019
DB:JE CB:DS
FIGURE 4

K:\AE 2018\Projects 2018\98360 Projects 2018\9836003557_045.00349_5461 Winnetka Ave Woodland Hills CA 91364\05 9836003557_Reports\2019-07 SSI\CAD\045.00349_SitePlan

HA6			
SAMPLE NAME	As	Pb	DIELDRIN
HA6-0.5	3.47	1.52	ND
HA6-0.5 DUP	4.16	2.10	ND

HA20			
SAMPLE NAME	As	Pb	DIELDRIN
HA20-0.5	2.39	ND	ND

HA13			
SAMPLE NAME	As	Pb	DIELDRIN
HA13-0.5	4.49	3.04	ND

HA15			
SAMPLE NAME	As	Pb	DIELDRIN
HA15-0.5	6.88	40.4	ND

HA16			
SAMPLE NAME	As	Pb	DIELDRIN
HA16-0.5	3.59	34.4	ND

HA24			
SAMPLE NAME	As	Pb	DIELDRIN
HA24-0.5	ND	4.22	ND

PROPERTY LINE
(#) CAFM BUILDING NUMBER
(#) CAFM BUILDING NUMBER (DEMO)
PROPOSED EXCAVATION AREA (PEA-E)
NEW BUILDING/ STRUCTURE
FULL/ MAJOR MODERNIZATION
LIGHT MODERNIZATION
MINOR SCOPE
NEW TRACK & FIELD
DEMOLITION
BARRIER REMOVAL
SOIL SAMPLING LOCATION (SSI)
FORMER SOIL SAMPLING LOCATION (PEA-E)
FORMER STEP-OUT SAMPLING LOCATION (PEA-E)
FORMER SOIL VAPOR SAMPLING LOCATION
3-STAGE CLARIFIER

AERIAL BASEMAP SOURCE: ESRI

SITE PLAN WITH ARSENIC, LEAD & DIELDRIN CONCENTRATIONS

5461 WINNETKA AVE.
WOODLAND HILLS, CA 91364

efi global

PN:045.00349
DT: 11/1/2019
DB:JE CB:DS

FIGURE
5

K:\AE 2018\Projects 2018\98360 Projects 2018\9836003557_045.00349_5461 Winnetka Ave Woodland Hills CA 91364\05 9836003557_Reports\2019-07 SSI\CAD\045.00349_SitePlan

TABLES

Table 1: Analytical Summary Table
William Howard Taft Charter High School
5461 Winnetka Avenue, Woodland Hills, California 91364

Sampling Location Name	Sample ID	Soil Sample Depths (ft bgs)	Sample Date	Soil Sample Analysis (EPA Method)									
											Lead		
				TPH-cc (8015M)	VOCs (8260B)	SVOCs	OCPs (8081A)	Title 22 Metals (6010B / 7471A)	Arsenic (6020)	Thallium (6020)	Total Lead (6010B)	Leachable Lead (DHS-WET / 6010B)	PCBs (8082)
B1	B1-0.5	0.5	7/10/2018				X	X	X				
	B1-1.5	1.5	7/10/2018										
	B1-3	3	7/10/2018										
B2	B2-0.5	0.5	7/10/2018				X	X	X			X	
	B2-0.5	0.5	10/9/2019							X			
	B2-1.5	1.5	7/10/2018					X	X				
	B2-3	3	7/10/2018										
B2A*	B2A-0.5	0.5	8/9/2018				X	X	X				
	B2A-1.5	1.5	8/9/2018										
	B2A-3	3	8/9/2018										
B2B*	B2B-0.5	0.5	8/9/2018				X	X	X				
	B2B-1.5	1.5	8/9/2018										
	B2B-3	3	8/9/2018										
B2C*	B2C-0.5	0.5	8/9/2018				X	X	X				
	B2C-1.5	1.5	8/9/2018										
	B2C-3	3	8/9/2018										
B3	B3-0.5	0.5	7/10/2018				X	X	X				
	B3-1.5	1.5	7/10/2018										
	B3-3	3	7/10/2018										
B4	B4-0.5	0.5	7/10/2018				X	X	X			X	
	B4-1.5	1.5	7/10/2018										
	B4-3	3	7/10/2018										
B5	B5-0.5	0.5	7/10/2018				X	X	X				X
	B5-0.5-DUP	0.5	7/10/2018				X	X	X				
	B5-0.5	0.5	10/9/2019							X			
	B5-1.5	1.5	7/10/2018				X						
	B5-3	3	7/10/2018				X						
B5A*	B5A-0.5	0.5	8/9/2018				X	X	X				
	B5A-0.5DUP	0.5	8/9/2018				X	X	X				
	B5A-1.5	1.5	8/9/2018										
	B5A-1.5 DUP	1.5	8/9/2018										
	B5A-3	3	8/9/2018										
	B5A-3 DUP	3	8/9/2018										
B5B*	B5B-0.5	0.5	8/9/2018				X	X	X				
	B5B-1.5	1.5	8/9/2018										
	B5B-3	3	8/9/2018										
B5C*	B5C-0.5	0.5	8/9/2018				X	X	X				
	B5C-1.5	1.5	8/9/2018										
	B5C-3	3	8/9/2018										
B6	B6-0.5	0.5	7/10/2018		X		X	X	X				
	B6-1.5	1.5	7/10/2018										
	B6-3	3	7/10/2018										
B7	B7-0.5	0.5	7/10/2018				X	X	X				
	B7-1.5	1.5	7/10/2018										
	B7-3	3	7/10/2018										
B8	B8-0.5	0.5	7/10/2018				X	X	X				
	B8-1.5	1.5	7/10/2018										
	B8-3	3	7/10/2018										
B9	B9-0.5	0.5	7/10/2018				X	X	X				X
	B9-0.5 DUP	0.5	7/10/2018				X	X	X				
	B9-0.5	0.5	10/9/2019							X			
	B9-1.5	1.5	7/10/2018					X	X				
	B9-3	3	7/10/2018					X	X				
B9A	B9A-0.5	0.5	7/9/2019						X				
	B9A-1.5	1.5	7/9/2019										
	B9C-3	3	7/9/2019										
B9B	B9B-0.5	0.5	7/9/2019						X				
	B9B-1.5	1.5	7/9/2019						X				
	B9B-3	3	7/9/2019						X				
B10	B10-0.5	0.5	7/10/2018				X	X	X				
	B10-0.5DUP	0.5	7/10/2018				X	X	X				
	B10-1.5	1.5	7/10/2018										
	B10-3	3	7/10/2018										
B11	B11-0.5	0.5	7/10/2018				X	X	X				
	B11-0.5	0.5	10/9/2019							X			
	B11-1.5	1.5	7/10/2018					X	X				
	B11-3	3	7/10/2018					X	X				
B11A*	B11A-0.5	0.5	8/9/2018				X	X	X				
	B11A-0.5DUP	0.5	8/9/2018				X	X	X				
	B11A-1.5	1.5	8/9/2018										
	B11A-3	3	8/9/2018										
B11B*	B11B-0.5	0.5	8/9/2018				X	X	X				
	B11B-1.5	1.5	8/9/2018										
	B11B-3	3	8/9/2018										

Table 1: Analytical Summary Table
William Howard Taft Charter High School
5461 Winnetka Avenue, Woodland Hills, California 91364

Sampling Location Name	Sample ID	Soil Sample Depths (ft bgs)	Sample Date	Soil Sample Analysis (EPA Method)							Lead		
				TPH-cc (8015M)	VOCs (8260B)	SVOCs	OCPs (8081A)	Title 22 Metals (6010B / 7471A)	Arsenic (6020)	Thallium (6020)	Total Lead (6010B)	Leachable Lead (DHS-WET / 6010B)	PCBs (8082)
B11C*	B11C-0.5	0.5	8/9/2018				X	X	X				
	B11C-1.5	1.5	8/9/2018										
	B11C-3	3	8/9/2018										
B12	B12-0.5	1.5	7/10/2018				X	X	X				
	B12-1.5	3	7/10/2018										
	B12-3	3	7/10/2018										
B13	B13-5	5	7/10/2018	X	X			X					
	B13-10	10	7/10/2018	X	X			X					
	B13-15	15	7/10/2018										
B14	B14-0.5	0.5	7/10/2018				X	X	X				
	B14-1.5	1.5	7/10/2018										
	B14-3	3	7/10/2018										
B15	B15-0.5	0.5	7/10/2018				X	X	X				
	B15-1.5	1.5	7/10/2018										
	B15-3	3	7/10/2018										
B16	B16-0.5	0.5	7/10/2018				X	X	X				
	B16-1.5	1.5	7/10/2018										
	B16-3	3	7/10/2018										
B17	B17-0.5	0.5	7/10/2018				X	X	X				
	B17-1.5	1.5	7/10/2018										
	B17-3	3	7/10/2018										
B18	B18-0.5	0.5	7/10/2018				X	X	X				
	B18-1.5	1.5	7/10/2018										
	B18-3	3	7/10/2018		X								
B19	B19-0.5	0.5	7/10/2018				X	X	X				
	B19-1.5	1.5	7/10/2018										
	B19-3	3	7/10/2018										
B20	B20-0.5	0.5	7/10/2018				X	X	X				
	B20-1.5	1.5	7/10/2018										
	B20-3	3	7/10/2018				X						
B21	B21-0.5	0.5	7/11/2018				X	X	X				X
	B21-0.5 DUP	0.5	7/11/2018					X	X				
	B21-1.5	1.5	7/11/2018										
	B21-3	3	7/11/2018										
B22	B22-0.5	0.5	7/11/2018				X	X	X				
	B22-0.5 DUP	0.5	7/11/2018				X	X	X				
	B22-1.5	1.5	7/11/2018										
	B22-3	3	7/11/2018										
B23	B23-0.5	0.5	7/11/2018				X	X	X				
	B23-0.5 DUP	0.5	7/11/2018				X	X	X				
	B23-1.5	1.5	7/11/2018										
	B23-3	3	7/11/2018										
B24	B24-0.5	0.5	7/11/2018				X	X	X				
	B24-0.5 DUP	0.5	7/11/2018				X	X	X				
	B24-1.5	1.5	7/11/2018					X	X				
	B24-3	3	7/11/2018										
B25	B25-0.5	0.5	7/11/2018				X	X	X				
	B25-0.5 DUP	0.5	7/11/2018				X	X	X				
	B25-1.5	1.5	7/11/2018										
	B25-3	3	7/11/2018										
B26	B26-0.5	0.5	7/11/2018				X	X	X				X
	B26-0.5 DUP	0.5	7/11/2018				X	X	X				
	B26-1.5	1.5	7/11/2018										
	B26-3	3	7/11/2018										
B27	B27-0.5	0.5	7/11/2018				X	X	X				
	B27-1.5	1.5	7/11/2018										
	B27-3	3	7/11/2018										
B28	B28-0.5	0.5	7/11/2018				X	X	X				
	B28-1.5	1.5	7/11/2018										
	B28-3	3	7/11/2018										
B29	B29-0.5	0.5	7/11/2018				X	X	X				
	B29-1.5	1.5	7/11/2018										
	B29-3	3	7/11/2018										
B30	B30-0.5	0.5	7/11/2018				X	X	X				
	B30-1.5	1.5	7/11/2018										
	B30-3	3	7/11/2018										
B31	B31-0.5	0.5	7/11/2018				X	X	X				
	B31-0.5 DUP	0.5	7/11/2018				X	X	X				
	B31-1.5	1.5	7/11/2018										
	B31-3	3	7/11/2018										
B32	B32-0.5	0.5	7/11/2018				X	X	X				X
	B32-1.5	1.5	7/11/2018										
	B32-3	3	7/11/2018										
B33	B33-0.5	0.5	7/11/2018				X	X	X				
	B33-1.5	1.5	7/11/2018										
	B33-3	3	7/11/2018										
B34	B34-0.5	0.5	7/11/2018				X	X	X				
	B34-0.5 DUP	0.5	7/11/2018										
	B34-1.5	1.5	7/11/2018					X	X				
	B34-3	3	7/11/2018										
B35	B35-0.5	0.5	7/11/2018				X	X	X				
	B35-0.5 DUP	0.5	7/11/2018				X	X	X				
	B35-1.5	1.5	7/11/2018										

Table 1: Analytical Summary Table
William Howard Taft Charter High School
5461 Winnetka Avenue, Woodland Hills, California 91364

Sampling Location Name	Sample ID	Soil Sample Depths (ft bgs)	Sample Date	Soil Sample Analysis (EPA Method)									
				TPH-cc (8015M)	VOCs (8260B)	SVOCs	OCPs (8081A)	Title 22 Metals (6010B / 7471A)	Arsenic (6020)	Thallium (6020)	Lead		PCBs (8082)
											Total Lead (6010B)	Leachable Lead (DHS-WET / 6010B)	
B35	B35-3	3	7/11/2018										
B36	B36-0.5	0.5	7/11/2018				X	X	X				
	B36-1.5	1.5	7/11/2018										
	B36-3	3	7/11/2018										
B37	B37-0.5	0.5	7/11/2018				X	X	X			X	
	B37-0.5 DUP	0.5	7/11/2018				X	X	X				
	B37-0.5	0.5	10/9/2019							X			
	B37-1.5	1.5	7/11/2018					X	X			X	
	B37-3	3	7/11/2018					X	X				
B37A*	B37A-0.5	0.5	8/9/2018				X	X	X				
	B37A-1.5	1.5	8/9/2018										
	B37A-3	3	8/9/2018										
B37B*	B37B-0.5	0.5	8/9/2018				X	X	X				
	B37B-1.5	1.5	8/9/2018										
	B37B-3	3	8/9/2018										
B37C*	B37C-0.5	0.5	8/9/2018				X	X	X			X	
	B37C-1.5	1.5	8/9/2018								X		
	B37C-3	3	8/9/2018								X		
B38	B38-0.5	0.5	7/11/2018				X	X	X				X
	B38-1.5	1.5	7/11/2018										
	B38-3	3	7/11/2018										
B39	B39-0.5	0.5	7/11/2018				X	X	X				
	B39-0.5 DUP	0.5	7/11/2018				X	X	X				
	B39-1.5	1.5	7/11/2018										
	B39-3	3	7/11/2018										
B40	B40-0.5	0.5	7/11/2018				X	X	X				
	B40-1.5	1.5	7/11/2018				X	X	X				
	B40-3	3	7/11/2018										
B41	B41-0.5	0.5	7/11/2018				X	X	X				
	B41-0.5	0.5	10/9/2019							X			
	B41-1.5	1.5	7/11/2018				X	X	X				
	B41-3	3	7/11/2018										
B41A*	B41A-0.5	0.5	8/13/2018				X	X	X				
	B41A-0.5 DUP	0.5	8/13/2018				X	X	X				
	B41A-1.5	1.5	8/13/2018										
	B41A-1.5 DUP	1.5	8/13/2018										
	B41A-3	3	8/13/2018										
	B41A-3 DUP	3	8/13/2018										
B41B*	B41B-0.5	0.5	8/13/2018				X	X	X				
	B41B-1.5	1.5	8/13/2018										
	B41B-3	3	8/13/2018										
B41C*	B41C-0.5	0.5	8/13/2018				X	X	X				
	B41C-1.5	1.5	8/13/2018										
	B41C-3	3	8/13/2018										
B42	B42-0.5	0.5	7/11/2018				X	X	X				
	B42-1.5	1.5	7/11/2018										
	B42-3	3	7/11/2018										
B43	B43-0.5	0.5	7/11/2018				X	X	X			X	
	B43-0.5	0.5	10/9/2019							X			
	B43-1.5	1.5	7/11/2018					X	X				
	B43-3	3	7/11/2018					X	X				
B43A*	B43A-0.5	0.5	8/13/2018				X	X	X				
	B43A-1.5	1.5	8/13/2018										
	B43A-3	3	8/13/2018										
B43B*	B43B-0.5	0.5	8/13/2018				X	X	X				
	B43B-1.5	1.5	8/13/2018										
	B43B-3	3	8/13/2018										
B43C*	B43C-0.5	0.5	8/13/2018				X	X	X				
	B43C-1.5	1.5	8/13/2018										
	B43C-3	3	8/13/2018										
B44	B44-0.5	0.5	7/11/2018				X	X	X				
	B44-1.5	1.5	7/11/2018										
	B44-3	3	7/11/2018										
B45	B45-0.5	0.5	7/11/2018				X	X	X				
	B45-0.5 DUP	0.5	7/11/2018				X	X	X				
	B45-1.5	1.5	7/11/2018										
	B45-3	3	7/11/2018										
B46	B46-0.5	0.5	7/11/2018				X	X	X				
	B46-1.5	1.5	7/11/2018										
	B46-3	3	7/11/2018										
B47	B47-0.5	0.5	7/11/2018				X	X	X				
	B47-0.5 DUP	0.5	7/11/2018				X	X	X				
	B47-1.5	1.5	7/11/2018										
	B47-3	3	7/11/2018										
B48	B48-0.5	0.5	7/11/2018				X	X	X				
	B48-1.5	1.5	7/11/2018										
	B48-3	3	7/11/2018										
B49	B49-0.5	0.5	7/11/2018				X	X	X				
	B49-1.5	1.5	7/11/2018					X	X				
	B49-3	3	7/11/2018										
B49A*	B49A-0.5	0.5	8/9/2019				X	X	X				
	B49A-1.5	1.5	8/9/2019										
	B49A-3	3	8/9/2019										
B49B*	B49B-0.5	0.5	8/9/2019				X	X	X				

Table 1: Analytical Summary Table
William Howard Taft Charter High School
5461 Winnetka Avenue, Woodland Hills, California 91364

Sampling Location Name	Sample ID	Soil Sample Depths (ft bgs)	Sample Date	Soil Sample Analysis (EPA Method)							Lead		
				TPH-cc (8015M)	VOCs (8260B)	SVOCs	OCPs (8081A)	Title 22 Metals (6010B / 7471A)	Arsenic (6020)	Thallium (6020)	Total Lead (6010B)	Leachable Lead (DHS-WET / 6010B)	PCBs (8082)
B49B*	B49B-1.5	1.5	8/9/2019										
	B49B-3	3	8/9/2019										
B49C*	B49C-0.5	0.5	8/9/2019				X	X	X				
	B49C-1.5	1.5	8/9/2019										
	B49C-3	3	8/9/2019										
B50	B50-0.5	0.5	8/13/2018				X	X	X				X
	B50-1.5	1.5	8/13/2018										
	B50-3	3	8/13/2018										
B51	B51-0.5	0.5	8/13/2018				X	X	X				X
	B51-0.5 DUP	0.5	8/13/2018				X	X	X				
	B51-1.5	1.5	8/13/2018										
B51	B51-1.5 DUP	1.5	8/13/2018										
	B51-3	3	8/13/2018										
	B51-3 DUP	3	8/13/2018										
B52	B52-0.5	0.5	8/13/2018				X	X	X				
	B52-1.5	1.5	8/13/2018					X					
	B52-3	3	8/13/2018					X					
B52A*	B52A-0.5	0.5	11/21/2018				X		X		X		
	B52A-1.5	1.5	11/21/2018										
	B52A-3	3	11/21/2018										
B52B*	B52B-0.5	0.5	11/21/2018				X		X		X		
	B52B-1.5	1.5	11/21/2018										
	B52B-1.5 DUP	1.5	11/21/2018										
	B52B-3	3	11/21/2018										
B52C*	B52C-0.5	0.5	11/21/2018				X		X		X		
	B52C-1.5	1.5	11/21/2018						X				
	B52C-3	3	11/21/2018						X				
B53	B53-0.5	0.5	8/13/2018				X	X	X				
	B53-0.5	0.5	10/9/2019							X			
	B53-1.5	1.5	8/13/2018										
B54	B54-0.5	0.5	8/13/2018				X	X	X				
	B54-1.5	1.5	8/13/2018										
	B54-3	3	8/13/2018										
B55	B55-0.5	0.5	8/13/2018				X	X	X				X
	B55-1.5	1.5	8/13/2018										
	B55-3	3	8/13/2018										
B56	B56-0.5	0.5	8/13/2018				X	X	X				
	B56-0.5	0.5	10/9/2019							X			
	B56-1.5	1.5	8/13/2018										
	B56-3	3	8/13/2018										
B57	B57-0.5	0.5	8/13/2018				X	X	X				
	B57-1.5	1.5	8/13/2018										
	B57-3	3	8/13/2018										
B58	B58-0.5	0.5	8/13/2018				X	X	X				
	B58-1.5	1.5	8/13/2018										
	B58-3	3	8/13/2018										
B59	B59-0.5	0.5	8/13/2018				X	X	X				
	B59-1.5	1.5	8/13/2018										
	B59-3	3	8/13/2018										
B60	B60-0.5	0.5	8/13/2018				X	X	X				
	B60-0.5 DUP	0.5	8/13/2018				X	X	X				
	B60-0.5	0.5	10/9/2019							X			
	B60-1.5	1.5	8/13/2018										
	B60-1.5 DUP	1.5	8/13/2018										
	B60-3	3	8/13/2018										
B61	B61-0.5	0.5	8/13/2018				X	X	X			X	
	B61-0.5	0.5	10/9/2019							X			
	B61-1.5	1.5	8/13/2018					X	X				
	B61-3	3	8/13/2018					X					
B61A	B61A-0.5	0.5	11/20/2018				X		X		X	X	
	B61A-1.5	1.5	11/20/2018										
	B61A-3	3	11/20/2018										
B61B	B61B-0.5	0.5	11/20/2018				X		X		X	X	
	B61B-0.5 DUP	0.5	11/20/2018				X		X		X		
	B61B-1.5	1.5	11/20/2018										
	B61B-3	3	11/20/2018										
B61C	B61C-0.5	0.5	11/20/2018				X		X		X	X	
	B61C-1.5	1.5	11/20/2018										
	B61C-3	3	11/20/2018										
B62	B62-0.5	0.5	8/13/2018				X	X	X				
B63	B63-0.5	0.5	8/13/2018				X	X	X				
	B63-1.5	1.5	8/13/2018										
B64	B64-0.5	0.5	8/13/2018				X	X	X				
	B64-1.5	1.5	8/13/2018										
	B64-3	3	8/13/2018										
B65	B65-0.5	0.5	8/13/2018				X	X	X			X	
	B65-1.5	1.5	8/13/2018										
	B65-3	3	8/13/2018										
B66	B66-0.5	0.5	8/13/2018				X	X	X				
	B66-1.5	1.5	8/13/2018										
	B66-3	3	8/13/2018										
B67	B67-0.5	0.5	8/13/2018				X	X	X				
	B67-1.5	1.5	8/13/2018										
	B67-3	3	8/13/2018										

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				TPH-cc (8015M)	VOCs (8260B)	SVOCs	OCPs (8081A)	Title 22 Metals (6010B / 7471A)	Arsenic (6020)	Thallium (6020)	Lead: Total Lead (6010B)	Lead: Leachable Lead (DHS-WET / 6010B)	PCBs (8082)
B68	B68-0.5	0.5	11/19/2018				X		X		X		
	B68-2	2	11/19/2018										
B69	B69-0.5	0.5	11/19/2018				X		X		X		
	B69-2	2	11/19/2018										
B70	B70-0.5	0.5	11/20/2018				X		X		X		
	B70-2	2	11/20/2018										
B71	B71-0.5	0.5	11/20/2018				X		X		X		
	B71-2	2	11/20/2018										
B72	B72-0.5	0.5	11/20/2018				X		X		X		
	B72-2	2	11/20/2018										
B73	B73-0.5	0.5	11/19/2018				X		X		X		
	B73-0.5 DUP	0.5	11/19/2018				X		X		X		
	B73-2	2	11/19/2018										
B74	B74-0.5	0.5	11/19/2018				X		X		X		
	B74-2	2	11/19/2018										
B75	B75-0.5	0.5	11/19/2018				X		X		X		
	B75-2	2	11/19/2018										
B76	B76-0.5	0.5	11/20/2018				X		X		X		
	B76-2	2	11/20/2018										
B77	B77-0.5	0.5	11/20/2018				X		X		X		
	B77-2	2	11/20/2018										
	B77-2 DUP	2	11/20/2018										
B78	B78-0.5	0.5	11/19/2018				X		X		X		
	B78-2	2	11/19/2018										
B79	B79-0.5	0.5	11/19/2018				X		X		X		
	B79-2	2	11/19/2018										
B80	B80-0.5	0.5	11/19/2018				X		X		X		
	B80-0.5 DUP	0.5	11/19/2018				X		X		X		
	B80-2	2	11/19/2018										
B81	B81-0.5	0.5	11/20/2018				X		X		X		
	B81-2	2	11/20/2018										
B82	B82-0.5	0.5	11/20/2018				X		X		X		
	B82-2	2	11/20/2018										
B83	B83-0.5	0.5	11/19/2018				X		X		X		
	B83-1.5	1.5	11/19/2018										
	B83-1.5 DUP	1.5	11/19/2018										
	B83-3	3	11/19/2018										
B84	B84-0.5	0.5	11/19/2018				X		X		X		
	B84-1.5	1.5	11/19/2018										
	B84-3	3	11/19/2018										
B85	B85-0.5	0.5	11/19/2018				X		X		X		
	B85-1.5	1.5	11/19/2018										
	B85-3	3	11/19/2018										
B86	B86-0.5	0.5	11/19/2018				X		X		X		
	B86-0.5 DUP	0.5	11/19/2018				X		X		X		
	B86-1.5	1.5	11/19/2018										
	B86-3	3	11/19/2018										
B87	B87-0.5	0.5	11/19/2018				X		X		X		
	B87-1.5	1.5	11/19/2018										
	B87-3	3	11/19/2018										
B88	B88-0.5	0.5	11/19/2018				X		X		X		
	B88-1.5	1.5	11/19/2018										
	B88-3	3	11/19/2018										
B89	B89-0.5	0.5	11/19/2018				X		X		X		
	B89-1.5	1.5	11/19/2018										
	B89-3	3	11/19/2018										
B90	B90-0.5	0.5	11/19/2018				X		X		X		
	B90-1.5	1.5	11/19/2018										
	B90-3	3	11/19/2018										
B91	B91-0.5	0.5	11/19/2018				X		X		X		
	B91-1.5	1.5	11/19/2018										
	B91-3	3	11/19/2018										
B92	B92-0.5	0.5	11/19/2018				X		X		X		
	B92-1.5	1.5	11/19/2018										
	B92-3	3	11/19/2018										
B93	B93-0.5	0.5	11/19/2018				X		X		X		
	B93-1.5	1.5	11/19/2018										
	B93-3	3	11/19/2018										
B94	B94-0.5	0.5	11/19/2018				X		X		X		
	B94-1.5	1.5	11/19/2018										
	B94-3	3	11/19/2018										
B95	B95-0.5	0.5	11/21/2018	X	X		X		X		X		
	B95-1.5	1.5	11/21/2018										
	B95-3	3	11/21/2018										
	B95-6	6	11/21/2018										
B96	B96-0.5	0.5	11/21/2018	X	X		X		X		X		
	B96-1.5	1.5	11/21/2018										
	B96-3	3	11/21/2018										
	B96-6	6	11/21/2018										
HA1	HA1-0.5	0.5	7/9/2019	X	X	X	X		X		X		
	HA1-1.5	1.5	7/9/2019						X				
	HA1-3	3	7/9/2019										
HA2	HA2-0.5	0.5	7/8/2019	X	X	X	X		X		X		
	HA2-1.5	1.5	7/8/2019										

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				TPH-cc (8015M)	VOCs (8260B)	SVOCs	OCPs (8081A)	Title 22 Metals (6010B / 7471A)	Arsenic (6020)	Thallium (6020)	Lead		PCBs (8082)
											Total Lead (6010B)	Leachable Lead (DHS-WET / 6010B)	
HA2	HA2-3	3	7/8/2019										
HA3	HA3-0.5	0.5	7/8/2019	X	X	X	X		X		X		
	HA3-1.5	1.5	7/8/2019										
	HA3-3	3	7/8/2019										
HA4	HA4-0.5	0.5	7/8/2019	X	X	X	X		X		X		
	HA4-1.5	1.5	7/8/2019										
	HA4-3	3	7/8/2019										
HA5	HA5-0.5	0.5	7/8/2019	X	X	X	X		X		X		
	HA5-1.5	1.5	7/8/2019										
HA6	HA6-0.5	0.5	7/9/2019	X	X	X	X		X		X		
	HA6-0.5 DUP	0.5	7/9/2019	X	X	X	X		X		X		
	HA6-1.5	1.5	7/9/2019										
	HA6-3	3	7/9/2019										
HA7	HA7-0.5	0.5	7/8/2019	X	X	X	X		X		X		
	HA7-1.5	1.5	7/8/2019										
	HA7-3	3	7/8/2019										
HA8	HA8-0.5	0.5	7/8/2019	X	X	X	X		X		X		X
	HA8-1.5	1.5	7/8/2019										
	HA8-3	3	7/8/2019										
HA9	HA9-0.5	0.5	7/8/2019	X	X	X	X		X		X		
	HA9-1.5	1.5	7/8/2019										
	HA9-3	3	7/8/2019										
HA10	HA10-0.5	0.5	7/8/2019	X	X	X	X		X		X		
	HA10-1.5	1.5	7/8/2019										
	HA10-3	3	7/8/2019										
HA11	HA11-0.5	0.5	7/8/2019	X	X	X	X		X		X		
	HA11-1.5	1.5	7/8/2019										
	HA11-3	3	7/8/2019										
HA12	HA12-0.5	0.5	7/8/2019	X	X	X	X		X		X		
	HA12-1.5	1.5	7/8/2019										
	HA12-3	3	7/8/2019										
HA13	HA13-0.5	0.5	7/8/2019	X	X	X	X		X		X		
	HA13-1.5	1.5	7/8/2019										
	HA13-3	3	7/8/2019										
HA14	HA14-0.5	0.5	7/8/2019	X	X	X	X		X		X		
	HA14-1.5	1.5	7/8/2019										
	HA14-3	3	7/8/2019										
HA15	HA15-0.5	0.5	7/9/2019	X	X	X	X		X		X		
	HA15-1.5	1.5	7/9/2019										
	HA15-3	3	7/9/2019										
HA16	HA16-0.5	0.5	7/9/2019	X	X	X	X		X		X		
	HA16-1.5	1.5	7/9/2019										
	HA16-3	3	7/9/2019										
HA17	HA17-0.5	0.5	7/9/2019	X	X	X	X		X		X		
	HA17-1.5	1.5	7/9/2019										
	HA17-3	3	7/9/2019										
HA18	HA18-0.5	0.5	7/9/2019	X	X	X	X		X		X		
	HA18-1.5	1.5	7/9/2019										
	HA18-3	3	7/9/2019										
HA19	HA19-0.5	0.5	7/9/2019	X	X	X	X		X		X		
	HA19-1.5	1.5	7/9/2019										
	HA19-3	3	7/9/2019										
HA20	HA20-0.5	0.5	7/9/2019	X	X	X	X		X		X		
	HA20-1.5	1.5	7/9/2019										
	HA20-3	3	7/9/2019										
HA21	HA21-0.5	0.5	7/9/2019	X	X	X	X		X		X		
	HA21-1.5	1.5	7/9/2019										
	HA21-3	3	7/9/2019										
HA22	HA22-0.5	0.5	7/9/2019	X	X	X	X		X		X		
	HA22-0.5 DUP	0.5	7/9/2019	X	X	X	X		X		X		
	HA22-1.5	1.5	7/9/2019										
	HA22-3	3	7/9/2019										
HA23	HA23-0.5	0.5	7/9/2019	X	X	X	X		X		X		
	HA23-1.5	1.5	7/9/2019										
	HA23-3	3	7/9/2019										
HA24	HA24-0.5	0.5	7/10/2019	X	X	X	X		X		X		X
	HA24-1.5	1.5	7/10/2019										
	HA24-3	3	7/10/2019										
HA25	HA25-0.5	0.5	7/10/2019	X	X	X	X		X		X		
	HA25-1.5	1.5	7/10/2019										
	HA25-3	3	7/10/2019										
HA26	HA26-0.5	0.5	7/10/2019	X	X	X	X		X	X	X		
	HA26-1.5	1.5	7/10/2019						X				
	HA26-3	3	7/10/2019						X				
HA27	HA27-0.5	0.5	7/9/2019	X	X	X	X		X		X		
	HA27-1.5	1.5	7/9/2019										
	HA27-3	3	7/9/2019										
HA28	HA28-0.5	0.5	7/10/2019	X	X	X	X		X		X		
	HA28-0.5 DUP	0.5	7/10/2019	X	X	X	X		X		X		
	HA28-1.5	1.5	7/10/2019										
	HA28-3	3	7/10/2019										
HA29	HA29-0.5	0.5	7/10/2019	X	X	X	X		X		X		
	HA29-1.5	1.5	7/10/2019										
	HA29-3	3	7/10/2019										

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				TPH-cc (8015M)	VOCs (8260B)	SVOCs	OCPs (8081A)	Title 22 Metals (6010B / 7471A)	Arsenic (6020)	Thallium (6020)	Lead: Total Lead (6010B)	Lead: Leachable Lead (DHS-WET / 6010B)	PCBs (8082)
HA30	HA30-0.5	0.5	7/10/2019	X	X	X	X		X	X	X		
	HA30-1.5	1.5	7/10/2019						X				
	HA30-3	3	7/10/2019										
HA31	HA31-0.5	0.5	7/10/2019	X	X	X	X		X		X		
	HA31-1.5	1.5	7/10/2019										
	HA31-3	3	7/10/2019										
HA32	HA32-0.5	0.5	7/10/2019	X	X	X	X		X		X		
	HA32-1.5	1.5	7/10/2019										
	HA32-3	3	7/10/2019										
HA33	HA33-0.5	0.5	7/10/2019	X	X	X	X		X		X		
	HA33-0.5 DUP	0.5	7/10/2019	X	X	X	X		X		X		
	HA33-1.5	1.5	7/10/2019										
	HA33-3	3	7/10/2019										
HA34	HA34-0.5	0.5	7/10/2019	X	X	X	X		X	X	X		
	HA34-1.5	1.5	7/10/2019						X				
	HA34-3	3	7/10/2019										
HA35	HA35-0.5	0.5	7/10/2019	X	X	X	X		X		X		X
	HA35-1.5	1.5	7/10/2019										
	HA35-3	3	7/10/2019										
HA36	HA36-0.5	0.5	7/10/2019	X	X	X	X		X		X		X
	HA36-1.5	1.5	7/10/2019										
	HA36-3	3	7/10/2019										
HA37	HA37-0.5	0.5	7/10/2019	X	X	X	X		X		X		
	HA37-1.5	1.5	7/10/2019										
	HA37-3	3	7/10/2019										

Notes:
ft bgs = feet below ground surface
EPA = United States Environmental Protection Agency
TPHcc = Total Petroleum Hydrocarbons - carbon chain
VOCs = Volatile Organic Compounds
OCPs = Organochlorine Pesticides
DHS WET = California Department of Health Services Wet Extraction
PCBs = Polychlorinated Biphenyls
X = Sample Analyzed for indicated compound
DUP = Duplicate Sample
* = Step-out Sample

Samples highlighted in red were advanced as part of EFI Global's PEA-E (dated March 22, 2019)
Samples highlighted in green were advanced as part of this SSI

Table 2: Organochlorine Pesticides in Soil
William Howard Taft Charter High School
5461 Winnetka Avenue, Woodland Hills, California 91364

Sample ID	Sample Date	Sample Depth Interval (ft bgs)	Note	EPA Method 8081A (µg/kg)					
				Chlordane	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	All Other 8081A OCP Analytes
SSALs[1]				1,700	1,900	2,000	1,900	34	Varies
B1-0.5	07/10/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B2-0.5	07/10/18	0-0.5	--	ND<49	ND<4.9	41	27	ND<4.9	ND
B2A-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	13	21	ND<5.0	ND
B2B-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B2C-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B3-0.5	07/10/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B4-0.5	07/10/18	0-0.5	--	160	ND<5.0	28	28	ND<5.0	ND
B5-0.5	07/10/18	0-0.5	--	76	ND<4.9	7.9	5.3	**74**	ND
B5-0.5 DUP	07/10/18	0-0.5	--	61	ND<5.0	7.5	8.1	**67**	ND
B5-1.5	07/10/18	1-1.5	H	ND<50	ND<5.0	ND<5.0	5.7	**59**	ND
B5-3	07/10/18	2.5-3	H	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B5A-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	5.8	ND<5.0	20	ND
B5A-0.5 DUP	08/09/18	0-0.5	--	ND<50	ND<5.0	4.9	ND<5.0	19	ND
B5B-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	9.8	ND<5.0	17	ND
B5C-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	13	ND
B6-0.5	07/10/18	0-0.5	--	65	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B7-0.5	07/10/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B8-0.5	07/10/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B9-0.5	07/10/18	0-0.5	--	ND<50	ND<5.0	9.0	10	ND<5.0	ND
B9-0.5 DUP	07/10/18	0-0.5	--	ND<50	ND<5.0	7.4	7.9	ND<5.0	ND
B10-0.5	07/10/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B10-0.5 DUP	07/10/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B11-0.5	07/10/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B11A-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B11A-0.5 DUP	08/09/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B11B-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	49	ND<5.0	ND<5.0	ND
B11C-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B12-0.5	07/10/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B14-0.5	07/10/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B15-0.5	07/10/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B16-0.5	07/10/18	0-0.5	--	74	ND<5.0	500	32	15	ND
B17-0.5	07/10/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B18-0.5	07/10/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B19-0.5	07/10/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B20-0.5	07/10/18	0-0.5	--	360	ND<4.9	7.8	12	ND<5.0	ND
B21-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B21-0.5 DUP	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B22-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B22-0.5 DUP	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B23-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B23-0.5 DUP	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B24-0.5	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B24-0.5 DUP	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B25-0.5	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B25-0.5 DUP	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B26-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B26-0.5 DUP	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B27-0.5	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B28-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B29-0.5	07/11/18	0-0.5	--	ND<49	ND<4.9	14	ND<4.9	ND<4.9	ND
B30-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B31-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B31-0.5 DUP	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B32-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B33-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B34-0.5	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B35-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B35-0.5 DUP	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B36-0.5	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND

Table 2: Organochlorine Pesticides in Soil
William Howard Taft Charter High School
5461 Winnetka Avenue, Woodland Hills, California 91364

Sample ID	Sample Date	Sample Depth Interval (ft bgs)	Note	EPA Method 8081A (μg/kg)					
				Chlordane	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	All Other 8081A OCP Analytes
SSALs[1]				**1,700**	**1,900**	**2,000**	**1,900**	**34**	**Varies**
B37-0.5	07/11/18	0-0.5	--	61	ND<4.9	31	9.5	ND<4.9	ND
B37-0.5 DUP	07/11/18	0-0.5	--	51	ND<4.9	30	12	ND<5.0	ND
B37A-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B37B-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B37C-0.5	08/09/18	0-0.5	--	160	12	310	17	ND<5.0	ND
B38-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B39-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	14	ND<5.0	ND
B39-0.5 DUP	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B40-0.5	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B40-1.5	07/11/18	1-1.5	--	ND<50	12	12	18	ND<5.0	ND
B41-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	140	8.3	8.7	ND
B41-1.5	07/11/18	1-1.5	--	ND<50	ND<5.0	8.0	ND<5.0	ND<5.0	ND
B41A-0.5	08/13/18	0-0.5	--	ND<50	ND<5	ND<5	ND<5	ND<5	ND
B41A-0.5 DUP	08/13/18	0-0.5	--	ND<50	ND<5	ND<5	5.7	ND<5	ND
B41B-0.5	08/13/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B41C-0.5	08/13/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B42-0.5	07/11/18	0-0.5	--	81	14	14	26	ND<5.0	ND
B43-0.5	07/11/18	0-0.5	--	180	ND<5.0	16	8.6	ND<5.0	ND
B43A-0.5	08/13/18	0-0.5	--	110	ND<5	14	10	ND<5	ND
B43B-0.5	08/13/18	0-0.5	--	ND<50	ND<5	16	31	ND<5	ND
B43C-0.5	08/13/18	0-0.5	--	50	ND<4.9	11	14	12	ND
B44-0.5	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B45-0.5	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B45-0.5 DUP	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B46-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B47-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B47-0.5 DUP	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B48-0.5	07/11/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B49-0.5	07/11/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B49A-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B49B-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B49C-0.5	08/09/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B50-0.5	08/13/18	0-0.5	--	160	ND<5	19	13	ND<5	ND
B51-0.5	08/13/18	0-0.5	--	ND<50	ND<5	7.0	5.6	ND<5	ND
B51-0.5 DUP	08/13/18	0-0.5	--	ND<50	ND<5	11	6.9	ND<5	ND
B52-0.5	08/13/18	0-0.5	--	130	ND<5	33	ND<5	ND<5	ND
B52A-0.5	11/21/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B52B-0.5	11/21/18	0-0.5	--	75	ND<4.9	20	ND<4.9	ND<4.9	ND
B52C-0.5	11/21/18	0-0.5	--	64	ND<5	12	ND<5	ND<5	ND
B53-0.5	08/13/18	0-0.5	--	81	ND<5	ND<5	ND<5	ND<5	ND
B54-0.5	08/13/18	0-0.5	--	ND<49	ND<4.9	19	5.3	ND<4.9	ND
B55-0.5	08/13/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B56-0.5	08/13/18	0-0.5	--	ND<50	ND<5	8.1	ND<5	ND<5	ND
B57-0.5	08/13/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B58-0.5	08/13/18	0-0.5	--	240	ND<5	29	8.8	ND<5	ND
B59-0.5	08/13/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B60-0.5	08/13/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B60-0.5 DUP	08/13/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B61-0.5	08/13/18	0-0.5	--	710	ND<4.9	560	590	9.3	ND
B61A-0.5	11/20/18	0-0.5	--	390	ND<5.0	91	89	7.6	ND
B61B-0.5	11/20/18	0-0.5	--	ND<49	ND<4.9	12	10	ND<4.9	ND
B61B-0.5 DUP	11/20/18	0-0.5	--	65	ND<5.0	19	35	ND<5.0	ND
B61C-0.5	11/20/18	0-0.5	--	200	15	46	57	ND<5.0	ND
B62-0.5	08/13/18	0-0.5	--	ND<50	5.1	97	35	6.6	ND
B63-0.5	08/13/18	0-0.5	--	69	ND<5.0	460	410	ND<5.0	ND
B64-0.5	08/13/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B65-0.5	08/13/18	0-0.5	--	ND<49	12	79	14	ND<4.9	ND
B66-0.5	08/13/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B67-0.5	08/13/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND

Table 2: Organochlorine Pesticides in Soil
William Howard Taft Charter High School
5461 Winnetka Avenue, Woodland Hills, California 91364

Sample ID	Sample Date	Sample Depth Interval (ft bgs)	Note	EPA Method 8081A (µg/kg)					
				Chlordane	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	All Other 8081A OCP Analytes
SSALs[1]				1,700	1,900	2,000	1,900	34	Varies
B68-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B69-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B70-0.5	11/20/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B71-0.5	11/20/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B72-0.5	11/20/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B73-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B73-0.5 DUP	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B74-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B75-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B76-0.5	11/20/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B77-0.5	11/20/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B78-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B79-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	7.0	ND<5.0	ND<5.0	ND
B80-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B80-0.5 DUP	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B81-0.5	11/20/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B82-0.5	11/20/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B83-0.5	11/19/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B84-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B85-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B86-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B86-0.5 DUP	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B87-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B88-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B89-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B90-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B91-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B92-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B93-0.5	11/19/18	0-0.5	--	ND<49	ND<4.9	ND<4.9	ND<4.9	ND<4.9	ND
B94-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND
B95-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	7.9	ND<5.0	ND<5.0	ND
B96-0.5	11/19/18	0-0.5	--	ND<50	ND<5.0	ND<5	ND<5.0	ND<5.0	ND
HA1-0.5	07/09/19	0-0.5	--	ND<25	ND<5.0	ND<5.0	ND<5.0	ND<0.99	ND
HA2-0.5	07/08/19	0-0.5	--	ND<25	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND
HA3-0.5	07/08/19	0-0.5	--	ND<25	ND<4.9	ND<4.9	ND<4.9	ND<0.98	ND
HA4-0.5	07/08/19	0-0.5	--	ND<25	ND<4.9	ND<4.9	ND<4.9	ND<0.99	ND
HA5-0.5	07/08/19	0-0.5	--	ND<25	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND
HA6-0.5	07/09/19	0-0.5	--	ND<25	ND<4.9	ND<4.9	ND<4.9	ND<0.99	ND
HA6-0.5 DUP	07/09/19	0-0.5	--	ND<25	ND<5.0	ND<5.0	ND<5.0	ND<0.99	ND
HA7-0.5	07/08/19	0-0.5	--	ND<25	ND<5.0	ND<5.0	ND<5.0	ND<0.99	ND
HA8-0.5	07/08/19	0-0.5	--	ND<25	ND<4.9	ND<4.9	ND<4.9	ND<0.99	ND
HA9-0.5	07/08/19	0-0.5	--	ND<25	ND<4.9	ND<4.9	ND<4.9	ND<0.98	ND
HA10-0.5	07/08/19	0-0.5	--	ND<25	ND<5.0	ND<5.0	ND<5.0	ND<0.99	ND
HA11-0.5	07/08/19	0-0.5	--	ND<25	ND<4.9	ND<4.9	ND<4.9	ND<0.98	ND
HA12-0.5	07/08/19	0-0.5	--	ND<25	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND
HA13-0.5	07/08/19	0-0.5	--	ND<25	ND<4.9	ND<4.9	ND<4.9	ND<0.99	ND
HA14-0.5	07/08/19	0-0.5	--	ND<25	ND<4.9	ND<4.9	ND<4.9	ND<0.99	ND
HA15-0.5	07/09/19	0-0.5	--	ND<25	ND<5.0	ND<5.0	ND<5.0	ND<0.99	ND
HA16-0.5	07/09/19	0-0.5	--	ND<25	ND<4.9	**13**	ND<4.9	ND<0.99	ND
HA17-0.5	07/09/19	0-0.5	--	ND<25	ND<4.9	ND<4.9	ND<4.9	ND<0.98	ND
HA18-0.5	07/09/19	0-0.5	--	ND<25	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND
HA19-0.5	07/09/19	0-0.5	--	ND<24	ND<4.9	ND<4.9	ND<4.9	ND<0.98	ND
HA20-0.5	07/09/19	0-0.5	--	ND<25	ND<4.9	ND<4.9	ND<4.9	ND<0.98	ND
HA21-0.5	07/09/19	0-0.5	--	ND<25	ND<4.9	ND<4.9	ND<4.9	ND<0.99	ND
HA22-0.5	07/09/19	0-0.5	--	ND<25	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND
HA22-0.5 DUP	07/09/19	0-0.5	--	ND<25	ND<4.9	ND<4.9	ND<4.9	ND<0.98	ND
HA23-0.5	07/09/19	0-0.5	--	ND<25	ND<5.0	ND<5.0	ND<5.0	**1.3**	ND
HA24-0.5	07/10/19	0-0.5	--	ND<25	ND<5.0	ND<5.0	ND<5.0	ND<0.99	ND
HA25-0.5	07/10/19	0-0.5	--	ND<25	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND

Table 2: Organochlorine Pesticides in Soil
William Howard Taft Charter High School
5461 Winnetka Avenue, Woodland Hills, California 91364

Sample ID	Sample Date	Sample Depth Interval (ft bgs)	Note	EPA Method 8081A (µg/kg)					
				Chlordane	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	All Other 8081A OCP Analytes
SSALs[1]				**1,700**	**1,900**	**2,000**	**1,900**	**34**	**Varies**
HA26-0.5	07/10/19	0-0.5	--	ND<25	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND
HA27-0.5	07/09/19	0-0.5	--	ND<25	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND
HA28-0.5	07/10/19	0-0.5	--	ND<25	ND<5.0	ND<5.0	ND<5.0	ND<0.99	ND
HA28-0.5 DUP	07/10/19	0-0.5	--	ND<25	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND
HA29-0.5	07/10/19	0-0.5	--	ND<25	ND<5.0	ND<5.0	ND<5.0	ND<0.99	ND
HA30-0.5	07/10/19	0-0.5	--	**33**	ND<5.0	**6.6**	ND<5.0	**5.1**	ND
HA31-0.5	07/10/19	0-0.5	--	ND<25	ND<5.0	ND<5.0	ND<5.0	**3.5**	ND
HA32-0.5	07/10/19	0-0.5	--	ND<25	ND<4.9	ND<4.9	ND<4.9	ND<0.99	ND
HA33-0.5	07/10/19	0-0.5	--	ND<25	ND<4.9	ND<4.9	ND<4.9	ND<0.99	ND
HA33-0.5 DUP	07/10/19	0-0.5	--	ND<25	ND<5.0	ND<5.0	ND<5.0	ND<0.99	ND
HA34-0.5	07/10/19	0-0.5	--	ND<25	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND
HA35-0.5	07/10/19	0-0.5	--	ND<25	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND
HA36-0.5	07/10/19	0-0.5	--	ND<25	ND<5.0	ND<5.0	ND<5.0	ND<0.99	ND
HA37-0.5	07/10/19	0-0.5	--	ND<25	ND<5.0	ND<5.0	ND<5.0	ND<1.0	ND
SSALs[1]				**1,700**	**1,900**	**2,000**	**1,900**	**34**	**Varies**

Notes:
ft bgs = feet below ground surface
EPA = United States Environmental Protection Agency
µg/kg = micrograms per kilgram
DDE = Dichlorodiphenyldichloroethylene
DDD = Dichlorodiphenyldichloroethane
DDT = Dichlorodiphenyltrichloroethane
OCP = Organchlorine Pesticides
SSALs = Site-Specific Action Levels
ND = Not Detected at or above the detection limit
-- = Not applicable
H = Sample extracted outside of laboratory hold time
DUP = Duplicate Sample

Borings highlighted in red were advanced as part of EFI Global's PEA-E (dated March 22, 2019)
Borings highlighted in green were advanced as part of this SSI

Concentrations that exceed SSALs show in **bold** and shaded in orange
¹ SSALs are based on the EPA's *Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1) November 2018.*

Table 3: Polychlorinated Biphenyls in Soil
William Howard Taft Charter High School
5461 Winnetka Avenue, Woodland Hills, California 91364

Sample ID	Sample Date	Sample Depth Interval (ft bgs)	PCBs by EPA Method 8082 (µg/kg)								
			Arochlor - 1016	Arochlor - 1221	Arochlor - 1232	Arochlor - 1242	Arochlor - 1248	Arochlor - 1254	Arochlor - 1260	Arochlor - 1262	Arochlor - 1268
B5-0.5	07/10/18	0-0.5	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
B9-0.5	07/10/18	0-0.5	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
B21-0.5	07/11/18	0-0.5	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
B26-0.5	07/11/18	0-0.5	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49
B32-0.5	07/11/18	0-0.5	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
B38-0.5	07/11/18	0-0.5	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49
B50-0.5	08/13/18	0-0.5	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
B51-0.5	08/13/18	0-0.5	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
B55-0.5	08/13/18	0-0.5	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49
HA8-0.5	07/08/19	0-0.5	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49	ND < 49
HA24-0.5	07/10/19	0-0.5	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
HA35-0.5	07/10/19	0-0.5	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
HA36-0.5	07/10/19	0-0.5	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50

Notes:
EPA = United States Environmental Protection Agency
µg/kg = micrograms per kilogram
ft bgs = feet below ground surface
PCB = Polychlorinated biphenyls
ND = Not Detected at or above the detection limit

Borings highlighted in red were advanced as part of EFI Global's PEA-E (dated March 22, 2019)
Borings highlighted in green were advanced as part of this SSI

Table 4: Title 22 Metals in Soil
William Howard Taft Charter High School
5461 Winnetka Avenue, Woodland Hills, California 91364

Sample ID	Sample Date	Sample Interval (ft bgs)	Title 22 Metals																			
			Antimony	Arsenic		Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead		Molybdenum	Nickel	Selenium	Silver	Thallium		Vanadium	Zinc	Mercury
EPA Method			6010B	6010B	6020A	6010B	6010B	6010B	6010B	6010B	6010B	6010B	DHS-WET / 6010B	6010B	6010B	6010B	6010B	6020	6010B	6010B	6010B	7471A
Units			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/l	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
B1-0.5	07/10/18	0-0.5	ND	--	8.19	129	0.503	1.23	20.9	8.53	30.2	13.5	--	2.05	30.0	ND	ND	--	ND	31.9	68.4	ND
B2-0.5	07/10/18	0-0.5	ND	--	16.5	137	0.335	ND	15.2	10.8	33.7	58.2	2.82	1.31	14.0	ND	ND		ND	35.0	79.4	0.0826
B2-0.5	10/09/19	0-0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND*	--	--	--	--
B2-1.5	07/10/18	0-0.5	ND	--	9.99	113	0.416	0.995	27.1	6.69	46.1	4.71	--	8.71	19.4	2.76	ND	--	ND	26.1	78.8	0.0975
B2A-0.5	08/09/18	0-0.5	ND	--	14.9	177	0.767	1.72	32.0	8.81	52.0	21.8	--	5.71	41.0	3.75	ND	--	1.96	38.9	104	ND
B2B-0.5	08/09/18	0-0.5	ND	--	8.22	133	0.712	1.52	25.5	8.02	24.8	9.00	--	2.74	29.5	0.892	ND	--	1.94	42.0	68.0	ND
B2C-0.5	08/09/18	0-0.5	ND	--	9.28	138	0.627	1.21	29.3	7.71	38.7	10.4	--	5.52	31.5	1.92	ND	--	2.07	38.7	82.7	ND
B3-0.5	07/10/18	0-0.5	ND	--	7.88	92.3	0.440	0.567	27.8	6.28	38.0	3.71	--	14.7	18.4	4.43	ND	--	ND	31.4	75.4	ND
B4-0.5	07/10/18	0-0.5	ND	--	8.62	143	0.454	1.47	24.9	6.89	32.3	54.4	1.67	2.84	22.0	0.840	ND	--	ND	32.7	147	ND
B5-0.5	07/10/18	0-0.5	ND	--	9.96	141	0.440	1.33	24.2	12.4	38.9	22.5	--	5.81	29.5	1.41	ND	--	ND	32.0	145	0.166
B5-0.5-DUP	07/10/18	0-0.5	ND	--	9.35	161	0.384	1.17	23.3	7.54	40.1	25.2	--	6.83	26.3	2.43	ND	--	ND	31.1	146	ND
B5-0.5	10/09/19	0-0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND*	--	--	--	--
B5A-0.5	08/09/18	0-0.5	ND	--	14.1	174	0.707	1.14	33.4	7.89	43.2	27.1	--	8.94	30.0	2.48	ND	--	1.92	42.1	183	ND
B5A-0.5DUP	08/09/18	0-0.5	ND	--	10.9	181	0.706	1.18	34.5	8.83	45.1	34.0	--	7.07	30.7	2.95	ND	--	1.48	40.9	190	ND
B5B-0.5	08/09/18	0-0.5	ND	--	8.98	220	0.672	1.12	33.9	8.27	46.9	37.3	--	5.70	28.7	2.53	ND	--	1.78	38.5	121	0.0813
B5C-0.5	08/09/18	0-0.5	ND	--	12.7	172	0.631	0.920	33.5	7.65	48.5	25.3	--	7.10	31.3	3.22	ND	--	1.69	36.4	111	ND
B6-0.5	07/10/18	0-0.5	ND	--	9.34	152	0.598	1.23	20.0	7.53	22.9	16.5	--	2.21	25.8	2.44	ND	--	ND	34.7	65.9	ND
B7-0.5	07/10/18	0-0.5	ND	--	8.89	212	0.483	1.40	26.4	8.40	42.2	7.58	--	4.27	36.4	2.22	ND	--	ND	31.8	89.6	ND
B8-0.5	07/10/18	0-0.5	ND	--	11.5	145	0.523	1.17	18.9	6.99	28.7	13.1	--	2.11	23.2	ND	ND	--	ND	34.2	64.2	ND
B9-0.5	07/10/18	0-0.5	ND	--	**23.9**	163	0.426	1.24	20.5	7.67	30.5	13.5	--	2.74	27.5	0.874	ND	--	ND	32.1	106	0.187
B9-0.5DUP	07/10/18	0-0.5	ND	--	**28.4**	139	0.387	1.09	19.1	5.88	31.2	12.0	--	4.39	24.7	2.24	ND	--	ND	30.8	115	ND
B9-0.5	10/09/19	0-0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND*	--	--	--	--
B9-1.5	07/10/18	1-1.5	ND	--	**25.5**	136	0.471	1.36	26.1	7.75	43.8	27.4	--	3.22	29.5	4.35	ND	--	ND	29.9	162	ND
B9-3	07/10/18	2.5-3	ND	--	6.35	173	0.606	1.13	14.3	5.35	18.6	2.50	--	1.91	26.2	0.784	ND	--	1.66	31.1	40.7	ND
B9A-0.5	07/09/19	0-0.5	ND	--	10.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B9B-0.5	07/09/19	0-0.5	ND	--	14.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B9B-1.5	07/09/19	1-1.5	ND	--	13.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B9B-3.5	07/09/19	2.5-3	ND	--	10.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
B10-0.5	07/10/18	0-0.5	ND	--	10.3	85.6	0.345	0.946	14.5	4.36	22.3	24.9	--	1.28	16.7	ND	ND	--	ND	22.6	58.1	ND
B10-0.5DUP	07/10/18	0-0.5	ND	--	11.1	97.4	0.352	0.973	13.9	5.22	21.2	17.7	--	1.63	18.7	ND	ND	--	ND	25.3	51.7	ND
B11-0.5	07/10/18	0-0.5	ND	--	**21.1**	129	0.389	0.817	28.8	6.76	48.2	9.05	--	5.45	22.6	2.52	ND	--	ND	30.4	90.3	ND
B11-0.5	10/09/19	0-0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND*	--	--	--	--
B11-1.5	07/10/18	1-1.5	ND	--	**15.2**	138	0.511	1.39	29.9	7.54	30.9	29.3	--	1.96	20.2	ND	0.375	--	ND	35.9	130	0.0896
B11-3	07/10/18	2.5-3	ND	--	9.62	148	0.710	1.31	27.2	8.22	39.3	4.61	--	8.06	35.5	1.54	ND	--	1.61	39.5	83.0	ND
B11A-0.5	08/09/18	0-0.5	ND	--	**36.2**	149	0.798	1.56	37.0	9.68	54.0	10.0	--	9.90	53.7	2.81	ND	--	1.77	41.5	138	ND
B11A-0.5DUP	08/09/18	0-0.5	ND	--	**16.2**	129	1.08	6.47	38.8	**30.8**	50.7	9.05	--	21.9	225	2.69	ND	--	ND	41.6	159	ND
B11B-0.5	08/09/18	0-0.5	ND	--	**20.0**	136	0.697	1.17	30.7	9.91	27.1	25.8	--	0.885	18.1	ND	ND	--	2.29	42.1	109	ND
B11C-0.5	08/09/18	0-0.5	ND	--	4.92	130	0.646	1.70	22.6	8.23	27.5	4.07	--	5.06	43.9	3.34	ND	--	1.64	31.7	75.5	ND
B12-0.5	07/10/18	0-0.5	ND	--	5.84	153	0.402	1.17	29.4	11.0	34.7	5.44	--	5.71	29.9	1.28	ND	--	ND	34.1	71.8	ND
B13-5	07/10/18	4.5-5	ND	5.44	--	93.0	0.380	0.984	22.4	4.94	32.7	3.83	--	7.99	30.2	3.23	ND	--	ND	24.5	69.2	ND
B13-10	07/10/18	9.5-10	ND	4.08	--	244	0.543	0.816	18.5	7.28	27.6	4.20	--	1.96	24.3	0.977	ND	--	ND	39.3	38.1	ND
B14-0.5	07/10/18	0-0.5	ND	--	1.49	165	0.275	0.575	24.3	4.14	50.2	8.41	--	2.85	13.7	1.31	0.246	--	ND	22.4	56.1	ND
B15-0.5	07/10/18	0-0.5	ND	--	10.1	58.4	0.321	0.513	31.3	7.29	40.8	2.38	--	13.1	16.1	1.51	ND	--	ND	32.3	86.1	ND
B16-0.5	07/10/18	0-0.5	ND	--	5.05	98.0	ND	ND	10.4	5.97	12.6	20.6	--	0.472	10.5	ND	ND	--	ND	23.5	40.6	0.115
B17-0.5	07/10/18	0-0.5	ND	--	10.1	98.0	ND	ND	10.4	5.97	12.6	20.6	--	0.472	10.5	ND	ND	--	ND	23.5	40.6	ND
B18-0.5	07/10/18	0-0.5	ND	--	6.32	137	0.335	ND	15.2	10.8	17.8	8.81	--	1.31	14.0	ND	ND	--	ND	35.0	61.4	ND
B19-0.5	07/10/18	0-0.5	0.758	--	10.1	92.0	ND	ND	6.31	5.44	10.7	23.2	--	0.895	9.61	ND	ND	--	ND	23.7	46.0	ND
B20-0.5	07/10/18	0-0.5	1.15	--	7.24	130	0.348	0.914	20.3	8.39	25.9	25.6	--	2.24	16.5	ND	ND	--	ND	31.9	111	0.164
B21-0.5	07/11/18	0-0.5	ND	--	3.88	157	0.493	1.06	20.5	8.00	17.7	3.44	--	2.89	22.6	1.89	ND	--	ND	33.7	52.5	ND
B21-0.5 DUP	07/11/18	0-0.5	ND	--	4.08	187	0.520	1.05	24.8	5.56	21.0	3.92	--	2.31	23.7	ND	ND	--	ND	38.1	50.2	ND
B22-0.5	07/11/18	0-0.5	ND	--	6.04	143	0.786	1.88	28.5	11.5	28.2	4.21	--	5.24	55.8	4.47	ND	--	ND	36.5	102	ND
B22-0.5 DUP	07/11/18	0-0.5	ND	--	4.41	177	0.492	1.91	20.5	7.10	18.6	3.74	--	2.95	36.3	ND	ND	--	ND	33.4	62.1	ND
B23-0.5	07/11/18	0-0.5	ND	--	4.43	155	0.442	1.11	24.1	7.58	24.1	6.29	--	3.45	25.4	2.43	ND	--	ND	33.4	62.1	ND
B23-0.5 DUP	07/11/18	0-0.5	ND	--	4.14	139	0.420	0.897	24.6	7.17	26.2	38.7	--	4.81	26.1	2.40	ND	--	ND	29.9	62.6	ND
B24-0.5	07/11/18	0-0.5	ND	--	7.13	158	0.462	1.32	30.4	7.91	43.2	4.20	--	7.91	30.4	3.09	ND	--	0.790	35.0	81.7	ND
B24-0.5 DUP	07/11/18	0-0.5	ND	--	6.98	139	0.489	ND	27.3	5.52	23.6	4.57	--	5.85	17.8	4.96	ND	--	ND	36.4	64.0	ND
B24-1.5	07/11/18	1-1.5	ND		5.89	157	0.467	1.87	17.0	7.21	24.2	5.19	--	5.05	26.4	2.04	ND	--	ND	32.0	58.2	ND
B25-0.5	07/11/18	0-0.5	ND	--	4.93	156	0.507	1.62	27.9	9.63	30.0	7.06	--	6.4	40.0	3.23	ND	--	ND	32.6	73.5	ND
B25-0.5 DUP	07/11/18	0-0.5	ND	--	5.02	132	0.526	1.39	27.0	15.0	31.4	4.66	--	6.64	33.8	4.60	ND	--	ND	33.1	70.0	ND
B26-0.5	07/11/18	0-0.5	ND	--	4.98	153	0.506	1.30	20.7	7.20	17.7	4.97	--	2.92	22.3	ND	ND	--	ND	39.1	50.0	ND
B26-0.5 DUP	07/11/18	0-0.5	ND	--	4.92	159	0.476	1.29	20.0	6.74	16.6	4.48	--	2.53	21.4	ND	ND	--	ND	36.3	46.6	ND
B27-0.5	07/11/18	0-0.5	ND	--	4.19	142	0.491	1.26	19.7	7.18	17.1	4.23	--	1.84	20.5	ND	ND	--	ND	35.2	55.7	ND
B28-0.5	07/11/18	0-0.5	ND	--	5.78	161	0.496	1.46	25.0	11.3	24.6	7.11	--	3.22	26.8	1.32	ND	--	ND	37.3	67.8	ND
B29-0.5	07/11/18	0-0.5	ND	--	8.34	187	0.489	1.32	32.6	8.68	50.3	15.6	--	7.18	31.3	2.50	ND	--	ND	35.4	111	ND

Table 4: Title 22 Metals in Soil
William Howard Taft Charter High School
5461 Winnetka Avenue, Woodland Hills, California 91364

Sample ID	Sample Date	Sample Interval (ft bgs)	Title 22 Metals																			
			Antimony	Arsenic		Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead		Molybdenum	Nickel	Selenium	Silver	Thallium		Vanadium	Zinc	Mercury
EPA Method			6010B	6010B	6020A	6010B	6010B	6010B	6010B	6010B	6010B	6010B	DHS-WET / 6010B	6010B	6010B	6010B	6010B	6020	6010B	6010B	6010B	7471A
Units			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/l	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
B30-0.5	07/11/18	0-0.5	ND	--	5.30	143	0.421	0.699	33.5	8.77	44.5	4.84	--	6.54	25.0	2.31	ND	--	ND	33.3	82.4	ND
B31-0.5	07/11/18	0-0.5	ND	--	8.53	101	0.269	0.564	11.5	6.42	12.1	13.9	--	0.980	14.6	0.807	ND	--	ND	31.4	48.9	ND
B31-0.5 DUP	07/11/18	0-0.5	ND	--	3.91	139	0.487	1.57	20.2	7.43	18.1	4.52	--	2.96	23.2	1.72	ND	--	ND	44.3	49.8	ND
B32-0.5	07/11/18	0-0.5	ND	--	5.64	129	0.551	1.38	21.5	7.32	17.9	3.66	--	3.21	21.8	1.47	ND	--	ND	45.4	49.0	ND
B33-0.5	07/11/18	0-0.5	ND	--	8.73	140	0.544	0.958	19.3	7.00	23.0	8.72	--	2.56	20.7	1.14	ND	--	ND	35.5	53.1	ND
B34-0.5	07/11/18	0-0.5	ND	--	6.08	69.8	0.373	0.972	38.8	7.89	40.6	4.71	--	11.3	41.1	5.07	0.273	--	1.02	31.0	91.9	0.0827
B34-1.5	07/11/18	1-1.5	ND	--	10.7	63.2	0.436	1.62	30.2	8.09	29.2	3.29	--	5.37	27.1	5.12	ND	--	ND	34.4	87.9	ND
B35-0.5	07/11/18	0-0.5	ND	--	3.95	134	0.350	0.802	14.2	8.06	16.3	4.51	--	0.256	22.1	0.867	ND	--	ND	29.4	51.5	ND
B35-0.5 DUP	07/11/18	0-0.5	ND	--	3.27	196	0.467	1.08	17.4	7.57	16.8	4.12	--	0.357	30.8	ND	ND	--	ND	31.6	60.2	ND
B36-0.5	07/11/18	0-0.5	ND	--	4.97	142	0.363	0.610	33.7	7.93	52.4	7.00	--	3.06	20.1	11.1	ND	--	ND	31.9	85.5	ND
B37-0.5	07/11/18	0-0.5	ND	--	**24.2**	189	0.616	2.09	34.9	12.3	51.9	60.1	0.905	5.50	62.3	2.09	ND	--	ND	38.7	389	0.0886
B37-0.5 DUP	07/11/18	0-0.5	ND	--	20.2	161	0.556	1.94	31.7	10.5	49.5	56.8	--	5.18	59.5	2.17	ND	--	ND	35.3	374	0.0836
B37-0.5	10/09/19	0-0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND*	--	--	--	--
B37-1.5	07/11/18	1-1.5	ND	--	17.0	149	0.953	3.23	33.3	18.2	48.5	**156**	4.74	3.51	87.1	2.21	ND	--	ND	33.1	802	0.296
B37-3	07/11/18	2.5-3	ND	--	13.5	80.0	0.426	ND	27.1	5.38	36.2	11.1	--	16.2	16.1	4.99	ND	--	1.21	41.1	111	ND
B37A-0.5	08/09/18	0-0.5	ND	--	7.49	176	0.811	2.27	25.8	10.9	26.8	4.84	--	4.59	60.3	0.879	ND	--	1.98	40.5	97.1	ND
B37B-0.5	08/09/18	0-0.5	ND	--	12.6	223	0.855	1.03	37.4	9.97	42.7	5.19	--	12.4	45.8	4.86	ND	--	2.19	50.9	95.2	0.0948
B37C-0.5	08/09/18	0-0.5	ND	--	**30.1**	193	0.917	1.69	39.2	13.4	47.4	**228**	4.38	5.79	56.8	2.39	ND	--	1.70	45.8	315	0.220
B37C-1.5	08/09/18	1-1.5		--	--	--	--	--	--	--	--	12.1	--	--	--	--	--	--	--	--	--	--
B37C-3	08/09/18	2.5-3		--	--	--	--	--	--	--	--	13.1	--	--	--	--	--	--	--	--	--	--
B38-0.5	07/11/18	0-0.5	ND	--	7.63	74.8	0.319	0.606	39.5	8.10	51.3	4.86	--	10.9	20.3	5.50	ND	--	ND	36.9	92.3	ND
B39-0.5	07/11/18	0-0.5	ND	--	5.05	287	0.431	0.625	25.4	5.90	22.6	8.29	--	4.23	21.6	2.94	ND	--	ND	33.0	64.1	ND
B39-0.5 DUP	07/11/18	0-0.5	ND	--	8.99	73.0	0.439	0.860	44.8	8.33	50.9	3.86	--	11.3	35.1	6.48	ND	--	ND	41.9	81.9	ND
B40-0.5	07/11/18	0-0.5	ND	--	3.00	222	0.414	0.828	22.8	16.3	24.8	15.0	--	0.583	23.8	3.18	ND	--	ND	36.4	79.1	ND
B40-1.5	07/11/18	1-1.5	ND	--	5.79	229	0.469	0.780	18.9	13.5	26.1	29.0	--	ND	19.4	1.10	ND	--	ND	35.7	71.1	ND
B41-0.5	07/11/18	0-0.5	ND	--	**12.6**	178	0.445	1.21	33.4	9.76	39.0	14.9	--	6.83	32.4	4.51	ND	--	ND	35.7	121	ND
B41-0.5	10/09/19	0-0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND*	--	--	--	--
B41-1.5	07/11/18	1-1.5	ND	--	11.3	500	0.529	0.842	38.7	9.58	41.1	6.88	--	9.79	31.1	6.44	ND	--	ND	46.3	126	0.0838
B41A-0.5	08/13/18	0-0.5	ND	--	7.92	126	0.631	1.37	30.4	12.7	40.3	10.9	--	11.3	34.5	8.35	ND	--	2.10	41.0	96.9	ND
B41A-0.5 DUP	08/13/18	0-0.5	ND	--	6.24	132	0.643	1.42	30.9	11.8	43.5	11.0	--	12.1	37.6	6.33	ND	--	1.93	40.0	99.6	ND
B41B-0.5	08/13/18	0-0.5	ND	--	6.89	147	0.590	1.29	32.2	10.2	39.2	14.1	--	5.56	31.7	3.89	ND	--	2.23	42.2	116	ND
B41C-0.5	08/13/18	0-0.5	ND	--	4.46	108	0.479	1.12	18.5	9.08	24.4	6.29	--	5.30	32.7	3.87	ND	--	1.58	32.0	73.0	ND
B42-0.5	07/11/18	0-0.5	ND	--	7.98	104	0.398	1.33	28.3	8.28	32.8	24.4	--	3.79	26.2	0.833	ND	--	ND	40.4	161	ND
B43-0.5	07/11/18	0-0.5	ND	--	17.4	184	0.483	1.81	32.0	9.2	41.9	57.2	2.40	3.20	29.5	1.66	ND	--	ND	39.8	197	ND
B43-0.5	10/09/19	0-0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND*	--	--	--	--
B43-1.5	07/28/18	1-1.5	ND	--	12.2	137	0.426	1.56	17.9	7.1	28.9	34.7	--	4.64	22.2	ND	ND	--	0.787	28.4	127	ND
B43-3	07/11/18	2.5-3	ND	--	4.33	75.2	0.365	1.21	9.7	4.3	24.5	9.02	--	5.03	21.1	ND	ND	--	ND	15.9	51.8	ND
B43A-0.5	08/13/18	0-0.5	ND	--	**21.4**	168	0.618	1.53	28.1	7.69	37.4	40.0	--	4.46	29.7	1.25	ND	--	1.32	40.0	133	0.168
B43B-0.5	08/13/18	0-0.5	ND	--	11.3	169	0.618	1.52	28.2	7.71	37.3	40.3	--	4.51	29.9	1.40	ND	--	1.37	40.1	134	0.0821
B43C-0.5	08/13/18	0-0.5	ND	--	9.20	154	0.605	1.10	45.7	7.07	23.3	36.5	--	2.23	22.6	ND	ND	--	1.37	38.2	114	ND
B44-0.5	07/11/18	0-0.5	ND	--	6.19	158	0.464	1.73	34.8	7.38	36.4	5.26	--	6.55	39.8	1.31	ND	--	ND	37.4	75.6	ND
B45-0.5	07/11/18	0-0.5	ND	--	6.08	220	0.476	1.54	33.2	8.38	31.3	13.3	--	4.30	34.4	2.85	ND	--	ND	39.5	77.1	ND
B45-0.5 DUP	07/11/18	0-0.5	ND	--	7.34	213	0.501	1.56	35.5	8.53	34.7	8.06	--	4.97	37.6	2.88	ND	--	ND	39.9	81.3	ND
B46-0.5	07/11/18	0-0.5	ND	--	6.98	191	0.457	2.15	33.4	9.30	37.3	12.7	--	5.77	41.0	2.71	ND	--	ND	35.6	84.1	ND
B47-0.5	07/11/18	0-0.5	ND	--	9.12	202	0.506	1.89	36.2	7.71	34.8	4.43	--	5.40	35.5	0.812	ND	--	ND	41.0	78.2	ND
B47-0.5 DUP	07/11/18	0-0.5	ND	--	9.34	183	0.489	2.12	38.3	7.49	34.3	4.09	--	5.87	34.8	1.97	ND	--	ND	45.1	78.4	ND
B48-0.5	07/11/18	0-0.5	ND	--	8.98	159	0.373	0.980	33.6	6.20	31.2	7.15	--	7.56	28.9	4.13	ND	--	ND	34.0	69.7	ND
B49-0.5	07/11/18	0-0.5	ND	--	14.1	182	0.382	0.732	34.7	8.01	40.2	6.35	--	10.2	26.1	4.36	ND	--	ND	36.6	89.6	ND
B49-1.5	07/11/18	1-1.5	ND	--	6.75	84.9	ND	0.776	19.8	5.39	30.6	2.60	--	12	11.9	12.90	ND	--	ND	23.6	62.7	ND
B49A-0.5	08/09/18	0-0.5	ND	--	11.8	174	0.625	0.816	32.3	7.77	41.2	14.5	--	9.83	29.1	8.86	ND	--	1.99	40.5	93.5	ND
B49B-0.5	08/09/18	0-0.5	ND	--	11.9	147	0.542	0.770	36.1	7.16	40.0	5.72	--	12.8	30.4	6.17	ND	--	2.13	37.7	90.0	ND
B49C-0.5	08/09/18	0-0.5	ND	--	12.1	176	0.540	ND	34.6	7.69	38.8	4.83	--	12.8	24.6	7.57	ND	--	1.46	39.9	88.4	ND
B50-0.5	08/13/18	0-0.5	ND	--	9.06	171	0.721	1.82	30.6	9.24	30.5	12.9	--	3.78	33.0	ND	ND	--	1.49	45.4	87.0	0.0961
B51-0.5	08/13/18	0-0.5	ND	--	6.30	162	0.661	1.48	27.7	8.70	25.1	7.76	--	3.22	30.3	ND	ND	--	1.21	40.2	64.3	ND
B51-0.5 DUP	08/13/18	0-0.5	ND	--	8.34	163	0.718	1.52	31.3	7.58	27.8	6.82	--	3.90	31.4	ND	ND	--	1.52	44.7	68.6	ND
B52-0.5	08/13/18	0-0.5	ND	--	17.0	173	0.627	1.81	28.1	9.11	30.9	18.4	--	1.59	29.3	ND	ND	--	1.36	40.3	93.3	ND
B52-1.5	08/13/18	1-1.5	ND	10.9	--	212	0.684	3.20	22.4	8.77	29.8	1.80	--	1.48	35.7	ND	ND	--	ND	31.1	55.2	ND
B52-3	08/13/18	2.5-3	ND	7.74	--	172	0.514	2.58	18.3	5.64	23.7	1.67		1.25	31.2	ND	ND	--	ND	24.6	44.7	ND
B52A-0.5	11/21/18	0-0.5		--	8.49	--	--	--	--	--	--	2.25	--	--	--	--	--	--	--	--	--	--
B52B-0.5	11/21/18	0-0.5		--	7.78	--	--	--	--	--	--	13.6	--	--	--	--	--	--	--	--	--	--
B52C-0.5	11/21/18	0-0.5		--	12.40	--	--	--	--	--	--	7.56	--	--	--	--	--	--	--	--	--	--
B53-0.5	08/13/18	0-0.5	ND	--	7.64	187	0.739	1.78	30.9	8.56	42.5	11.9	--	4.15	35.2	1.14	ND	--	1.37	45.6	125	ND
B53-0.5	10/09/19	0-0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND*	--	--	--	--
B54-0.5	08/13/18	0-0.5	ND	--	8.23	178	0.738	2.02	34.7	8.52	38.5	10.5	--	6.05	40.7	1.38	ND	--	1.65	43.7	153	ND

Table 4: Title 22 Metals in Soil
William Howard Taft Charter High School
5461 Winnetka Avenue, Woodland Hills, California 91364

Sample ID	Sample Date	Sample Interval (ft bgs)	Title 22 Metals																			
			Antimony	Arsenic		Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead		Molybdenum	Nickel	Selenium	Silver	Thallium		Vanadium	Zinc	Mercury
EPA Method			6010B	6010B	6020A	6010B	6010B	6010B	6010B	6010B	6010B	6010B	DHS-WET / 6010B	6010B	6010B	6010B	6010B	6020	6010B	6010B	6010B	7471A
Units			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/l	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
B55-0.5	08/13/18	0-0.5	ND	--	1.64	52.1	ND	0.583	10.9	2.02	8.35	2.06	--	1.29	10.4	ND	ND	--	ND	13.2	29.5	ND
B56-0.5	08/13/18	0-0.5	ND	--	5.42	174	0.664	1.60	25.9	6.67	27.6	16.5	--	2.59	27.8	1.33	ND	--	1.42	37.3	114	ND
B56-0.5	10/09/19	0-0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND*	--	--	--	--
B57-0.5	08/13/18	0-0.5	ND	--	5.43	159	0.605	1.22	28.3	7.72	32.3	5.48	--	7.97	31.9	1.93	ND	--	1.26	38.8	69.0	ND
B58-0.5	08/13/18	0-0.5	ND	--	7.61	153	0.598	1.21	24.9	8.71	27.6	28.2	--	1.54	23.3	ND	ND	--	2.31	40.2	74.4	ND
B59-0.5	08/13/18	0-0.5	ND	--	5.79	164	0.716	1.60	34.3	7.67	32.8	4.61	--	6.11	36.5	1.76	ND	--	1.36	42.8	75.8	ND
B60-0.5	08/13/18	0-0.5	ND	--	7.80	149	0.662	1.71	34.0	8.35	32.9	6.42	--	6.29	39.0	2.39	ND	--	1.33	39.8	76.1	ND
B60-0.5 DUP	08/13/18	0-0.5	ND	--	10.7	176	0.755	2.22	37.2	9.79	39.2	7.85	--	7.33	53.8	2.65	ND	--	1.38	46.0	90.3	ND
B60-0.5	10/09/19	0-0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND*	--	--	--	--
B61-0.5	08/13/18	0-0.5	ND	--	9.24	190	0.824	2.07	35.5	8.83	38.2	**87.6**	2.19	7.87	35.1	1.08	ND	--	1.50	50.5	151	ND
B61-0.5	10/09/19	0-0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND*	--	--	--	--
B61-1.5	08/13/18	1-1.5	ND	8.01	6.32	143	0.567	1.72	16.5	7.01	24.6	5.77	--	2.44	30.4	ND	ND	--	ND	25.3	59.2	ND
B61-3	08/13/18	2.5-3	ND	6.59	--	176	0.560	1.37	14.7	7.14	23.5	3.07	--	1.81	23.5	ND	ND	--	ND	22.9	41.6	ND
B61A-0.5	11/20/18	0-0.5		--	8.64	--	--	--	--	--	--	46.7	1.55	--	--	--	--	--	--	--	--	--
B61B-0.5	11/20/18	0-0.5		--	7.03	--	--	--	--	--	--	13.5	0.508	--	--	--	--	--	--	--	--	--
B61B-0.5 DUP	11/20/18	0-0.5		--	6.46	--	--	--	--	--	--	24.4	--	--	--	--	--	--	--	--	--	--
B61C-0.5	11/20/18	0-0.5		--	6.86	--	--	--	--	--	--	45.4	1.38	--	--	--	--	--	--	--	--	--
B62-0.5	08/13/18	0-0.5	ND	--	6.32	147	0.607	1.28	24.8	7.41	28.4	46.0	--	3.16	27.6	1.72	ND	--	1.49	39.0	201	ND
B63-0.5	08/13/18	0-0.5	ND	--	9.91	201	0.754	1.67	33.2	8.90	35.4	57.4	--	3.01	35.3	0.826	ND	--	1.57	46.2	172	ND
B64-0.5	08/13/18	0-0.5	ND	--	5.42	179	0.745	1.64	25.8	7.56	22.4	5.54	--	3.55	28.5	0.885	ND	--	1.87	46.1	58.8	ND
B65-0.5	08/13/18	0-0.5	ND	--	8.34	195	0.739	1.88	28.9	8.37	34.4	20.7	0.492	2.84	30.8	1.54	ND	--	1.40	46.6	95.6	ND
B66-0.5	08/13/18	0-0.5	ND	--	6.83	185	0.701	1.45	28.0	6.95	32.2	6.96	--	2.37	29.5	ND	ND	--	1.39	35.9	61.4	ND
B67-0.5	08/13/18	0-0.5	ND	--	8.95	190	0.747	1.61	30.1	8.36	28.2	7.35	--	3.32	34.4	ND	ND	--	1.49	44.0	67.6	ND
B68-0.5	11/19/18	0-0.5	--	--	8.22	--	--	--	--	--	--	30.5	--	--	--	--	--	--	--	--	--	--
B69-0.5	11/19/18	0-0.5	--	--	9.17	--	--	--	--	--	--	21.5	--	--	--	--	--	--	--	--	--	--
B70-0.5	11/20/18	0-0.5	--	--	6.62	--	--	--	--	--	--	21.8	--	--	--	--	--	--	--	--	--	--
B71-0.5	11/20/18	0-0.5	--	--	7.92	--	--	--	--	--	--	4.92	--	--	--	--	--	--	--	--	--	--
B72-0.5	11/20/18	0-0.5	--	--	10.4	--	--	--	--	--	--	10.9	--	--	--	--	--	--	--	--	--	--
B73-0.5	11/19/18	0-0.5	--	--	5.15	--	--	--	--	--	--	6.28	--	--	--	--	--	--	--	--	--	--
B73-0.5 DUP	11/19/18	0-0.5	--	--	5.53	--	--	--	--	--	--	5.56	--	--	--	--	--	--	--	--	--	--
B74-0.5	11/19/18	0-0.5	--	--	4.54	--	--	--	--	--	--	7.71	--	--	--	--	--	--	--	--	--	--
B75-0.5	11/19/18	0-0.5	--	--	4.23	--	--	--	--	--	--	16.2	--	--	--	--	--	--	--	--	--	--
B76-0.5	11/20/18	0-0.5	--	--	3.17	--	--	--	--	--	--	6.63	--	--	--	--	--	--	--	--	--	--
B77-0.5	11/20/18	0-0.5	--	--	3.27	--	--	--	--	--	--	16.9	--	--	--	--	--	--	--	--	--	--
B78-0.5	11/19/18	0-0.5	--	--	4.44	--	--	--	--	--	--	5.38	--	--	--	--	--	--	--	--	--	--
B79-0.5	11/19/18	0-0.5	--	--	4.94	--	--	--	--	--	--	15.4	--	--	--	--	--	--	--	--	--	--
B80-0.5	11/19/18	0-0.5	--	--	6.50	--	--	--	--	--	--	6.63	--	--	--	--	--	--	--	--	--	--
B80-0.5 DUP	11/19/18	0-0.5	--	--	8.33	--	--	--	--	--	--	7.60	--	--	--	--	--	--	--	--	--	--
B81-0.5	11/20/18	0-0.5	--	--	4.09	--	--	--	--	--	--	3.34	--	--	--	--	--	--	--	--	--	--
B82-0.5	11/20/18	0-0.5	--	--	7.76	--	--	--	--	--	--	7.42	--	--	--	--	--	--	--	--	--	--
B83-0.5	11/19/18	0-0.5	--	--	4.42	--	--	--	--	--	--	17.3	--	--	--	--	--	--	--	--	--	--
B84-0.5	11/19/18	0-0.5	--	--	4.62	--	--	--	--	--	--	18.2	--	--	--	--	--	--	--	--	--	--
B85-0.5	11/19/18	0-0.5	--	--	8.06	--	--	--	--	--	--	24.0	--	--	--	--	--	--	--	--	--	--
B86-0.5	11/19/18	0-0.5	--	--	7.91	--	--	--	--	--	--	16.9	--	--	--	--	--	--	--	--	--	--
B86-0.5 DUP	11/19/18	0-0.5	--	--	6.40	--	--	--	--	--	--	14.7	--	--	--	--	--	--	--	--	--	--
B87-0.5	11/19/18	0-0.5	--	--	5.24	--	--	--	--	--	--	23.1	--	--	--	--	--	--	--	--	--	--
B88-0.5	11/19/18	0-0.5	--	--	2.68	--	--	--	--	--	--	15.9	--	--	--	--	--	--	--	--	--	--
B89-0.5	11/19/18	0-0.5	--	--	5.72	--	--	--	--	--	--	14.5	--	--	--	--	--	--	--	--	--	--
B90-0.5	11/19/18	0-0.5	--	--	6.49	--	--	--	--	--	--	16.3	--	--	--	--	--	--	--	--	--	--
B91-0.5	11/19/18	0-0.5	--	--	5.85	--	--	--	--	--	--	13.0	--	--	--	--	--	--	--	--	--	--
B92-0.5	11/19/18	0-0.5	--	--	6.28	--	--	--	--	--	--	16.3	--	--	--	--	--	--	--	--	--	--
B93-0.5	11/19/18	0-0.5	--	--	5.75	--	--	--	--	--	--	16.2	--	--	--	--	--	--	--	--	--	--
B94-0.5	11/19/18	0-0.5	--	--	5.58	--	--	--	--	--	--	10.8	--	--	--	--	--	--	--	--	--	--
B95-0.5	11/21/19	0-0.5	--	--	3.83	--	--	--	--	--	--	5.13	--	--	--	--	--	--	--	--	--	--
B96-0.5	11/21/19	0-0.5	--	--	5.97	--	--	--	--	--	--	4.48	--	--	--	--	--	--	--	--	--	--
HA1-0.5	07/09/19	0-0.5	--	--	**12.2**	--	--	--	--	--	--	12.7	--	--	--	--	--	ND*	--	--	--	--
HA1-1.5	07/09/19	1-1.5	--	--	8.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
HA2-0.5	07/08/19	0-0.5	--	--	3.63	--	--	--	--	--	--	2.37	--	--	--	--	--	--	--	--	--	--
HA3-0.5	07/08/19	0-0.5	--	--	4.18	--	--	--	--	--	--	14.2	--	--	--	--	--	--	--	--	--	--

Table 4: Title 22 Metals in Soil
William Howard Taft Charter High School
5461 Winnetka Avenue, Woodland Hills, California 91364

Sample ID	Sample Date	Sample Interval (ft bgs)	Title 22 Metals																			
			Antimony	Arsenic		Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead		Molybdenum	Nickel	Selenium	Silver	Thallium		Vanadium	Zinc	Mercury
EPA Method			6010B	6010B	6020A	6010B	6010B	6010B	6010B	6010B	6010B	6010B	DHS-WET / 6010B	6010B	6010B	6010B	6010B	6020	6010B	6010B	6010B	7471A
Units			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/l	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
HA4-0.5	07/08/19	0-0.5	--	--	5.52	--	--	--	--	--	--	3.05	--	--	--	--	--	--	--	--	--	--
HA5-0.5	07/08/19	0-0.5	--	--	4.60	--	--	--	--	--	--	3.35	--	--	--	--	--	--	--	--	--	--
HA6-0.5	07/09/19	0-0.5	--	--	3.47	--	--	--	--	--	--	1.52	--	--	--	--	--	--	--	--	--	--
HA6-0.5 DUP	07/09/19	0-0.5	--	--	4.16	--	--	--	--	--	--	2.10	--	--	--	--	--	--	--	--	--	--
HA7-0.5	07/08/19	0-0.5	--	--	6.77	--	--	--	--	--	--	3.95	--	--	--	--	--	--	--	--	--	--
HA8-0.5	07/08/19	0-0.5	--	--	4.86	--	--	--	--	--	--	2.65	--	--	--	--	--	--	--	--	--	--
HA9-0.5	07/08/19	0-0.5	--	--	5.59	--	--	--	--	--	--	17.2	--	--	--	--	--	--	--	--	--	--
HA10-0.5	07/08/19	0-0.5	--	--	1.17	--	--	--	--	--	--	4.71	--	--	--	--	--	--	--	--	--	--
HA11-0.5	07/08/19	0-0.5	--	--	ND	--	--	--	--	--	--	2.60	--	--	--	--	--	--	--	--	--	--
HA12-0.5	07/08/19	0-0.5	--	--	ND	--	--	--	--	--	--	1.68	--	--	--	--	--	--	--	--	--	--
HA13-0.5	07/08/19	0-0.5	--	--	4.49	--	--	--	--	--	--	3.04	--	--	--	--	--	--	--	--	--	--
HA14-0.5	07/08/19	0-0.5	--	--	ND	--	--	--	--	--	--	1.45	--	--	--	--	--	--	--	--	--	--
HA15-0.5	07/09/19	0-0.5	--	--	6.88	--	--	--	--	--	--	40.4	--	--	--	--	--	--	--	--	--	--
HA16-0.5	07/09/19	0-0.5	--	--	3.59	--	--	--	--	--	--	34.4	--	--	--	--	--	--	--	--	--	--
HA17-0.5	07/09/19	0-0.5	--	--	3.16	--	--	--	--	--	--	12.5	--	--	--	--	--	--	--	--	--	--
HA18-0.5	07/09/19	0-0.5	--	--	2.22	--	--	--	--	--	--	6.77	--	--	--	--	--	--	--	--	--	--
HA19-0.5	07/09/19	0-0.5	--	--	2.39	--	--	--	--	--	--	4.70	--	--	--	--	--	--	--	--	--	--
HA20-0.5	07/09/19	0-0.5	--	--	2.39	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--
HA21-0.5	07/09/19	0-0.5	--	--	4.22	--	--	--	--	--	--	23.7	--	--	--	--	--	--	--	--	--	--
HA22-0.5	07/09/19	0-0.5	--	--	6.46	--	--	--	--	--	--	31.4	--	--	--	--	--	--	--	--	--	--
HA22-0.5 DUP	07/09/19	0-0.5	--	--	6.97	--	--	--	--	--	--	33.1	--	--	--	--	--	--	--	--	--	--
HA23-0.5	07/09/19	0-0.5	--	--	4.78	--	--	--	--	--	--	24.7	--	--	--	--	--	--	--	--	--	--
HA24-0.5	07/10/19	0-0.5	--	--	ND	--	--	--	--	--	--	4.22	--	--	--	--	--	--	--	--	--	--
HA25-0.5	07/10/19	0-0.5	--	--	ND	--	--	--	--	--	--	2.48	--	--	--	--	--	--	--	--	--	--
HA26-0.5	07/10/19	0-0.5	--	--	**15.8**	--	--	--	--	--	--	12.8	--	--	--	--	--	ND*	--	--	--	--
HA26-1.5	07/10/19	1-1.5	--	--	**26.0**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
HA26-3	07/10/19	2.5-3	--	--	**19.2**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
HA27-0.5	07/09/19	0-0.5	--	--	5.64	--	--	--	--	--	--	10.6	--	--	--	--	--	--	--	--	--	--
HA28-0.5	07/10/19	0-0.5	--	--	6.91	--	--	--	--	--	--	14.3	--	--	--	--	--	--	--	--	--	--
HA28-0.5 DUP	07/10/19	0-0.5	--	--	9.18	--	--	--	--	--	--	6.50	--	--	--	--	--	--	--	--	--	--
HA29-0.5	07/10/19	0-0.5	--	--	9.12	--	--	--	--	--	--	1.80	--	--	--	--	--	--	--	--	--	--
HA30-0.5	07/10/19	0-0.5	--	--	**12.1**	--	--	--	--	--	--	34.6	--	--	--	--	--	--	--	--	--	--
HA30-1.5	07/10/19	1-1.5	--	--	10.7	--	--	--	--	--	--	--	--	--	--	--	--	ND*	--	--	--	--
HA31-0.5	07/10/19	0-0.5	--	--	5.30	--	--	--	--	--	--	10.4	--	--	--	--	--	--	--	--	--	--
HA32-0.5	07/10/19	0-0.5	--	--	6.39	--	--	--	--	--	--	3.16	--	--	--	--	--	--	--	--	--	--
HA33-0.5	07/10/19	0-0.5	--	--	ND	--	--	--	--	--	--	2.14	--	--	--	--	--	--	--	--	--	--
HA33-0.5 DUP	07/10/19	0-0.5	--	--	ND	--	--	--	--	--	--	2.21	--	--	--	--	--	--	--	--	--	--
HA34-0.5	07/10/19	0-0.5	--	--	**15.7**	--	--	--	--	--	--	8.40	--	--	--	--	--	ND*	--	--	--	--
HA34-1.5	07/10/19	1-1.5	--	--	5.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
HA35-0.5	07/10/19	0-0.5	--	--	6.44	--	--	--	--	--	--	2.59	--	--	--	--	--	--	--	--	--	--
HA36-0.5	07/10/19	0-0.5	--	--	ND	--	--	--	--	--	--	3.31	--	--	--	--	--	--	--	--	--	--
HA37-0.5	07/10/19	0-0.5	--	--	ND	--	--	--	--	--	--	3.30	--	--	--	--	--	--	--	--	--	--
Maximum Concentration			**1.15**	**10.9**	**36.2**	**500**	**1.08**	**6.47**	**45.7**	**30.8**	**54**	**228**	**4.74**	**21.9**	**225**	**12.9**	**0.375**	**ND***	**2.31**	**50.9**	**802**	**0.296**
SSALs[1]			**31**	**12**	**12 / 24[2]**	**15,000**	**160**	**71**	**NE**	**23**	**3,100**	**80**	**NE**	**390**	**1,500**	**390**	**390**	**0.78**	**0.78[3]**	**390**	**23,000**	**11**
California Hazardous Waste Threshold			**500**	**500**	**500**	**10,000**	**75**	**100**	**2,500**	**8,000**	**2,500**	**1,000**	**5**	**3,500**	**2,000**	**100**	**500**	**700**	**700**	**2,400**	**5,000**	**20**

Notes:

ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
-- = Sample not analyzed for compound
Concentrations that exceed SSALs show in **bold** and shaded in orange

TTLC = Total Threshold Limit Concentration
mg/l = milligrams per liter
ND = Not Detected at or above the detection limit

WET = Waste Extraction Test
DUP = Duplicate Sample

Borings highlighted in red were advanced as part of EFI Global's PEA-E (dated March 22, 2019)
Borings highlighted in green were advanced as part of this SSI
*Laboratory reporting limits exceeds SSAL for indicated compound

[1] SSALs for arsenic and lead (12 mg/kg and 80 mg/kg, respectively) are from *Scope of Services: PEA Equivalent* document (dated April 23, 2018) by the Los Angeles Unified School District. The SSALs for the remaining Title 22 metals are based on remaining Title 22 metals are based on the EPA's *Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1) November 2018.*

[2]The maximum allowable concentration of arsenic is 24 mg/kg (*Scope of Services: PEA Equivalent*, LAUSD OEHS, April 23, 2018). If a limited hot-spot removal at locations B9, B11, B11A, B37, and B37C is performed, the 95% UCL for remaining arsenic concentrations do not exceed the SSAL for arsenic of 12 mg/kg. See text for

[3]All thallium concentrations detected during the PEA-E exceeded the SSAL for thallium of 0.78 mg/kg. However, the detected concentrations do not appear to originate from an on-site release and therefore are considered background and not of concern. See PEA-E text for additional details.

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Table 5: Total Petroleum Hydrocarbons and Volatile Organic Compounds in Soil
William Howard Taft Charter High School
5461 Winnetka Avenue, Woodland Hills, California 91364

Sample ID	Sample Date	Sample Interval (ft bgs)	EPA Method 8015M (mg/kg)			EPA Method 8260B (µg/kg)							
			TPH-g (C4 - C12)	TPH-d (C13 - C22)	TPH-o (C23 - C44)	Benzene	Ethylbenzene	Toluene	m,p-Xylene	o-Xylene	Acetone	Carbon Disulfide	All Other 860B VOCs
B6-0.5	07/10/18	0-0.5	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
B13-5	07/10/18	4.5-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B13-10	07/10/18	9.5-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B18-3	07/10/18	2.5-3	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND
B95-0.5	11/21/18	0-0.5	ND	ND	**19.1**	ND	ND	ND	ND	ND	ND	ND	ND
B96-0.5	11/21/18	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HA1-0.5	07/09/19	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	**120**	ND	ND
HA2-0.5	07/08/19	0-0.5	ND	ND	**20.8**	ND	ND	ND	ND	ND	ND	ND	ND
HA3-0.5	07/08/19	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HA4-0.5	07/08/19	0-0.5	ND	ND	**21.1**	ND	ND	ND	ND	ND	ND	ND	ND
HA5-0.5	07/08/19	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HA6-0.5	07/09/19	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	**100**	ND	ND
HA6-0.5 DUP	07/09/19	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	**100**	ND	ND
HA7-0.5	07/08/19	0-0.5	ND	ND	**369**	ND	ND	ND	ND	ND	ND	ND	ND
HA8-0.5	07/08/19	0-0.5	ND	ND	**38.2**	ND	ND	ND	ND	ND	ND	ND	ND
HA9-0.5	07/08/19	0-0.5	ND	ND	**480**	ND	ND	ND	ND	ND	ND	ND	ND
HA10-0.5	07/08/19	0-0.5	ND	ND	**41.0**	ND	ND	ND	ND	ND	ND	ND	ND
HA11-0.5	07/08/19	0-0.5	ND	ND	**34.1**	ND	ND	ND	ND	ND	**46**	ND	ND
HA12-0.5	07/08/19	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HA13-0.5	07/08/19	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HA14-0.5	07/08/19	0-0.5	ND	ND	**6.0**	ND	ND	ND	ND	ND	ND	ND	ND
HA15-0.5	07/09/19	0-0.5	ND	ND	**18.4**	ND	ND	ND	ND	ND	**190**	ND	ND
HA16-0.5	07/09/19	0-0.5	ND	ND	**5.5**	ND	ND	ND	ND	ND	**180**	ND	ND
HA17-0.5	07/09/19	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HA18-0.5	07/09/19	0-0.5	ND	ND	**167**	ND	ND	ND	ND	ND	**55**	ND	ND
HA19-0.5	07/09/19	0-0.5	ND	ND	**308**	ND	ND	ND	ND	ND	ND	ND	ND
HA20-0.5	07/09/19	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HA21-0.5	07/09/19	0-0.5	ND	ND	**6.5**	ND	ND	ND	ND	ND	**140**	ND	ND
HA22-0.5	07/09/19	0-0.5	ND	ND	**45.5**	ND	ND	ND	ND	ND	**170**	ND	ND
HA22-0.5 DUP	07/09/19	0-0.5	ND	ND	**36.9**	ND	ND	ND	ND	ND	**120**	ND	ND
HA23-0.5	07/09/19	0-0.5	ND	ND	**19.8**	ND	ND	ND	ND	ND	**110**	ND	ND
HA24-0.5	07/10/19	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	**50**	ND	ND
HA25-0.5	07/10/19	0-0.5	ND	ND	ND	**1.8**	**1.4**	**2.3**	ND	ND	ND	ND	ND
HA26-0.5	07/10/19	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	**76**	ND	ND
HA27-0.5	07/09/19	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HA28-0.5	07/10/19	0-0.5	ND	ND	**112**	ND	ND	ND	ND	ND	ND	ND	ND
HA28-0.5 DUP	07/10/19	0-0.5	ND	ND	**26.3**	ND	ND	ND	ND	ND	**66**	ND	ND
HA29-0.5	07/10/19	0-0.5	ND	ND	**74.8**	ND	ND	ND	ND	ND	ND	ND	ND
HA30-0.5	07/10/19	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	**90**	ND	ND
HA31-0.5	07/10/19	0-0.5	ND	**6.5**	**118.4**	**2.0**	ND	**2.7**	ND	ND	**170**	**23**	ND
HA32-0.5	07/10/19	0-0.5	ND	ND	**12.6**	**1.2**	ND	ND	ND	ND	ND	ND	ND
HA33-0.5	07/10/19	0-0.5	**59**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HA33-0.5 DUP	07/10/19	0-0.5	ND	ND	ND	**0.80**	ND	ND	ND	ND	ND	ND	ND
HA34-0.5	07/10/19	0-0.5	ND	ND	**283**	ND	ND	ND	ND	ND	**140**	ND	ND
HA35-0.5	07/10/19	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HA36-0.5	07/10/19	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HA37-0.5	07/10/19	0-0.5	ND	ND	**21.1**	ND	ND	ND	ND	ND	ND	ND	ND
SSAL[1]			**100**	**100**	**1,000**	**1,200**	**5,800**	**4.9.E+06**	**5.5.E+05**	**6.5.E+05**	**6.1.E+07**	**7.7.E+05**	**Varies**

Notes:
EPA = United States Environmental Protection Agency
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
ft bgs = feet below ground surface
TPH-g = Total Petroleum Hydrocarbons as gasoline
TPH-d = Total Petroleum Hydrocarbons as diesel
TPH-o = Total Petroleum Hydrocarbons as oil
VOC = Volatile Organic Compound
ND = Not Detected at or above the detection limit
-- = Sample not analyzed for indicated compound

Borings highlighted in red were advanced as part of EFI Global's PEA-E (dated March 22, 2019)
Borings highlighted in green were advanced as part of this SSI

SSAL[1] = Site Specific Action Levels; SSALs for TPH-g, TPH-d, and TPH-o are based on Maximum Soil Screening Levels for sites with groundwater depth of less than 20 feet below the sampling depth (MSSLs) from the *Interim Site Assessment & Cleanup Guidebook* (Los Angeles Regional Water Quality Control Board; May 1996) . SSALs for VOCs are based on the EPA's Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1) April 2019.

APPENDIX A

BORING LOGS WITH BOREHOLE COMPLETION DIAGRAMS

BORING HA1

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SITE ADDRESS:	5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			*PROJECT NO.:*	045.00349
DATE(S) DRILLED:	7/9/19	*START:* 8:15	*END:* 8:40	*BORING DIAMETER:*	3"
DRILLING METHOD:	--	*DRILLING RIG:*	HAND AUGER	*TERMINAL DEPTH:*	3' BGS
DRILLING CONTRACTOR:	MDP	*SAMPLING METHOD:*	4OZ JARS/5035	*1ST ENCOUNTERED GROUNDWATER:*	NA
LOGGED BY:	P. SKEATH	*SURFACE:*	GRASS/ROOTS	*STATIC GROUNDWATER:*	NA

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									2" GRASS AND ROOTS	
			8:17		HA1-S-0.5	6.0	ML		SILT WITH SAND; FINE GRAINED SAND; LIGHT BROWN; MEDIUM STIFF; DRY TO MOIST; LOW PLASTICITY; SOME ROOTS	
1										
			8:19		HA1-S-1.5	0.1	ML		SILT WITH SAND; FINE GRAINED SAND; LIGHT BROWN; MEDIUM STIFF; DRY TO MOIST; LOW PLASTICITY; SOME ROOTS	
2										
3			8:21		HA1-S-3	0.2	ML		SILT WITH SAND; FINE GRAINED SAND; LIGHT BROWN; MEDIUM STIFF; DRY TO MOIST; LOW PLASTICITY; SOME ROOTS	

BORING TERMINATED AT 3' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA2

efi global

SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.: 045.00349
DATE(S) DRILLED: 7/9/19	START: 9:30	END: 9:50	BORING DIAMETER: 3"
DRILLING METHOD: --	DRILLING RIG: HAND AUGER		TERMINAL DEPTH: 3.5' BGS
DRILLING CONTRACTOR: MDP	SAMPLING METHOD: 4 OZ JAR/5035		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: P. SKEATH	SURFACE: ASPHALT		STATIC GROUNDWATER: N/A

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									4" ASPHALT	
									3" BASE	
			9:32		HA2-S-0.5	0.2	ML		CLAYEY SILT; DARK BROWN/GRAY; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY	
1										
			9:34		HA2-S-1.5	0.5	ML		CLAYEY SILT; DARK BROWN/GRAY; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY	
2										
3			9:36		HA2-S-3	0.2	CL		SILTY CLAY; BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY	

BORING TERMINATED AT 3.5' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA3

PAGE 1 OF 1

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SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.: 045.00349
DATE(S) DRILLED: 7/9/19	START: 11:20	END: 11:45	BORING DIAMETER: 3"
DRILLING METHOD: --	DRILLING RIG: HAND AUGER		TERMINAL DEPTH: 3.5' BGS
DRILLING CONTRACTOR: MDP	SAMPLING METHOD: 4 OZ JAR/5035		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: P. SKEATH	SURFACE: ASPHALT		STATIC GROUNDWATER: N/A

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									4" ASPHALT	
									3" BASE	
			11:20		HA3-S-0.5	0.2	ML		CLAYEY SILT; DARK BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY	
1										
			11:22		HA3-S-1.5	0.5	ML		CLAYEY SILT; DARK BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY	
2										
3			11:24		HA3-S-3	0.3	CL		SILTY CLAY; BROWN; MEDIUM STIFF; MOIST; HIGH PLASTICITY	

BORING TERMINATED AT 3.5' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA4

PAGE 1 OF 1

SITE ADDRESS:	5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			*PROJECT NO.:*	045.00349
DATE(S) DRILLED:	7/9/19	*START:* 10:40	*END:* 11:00	*BORING DIAMETER:*	3"
DRILLING METHOD:	--	*DRILLING RIG:*	HAND AUGER	*TERMINAL DEPTH:*	3.5' BGS
DRILLING CONTRACTOR:	MDP	*SAMPLING METHOD:*	4 OZ JAR/5035	*1ST ENCOUNTERED GROUNDWATER:*	N/A
LOGGED BY:	P. SKEATH	*SURFACE:*	ASPHALT	*STATIC GROUNDWATER:*	N/A

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									4" ASPHALT	
									3" BASE	
			10:42		HA4-S-0.5	0.0	ML		CLAYEY SILT; DARK BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY	
1										
			10:44		HA4-S-1.5	0.2	ML		CLAYEY SILT; DARK BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY	
2										
3			10:46		HA4-S-3	0.2	CL		SILTY CLAY; BROWN; MEDIUM STIFF; MOIST; HIGH PLASTICITY	

BORING TERMINATED AT 3.5' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA5

SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			*PROJECT NO.:* 045.00349
DATE(S) DRILLED: 7/9/19	*START:* 14:00	*END:* 14:25	*BORING DIAMETER:* 3"
DRILLING METHOD: --	*DRILLING RIG:* HAND AUGER		*TERMINAL DEPTH:* 2' BGS
DRILLING CONTRACTOR: MDP	*SAMPLING METHOD:* 4 OZ JAR/5035		*1ST ENCOUNTERED GROUNDWATER:* N/A
LOGGED BY: P. SKEATH	*SURFACE:* ASPHALT		*STATIC GROUNDWATER:* N/A

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									4" ASPHALT	
									3" BASE	
			14:02		HA5-S-0.5	0.0	ML		CLAYEY SILT; DARK BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	
1										
			14:04		HA5-S-1.5	0.0	ML		CLAYEY SILT; DARK BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY	
2									TD 3' BGS, REFUSAL, FLAT HARD SURFACE	
3										

BORING TERMINATED AT 2' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA6

efi global

SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.: 045.00349
DATE(S) DRILLED: 7/9/19	START: 9:00	END: 9:05	BORING DIAMETER: 3"
DRILLING METHOD: --	DRILLING RIG: HAND AUGER		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: MDP	SAMPLING METHOD: 4OZ JARS/5035		1ST ENCOUNTERED GROUNDWATER: NA
LOGGED BY: P. SKEATH	SURFACE: GRASS/ROOTS		STATIC GROUNDWATER: NA

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									2" GRASS AND ROOTS	
			9:02		HA6-S-0.5 WITH DUP	0.1	ML		SILT WITH SAND; FINE TO MEDIUM GRAINED SAND; LIGHT BROWN; MEDIUM STIFF; DRY; LOW PLASTICITY	
1										
			9:04		HA6-S-1.5	0.2	ML		SILT WITH SAND; FINE TO MEDIUM GRAINED SAND; LIGHT BROWN; MEDIUM STIFF; DRY; LOW PLASTICITY	
2										
3			9:06		HA6-S-3	0.5	ML		SILT WITH SAND; FINE TO MEDIUM GRAINED SAND; LIGHT BROWN; MEDIUM STIFF; DRY; LOW PLASTICITY	

BORING TERMINATED AT 3' BGS; GROUNDWATER NOT ENCOUNTERED; DUP AT 0.5' BGS

BGS : BELOW GROUND SURFACE

BORING HA7

PAGE 1 OF 1

SITE ADDRESS:	5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.:	045.00349
DATE(S) DRILLED:	7/9/19	START: 13:25	END: 12:45	BORING DIAMETER:	3"
DRILLING METHOD:	--	DRILLING RIG:	HAND AUGER	TERMINAL DEPTH:	3.5' BGS
DRILLING CONTRACTOR:	MDP	SAMPLING METHOD:	4 OZ JAR/5035	1ST ENCOUNTERED GROUNDWATER:	N/A
LOGGED BY:	P. SKEATH	SURFACE:	ASPHALT	STATIC GROUNDWATER:	N/A

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									4" ASPHALT	
									3" BASE	
			13:27		HA7-S-0.5	0.0	ML		CLAYEY SILT; DARK BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	
1										
			13:29		HA7-S-1.5	0.0	CL		SILTY CLAY; LIGHT BROWN; STIFF; MOIST; MEDIUM PLASTICITY	
2										
3			13:31		HA7-S-3	0.1	CL		SILTY CLAY; LIGHT BROWN; STIFF; MOIST; MEDIUM PLASTICITY	

BORING TERMINATED AT 3.5' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA8

SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.: 045.00349
DATE(S) DRILLED: 7/9/19	START: 9:00	END: 9:15	BORING DIAMETER: 3"
DRILLING METHOD: --	DRILLING RIG: HAND AUGER		TERMINAL DEPTH: 3.5' BGS
DRILLING CONTRACTOR: MDP	SAMPLING METHOD: 4 OZ JAR/5035		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: P. SKEATH	SURFACE: ASPHALT		STATIC GROUNDWATER: N/A

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									3" ASPHALT	
									3" BASE	
			9:02		HA8-S-0.5	0.1	ML		CLAYEY SILT; BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY	
1										
			9:04		HA8-S-1.5	0.1	ML		CLAYEY SILT; BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY	
2										
3			9:06		HA8-S-3	0.1	ML		CLAYEY SILT; BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY	

BORING TERMINATED AT 3.5' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA9

PAGE 1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.: 045.00349
DATE(S) DRILLED: 7/9/19	START: 10:00	END: 10:25	BORING DIAMETER: 3"
DRILLING METHOD: --	DRILLING RIG: HAND AUGER		TERMINAL DEPTH: 3.5' BGS
DRILLING CONTRACTOR: MDP	SAMPLING METHOD: 4 OZ JAR/5035		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: P. SKEATH	SURFACE: ASPHALT		STATIC GROUNDWATER: N/A

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									4" ASPHALT	
									3" BASE	
			10:02		HA9-S-0.5	0.0	ML		CLAYEY SILT; DARK BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY	
1										
			10:04		HA9-S-1.5	0.2	ML		CLAYEY SILT; DARK BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY	
2										
3			10:06		HA9-S-3	0.3	CL		SILTY CLAY; BROWN; MEDIUM STIFF; MOIST; HIGH PLASTICITY	

BORING TERMINATED AT 3.5' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA10

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SITE ADDRESS:	5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.:	045.00349
DATE(S) DRILLED:	7/9/19	START: 12:10	END: 12:20	BORING DIAMETER:	3"
DRILLING METHOD:	--	DRILLING RIG:	HAND AUGER	TERMINAL DEPTH:	3.5' BGS
DRILLING CONTRACTOR:	MDP	SAMPLING METHOD:	4 OZ JAR/5035	1ST ENCOUNTERED GROUNDWATER:	N/A
LOGGED BY:	P. SKEATH	SURFACE:	ASPHALT	STATIC GROUNDWATER:	N/A

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									4" ASPHALT	
									3" BASE	
			12:10		HA10-S-0.5	0.1	ML		CLAYEY SILT; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	
1										
			12:12		HA10-S-1.5	0.3	ML		CLAYEY SILT; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	
2										
3			12:14		HA10-S-3	0.2	ML		CLAYEY SILT; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	

BORING TERMINATED AT 3.5' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA11

SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.: 045.00349
DATE(S) DRILLED: 7/9/19	START: 12:25	END: 12:45	BORING DIAMETER: 3"
DRILLING METHOD: --	DRILLING RIG: HAND AUGER		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: MDP	SAMPLING METHOD: 4OZ JARS/5035		1ST ENCOUNTERED GROUNDWATER: NA
LOGGED BY: P. SKEATH	SURFACE: ASPHALT		STATIC GROUNDWATER: NA

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									4" ASPHALT	
									3" BASE	
			12:27		HA11-S-0.5	0.0	ML		CLAYEY SILT; DARK BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	
1										
			12:29		HA11-S-1.5	0.0	ML		CLAYEY SILT; DARK BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	
2										
3			12:31		HA11-S-3	0.0	ML		CLAYEY SILT; DARK BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	

BORING TERMINATED AT 3' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA12

SITE ADDRESS:	5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			*PROJECT NO.:*	045.00349
DATE(S) DRILLED:	7/9/19	*START:* 13:25	*END:* 15:05	*BORING DIAMETER:*	3"
DRILLING METHOD:	--	*DRILLING RIG:*	HAND AUGER	*TERMINAL DEPTH:*	3.5' BGS
DRILLING CONTRACTOR:	MDP	*SAMPLING METHOD:*	4 OZ JAR/5035	*1ST ENCOUNTERED GROUNDWATER:*	N/A
LOGGED BY:	P. SKEATH	*SURFACE:*	ASPHALT	*STATIC GROUNDWATER:*	N/A

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									4" ASPHALT	
									3" BASE	
			14:42		HA12-S-0.5	0.0	CH		SILTY CLAY; DARK BROWN; STIFF; MOIST; HIGH PLASTICITY	
1										
			14:46		HA12-S-1.5	0.0	CH		SILTY CLAY; DARK BROWN; STIFF; MOIST; HIGH PLASTICITY	
2										
3			14:48		HA12-S-3	0.2	CL		SILTY CLAY; DARK BROWN; STIFF; MOIST; HIGH PLASTICITY	

BORING TERMINATED AT 3.5' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA13

efi global

SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.: 045.00349
DATE(S) DRILLED: 7/9/19	START: 12:50	END: 13:10	BORING DIAMETER: 3"
DRILLING METHOD: --	DRILLING RIG: HAND AUGER		TERMINAL DEPTH: 3.5' BGS
DRILLING CONTRACTOR: MDP	SAMPLING METHOD: 4 OZ JAR/5035		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: P. SKEATH	SURFACE: ASPHALT		STATIC GROUNDWATER: N/A

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									3" ASPHALT	
									3" BASE	
			12:55		HA13-S-0.5	0.1	ML		CLAYEY SILT; BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY	
1										
			12:57		HA13-S-1.5	0.2	ML		CLAYEY SILT; BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY	
2										
3			12:59		HA13-S-3	0.0	CH		SILTY CLAY; BROWN; STIFF; MOIST; HIGH PLASTICITY	

BORING TERMINATED AT 3.5' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA14

PAGE 1 OF 1

SITE ADDRESS:	5461 WINNETKA AVE, WOODLAND HILLS, CA 91364	PROJECT NO.:	045.00349
DATE(S) DRILLED: 7/9/19	START: 15:10 END: 15:30	BORING DIAMETER:	3"
DRILLING METHOD: --	DRILLING RIG: HAND AUGER	TERMINAL DEPTH:	3.5' BGS
DRILLING CONTRACTOR: MDP	SAMPLING METHOD: 4 OZ JAR/5035	1ST ENCOUNTERED GROUNDWATER:	N/A
LOGGED BY: P. SKEATH	SURFACE: ASPHALT	STATIC GROUNDWATER:	N/A

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									4" ASPHALT	
									3" BASE	
			15:12		HA14-S-0.5	0.1	ML		CLAYEY SILT; BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY	
1										
			15:14		HA14-S-1.5	0.0	ML		CLAYEY SILT; BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY	
2										
3			15:16		HA14-S-3	0.0	ML		CLAYEY SILT; LIGHT BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY	

BORING TERMINATED AT 3.5' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA15

efi global

SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.: 045.00349
DATE(S) DRILLED: 7/9/19	START: 10:00	END: 10:20	BORING DIAMETER: 3"
DRILLING METHOD: --	DRILLING RIG: HAND AUGER		TERMINAL DEPTH: 3.5' BGS
DRILLING CONTRACTOR: MDP	SAMPLING METHOD: 4 OZ JAR/5035		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: P. SKEATH	SURFACE: GRASS/ROOTS		STATIC GROUNDWATER: N/A

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									2" GRASS AND ROOTS	
			10:02		HA15-S-0.5	0.2	ML		SANDY SILT; FINE TO MEDIUM GRAINED SAND; LIGHT BROWN; MEDIUM STIFF; DRY; LOW PLASTICITY SOME ROOTS	
1										
			10:04		HA15-S-1.5	0.2	ML		SANDY SILT; FINE TO MEDIUM GRAINED SAND; LIGHT BROWN; MEDIUM STIFF; DRY; LOW PLASTICITY; SOME ROOTS	
2										
3			10:06		HA15-S-3	0.0	ML		SANDY SILT WITH CLAY; FINE TO MEDIUM GRAINED SAND; LIGHT BROWN; MEDIUM STIFF; DRY; LOW PLASTICITY	

BORING TERMINATED AT 3.5' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA16

PAGE 1 OF 1

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SITE ADDRESS:	5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.:	045.00349
DATE(S) DRILLED:	7/9/19	START: 12:15	END: 12:35	BORING DIAMETER:	3"
DRILLING METHOD:	--	DRILLING RIG:	HAND AUGER	TERMINAL DEPTH:	3' BGS
DRILLING CONTRACTOR:	MDP	SAMPLING METHOD:	4OZ JARS/5035	1ST ENCOUNTERED GROUNDWATER:	NA
LOGGED BY:	P. SKEATH	SURFACE:	GRASS/ROOTS	STATIC GROUNDWATER:	NA

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									2" GRASS AND ROOTS	
			12:17		HA16-S-0.5	0.3	ML		SILT WITH SAND; FINE GRAINED SAND; BROWN,; MEDIUM STIFF; LOW PLASTICITY; SOME ROOTS	
1										
			12:19		HA16-S-1.5	0.3	ML		SILT WITH SAND; FINE GRAINED SAND; BROWN,; MEDIUM STIFF; LOW PLASTICITY; SOME ROOTS	
2										
3			12:21		HA16-S-3	0.3	ML		SILT WITH SAND; FINE GRAINED SAND; BROWN,; MEDIUM STIFF; LOW PLASTICITY; SOME ROOTS	

BORING TERMINATED AT 3' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA17

SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			*PROJECT NO.:* 045.00349
DATE(S) DRILLED: 7/9/19	*START:* 10:35	*END:* 11:00	*BORING DIAMETER:* 3"
DRILLING METHOD: --	*DRILLING RIG:* HAND AUGER		*TERMINAL DEPTH:* 3' BGS
DRILLING CONTRACTOR: MDP	*SAMPLING METHOD:* 4 OZ JAR/5035		*1ST ENCOUNTERED GROUNDWATER:* N/A
LOGGED BY: P. SKEATH	*SURFACE:* GRASS/ROOTS		*STATIC GROUNDWATER:* N/A

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									2" GRASS AND ROOTS	
			10:37		HA17-S-0.5	1.0	CH		SILTY CLAY; BROWN; MEDIUM STIFF; MOIST; HIGH PLASTICITY; SOME ROOTS	
1										
			10:39		HA17S-1.5	0.2	ML		CLAYEY SILT; BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY; SOME ROOTS	
2										
3			10:41		HA17-S-3	1.3	ML		CLAYEY SILT; BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY; SOME ROOTS	

BORING TERMINATED AT 3' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA18

SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.: 045.00349
DATE(S) DRILLED: 7/9/19	START: 13:30	END: 13:55	BORING DIAMETER: 3"
DRILLING METHOD: --	DRILLING RIG: HAND AUGER		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: MDP	SAMPLING METHOD: 4 OZ JAR/5035		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: P. SKEATH	SURFACE: CONCRETE		STATIC GROUNDWATER: N/A

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									3" CONCRETE	
			13:32		HA18-S-0.5	0.1	ML		SANDY SILT WITH GRAVEL; FINE TO MEDIUM GRAINED SAND; FINE GRAVEL; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	
1										
			13:35		HA18S-1.5	0.2	ML		SANDY SILT WITH GRAVEL; FINE TO MEDIUM GRAINED SAND; FINE GRAVEL; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	
2										
3			13:37		HA18-S-3	0.3	ML		SANDY SILT WITH GRAVEL; FINE TO MEDIUM GRAINED SAND; FINE GRAVEL; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	

BORING TERMINATED AT 3' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA19

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SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.: 045.00349
DATE(S) DRILLED: 7/9/19	START: 11:30	END: 11:55	BORING DIAMETER: 3"
DRILLING METHOD: --	DRILLING RIG: HAND AUGER		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: MDP	SAMPLING METHOD: 4 OZ JAR/5035		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: P. SKEATH	SURFACE: CONCRETE		STATIC GROUNDWATER: N/A

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									3" CONCRETE	
			11:32		HA19-S-0.5	0.2	ML		CLAYEY SILT; LIGHT BROWN; MEDIUM STIFF; DRY; LOW PLASTICITY	
1										
			11:34		HA19S-1.5	0.4	ML		CLAYEY SILT; LIGHT BROWN; MEDIUM STIFF; DRY; LOW PLASTICITY	
2										
3			11:36		HA19-S-3	0.1	ML		CLAYEY SILT; LIGHT BROWN; MEDIUM STIFF; DRY; LOW PLASTICITY	

BORING TERMINATED AT 3' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA20

PAGE 1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.: 045.00349
DATE(S) DRILLED: 7/9/19	START: 9:30	END: 9:45	BORING DIAMETER: 3"
DRILLING METHOD: --	DRILLING RIG: HAND AUGER		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: MDP	SAMPLING METHOD: 4 OZ JAR/5035		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: P. SKEATH	SURFACE: GRAVELY SILT (TRACK MATERIAL)		STATIC GROUNDWATER: N/A

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									3" GRAVELY SILT (TRACK MATERIAL)	
			9:32		HA20-S-0.5	0.5	ML		SANDY SILT; FINE TO MEDIUM GRAINED SAND; LIGHT BROWN; MEDIUM STIFF; DRY; LOW PLASTICITY	
1										
			9:34		HA20S-1.5	0.7	ML		SANDY SILT; FINE TO MEDIUM GRAINED SAND; LIGHT BROWN; MEDIUM STIFF; DRY; LOW PLASTICITY	
2										
3			9:36		HA20-S-3	0.2	ML		SANDY SILT; FINE TO MEDIUM GRAINED SAND; LIGHT BROWN; MEDIUM STIFF; DRY; LOW PLASTICITY	

BORING TERMINATED AT 3' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA21

SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			*PROJECT NO.:* 045.00349
DATE(S) DRILLED: 7/9/19	*START:* 14:40	*END:* 15:00	*BORING DIAMETER:* 3"
DRILLING METHOD: --	*DRILLING RIG:* HAND AUGER		*TERMINAL DEPTH:* 3' BGS
DRILLING CONTRACTOR: MDP	*SAMPLING METHOD:* 4OZ JARS/5035		*1ST ENCOUNTERED GROUNDWATER:* NA
LOGGED BY: P. SKEATH	*SURFACE:* GRASS/ROOTS		*STATIC GROUNDWATER:* NA

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									2" GRASS AND ROOTS	
			14:42		HA21-S-0.5	0.3	ML		CLAYEY SILT; DARK BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY; SOME ROOTS	
1										
			14:44		HA21-S-1.5	0.6	ML		CLAYEY SILT; DARK BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY; SOME ROOTS	
2										
3			14:46		HA21-S-3	0.6	ML		CLAYEY SILT; DARK BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY; SOME ROOTS	

BORING TERMINATED AT 3' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA22

SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			*PROJECT NO.:* 045.00349
DATE(S) DRILLED: 7/9/19	*START:* 14:00	*END:* 14:20	*BORING DIAMETER:* 3"
DRILLING METHOD: --	*DRILLING RIG:* HAND AUGER		*TERMINAL DEPTH:* 3' BGS
DRILLING CONTRACTOR: MDP	*SAMPLING METHOD:* 4 OZ JAR/5035		*1ST ENCOUNTERED GROUNDWATER:* N/A
LOGGED BY: P. SKEATH	*SURFACE:* GRASS/ROOTS		*STATIC GROUNDWATER:* N/A

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									2" GRASS AND ROOTS	
			14:02		HA22-S-0.5	0.2	ML		CLAYEY SILT; DARK BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY; SOME ROOTS	
1										
			14:04		HA22-S-1.5	0.0	ML		CLAYEY SILT; DARK BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY; SOME ROOTS	
2										
3			14:06		HA22-S-3	0.2	ML		CLAYEY SILT; DARK BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY; SOME ROOTS	

BORING TERMINATED AT 3' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA23

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SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.: 045.00349
DATE(S) DRILLED: 7/9/19	START: 14:20	END: 14:35	BORING DIAMETER: 3"
DRILLING METHOD: --	DRILLING RIG: HAND AUGER		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: MDP	SAMPLING METHOD: 4 OZ JAR/5035		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: P. SKEATH	SURFACE: GRSS/ROOTS		STATIC GROUNDWATER: N/A

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									2" GRASS AND ROOTS	
			14:22		HA23-S-0.5	0.3	ML		CLAYEY SILT; DARK BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY; SOME ROOTS	
1			14:24		HA23-S-1.5	0.2	ML		CLAYEY SILT; DARK BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY; SOME ROOTS	
2										
3			14:26		HA23-S-3	0.4	ML		SANDY SILT; BROWN; MEDIUM STIFF; DRY; LOW PLASTICITY; SOME ROOTS	

BORING TERMINATED AT 3' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA24

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SITE ADDRESS:	5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.:	045.00349
DATE(S) DRILLED:	7/9/19	START: 14:00	END: 14:20	BORING DIAMETER:	3"
DRILLING METHOD:	--	DRILLING RIG:	HAND AUGER	TERMINAL DEPTH:	3.5' BGS
DRILLING CONTRACTOR:	MDP	SAMPLING METHOD:	4 OZ JAR/5035	1ST ENCOUNTERED GROUNDWATER:	N/A
LOGGED BY:	P. SKEATH	SURFACE:	ASPHALT	STATIC GROUNDWATER:	N/A

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									3" ASPHALT	
			14:02		HA24-S-0.5	0.1	ML		CLAYEY SILT; BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY;	
1										
			14:04		HA24-S-1.5	0.2	ML		CLAYEY SILT; BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY;	
2										
3			14:06		HA24-S-3	0.1	ML		CLAYEY SILT; BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY;	

BORING TERMINATED AT 3' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA25

SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			*PROJECT NO.:* 045.00349
DATE(S) DRILLED: 7/9/19	*START:* 8:30	*END:* 8:50	*BORING DIAMETER:* 3"
DRILLING METHOD: --	*DRILLING RIG:* HAND AUGER		*TERMINAL DEPTH:* 3.5' BGS
DRILLING CONTRACTOR: MDP	*SAMPLING METHOD:* 4 OZ JAR/5035		*1ST ENCOUNTERED GROUNDWATER:* N/A
LOGGED BY: P. SKEATH	*SURFACE:* ASPHALT		*STATIC GROUNDWATER:* N/A

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									4" ASPHALT	
									3" BASE	
			8:32		HA25-S-0.5	0.1	SM		SILTY SAND WITH GRAVEL; FINE TO COARSE SAND; FINE GRAVEL; LIGHT BROWN; MEDIUM DENSE; DRY	
1										
			8:34		HA25-S-1.5	0.0	SM		SILTY SAND WITH GRAVEL; FINE TO COARSE SAND; FINE GRAVEL; LIGHT BROWN; MEDIUM DENSE; DRY	
2										
3			8:36		HA25-S-3	0.0	SM		SILTY SAND WITH GRAVEL; FINE TO COARSE SAND; FINE GRAVEL; LIGHT BROWN; MEDIUM DENSE; DRY	

BORING TERMINATED AT 3.5' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA26

SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.: 045.00349
DATE(S) DRILLED: 7/9/19	START: 9:00	END: 9:20	BORING DIAMETER: 3"
DRILLING METHOD: --	DRILLING RIG: HAND AUGER		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: MDP	SAMPLING METHOD: 4OZ JARS/5035		1ST ENCOUNTERED GROUNDWATER: NA
LOGGED BY: P. SKEATH	SURFACE: SOIL		STATIC GROUNDWATER: NA

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
			9:02		HA26-S-0.5	0.2	ML		SANDY SILT; FINE TO MEDIUM SAND; BROWN; MEDIUM STIFF; DRY; LOW PLASTICITY; SOME ROOTS	
1										
			9:04		HA26-S-1.5	0.0	ML		SANDY SILT; FINE TO MEDIUM SAND; BROWN; MEDIUM STIFF; DRY; LOW PLASTICITY; SOME ROOTS	
2										
3			9:06		HA26-S-3	0.0	ML		SANDY SILT; FINE TO MEDIUM SAND; BROWN; MEDIUM STIFF; DRY; LOW PLASTICITY; SOME ROOTS	

BORING TERMINATED AT 3' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA27

SITE ADDRESS:	5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.:	045.00349
DATE(S) DRILLED:	7/9/19	START: 11:10	END: 11:25	BORING DIAMETER:	3"
DRILLING METHOD:	--	DRILLING RIG:	HAND AUGER	TERMINAL DEPTH:	3.5' BGS
DRILLING CONTRACTOR:	MDP	SAMPLING METHOD:	4 OZ JAR/5035	1ST ENCOUNTERED GROUNDWATER:	N/A
LOGGED BY:	P. SKEATH	SURFACE:	CONCRETE	STATIC GROUNDWATER:	N/A

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									4" CONCRETE	
									2" BASE	
			11:12		HA27-S-0.5	0.5	CL		SILTY CLAY; DARK BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY	
1										
			11:14		HA27-S-1.5	0.5	CL		SILTY CLAY; DARK BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY	
2										
3			11:16		HA27-S-3	0.4	ML		GRAVELY SILT WITH CLAY; COARSE GRAVEL; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	

BORING TERMINATED AT 3.5' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA28

SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.: 045.00349
DATE(S) DRILLED: 7/9/19	START: 10:50	END: 11:15	BORING DIAMETER: 3"
DRILLING METHOD: --	DRILLING RIG: HAND AUGER		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: MDP	SAMPLING METHOD: 4 OZ JAR/5035		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: P. SKEATH	SURFACE: ASPHALT		STATIC GROUNDWATER: N/A

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									3" ASPHALT	
			11:00		HA28-S-0.5	0.1	ML		SILT WITH CLAY; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	
1										
			11:02		HA28-S-1.5	0.2	CH		SILTY CLAY; DARK BROWN; PUSS HC BLACK STRING; MEDIUM STIFF; MOIST; HIGH PLASTICITY	
2										
3			11:04		HA28-S-3	0.1	CH		SILTY CLAY; DARK BROWN; PUSS HC BLACK STRING; MEDIUM STIFF; MOIST; HIGH PLASTICITY	

BORING TERMINATED AT 3' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA29

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SITE ADDRESS:	5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			*PROJECT NO.:*	045.00349
DATE(S) DRILLED:	7/9/19	*START:* 11:15	*END:* 11:30	*BORING DIAMETER:*	3"
DRILLING METHOD:	--	*DRILLING RIG:*	HAND AUGER	*TERMINAL DEPTH:*	3' BGS
DRILLING CONTRACTOR:	MDP	*SAMPLING METHOD:*	4 OZ JAR/5035	*1ST ENCOUNTERED GROUNDWATER:*	N/A
LOGGED BY:	P. SKEATH	*SURFACE:*	ASPHALT	*STATIC GROUNDWATER:*	N/A

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									3" ASPHALT	
			11:20		HA29-S-0.5	0.2	ML		GRAVELY SILT; FINE GRAVEL; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	
1										
			11:22		HA29-S-1.5	0.3	ML		GRAVELY SILT; FINE GRAVEL; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	
2										
3			11:24		HA29-S-3	0.2	ML		GRAVELY SILT; FINE GRAVEL; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	

BORING TERMINATED AT 3' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA30

SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.: 045.00349
DATE(S) DRILLED: 7/9/19	START: 11:40	END: 12:00	BORING DIAMETER: 3"
DRILLING METHOD: --	DRILLING RIG: HAND AUGER		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: MDP	SAMPLING METHOD: 4 OZ JAR/5035		1ST ENCOUNTERED GROUNDWATER: N/A
LOGGED BY: P. SKEATH	SURFACE: SOIL		STATIC GROUNDWATER: N/A

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
			11:46		HA30-S-0.5	0.3	ML		GRAVELY SILT; FINE GRAVEL; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY SOME ROOTS	
1										
			11:48		HA30-S-1.5	0.5	ML		GRAVELY SILT; FINE GRAVEL; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY SOME ROOTS	
2										
3			11:50		HA30-S-3	0.3	ML		GRAVELY SILT; FINE GRAVEL; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY SOME ROOTS	

BORING TERMINATED AT 3' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA31

SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.: 045.00349
DATE(S) DRILLED: 7/9/19	START: 10:30	END: 10:50	BORING DIAMETER: 3"
DRILLING METHOD: --	DRILLING RIG: HAND AUGER		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: MDP	SAMPLING METHOD: 4OZ JARS/5035		1ST ENCOUNTERED GROUNDWATER: NA
LOGGED BY: P. SKEATH	SURFACE: SOIL		STATIC GROUNDWATER: NA

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
			10:32		HA31-S-0.5	0.0	ML		SANDY SILT; FINE SAND; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY; SOME ROOTS	
1										
			10:34		HA31-S-1.5	0.1	ML		SANDY SILT; FINE SAND; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY; SOME ROOTS	
2										
3			10:36		HA31-S-3	0.0	ML		SANDY SILT; FINE SAND; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY; SOME ROOTS	

BORING TERMINATED AT 3' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA32

SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.: 045.00349
DATE(S) DRILLED: 7/9/19	START: 12:20	END: 12:40	BORING DIAMETER: 3"
DRILLING METHOD: --	DRILLING RIG: HAND AUGER		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: MDP	SAMPLING METHOD: 4OZ JARS/5035		1ST ENCOUNTERED GROUNDWATER: NA
LOGGED BY: P. SKEATH	SURFACE: CONCRETE		STATIC GROUNDWATER: NA

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									3" CONCRETE	
			12:22		HA32-S-0.5	0.0	ML		SANDY SILT WITH CLAY; FINE TO COARSE SAND; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY; SOME ROOTS	
1										
			12:24		HA32-S-1.5	0.0	ML		SANDY SILT WITH CLAY; FINE TO COARSE SAND; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY; SOME ROOTS	
2										
3			12:26		HA32-S-3	0.0	ML		CLAYEY SILT; BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY;	

BORING TERMINATED AT 3' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA33

PAGE 1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.: 045.00349
DATE(S) DRILLED: 7/9/19	START: 12:45	END: 13:00	BORING DIAMETER: 3"
DRILLING METHOD: --	DRILLING RIG: HAND AUGER		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: MDP	SAMPLING METHOD: 4OZ JARS/5035		1ST ENCOUNTERED GROUNDWATER: NA
LOGGED BY: P. SKEATH	SURFACE: CONCRETE		STATIC GROUNDWATER: NA

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									3" CONCRETE	
			12:47		HA33-S-0.5 WITH DUP	0.0	ML		CLAYEY SILT; BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY	
1										
			12:44		HA33-S-1.5	0.0	ML		CLAYEY SILT; BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY	
2										
3			12:51		HA33-S-3	0.0	ML		CLAYEY SILT; BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY	

BORING TERMINATED AT 3' BGS; GROUNDWATER NOT ENCOUNTERED;
DUP AT 0.5' BGS

BGS : BELOW GROUND SURFACE

BORING HA34

SITE ADDRESS:	5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.:	045.00349
DATE(S) DRILLED:	7/9/19	START: 10:00	END: 10:20	BORING DIAMETER:	3"
DRILLING METHOD:	--	DRILLING RIG:	HAND AUGER	TERMINAL DEPTH:	3' BGS
DRILLING CONTRACTOR:	MDP	SAMPLING METHOD:	4OZ JARS/5035	1ST ENCOUNTERED GROUNDWATER:	NA
LOGGED BY:	P. SKEATH	SURFACE:	SOIL	STATIC GROUNDWATER:	NA

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
			10:02		HA34-S-0.5	0.0	ML		SANDY SILT; FINE TO MEDIUM SAND; BROWN; MEDIUM STIFF; DRY; LOW PLASTICITY; SOME ROOTS	
1										
			10:04		HA34-S-1.5	0.1	ML		SANDY SILT; FINE TO MEDIUM SAND; BROWN; MEDIUM STIFF; DRY; LOW PLASTICITY; SOME ROOTS	
2										
3			10:06		HA34-S-3	0.0	SP		POORLY GRADED SAND; FINE TO MEDIUM GRAINED SAND; LIGHT BROWN; MEDIUM DENSE; DRY	

BORING TERMINATED AT 3' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA35

PAGE 1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.: 045.00349
DATE(S) DRILLED: 7/9/19	START: 9:30	END: 9:50	BORING DIAMETER: 3"
DRILLING METHOD: --	DRILLING RIG: HAND AUGER		TERMINAL DEPTH: 4' BGS
DRILLING CONTRACTOR: MDP	SAMPLING METHOD: 4OZ JARS/5035		1ST ENCOUNTERED GROUNDWATER: NA
LOGGED BY: P. SKEATH	SURFACE: CONCRETE		STATIC GROUNDWATER: NA

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									10" CONCRETE	
									2" BASE	
			9:32		HA35-S-0.5	0.3	CH		SILTY CLAY; DARK BROWN; MEDIUM STIFF; MOIST; HIGH PLASTICITY; BLACK STAINING	
1										
			9:34		HA35-S-1.5	0.3	CH		SILTY CLAY; DARK BROWN; MEDIUM STIFF; MOIST; HIGH PLASTICITY; BLACK STAINING	
2										
3			9:36		HA35-S-3	0.5	CH		SILTY CLAY; DARK BROWN; MEDIUM STIFF; MOIST; HIGH PLASTICITY; BLACK STAINING	
4										

BORING TERMINATED AT 4' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA36

SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.: 045.00349
DATE(S) DRILLED: 7/9/19	START: 13:10	END: 13:30	BORING DIAMETER: 3"
DRILLING METHOD: --	DRILLING RIG: HAND AUGER		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: MDP	SAMPLING METHOD: 4OZ JARS/5035		1ST ENCOUNTERED GROUNDWATER: NA
LOGGED BY: P. SKEATH	SURFACE: ASPHALT		STATIC GROUNDWATER: NA

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									3" ASPHALT	
			13:12		HA36-S-0.5	0.0	ML		CLAYEY SILT; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	
1										
			13:14		HA36-S-1.5	0.0	ML		CLAYEY SILT; BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY	
2										
3			13:16		HA36-S-3	0.0	CL		SILTY CLAY; BROWN; MEDIUM STIFF; MOIST; MEDIUM PLASTICITY	

BORING TERMINATED AT 3' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING HA37

PAGE 1 OF 1

SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			PROJECT NO.: 045.00349
DATE(S) DRILLED: 7/9/19	START: 13:40	END: 13:55	BORING DIAMETER: 3"
DRILLING METHOD: --	DRILLING RIG: HAND AUGER		TERMINAL DEPTH: 3' BGS
DRILLING CONTRACTOR: MDP	SAMPLING METHOD: 4OZ JARS/5035		1ST ENCOUNTERED GROUNDWATER: NA
LOGGED BY: P. SKEATH	SURFACE: ASPHALT		STATIC GROUNDWATER: NA

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									3" ASPHALT	
			13:42		HA37-S-0.5	0.0	CH		CLAY WITH SILT; DARK BROWN; MEDIUM STIFF; MOIST; HIGH PLASTICITY	
1			13:44		HA37-S-1.5	0.0	ML		GRAVELY SILT WITH CLAY; FINE GRAVEL LIGHT BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY;	
2										
3			13:46		HA37-S-3	0.0	ML		GRAVELY SILT WITH CLAY; FINE GRAVEL LIGHT BROWN; MEDIUM STIFF; MOIST; LOW PLASTICITY;	

BORING TERMINATED AT 3' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING B9A

SITE ADDRESS:	5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			*PROJECT NO.:*	045.00349
DATE(S) DRILLED:	7/9/19	*START:* 12:30	*END:* 12:55	*BORING DIAMETER:*	3"
DRILLING METHOD:	--	*DRILLING RIG:*	HAND AUGER	*TERMINAL DEPTH:*	3' BGS
DRILLING CONTRACTOR:	MDP	*SAMPLING METHOD:*	4OZ JARS/5035	*1ST ENCOUNTERED GROUNDWATER:*	NA
LOGGED BY:	P. SKEATH	*SURFACE:*	GRASS/ROOTS	*STATIC GROUNDWATER:*	NA

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									2" GRASS/ROOTS	
			12:32		B9A-S-0.5	0.4	ML		SANDY SILT; FINE TO MEDIUM GRAINED SAND; BROWN; MEDIUM STIFF; DRY; LOW PLASTICITY; SOME ROOTS	
1										
			12:34		B9A-S-1.5	0.3	ML		SANDY SILT; FINE TO MEDIUM GRAINED SAND; BROWN; MEDIUM STIFF; DRY; LOW PLASTICITY; SOME ROOTS	
2										
3			12:36		B9A-S-3	0.3	ML		SANDY SILT; FINE TO MEDIUM GRAINED SAND; BROWN; MEDIUM STIFF; DRY; LOW PLASTICITY; SOME ROOTS	

BORING TERMINATED AT 3' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

BORING B9B

SITE ADDRESS: 5461 WINNETKA AVE, WOODLAND HILLS, CA 91364			*PROJECT NO.:* 045.00349
DATE(S) DRILLED: 7/9/19	*START:* 12:55	*END:* 13:15	*BORING DIAMETER:* 3"
DRILLING METHOD: --	*DRILLING RIG:* HAND AUGER		*TERMINAL DEPTH:* 3' BGS
DRILLING CONTRACTOR: MDP	*SAMPLING METHOD:* 4OZ JARS/5035		*1ST ENCOUNTERED GROUNDWATER:* NA
LOGGED BY: P. SKEATH	*SURFACE:* GRASS/ROOTS		*STATIC GROUNDWATER:* NA

DEPTH (FEET)	R	SI	SAMPLE TIME	BLOW COUNT	SAMPLE ID	PID READING	USCS CLASS	LITHOLOGIC SYMBOL	DESCRIPTION	COMPLETION
									2" GRASS/ROOTS	
			12:57		B9B-S-0.5	0.2	ML		SANDY SILT; FINE TO MEDIUM GRAINED SAND; BROWN; MEDIUM STIFF; DRY; LOW PLASTICITY; SOME ROOTS	
1										
			12:59		B9B-S-1.5	0.1	ML		SANDY SILT; FINE TO MEDIUM GRAINED SAND; BROWN; MEDIUM STIFF; DRY; LOW PLASTICITY; SOME ROOTS	
2										
3			13:01		B9B-S-3	0.1	ML		SANDY SILT; FINE TO MEDIUM GRAINED SAND; BROWN; MEDIUM STIFF; DRY; LOW PLASTICITY; SOME ROOTS	

BORING TERMINATED AT 3' BGS; GROUNDWATER NOT ENCOUNTERED;

BGS : BELOW GROUND SURFACE

APPENDIX B

LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

ANALYTICAL REPORT

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

Laboratory Job ID: 570-1231-1
Client Project/Site: WH Taft HS

For:
EFI Global, Inc.
5261 West Imperial Highway
Los Angeles, California 90045

Attn: Desi Salgado

Authorized for release by:
7/25/2019 2:09:32 PM

Stephen Nowak, Project Manager I
(714)895-5494
stephennowak@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.

Table of Contents

Client: EFI Global, Inc. Job ID: 570-1231-1
Project/Site: WH Taft HS

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.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.

Metals

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

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

Job ID: 570-1231-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-1231-1

Comments
No additional comments.

Receipt
The samples were received on 7/9/2019 7:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.2º C, 2.4º C and 2.5º C.

Receipt Exceptions

All vials not labeled, label attach on bag only-EB1 (570-1231-36)

GC/MS VOA
Method(s) 8260B: The initial calibration curve analyzed in batch 570-5040 was outside acceptance criteria Bromomethane. Bromomethane RSD is 49% .

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 570-4737 and analytical batch 570-5069 recovered outside control limits for the following analytes: 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene and tert-Butylbenzene.
These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

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

GC/MS Semi VOA
Method(s) 8270C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 570-4301 and analytical batch 570-5257 recovered outside control limits for the following analytes: Acenaphthylene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

GC VOA
Method(s) 8015B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 570-4478 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample and laboratory control sample duplicate (LCS/LCSD) recoveries were within acceptance limits.

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

GC Semi VOA
Method(s) 8081A: The DCB Decachlorobiphenyl (Surr) recovery for the following samples was outside acceptance limits (low biased) on the primary for ending CCV : (CCV 570-4989/18). The recovery is within acceptance limits on the secondary column.

Method(s) 8082: The laboratory control sample (LCS) for preparation batch 570-4445 and analytical batch 570-5073 recovered outside control limits for the following analytes: < PCB-1016 >. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

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

Organic Prep
Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Job ID: 570-1231-1 (Continued)

Laboratory: Eurofins Calscience LLC (Continued)

preparation batch 570-4301.LCS/LCSD performed for QC requirements. 8270. OAJ3

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-4445.LCS/LCSD performed to meet QC requirements. 8081/8082. OAJ3.

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: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

Client Sample ID: HA2-0.5 — Lab Sample ID: 570-1231-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dimethyl phthalate	0.68		0.50		mg/Kg	1		8270C	Total/NA
C25-C28	5.4		5.0		mg/Kg	1		8015B	Total/NA
C29-C32	8.9		5.0		mg/Kg	1		8015B	Total/NA
C33-C36	6.5		5.0		mg/Kg	1		8015B	Total/NA
Lead	2.37		0.505		mg/Kg	1		6010B	Total/NA
Arsenic	3.63		1.01		mg/Kg	20		6020	Total/NA

Client Sample ID: HA3-0.5 — Lab Sample ID: 570-1231-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Lead	14.2		0.505		mg/Kg	1		6010B	Total/NA
Arsenic	4.18		1.01		mg/Kg	20		6020	Total/NA

Client Sample ID: HA4-0.5 — Lab Sample ID: 570-1231-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
C29-C32	8.0		5.0		mg/Kg	1		8015B	Total/NA
C33-C36	7.1		5.0		mg/Kg	1		8015B	Total/NA
C37-C40	6.0		5.0		mg/Kg	1		8015B	Total/NA
Lead	3.05		0.500		mg/Kg	1		6010B	Total/NA
Arsenic	5.52		1.02		mg/Kg	20		6020	Total/NA

Client Sample ID: HA5-0.5 — Lab Sample ID: 570-1231-10

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dimethyl phthalate	0.78		0.49		mg/Kg	1		8270C	Total/NA
Lead	3.35		0.483		mg/Kg	1		6010B	Total/NA
Arsenic	4.60		0.966		mg/Kg	20		6020	Total/NA

Client Sample ID: HA7-0.5 — Lab Sample ID: 570-1231-12

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
C23-C24	16		9.9		mg/Kg	2		8015B	Total/NA
C25-C28	70		9.9		mg/Kg	2		8015B	Total/NA
C29-C32	120		9.9		mg/Kg	2		8015B	Total/NA
C33-C36	83		9.9		mg/Kg	2		8015B	Total/NA
C37-C40	55		9.9		mg/Kg	2		8015B	Total/NA
C41-C44	25		9.9		mg/Kg	2		8015B	Total/NA
Lead	3.95		0.508		mg/Kg	1		6010B	Total/NA
Arsenic	6.77		0.966		mg/Kg	20		6020	Total/NA

Client Sample ID: HA8-0.5 — Lab Sample ID: 570-1231-15

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dimethyl phthalate	0.73		0.49		mg/Kg	1		8270C	Total/NA
C25-C28	6.1		5.0		mg/Kg	1		8015B	Total/NA
C29-C32	12		5.0		mg/Kg	1		8015B	Total/NA
C33-C36	11		5.0		mg/Kg	1		8015B	Total/NA
C37-C40	9.1		5.0		mg/Kg	1		8015B	Total/NA
Lead	2.65		0.481		mg/Kg	1		6010B	Total/NA
Arsenic	4.86		0.985		mg/Kg	20		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: EFI Global, Inc. Job ID: 570-1231-1
Project/Site: WH Taft HS

Client Sample ID: HA9-0.5 Lab Sample ID: 570-1231-18

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
C25-C28	70		50		mg/Kg	10		8015B	Total/NA
C29-C32	140		50		mg/Kg	10		8015B	Total/NA
C33-C36	120		50		mg/Kg	10		8015B	Total/NA
C37-C40	99		50		mg/Kg	10		8015B	Total/NA
C41-C44	51		50		mg/Kg	10		8015B	Total/NA
Lead	17.2		0.505		mg/Kg	1		6010B	Total/NA
Arsenic	5.59		0.976		mg/Kg	20		6020	Total/NA

Client Sample ID: HA10-0.5 Lab Sample ID: 570-1231-21

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
C25-C28	7.7		5.0		mg/Kg	1		8015B	Total/NA
C29-C32	14		5.0		mg/Kg	1		8015B	Total/NA
C33-C36	11		5.0		mg/Kg	1		8015B	Total/NA
C37-C40	8.3		5.0		mg/Kg	1		8015B	Total/NA
Lead	4.71		0.493		mg/Kg	1		6010B	Total/NA
Arsenic	1.17		0.971		mg/Kg	20		6020	Total/NA

Client Sample ID: HA11-0.5 Lab Sample ID: 570-1231-24

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	46		41		ug/Kg	1		8260B	Total/NA
C25-C28	6.0		4.9		mg/Kg	1		8015B	Total/NA
C29-C32	11		4.9		mg/Kg	1		8015B	Total/NA
C33-C36	9.6		4.9		mg/Kg	1		8015B	Total/NA
C37-C40	7.5		4.9		mg/Kg	1		8015B	Total/NA
Lead	2.60		0.505		mg/Kg	1		6010B	Total/NA

Client Sample ID: HA12-0.5 Lab Sample ID: 570-1231-27

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dimethyl phthalate	0.55		0.50		mg/Kg	1		8270C	Total/NA
Lead	1.68		0.498		mg/Kg	1		6010B	Total/NA

Client Sample ID: HA13-0.5 Lab Sample ID: 570-1231-30

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dimethyl phthalate	0.60		0.50		mg/Kg	1		8270C	Total/NA
Lead	3.04		0.495		mg/Kg	1		6010B	Total/NA
Arsenic	4.49		0.976		mg/Kg	20		6020	Total/NA

Client Sample ID: HA14-0.5 Lab Sample ID: 570-1231-33

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dimethyl phthalate	0.66		0.50		mg/Kg	1		8270C	Total/NA
C29-C32	6.0		5.0		mg/Kg	1		8015B	Total/NA
Lead	1.45		0.490		mg/Kg	1		6010B	Total/NA

Client Sample ID: EB1 Lab Sample ID: 570-1231-36

No Detections.

This Detection Summary does not include radiochemical test results.

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

Client Sample ID: HA2-0.5 **Lab Sample ID: 570-1231-1**
Date Collected: 07/08/19 09:32 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
1,1,1-Trichloroethane	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
1,1,2,2-Tetrachloroethane	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.5		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
1,1,2-Trichloroethane	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
1,1-Dichloroethane	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
1,1-Dichloroethene	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
1,1-Dichloropropene	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
1,2,3-Trichlorobenzene	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
1,2,3-Trichloropropane	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
1,2,4-Trichlorobenzene	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
1,2,4-Trimethylbenzene	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
1,2-Dibromo-3-Chloropropane	ND		9.5		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
1,2-Dibromoethane	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
1,2-Dichlorobenzene	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
1,2-Dichloroethane	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
1,2-Dichloropropane	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
1,3,5-Trimethylbenzene	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
1,3-Dichlorobenzene	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
1,3-Dichloropropane	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
1,4-Dichlorobenzene	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
2,2-Dichloropropane	ND		4.7		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
2-Butanone	ND		19		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
1,4-Dioxane	ND		95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
2-Chlorotoluene	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
2-Hexanone	ND		19		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
4-Chlorotoluene	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
4-Methyl-2-pentanone	ND		19		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Acetone	ND		47		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Benzene	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Bromobenzene	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Bromochloromethane	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Bromodichloromethane	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Bromoform	ND		4.7		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Bromomethane	ND		19		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
cis-1,2-Dichloroethene	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
cis-1,3-Dichloropropene	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Carbon disulfide	ND		9.5		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Carbon tetrachloride	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Chlorobenzene	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Chloroethane	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Chloroform	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Chloromethane	ND		19		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Dibromochloromethane	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Dibromomethane	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Dichlorodifluoromethane	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Di-isopropyl ether (DIPE)	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Ethanol	ND		470		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Ethylbenzene	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1

Client Sample Results

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

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

Client Sample ID: HA2-0.5
Date Collected: 07/08/19 09:32
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Isopropylbenzene	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Methylene Chloride	ND		9.5		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Methyl-t-Butyl Ether (MTBE)	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Naphthalene	ND		9.5		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
n-Butylbenzene	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
N-Propylbenzene	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
o-Xylene	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
m,p-Xylene	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
p-Isopropyltoluene	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
sec-Butylbenzene	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Styrene	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
trans-1,2-Dichloroethene	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
trans-1,3-Dichloropropene	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Tert-amyl-methyl ether (TAME)	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
tert-Butyl alcohol (TBA)	ND		19		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
tert-Butylbenzene	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Tetrachloroethene	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Toluene	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Trichloroethene	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Trichlorofluoromethane	ND		9.5		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Vinyl acetate	ND		9.5		ug/Kg		07/12/19 10:16	07/12/19 18:51	1
Vinyl chloride	ND		0.95		ug/Kg		07/12/19 10:16	07/12/19 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*71 - 155*	*07/12/19 10:16*	*07/12/19 18:51*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*	*07/12/19 10:16*	*07/12/19 18:51*	*1*
Dibromofluoromethane	*102*		*79 - 133*	*07/12/19 10:16*	*07/12/19 18:51*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/12/19 10:16*	*07/12/19 18:51*	*1*

Client Sample ID: HA3-0.5
Date Collected: 07/08/19 11:20
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 19:16	1
1,1,1-Trichloroethane	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 19:16	1
1,1,2,2-Tetrachloroethane	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 19:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0		ug/Kg		07/12/19 10:16	07/12/19 19:16	1
1,1,2-Trichloroethane	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 19:16	1
1,1-Dichloroethane	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 19:16	1
1,1-Dichloroethene	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 19:16	1
1,1-Dichloropropene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 19:16	1
1,2,3-Trichlorobenzene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 19:16	1
1,2,3-Trichloropropane	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 19:16	1
1,2,4-Trichlorobenzene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 19:16	1
1,2,4-Trimethylbenzene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 19:16	1
1,2-Dibromo-3-Chloropropane	ND		8.0		ug/Kg		07/12/19 10:16	07/12/19 19:16	1
1,2-Dibromoethane	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 19:16	1
1,2-Dichlorobenzene	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 19:16	1
1,2-Dichloroethane	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 19:16	1

Client Sample Results

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

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

Client Sample ID: HA3-0.5
Date Collected: 07/08/19 11:20
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-4
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
1,3,5-Trimethylbenzene	ND		1.6	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
1,3-Dichlorobenzene	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
1,3-Dichloropropane	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
1,4-Dichlorobenzene	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
2,2-Dichloropropane	ND		4.0	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
2-Butanone	ND		16	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
1,4-Dioxane	ND		80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
2-Chlorotoluene	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
2-Hexanone	ND		16	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
4-Chlorotoluene	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
4-Methyl-2-pentanone	ND		16	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Acetone	ND		40	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Benzene	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Bromobenzene	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Bromochloromethane	ND		1.6	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Bromodichloromethane	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Bromoform	ND		4.0	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Bromomethane	ND		16	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
cis-1,2-Dichloroethene	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
cis-1,3-Dichloropropene	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Carbon disulfide	ND		8.0	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Carbon tetrachloride	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Chlorobenzene	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Chloroethane	ND		1.6	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Chloroform	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Chloromethane	ND		16	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Dibromochloromethane	ND		1.6	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Dibromomethane	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Dichlorodifluoromethane	ND		1.6	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Di-isopropyl ether (DIPE)	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Ethanol	ND		400	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Ethylbenzene	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Ethyl-t-butyl ether (ETBE)	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Isopropylbenzene	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Methylene Chloride	ND		8.0	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Methyl-t-Butyl Ether (MTBE)	ND		1.6	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Naphthalene	ND		8.0	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
n-Butylbenzene	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
N-Propylbenzene	ND		1.6	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
o-Xylene	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
m,p-Xylene	ND		1.6	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
p-Isopropyltoluene	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
sec-Butylbenzene	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Styrene	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
trans-1,2-Dichloroethene	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
trans-1,3-Dichloropropene	ND		1.6	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Tert-amyl-methyl ether (TAME)	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
tert-Butyl alcohol (TBA)	ND		16	ug/Kg		07/12/19 10:16	07/12/19 19:16	1

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

Client Sample ID: HA3-0.5
Date Collected: 07/08/19 11:20
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-4
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Tetrachloroethene	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Toluene	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Trichloroethene	ND		1.6	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Trichlorofluoromethane	ND		8.0	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Vinyl acetate	ND		8.0	ug/Kg		07/12/19 10:16	07/12/19 19:16	1
Vinyl chloride	ND		0.80	ug/Kg		07/12/19 10:16	07/12/19 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*71 - 155*	*07/12/19 10:16*	*07/12/19 19:16*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*	*07/12/19 10:16*	*07/12/19 19:16*	*1*
Dibromofluoromethane	*108*		*79 - 133*	*07/12/19 10:16*	*07/12/19 19:16*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/12/19 10:16*	*07/12/19 19:16*	*1*

Client Sample ID: HA4-0.5
Date Collected: 07/08/19 10:42
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-7
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.85	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
1,1,1-Trichloroethane	ND		0.85	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
1,1,2,2-Tetrachloroethane	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.5	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
1,1,2-Trichloroethane	ND		0.85	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
1,1-Dichloroethane	ND		0.85	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
1,1-Dichloroethene	ND		0.85	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
1,1-Dichloropropene	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
1,2,3-Trichlorobenzene	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
1,2,3-Trichloropropane	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
1,2,4-Trichlorobenzene	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
1,2,4-Trimethylbenzene	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
1,2-Dibromo-3-Chloropropane	ND		8.5	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
1,2-Dibromoethane	ND		0.85	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
1,2-Dichlorobenzene	ND		0.85	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
1,2-Dichloroethane	ND		0.85	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
1,2-Dichloropropane	ND		0.85	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
1,3,5-Trimethylbenzene	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
1,3-Dichlorobenzene	ND		0.85	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
1,3-Dichloropropane	ND		0.85	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
1,4-Dichlorobenzene	ND		0.85	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
2,2-Dichloropropane	ND		4.3	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
2-Butanone	ND		17	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
1,4-Dioxane	ND		85	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
2-Chlorotoluene	ND		0.85	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
2-Hexanone	ND		17	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
4-Chlorotoluene	ND		0.85	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
4-Methyl-2-pentanone	ND		17	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Acetone	ND		43	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Benzene	ND		0.85	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Bromobenzene	ND		0.85	ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Bromochloromethane	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 19:42	1

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

Client Sample ID: HA4-0.5 **Lab Sample ID: 570-1231-7**
Date Collected: 07/08/19 10:42 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.85		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Bromoform	ND		4.3		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Bromomethane	ND		17		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
cis-1,2-Dichloroethene	ND		0.85		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
cis-1,3-Dichloropropene	ND		0.85		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Carbon disulfide	ND		8.5		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Carbon tetrachloride	ND		0.85		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Chlorobenzene	ND		0.85		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Chloroethane	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Chloroform	ND		0.85		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Chloromethane	ND		17		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Dibromochloromethane	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Dibromomethane	ND		0.85		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Dichlorodifluoromethane	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Di-isopropyl ether (DIPE)	ND		0.85		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Ethanol	ND		430		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Ethylbenzene	ND		0.85		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Ethyl-t-butyl ether (ETBE)	ND		0.85		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Isopropylbenzene	ND		0.85		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Methylene Chloride	ND		8.5		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Methyl-t-Butyl Ether (MTBE)	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Naphthalene	ND		8.5		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
n-Butylbenzene	ND		0.85		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
N-Propylbenzene	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
o-Xylene	ND		0.85		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
m,p-Xylene	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
p-Isopropyltoluene	ND		0.85		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
sec-Butylbenzene	ND		0.85		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Styrene	ND		0.85		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
trans-1,2-Dichloroethene	ND		0.85		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
trans-1,3-Dichloropropene	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Tert-amyl-methyl ether (TAME)	ND		0.85		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
tert-Butyl alcohol (TBA)	ND		17		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
tert-Butylbenzene	ND		0.85		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Tetrachloroethene	ND		0.85		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Toluene	ND		0.85		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Trichloroethene	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Trichlorofluoromethane	ND		8.5		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Vinyl acetate	ND		8.5		ug/Kg		07/12/19 10:16	07/12/19 19:42	1
Vinyl chloride	ND		0.85		ug/Kg		07/12/19 10:16	07/12/19 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*71 - 155*	*07/12/19 10:16*	*07/12/19 19:42*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*	*07/12/19 10:16*	*07/12/19 19:42*	*1*
Dibromofluoromethane	*109*		*79 - 133*	*07/12/19 10:16*	*07/12/19 19:42*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*07/12/19 10:16*	*07/12/19 19:42*	*1*

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

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

Client Sample ID: HA5-0.5
Date Collected: 07/08/19 14:02
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-10
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
1,1,1-Trichloroethane	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
1,1,2,2-Tetrachloroethane	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.6	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
1,1,2-Trichloroethane	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
1,1-Dichloroethane	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
1,1-Dichloroethene	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
1,1-Dichloropropene	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
1,2,3-Trichlorobenzene	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
1,2,3-Trichloropropane	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
1,2,4-Trichlorobenzene	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
1,2,4-Trimethylbenzene	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
1,2-Dibromo-3-Chloropropane	ND		8.6	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
1,2-Dibromoethane	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
1,2-Dichlorobenzene	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
1,2-Dichloroethane	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
1,2-Dichloropropane	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
1,3,5-Trimethylbenzene	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
1,3-Dichlorobenzene	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
1,3-Dichloropropane	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
1,4-Dichlorobenzene	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
2,2-Dichloropropane	ND		4.3	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
2-Butanone	ND		17	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
1,4-Dioxane	ND		86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
2-Chlorotoluene	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
2-Hexanone	ND		17	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
4-Chlorotoluene	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
4-Methyl-2-pentanone	ND		17	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Acetone	ND		43	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Benzene	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Bromobenzene	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Bromochloromethane	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Bromodichloromethane	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Bromoform	ND		4.3	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Bromomethane	ND		17	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
cis-1,2-Dichloroethene	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
cis-1,3-Dichloropropene	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Carbon disulfide	ND		8.6	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Carbon tetrachloride	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Chlorobenzene	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Chloroethane	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Chloroform	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Chloromethane	ND		17	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Dibromochloromethane	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Dibromomethane	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Dichlorodifluoromethane	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Di-isopropyl ether (DIPE)	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Ethanol	ND		430	ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Ethylbenzene	ND		0.86	ug/Kg		07/12/19 10:16	07/12/19 20:07	1

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

Client Sample ID: HA5-0.5
Lab Sample ID: 570-1231-10
Date Collected: 07/08/19 14:02
Matrix: Solid
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		0.86		ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Isopropylbenzene	ND		0.86		ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Methylene Chloride	ND		8.6		ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Methyl-t-Butyl Ether (MTBE)	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Naphthalene	ND		8.6		ug/Kg		07/12/19 10:16	07/12/19 20:07	1
n-Butylbenzene	ND		0.86		ug/Kg		07/12/19 10:16	07/12/19 20:07	1
N-Propylbenzene	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 20:07	1
o-Xylene	ND		0.86		ug/Kg		07/12/19 10:16	07/12/19 20:07	1
m,p-Xylene	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 20:07	1
p-Isopropyltoluene	ND		0.86		ug/Kg		07/12/19 10:16	07/12/19 20:07	1
sec-Butylbenzene	ND		0.86		ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Styrene	ND		0.86		ug/Kg		07/12/19 10:16	07/12/19 20:07	1
trans-1,2-Dichloroethene	ND		0.86		ug/Kg		07/12/19 10:16	07/12/19 20:07	1
trans-1,3-Dichloropropene	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Tert-amyl-methyl ether (TAME)	ND		0.86		ug/Kg		07/12/19 10:16	07/12/19 20:07	1
tert-Butyl alcohol (TBA)	ND		17		ug/Kg		07/12/19 10:16	07/12/19 20:07	1
tert-Butylbenzene	ND		0.86		ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Tetrachloroethene	ND		0.86		ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Toluene	ND		0.86		ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Trichloroethene	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Trichlorofluoromethane	ND		8.6		ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Vinyl acetate	ND		8.6		ug/Kg		07/12/19 10:16	07/12/19 20:07	1
Vinyl chloride	ND		0.86		ug/Kg		07/12/19 10:16	07/12/19 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*71 - 155*	*07/12/19 10:16*	*07/12/19 20:07*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*	*07/12/19 10:16*	*07/12/19 20:07*	*1*
Dibromofluoromethane	*110*		*79 - 133*	*07/12/19 10:16*	*07/12/19 20:07*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*07/12/19 10:16*	*07/12/19 20:07*	*1*

Client Sample ID: HA7-0.5
Lab Sample ID: 570-1231-12
Date Collected: 07/08/19 13:27
Matrix: Solid
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
1,1,1-Trichloroethane	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
1,1,2,2-Tetrachloroethane	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.3		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
1,1,2-Trichloroethane	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
1,1-Dichloroethane	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
1,1-Dichloroethene	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
1,1-Dichloropropene	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
1,2,3-Trichlorobenzene	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
1,2,3-Trichloropropane	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
1,2,4-Trichlorobenzene	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
1,2,4-Trimethylbenzene	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
1,2-Dibromo-3-Chloropropane	ND		9.3		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
1,2-Dibromoethane	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
1,2-Dichlorobenzene	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
1,2-Dichloroethane	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1

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

Client Sample ID: HA7-0.5 **Lab Sample ID: 570-1231-12**
Date Collected: 07/08/19 13:27 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
1,3,5-Trimethylbenzene	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
1,3-Dichlorobenzene	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
1,3-Dichloropropane	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
1,4-Dichlorobenzene	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
2,2-Dichloropropane	ND		4.7		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
2-Butanone	ND		19		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
1,4-Dioxane	ND		93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
2-Chlorotoluene	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
2-Hexanone	ND		19		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
4-Chlorotoluene	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
4-Methyl-2-pentanone	ND		19		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Acetone	ND		47		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Benzene	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Bromobenzene	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Bromochloromethane	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Bromodichloromethane	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Bromoform	ND		4.7		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Bromomethane	ND		19		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
cis-1,2-Dichloroethene	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
cis-1,3-Dichloropropene	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Carbon disulfide	ND		9.3		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Carbon tetrachloride	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Chlorobenzene	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Chloroethane	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Chloroform	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Chloromethane	ND		19		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Dibromochloromethane	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Dibromomethane	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Dichlorodifluoromethane	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Di-isopropyl ether (DIPE)	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Ethanol	ND		470		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Ethylbenzene	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Ethyl-t-butyl ether (ETBE)	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Isopropylbenzene	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Methylene Chloride	ND		9.3		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Methyl-t-Butyl Ether (MTBE)	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Naphthalene	ND		9.3		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
n-Butylbenzene	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
N-Propylbenzene	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
o-Xylene	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
m,p-Xylene	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
p-Isopropyltoluene	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
sec-Butylbenzene	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Styrene	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
trans-1,2-Dichloroethene	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
trans-1,3-Dichloropropene	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Tert-amyl-methyl ether (TAME)	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
tert-Butyl alcohol (TBA)	ND		19		ug/Kg		07/12/19 10:16	07/12/19 20:33	1

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

Client Sample ID: HA7-0.5 **Lab Sample ID: 570-1231-12**
Date Collected: 07/08/19 13:27 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Tetrachloroethene	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Toluene	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Trichloroethene	ND		1.9		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Trichlorofluoromethane	ND		9.3		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Vinyl acetate	ND		9.3		ug/Kg		07/12/19 10:16	07/12/19 20:33	1
Vinyl chloride	ND		0.93		ug/Kg		07/12/19 10:16	07/12/19 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*71 - 155*	*07/12/19 10:16*	*07/12/19 20:33*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*	*07/12/19 10:16*	*07/12/19 20:33*	*1*
Dibromofluoromethane	*106*		*79 - 133*	*07/12/19 10:16*	*07/12/19 20:33*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*07/12/19 10:16*	*07/12/19 20:33*	*1*

Client Sample ID: HA8-0.5 **Lab Sample ID: 570-1231-15**
Date Collected: 07/08/19 09:02 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
1,1,1-Trichloroethane	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
1,1,2,2-Tetrachloroethane	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
1,1,2-Trichloroethane	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
1,1-Dichloroethane	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
1,1-Dichloroethene	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
1,1-Dichloropropene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
1,2,3-Trichlorobenzene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
1,2,3-Trichloropropane	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
1,2,4-Trichlorobenzene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
1,2,4-Trimethylbenzene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
1,2-Dibromo-3-Chloropropane	ND		8.0		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
1,2-Dibromoethane	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
1,2-Dichlorobenzene	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
1,2-Dichloroethane	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
1,2-Dichloropropane	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
1,3,5-Trimethylbenzene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
1,3-Dichlorobenzene	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
1,3-Dichloropropane	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
1,4-Dichlorobenzene	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
2,2-Dichloropropane	ND		4.0		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
2-Butanone	ND		16		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
1,4-Dioxane	ND		80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
2-Chlorotoluene	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
2-Hexanone	ND		16		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
4-Chlorotoluene	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
4-Methyl-2-pentanone	ND		16		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Acetone	ND		40		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Benzene	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Bromobenzene	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Bromochloromethane	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 20:59	1

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

Client Sample ID: HA8-0.5
Date Collected: 07/08/19 09:02
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-15
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Bromoform	ND		4.0		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Bromomethane	ND		16		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
cis-1,2-Dichloroethene	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
cis-1,3-Dichloropropene	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Carbon disulfide	ND		8.0		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Carbon tetrachloride	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Chlorobenzene	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Chloroethane	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Chloroform	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Chloromethane	ND		16		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Dibromochloromethane	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Dibromomethane	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Dichlorodifluoromethane	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Di-isopropyl ether (DIPE)	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Ethanol	ND		400		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Ethylbenzene	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Ethyl-t-butyl ether (ETBE)	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Isopropylbenzene	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Methylene Chloride	ND		8.0		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Methyl-t-Butyl Ether (MTBE)	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Naphthalene	ND		8.0		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
n-Butylbenzene	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
N-Propylbenzene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
o-Xylene	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
m,p-Xylene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
p-Isopropyltoluene	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
sec-Butylbenzene	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Styrene	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
trans-1,2-Dichloroethene	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
trans-1,3-Dichloropropene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Tert-amyl-methyl ether (TAME)	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
tert-Butyl alcohol (TBA)	ND		16		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
tert-Butylbenzene	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Tetrachloroethene	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Toluene	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Trichloroethene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Trichlorofluoromethane	ND		8.0		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Vinyl acetate	ND		8.0		ug/Kg		07/12/19 10:16	07/12/19 20:59	1
Vinyl chloride	ND		0.80		ug/Kg		07/12/19 10:16	07/12/19 20:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*71 - 155*	*07/12/19 10:16*	*07/12/19 20:59*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*	*07/12/19 10:16*	*07/12/19 20:59*	*1*
Dibromofluoromethane	*108*		*79 - 133*	*07/12/19 10:16*	*07/12/19 20:59*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*07/12/19 10:16*	*07/12/19 20:59*	*1*

Client Sample Results

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

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

Client Sample ID: HA9-0.5
Date Collected: 07/08/19 10:02
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-18
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
1,1,1-Trichloroethane	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
1,1,2,2-Tetrachloroethane	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.3		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
1,1,2-Trichloroethane	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
1,1-Dichloroethane	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
1,1-Dichloroethene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
1,1-Dichloropropene	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
1,2,3-Trichlorobenzene	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
1,2,3-Trichloropropane	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
1,2,4-Trichlorobenzene	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
1,2,4-Trimethylbenzene	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
1,2-Dibromo-3-Chloropropane	ND		8.3		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
1,2-Dibromoethane	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
1,2-Dichlorobenzene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
1,2-Dichloroethane	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
1,2-Dichloropropane	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
1,3,5-Trimethylbenzene	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
1,3-Dichlorobenzene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
1,3-Dichloropropane	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
1,4-Dichlorobenzene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
2,2-Dichloropropane	ND		4.2		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
2-Butanone	ND		17		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
1,4-Dioxane	ND		83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
2-Chlorotoluene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
2-Hexanone	ND		17		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
4-Chlorotoluene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
4-Methyl-2-pentanone	ND		17		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Acetone	ND		42		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Benzene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Bromobenzene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Bromochloromethane	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Bromodichloromethane	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Bromoform	ND		4.2		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Bromomethane	ND		17		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
cis-1,2-Dichloroethene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
cis-1,3-Dichloropropene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Carbon disulfide	ND		8.3		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Carbon tetrachloride	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Chlorobenzene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Chloroethane	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Chloroform	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Chloromethane	ND		17		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Dibromochloromethane	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Dibromomethane	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Dichlorodifluoromethane	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Di-isopropyl ether (DIPE)	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Ethanol	ND		420		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Ethylbenzene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1

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

Client Sample ID: HA9-0.5
Date Collected: 07/08/19 10:02
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-18
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Isopropylbenzene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Methylene Chloride	ND		8.3		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Methyl-t-Butyl Ether (MTBE)	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Naphthalene	ND		8.3		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
n-Butylbenzene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
N-Propylbenzene	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
o-Xylene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
m,p-Xylene	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
p-Isopropyltoluene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
sec-Butylbenzene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Styrene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
trans-1,2-Dichloroethene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
trans-1,3-Dichloropropene	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Tert-amyl-methyl ether (TAME)	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
tert-Butyl alcohol (TBA)	ND		17		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
tert-Butylbenzene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Tetrachloroethene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Toluene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Trichloroethene	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Trichlorofluoromethane	ND		8.3		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Vinyl acetate	ND		8.3		ug/Kg		07/12/19 10:16	07/12/19 21:24	1
Vinyl chloride	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*71 - 155*	*07/12/19 10:16*	*07/12/19 21:24*	*1*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*	*07/12/19 10:16*	*07/12/19 21:24*	*1*
Dibromofluoromethane	*107*		*79 - 133*	*07/12/19 10:16*	*07/12/19 21:24*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*07/12/19 10:16*	*07/12/19 21:24*	*1*

Client Sample ID: HA10-0.5
Date Collected: 07/08/19 12:10
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-21
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
1,1,1-Trichloroethane	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
1,1,2,2-Tetrachloroethane	ND		1.5		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.4		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
1,1,2-Trichloroethane	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
1,1-Dichloroethane	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
1,1-Dichloroethene	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
1,1-Dichloropropene	ND		1.5		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
1,2,3-Trichlorobenzene	ND		1.5		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
1,2,3-Trichloropropane	ND		1.5		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
1,2,4-Trichlorobenzene	ND		1.5		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
1,2,4-Trimethylbenzene	ND		1.5		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
1,2-Dibromo-3-Chloropropane	ND		7.4		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
1,2-Dibromoethane	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
1,2-Dichlorobenzene	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
1,2-Dichloroethane	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1

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

Client Sample ID: HA10-0.5
Lab Sample ID: 570-1231-21
Date Collected: 07/08/19 12:10
Matrix: Solid
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
1,3,5-Trimethylbenzene	ND		1.5		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
1,3-Dichlorobenzene	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
1,3-Dichloropropane	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
1,4-Dichlorobenzene	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
2,2-Dichloropropane	ND		3.7		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
2-Butanone	ND		15		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
1,4-Dioxane	ND		74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
2-Chlorotoluene	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
2-Hexanone	ND		15		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
4-Chlorotoluene	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
4-Methyl-2-pentanone	ND		15		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Acetone	ND		37		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Benzene	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Bromobenzene	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Bromochloromethane	ND		1.5		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Bromodichloromethane	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Bromoform	ND		3.7		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Bromomethane	ND		15		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
cis-1,2-Dichloroethene	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
cis-1,3-Dichloropropene	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Carbon disulfide	ND		7.4		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Carbon tetrachloride	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Chlorobenzene	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Chloroethane	ND		1.5		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Chloroform	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Chloromethane	ND		15		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Dibromochloromethane	ND		1.5		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Dibromomethane	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Dichlorodifluoromethane	ND		1.5		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Di-isopropyl ether (DIPE)	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Ethanol	ND		370		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Ethylbenzene	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Ethyl-t-butyl ether (ETBE)	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Isopropylbenzene	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Methylene Chloride	ND		7.4		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Methyl-t-Butyl Ether (MTBE)	ND		1.5		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Naphthalene	ND		7.4		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
n-Butylbenzene	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
N-Propylbenzene	ND		1.5		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
o-Xylene	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
m,p-Xylene	ND		1.5		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
p-Isopropyltoluene	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
sec-Butylbenzene	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Styrene	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
trans-1,2-Dichloroethene	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
trans-1,3-Dichloropropene	ND		1.5		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Tert-amyl-methyl ether (TAME)	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
tert-Butyl alcohol (TBA)	ND		15		ug/Kg		07/12/19 10:16	07/12/19 21:49	1

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

Client Sample ID: HA10-0.5 **Lab Sample ID: 570-1231-21**
Date Collected: 07/08/19 12:10 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Tetrachloroethene	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Toluene	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Trichloroethene	ND		1.5		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Trichlorofluoromethane	ND		7.4		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Vinyl acetate	ND		7.4		ug/Kg		07/12/19 10:16	07/12/19 21:49	1
Vinyl chloride	ND		0.74		ug/Kg		07/12/19 10:16	07/12/19 21:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*71 - 155*	*07/12/19 10:16*	*07/12/19 21:49*	*1*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*	*07/12/19 10:16*	*07/12/19 21:49*	*1*
Dibromofluoromethane	*108*		*79 - 133*	*07/12/19 10:16*	*07/12/19 21:49*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*07/12/19 10:16*	*07/12/19 21:49*	*1*

Client Sample ID: HA11-0.5 **Lab Sample ID: 570-1231-24**
Date Collected: 07/08/19 12:27 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
1,1,1-Trichloroethane	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
1,1,2,2-Tetrachloroethane	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.1		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
1,1,2-Trichloroethane	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
1,1-Dichloroethane	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
1,1-Dichloroethene	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
1,1-Dichloropropene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
1,2,3-Trichlorobenzene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
1,2,3-Trichloropropane	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
1,2,4-Trichlorobenzene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
1,2,4-Trimethylbenzene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
1,2-Dibromo-3-Chloropropane	ND		8.1		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
1,2-Dibromoethane	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
1,2-Dichlorobenzene	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
1,2-Dichloroethane	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
1,2-Dichloropropane	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
1,3,5-Trimethylbenzene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
1,3-Dichlorobenzene	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
1,3-Dichloropropane	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
1,4-Dichlorobenzene	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
2,2-Dichloropropane	ND		4.1		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
2-Butanone	ND		16		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
1,4-Dioxane	ND		81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
2-Chlorotoluene	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
2-Hexanone	ND		16		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
4-Chlorotoluene	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
4-Methyl-2-pentanone	ND		16		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Acetone	**46**		41		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Benzene	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Bromobenzene	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Bromochloromethane	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:14	1

Client Sample Results

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

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

Client Sample ID: HA11-0.5
Date Collected: 07/08/19 12:27
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-24
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Bromoform	ND		4.1		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Bromomethane	ND		16		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
cis-1,2-Dichloroethene	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
cis-1,3-Dichloropropene	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Carbon disulfide	ND		8.1		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Carbon tetrachloride	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Chlorobenzene	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Chloroethane	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Chloroform	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Chloromethane	ND		16		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Dibromochloromethane	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Dibromomethane	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Dichlorodifluoromethane	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Di-isopropyl ether (DIPE)	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Ethanol	ND		410		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Ethylbenzene	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Ethyl-t-butyl ether (ETBE)	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Isopropylbenzene	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Methylene Chloride	ND		8.1		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Methyl-t-Butyl Ether (MTBE)	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Naphthalene	ND		8.1		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
n-Butylbenzene	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
N-Propylbenzene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
o-Xylene	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
m,p-Xylene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
p-Isopropyltoluene	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
sec-Butylbenzene	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Styrene	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
trans-1,2-Dichloroethene	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
trans-1,3-Dichloropropene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Tert-amyl-methyl ether (TAME)	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
tert-Butyl alcohol (TBA)	ND		16		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
tert-Butylbenzene	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Tetrachloroethene	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Toluene	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Trichloroethene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Trichlorofluoromethane	ND		8.1		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Vinyl acetate	ND		8.1		ug/Kg		07/12/19 10:16	07/12/19 22:14	1
Vinyl chloride	ND		0.81		ug/Kg		07/12/19 10:16	07/12/19 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*71 - 155*	*07/12/19 10:16*	*07/12/19 22:14*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*	*07/12/19 10:16*	*07/12/19 22:14*	*1*
Dibromofluoromethane	*107*		*79 - 133*	*07/12/19 10:16*	*07/12/19 22:14*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/12/19 10:16*	*07/12/19 22:14*	*1*

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

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

Client Sample ID: HA12-0.5
Date Collected: 07/08/19 14:42
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-27
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
1,1,1-Trichloroethane	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
1,1,2,2-Tetrachloroethane	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.2		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
1,1,2-Trichloroethane	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
1,1-Dichloroethane	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
1,1-Dichloroethene	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
1,1-Dichloropropene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
1,2,3-Trichlorobenzene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
1,2,3-Trichloropropane	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
1,2,4-Trichlorobenzene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
1,2,4-Trimethylbenzene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
1,2-Dibromo-3-Chloropropane	ND		8.2		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
1,2-Dibromoethane	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
1,2-Dichlorobenzene	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
1,2-Dichloroethane	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
1,2-Dichloropropane	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
1,3,5-Trimethylbenzene	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
1,3-Dichlorobenzene	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
1,3-Dichloropropane	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
1,4-Dichlorobenzene	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
2,2-Dichloropropane	ND		4.1		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
2-Butanone	ND		16		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
1,4-Dioxane	ND		82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
2-Chlorotoluene	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
2-Hexanone	ND		16		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
4-Chlorotoluene	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
4-Methyl-2-pentanone	ND		16		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Acetone	ND		41		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Benzene	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Bromobenzene	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Bromochloromethane	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Bromodichloromethane	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Bromoform	ND		4.1		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Bromomethane	ND		16		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
cis-1,2-Dichloroethene	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
cis-1,3-Dichloropropene	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Carbon disulfide	ND		8.2		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Carbon tetrachloride	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Chlorobenzene	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Chloroethane	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Chloroform	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Chloromethane	ND		16		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Dibromochloromethane	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Dibromomethane	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Dichlorodifluoromethane	ND		1.6		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Di-isopropyl ether (DIPE)	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Ethanol	ND		410		ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Ethylbenzene	ND		0.82		ug/Kg		07/12/19 10:16	07/12/19 22:39	1

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

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

Client Sample ID: HA12-0.5
Date Collected: 07/08/19 14:42
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-27
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		0.82	ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Isopropylbenzene	ND		0.82	ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Methylene Chloride	ND		8.2	ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Methyl-t-Butyl Ether (MTBE)	ND		1.6	ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Naphthalene	ND		8.2	ug/Kg		07/12/19 10:16	07/12/19 22:39	1
n-Butylbenzene	ND		0.82	ug/Kg		07/12/19 10:16	07/12/19 22:39	1
N-Propylbenzene	ND		1.6	ug/Kg		07/12/19 10:16	07/12/19 22:39	1
o-Xylene	ND		0.82	ug/Kg		07/12/19 10:16	07/12/19 22:39	1
m,p-Xylene	ND		1.6	ug/Kg		07/12/19 10:16	07/12/19 22:39	1
p-Isopropyltoluene	ND		0.82	ug/Kg		07/12/19 10:16	07/12/19 22:39	1
sec-Butylbenzene	ND		0.82	ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Styrene	ND		0.82	ug/Kg		07/12/19 10:16	07/12/19 22:39	1
trans-1,2-Dichloroethene	ND		0.82	ug/Kg		07/12/19 10:16	07/12/19 22:39	1
trans-1,3-Dichloropropene	ND		1.6	ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Tert-amyl-methyl ether (TAME)	ND		0.82	ug/Kg		07/12/19 10:16	07/12/19 22:39	1
tert-Butyl alcohol (TBA)	ND		16	ug/Kg		07/12/19 10:16	07/12/19 22:39	1
tert-Butylbenzene	ND		0.82	ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Tetrachloroethene	ND		0.82	ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Toluene	ND		0.82	ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Trichloroethene	ND		1.6	ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Trichlorofluoromethane	ND		8.2	ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Vinyl acetate	ND		8.2	ug/Kg		07/12/19 10:16	07/12/19 22:39	1
Vinyl chloride	ND		0.82	ug/Kg		07/12/19 10:16	07/12/19 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*71 - 155*	*07/12/19 10:16*	*07/12/19 22:39*	*1*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*	*07/12/19 10:16*	*07/12/19 22:39*	*1*
Dibromofluoromethane	*109*		*79 - 133*	*07/12/19 10:16*	*07/12/19 22:39*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*07/12/19 10:16*	*07/12/19 22:39*	*1*

Client Sample ID: HA13-0.5
Date Collected: 07/08/19 12:55
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-30
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.83	ug/Kg		07/12/19 10:16	07/12/19 23:04	1
1,1,1-Trichloroethane	ND		0.83	ug/Kg		07/12/19 10:16	07/12/19 23:04	1
1,1,2,2-Tetrachloroethane	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 23:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.3	ug/Kg		07/12/19 10:16	07/12/19 23:04	1
1,1,2-Trichloroethane	ND		0.83	ug/Kg		07/12/19 10:16	07/12/19 23:04	1
1,1-Dichloroethane	ND		0.83	ug/Kg		07/12/19 10:16	07/12/19 23:04	1
1,1-Dichloroethene	ND		0.83	ug/Kg		07/12/19 10:16	07/12/19 23:04	1
1,1-Dichloropropene	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 23:04	1
1,2,3-Trichlorobenzene	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 23:04	1
1,2,3-Trichloropropane	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 23:04	1
1,2,4-Trichlorobenzene	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 23:04	1
1,2,4-Trimethylbenzene	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 23:04	1
1,2-Dibromo-3-Chloropropane	ND		8.3	ug/Kg		07/12/19 10:16	07/12/19 23:04	1
1,2-Dibromoethane	ND		0.83	ug/Kg		07/12/19 10:16	07/12/19 23:04	1
1,2-Dichlorobenzene	ND		0.83	ug/Kg		07/12/19 10:16	07/12/19 23:04	1
1,2-Dichloroethane	ND		0.83	ug/Kg		07/12/19 10:16	07/12/19 23:04	1

Client: EFI Global, Inc. Job ID: 570-1231-1
Project/Site: WH Taft HS

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

Client Sample ID: HA13-0.5 **Lab Sample ID: 570-1231-30**
Date Collected: 07/08/19 12:55 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
1,3,5-Trimethylbenzene	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
1,3-Dichlorobenzene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
1,3-Dichloropropane	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
1,4-Dichlorobenzene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
2,2-Dichloropropane	ND		4.2		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
2-Butanone	ND		17		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
1,4-Dioxane	ND		83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
2-Chlorotoluene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
2-Hexanone	ND		17		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
4-Chlorotoluene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
4-Methyl-2-pentanone	ND		17		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Acetone	ND		42		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Benzene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Bromobenzene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Bromochloromethane	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Bromodichloromethane	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Bromoform	ND		4.2		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Bromomethane	ND		17		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
cis-1,2-Dichloroethene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
cis-1,3-Dichloropropene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Carbon disulfide	ND		8.3		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Carbon tetrachloride	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Chlorobenzene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Chloroethane	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Chloroform	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Chloromethane	ND		17		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Dibromochloromethane	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Dibromomethane	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Dichlorodifluoromethane	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Di-isopropyl ether (DIPE)	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Ethanol	ND		420		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Ethylbenzene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Ethyl-t-butyl ether (ETBE)	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Isopropylbenzene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Methylene Chloride	ND		8.3		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Methyl-t-Butyl Ether (MTBE)	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Naphthalene	ND		8.3		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
n-Butylbenzene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
N-Propylbenzene	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
o-Xylene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
m,p-Xylene	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
p-Isopropyltoluene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
sec-Butylbenzene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Styrene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
trans-1,2-Dichloroethene	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
trans-1,3-Dichloropropene	ND		1.7		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Tert-amyl-methyl ether (TAME)	ND		0.83		ug/Kg		07/12/19 10:16	07/12/19 23:04	1
tert-Butyl alcohol (TBA)	ND		17		ug/Kg		07/12/19 10:16	07/12/19 23:04	1

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

Client Sample ID: HA13-0.5
Date Collected: 07/08/19 12:55
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-30
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		0.83	ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Tetrachloroethene	ND		0.83	ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Toluene	ND		0.83	ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Trichloroethene	ND		1.7	ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Trichlorofluoromethane	ND		8.3	ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Vinyl acetate	ND		8.3	ug/Kg		07/12/19 10:16	07/12/19 23:04	1
Vinyl chloride	ND		0.83	ug/Kg		07/12/19 10:16	07/12/19 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*71 - 155*	*07/12/19 10:16*	*07/12/19 23:04*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*	*07/12/19 10:16*	*07/12/19 23:04*	*1*
Dibromofluoromethane	*108*		*79 - 133*	*07/12/19 10:16*	*07/12/19 23:04*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/12/19 10:16*	*07/12/19 23:04*	*1*

Client Sample ID: HA14-0.5
Date Collected: 07/08/19 15:12
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-33
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.74	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
1,1,1-Trichloroethane	ND		0.74	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
1,1,2,2-Tetrachloroethane	ND		1.5	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.4	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
1,1,2-Trichloroethane	ND		0.74	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
1,1-Dichloroethane	ND		0.74	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
1,1-Dichloroethene	ND		0.74	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
1,1-Dichloropropene	ND		1.5	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
1,2,3-Trichlorobenzene	ND	*	1.5	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
1,2,3-Trichloropropane	ND		1.5	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
1,2,4-Trichlorobenzene	ND	*	1.5	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
1,2,4-Trimethylbenzene	ND		1.5	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
1,2-Dibromo-3-Chloropropane	ND		7.4	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
1,2-Dibromoethane	ND		0.74	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
1,2-Dichlorobenzene	ND		0.74	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
1,2-Dichloroethane	ND		0.74	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
1,2-Dichloropropane	ND		0.74	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
1,3,5-Trimethylbenzene	ND		1.5	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
1,3-Dichlorobenzene	ND		0.74	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
1,3-Dichloropropane	ND		0.74	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
1,4-Dichlorobenzene	ND		0.74	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
2,2-Dichloropropane	ND		3.7	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
2-Butanone	ND		15	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
1,4-Dioxane	ND		74	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
2-Chlorotoluene	ND		0.74	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
2-Hexanone	ND		15	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
4-Chlorotoluene	ND		0.74	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
4-Methyl-2-pentanone	ND		15	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Acetone	ND		37	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Benzene	ND		0.74	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Bromobenzene	ND		0.74	ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Bromochloromethane	ND		1.5	ug/Kg		07/12/19 10:16	07/13/19 23:57	1

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

Client Sample ID: HA14-0.5 **Lab Sample ID: 570-1231-33**
Date Collected: 07/08/19 15:12 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.74		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Bromoform	ND		3.7		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Bromomethane	ND		15		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
cis-1,2-Dichloroethene	ND		0.74		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
cis-1,3-Dichloropropene	ND		0.74		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Carbon disulfide	ND		7.4		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Carbon tetrachloride	ND		0.74		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Chlorobenzene	ND		0.74		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Chloroethane	ND		1.5		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Chloroform	ND		0.74		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Chloromethane	ND		15		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Dibromochloromethane	ND		1.5		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Dibromomethane	ND		0.74		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Dichlorodifluoromethane	ND		1.5		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Di-isopropyl ether (DIPE)	ND		0.74		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Ethanol	ND		370		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Ethylbenzene	ND		0.74		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Ethyl-t-butyl ether (ETBE)	ND		0.74		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Isopropylbenzene	ND		0.74		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Methylene Chloride	ND		7.4		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Methyl-t-Butyl Ether (MTBE)	ND		1.5		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Naphthalene	ND		7.4		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
n-Butylbenzene	ND		0.74		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
N-Propylbenzene	ND		1.5		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
o-Xylene	ND		0.74		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
m,p-Xylene	ND		1.5		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
p-Isopropyltoluene	ND		0.74		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
sec-Butylbenzene	ND		0.74		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Styrene	ND		0.74		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
trans-1,2-Dichloroethene	ND		0.74		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
trans-1,3-Dichloropropene	ND		1.5		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Tert-amyl-methyl ether (TAME)	ND		0.74		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
tert-Butyl alcohol (TBA)	ND		15		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
tert-Butylbenzene	ND	*	0.74		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Tetrachloroethene	ND		0.74		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Toluene	ND		0.74		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Trichloroethene	ND		1.5		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Trichlorofluoromethane	ND		7.4		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Vinyl acetate	ND		7.4		ug/Kg		07/12/19 10:16	07/13/19 23:57	1
Vinyl chloride	ND		0.74		ug/Kg		07/12/19 10:16	07/13/19 23:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*71 - 155*	*07/12/19 10:16*	*07/13/19 23:57*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*	*07/12/19 10:16*	*07/13/19 23:57*	*1*
Dibromofluoromethane	*106*		*79 - 133*	*07/12/19 10:16*	*07/13/19 23:57*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*07/12/19 10:16*	*07/13/19 23:57*	*1*

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

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

Client Sample ID: EB1
Date Collected: 07/08/19 16:00
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-36
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	ug/L			07/13/19 22:12	1
1,1,1-Trichloroethane	ND		1.0	ug/L			07/13/19 22:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L			07/13/19 22:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	ug/L			07/13/19 22:12	1
1,1,2-Trichloroethane	ND		1.0	ug/L			07/13/19 22:12	1
1,1-Dichloroethane	ND		1.0	ug/L			07/13/19 22:12	1
1,1-Dichloroethene	ND		1.0	ug/L			07/13/19 22:12	1
1,1-Dichloropropene	ND		1.0	ug/L			07/13/19 22:12	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			07/13/19 22:12	1
1,2,3-Trichloropropane	ND		5.0	ug/L			07/13/19 22:12	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			07/13/19 22:12	1
1,2,4-Trimethylbenzene	ND		1.0	ug/L			07/13/19 22:12	1
1,2-Dibromo-3-Chloropropane	ND		10	ug/L			07/13/19 22:12	1
1,2-Dibromoethane	ND		1.0	ug/L			07/13/19 22:12	1
1,2-Dichlorobenzene	ND		1.0	ug/L			07/13/19 22:12	1
1,2-Dichloroethane	ND		0.50	ug/L			07/13/19 22:12	1
1,2-Dichloropropane	ND		1.0	ug/L			07/13/19 22:12	1
1,3,5-Trimethylbenzene	ND		1.0	ug/L			07/13/19 22:12	1
1,3-Dichlorobenzene	ND		1.0	ug/L			07/13/19 22:12	1
1,3-Dichloropropane	ND		1.0	ug/L			07/13/19 22:12	1
1,4-Dichlorobenzene	ND		1.0	ug/L			07/13/19 22:12	1
2,2-Dichloropropane	ND		1.0	ug/L			07/13/19 22:12	1
2-Butanone	ND		20	ug/L			07/13/19 22:12	1
1,4-Dioxane	ND		100	ug/L			07/13/19 22:12	1
2-Chlorotoluene	ND		1.0	ug/L			07/13/19 22:12	1
2-Hexanone	ND		10	ug/L			07/13/19 22:12	1
4-Chlorotoluene	ND		1.0	ug/L			07/13/19 22:12	1
4-Methyl-2-pentanone	ND		10	ug/L			07/13/19 22:12	1
Acetone	ND		20	ug/L			07/13/19 22:12	1
Benzene	ND		1.0	ug/L			07/13/19 22:12	1
Bromobenzene	ND		1.0	ug/L			07/13/19 22:12	1
Bromochloromethane	ND		2.0	ug/L			07/13/19 22:12	1
Bromodichloromethane	ND		1.0	ug/L			07/13/19 22:12	1
Bromoform	ND		5.0	ug/L			07/13/19 22:12	1
Bromomethane	ND		50	ug/L			07/13/19 22:12	1
cis-1,2-Dichloroethene	ND		1.0	ug/L			07/13/19 22:12	1
cis-1,3-Dichloropropene	ND		0.50	ug/L			07/13/19 22:12	1
Carbon disulfide	ND		10	ug/L			07/13/19 22:12	1
Carbon tetrachloride	ND		0.50	ug/L			07/13/19 22:12	1
Chlorobenzene	ND		1.0	ug/L			07/13/19 22:12	1
Chloroethane	ND		2.0	ug/L			07/13/19 22:12	1
Chloroform	ND		1.0	ug/L			07/13/19 22:12	1
Chloromethane	ND		10	ug/L			07/13/19 22:12	1
Dibromochloromethane	ND		2.0	ug/L			07/13/19 22:12	1
Dibromomethane	ND		1.0	ug/L			07/13/19 22:12	1
Dichlorodifluoromethane	ND		5.0	ug/L			07/13/19 22:12	1
Di-isopropyl ether (DIPE)	ND		2.0	ug/L			07/13/19 22:12	1
Ethanol	ND		100	ug/L			07/13/19 22:12	1
Ethylbenzene	ND		1.0	ug/L			07/13/19 22:12	1

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

Client Sample ID: EB1
Date Collected: 07/08/19 16:00
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-36
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			07/13/19 22:12	1
Isopropylbenzene	ND		1.0		ug/L			07/13/19 22:12	1
Methylene Chloride	ND		10		ug/L			07/13/19 22:12	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			07/13/19 22:12	1
Naphthalene	ND		10		ug/L			07/13/19 22:12	1
n-Butylbenzene	ND		1.0		ug/L			07/13/19 22:12	1
N-Propylbenzene	ND		1.0		ug/L			07/13/19 22:12	1
o-Xylene	ND		1.0		ug/L			07/13/19 22:12	1
m,p-Xylene	ND		2.0		ug/L			07/13/19 22:12	1
p-Isopropyltoluene	ND		1.0		ug/L			07/13/19 22:12	1
sec-Butylbenzene	ND		1.0		ug/L			07/13/19 22:12	1
Styrene	ND		1.0		ug/L			07/13/19 22:12	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			07/13/19 22:12	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			07/13/19 22:12	1
Tert-amyl-methyl ether (TAME)	ND		2.0		ug/L			07/13/19 22:12	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			07/13/19 22:12	1
tert-Butylbenzene	ND		1.0		ug/L			07/13/19 22:12	1
Tetrachloroethene	ND		1.0		ug/L			07/13/19 22:12	1
Toluene	ND		1.0		ug/L			07/13/19 22:12	1
Trichloroethene	ND		1.0		ug/L			07/13/19 22:12	1
Trichlorofluoromethane	ND		10		ug/L			07/13/19 22:12	1
Vinyl acetate	ND		10		ug/L			07/13/19 22:12	1
Vinyl chloride	ND		0.50		ug/L			07/13/19 22:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 129*		*07/13/19 22:12*	*1*
4-Bromofluorobenzene (Surr)	*100*		*77 - 120*		*07/13/19 22:12*	*1*
Dibromofluoromethane	*105*		*80 - 128*		*07/13/19 22:12*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/13/19 22:12*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: HA2-0.5 **Lab Sample ID: 570-1231-1**
Date Collected: 07/08/19 09:32 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
1,2-Dichlorobenzene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
1,3-Dichlorobenzene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
1,4-Dichlorobenzene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
1-Methylnaphthalene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
2,4,5-Trichlorophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
2,4,6-Trichlorophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
2,4-Dichlorophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
2,4-Dimethylphenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
2,4-Dinitrophenol	ND		2.0	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
2,4-Dinitrotoluene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
2,6-Dichlorophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
2,6-Dinitrotoluene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
2-Chloronaphthalene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
2-Chlorophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
2-Methylnaphthalene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
2-Methylphenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
2-Nitroaniline	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
2-Nitrophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
3,3'-Dichlorobenzidine	ND		2.5	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
3 & 4 Methylphenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
3-Nitroaniline	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
4,6-Dinitro-2-methylphenol	ND		2.5	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
4-Bromophenyl phenyl ether	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
4-Chloro-3-methylphenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
4-Chloroaniline	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
4-Chlorophenyl phenyl ether	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
4-Nitroaniline	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
4-Nitrophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Acenaphthene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Acenaphthylene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Aniline	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Anthracene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Azobenzene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Benzidine	ND		5.0	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Benzo[a]anthracene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Benzo[a]pyrene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Benzo[b]fluoranthene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Benzo[g,h,i]perylene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Benzo[k]fluoranthene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Benzoic acid	ND		2.5	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Benzyl alcohol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Bis(2-chloroethoxy)methane	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Bis(2-chloroethyl)ether	ND		2.5	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Bis(2-ethylhexyl) phthalate	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Butyl benzyl phthalate	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Chrysene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Dibenz(a,h)anthracene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Dibenzofuran	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA2-0.5
Date Collected: 07/08/19 09:32
Date Received: 07/09/19 19:40
Lab Sample ID: 570-1231-1
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Dimethyl phthalate	**0.68**		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Di-n-butyl phthalate	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Di-n-octyl phthalate	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Fluoranthene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Fluorene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Hexachloro-1,3-butadiene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Hexachlorobenzene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Hexachlorocyclopentadiene	ND		1.5	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Hexachloroethane	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Indeno[1,2,3-cd]pyrene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Isophorone	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Naphthalene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Nitrobenzene	ND		2.0	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
N-Nitrosodimethylamine	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
N-Nitrosodi-n-propylamine	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
N-Nitrosodiphenylamine	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Pentachlorophenol	ND		2.5	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Phenanthrene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Phenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Pyrene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
Pyridine	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1
bis (2-Chloroisopropyl) ether	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*18 - 138*	*07/11/19 13:14*	*07/13/19 14:58*	*1*
2-Fluorobiphenyl (Surr)	*72*		*27 - 120*	*07/11/19 13:14*	*07/13/19 14:58*	*1*
2-Fluorophenol (Surr)	*67*		*25 - 120*	*07/11/19 13:14*	*07/13/19 14:58*	*1*
Nitrobenzene-d5 (Surr)	*57*		*33 - 123*	*07/11/19 13:14*	*07/13/19 14:58*	*1*
p-Terphenyl-d14 (Surr)	*86*		*27 - 159*	*07/11/19 13:14*	*07/13/19 14:58*	*1*
Phenol-d6 (Surr)	*75*		*26 - 122*	*07/11/19 13:14*	*07/13/19 14:58*	*1*

Client Sample ID: HA3-0.5
Date Collected: 07/08/19 11:20
Date Received: 07/09/19 19:40
Lab Sample ID: 570-1231-4
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
1,2-Dichlorobenzene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
1,3-Dichlorobenzene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
1,4-Dichlorobenzene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
1-Methylnaphthalene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
2,4,5-Trichlorophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
2,4,6-Trichlorophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
2,4-Dichlorophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
2,4-Dimethylphenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
2,4-Dinitrophenol	ND		2.0	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
2,4-Dinitrotoluene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
2,6-Dichlorophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
2,6-Dinitrotoluene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
2-Chloronaphthalene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1

Client Sample Results

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA3-0.5
Date Collected: 07/08/19 11:20
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-4
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
2-Methylnaphthalene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
2-Methylphenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
2-Nitroaniline	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
2-Nitrophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
3,3'-Dichlorobenzidine	ND		2.5	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
3 & 4 Methylphenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
3-Nitroaniline	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
4,6-Dinitro-2-methylphenol	ND		2.5	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
4-Bromophenyl phenyl ether	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
4-Chloro-3-methylphenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
4-Chloroaniline	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
4-Chlorophenyl phenyl ether	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
4-Nitroaniline	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
4-Nitrophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Acenaphthene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Acenaphthylene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Aniline	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Anthracene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Azobenzene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Benzidine	ND		5.0	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Benzo[a]anthracene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Benzo[a]pyrene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Benzo[b]fluoranthene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Benzo[g,h,i]perylene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Benzo[k]fluoranthene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Benzoic acid	ND		2.5	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Benzyl alcohol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Bis(2-chloroethoxy)methane	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Bis(2-chloroethyl)ether	ND		2.5	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Bis(2-ethylhexyl) phthalate	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Butyl benzyl phthalate	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Chrysene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Dibenz(a,h)anthracene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Dibenzofuran	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Diethyl phthalate	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Dimethyl phthalate	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Di-n-butyl phthalate	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Di-n-octyl phthalate	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Fluoranthene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Fluorene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Hexachloro-1,3-butadiene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Hexachlorobenzene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Hexachlorocyclopentadiene	ND		1.5	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Hexachloroethane	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Indeno[1,2,3-cd]pyrene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Isophorone	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Naphthalene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Nitrobenzene	ND		2.0	mg/Kg		07/11/19 13:14	07/13/19 15:16	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA3-0.5 **Lab Sample ID: 570-1231-4**
Date Collected: 07/08/19 11:20 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:16	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:16	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Pentachlorophenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Phenanthrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Phenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Pyrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:16	1
Pyridine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:16	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*65*		*18 - 138*	*07/11/19 13:14*	*07/13/19 15:16*	*1*
2-Fluorobiphenyl (Surr)	*60*		*27 - 120*	*07/11/19 13:14*	*07/13/19 15:16*	*1*
2-Fluorophenol (Surr)	*58*		*25 - 120*	*07/11/19 13:14*	*07/13/19 15:16*	*1*
Nitrobenzene-d5 (Surr)	*49*		*33 - 123*	*07/11/19 13:14*	*07/13/19 15:16*	*1*
p-Terphenyl-d14 (Surr)	*79*		*27 - 159*	*07/11/19 13:14*	*07/13/19 15:16*	*1*
Phenol-d6 (Surr)	*64*		*26 - 122*	*07/11/19 13:14*	*07/13/19 15:16*	*1*

Client Sample ID: HA4-0.5 **Lab Sample ID: 570-1231-7**
Date Collected: 07/08/19 10:42 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
1,2-Dichlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
1,3-Dichlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
1,4-Dichlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
1-Methylnaphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
2,4,5-Trichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
2,4,6-Trichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
2,4-Dichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
2,4-Dinitrotoluene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
2-Chlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
2-Methylnaphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
2-Methylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
2-Nitroaniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
2-Nitrophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
3 & 4 Methylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
3-Nitroaniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
4-Bromophenyl phenyl ether	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
4-Chloro-3-methylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
4-Chloroaniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
4-Nitroaniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA4-0.5 **Lab Sample ID: 570-1231-7**
Date Collected: 07/08/19 10:42 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Acenaphthene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Acenaphthylene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Aniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Anthracene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Azobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Benzidine	ND		5.0		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Benzoic acid	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Benzyl alcohol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Chrysene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Dibenzofuran	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Diethyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Dimethyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Fluoranthene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Fluorene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Hexachlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Hexachloroethane	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Isophorone	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Naphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Nitrobenzene	ND		2.0		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Pentachlorophenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Phenanthrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Phenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Pyrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
Pyridine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*18 - 138*	*07/11/19 13:14*	*07/13/19 15:35*	*1*
2-Fluorobiphenyl (Surr)	*56*		*27 - 120*	*07/11/19 13:14*	*07/13/19 15:35*	*1*
2-Fluorophenol (Surr)	*53*		*25 - 120*	*07/11/19 13:14*	*07/13/19 15:35*	*1*
Nitrobenzene-d5 (Surr)	*42*		*33 - 123*	*07/11/19 13:14*	*07/13/19 15:35*	*1*

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA4-0.5
Date Collected: 07/08/19 10:42
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-7
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14 (Surr)	76		27 - 159	07/11/19 13:14	07/13/19 15:35	1
Phenol-d6 (Surr)	59		26 - 122	07/11/19 13:14	07/13/19 15:35	1

Client Sample ID: HA5-0.5
Date Collected: 07/08/19 14:02
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
1,2-Dichlorobenzene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
1,3-Dichlorobenzene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
1,4-Dichlorobenzene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
1-Methylnaphthalene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
2,4,5-Trichlorophenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
2,4,6-Trichlorophenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
2,4-Dichlorophenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
2,4-Dimethylphenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
2,4-Dinitrotoluene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
2,6-Dichlorophenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
2,6-Dinitrotoluene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
2-Chloronaphthalene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
2-Chlorophenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
2-Methylnaphthalene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
2-Methylphenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
2-Nitroaniline	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
2-Nitrophenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
3 & 4 Methylphenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
3-Nitroaniline	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
4-Bromophenyl phenyl ether	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
4-Chloro-3-methylphenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
4-Chloroaniline	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
4-Chlorophenyl phenyl ether	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
4-Nitroaniline	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
4-Nitrophenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Acenaphthene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Acenaphthylene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Aniline	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Anthracene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Azobenzene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Benzidine	ND		4.9		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Benzo[a]anthracene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Benzo[a]pyrene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Benzo[b]fluoranthene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Benzo[g,h,i]perylene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Benzo[k]fluoranthene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Benzoic acid	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Benzyl alcohol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA5-0.5 **Lab Sample ID: 570-1231-10**
Date Collected: 07/08/19 14:02 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Bis(2-ethylhexyl) phthalate	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Butyl benzyl phthalate	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Chrysene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Dibenz(a,h)anthracene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Dibenzofuran	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Diethyl phthalate	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Dimethyl phthalate	**0.78**		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Di-n-butyl phthalate	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Di-n-octyl phthalate	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Fluoranthene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Fluorene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Hexachloro-1,3-butadiene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Hexachlorobenzene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Hexachloroethane	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Indeno[1,2,3-cd]pyrene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Isophorone	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Naphthalene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Nitrobenzene	ND		2.0		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
N-Nitrosodimethylamine	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
N-Nitrosodi-n-propylamine	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
N-Nitrosodiphenylamine	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Pentachlorophenol	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Phenanthrene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Phenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Pyrene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
Pyridine	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1
bis (2-Chloroisopropyl) ether	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*18 - 138*	*07/20/19 09:40*	*07/23/19 14:12*	*1*
2-Fluorobiphenyl (Surr)	*80*		*27 - 120*	*07/20/19 09:40*	*07/23/19 14:12*	*1*
2-Fluorophenol (Surr)	*83*		*25 - 120*	*07/20/19 09:40*	*07/23/19 14:12*	*1*
Nitrobenzene-d5 (Surr)	*76*		*33 - 123*	*07/20/19 09:40*	*07/23/19 14:12*	*1*
p-Terphenyl-d14 (Surr)	*101*		*27 - 159*	*07/20/19 09:40*	*07/23/19 14:12*	*1*
Phenol-d6 (Surr)	*85*		*26 - 122*	*07/20/19 09:40*	*07/23/19 14:12*	*1*

Client Sample ID: HA7-0.5 **Lab Sample ID: 570-1231-12**
Date Collected: 07/08/19 13:27 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
1,2-Dichlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
1,3-Dichlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
1,4-Dichlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
1-Methylnaphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
2,4,5-Trichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
2,4,6-Trichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA7-0.5
Date Collected: 07/08/19 13:27
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
2,4-Dinitrotoluene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
2-Chlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
2-Methylnaphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
2-Methylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
2-Nitroaniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
2-Nitrophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
3 & 4 Methylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
3-Nitroaniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
4-Bromophenyl phenyl ether	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
4-Chloro-3-methylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
4-Chloroaniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
4-Nitroaniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
4-Nitrophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Acenaphthene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Acenaphthylene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Aniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Anthracene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Azobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Benzidine	ND		5.0		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Benzoic acid	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Benzyl alcohol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Chrysene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Dibenzofuran	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Diethyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Dimethyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Fluoranthene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Fluorene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA7-0.5
Date Collected: 07/08/19 13:27
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Hexachloroethane	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Isophorone	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Naphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Nitrobenzene	ND		2.0		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Pentachlorophenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Phenanthrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Phenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Pyrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
Pyridine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*68*		*18 - 138*	*07/11/19 13:14*	*07/13/19 16:12*	*1*
2-Fluorobiphenyl (Surr)	*61*		*27 - 120*	*07/11/19 13:14*	*07/13/19 16:12*	*1*
2-Fluorophenol (Surr)	*54*		*25 - 120*	*07/11/19 13:14*	*07/13/19 16:12*	*1*
Nitrobenzene-d5 (Surr)	*45*		*33 - 123*	*07/11/19 13:14*	*07/13/19 16:12*	*1*
p-Terphenyl-d14 (Surr)	*92*		*27 - 159*	*07/11/19 13:14*	*07/13/19 16:12*	*1*
Phenol-d6 (Surr)	*61*		*26 - 122*	*07/11/19 13:14*	*07/13/19 16:12*	*1*

Client Sample ID: HA8-0.5
Date Collected: 07/08/19 09:02
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-15
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
1,2-Dichlorobenzene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
1,3-Dichlorobenzene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
1,4-Dichlorobenzene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
1-Methylnaphthalene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
2,4,5-Trichlorophenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
2,4,6-Trichlorophenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
2,4-Dichlorophenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
2,4-Dimethylphenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
2,4-Dinitrotoluene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
2,6-Dichlorophenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
2,6-Dinitrotoluene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
2-Chloronaphthalene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
2-Chlorophenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
2-Methylnaphthalene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
2-Methylphenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
2-Nitroaniline	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
2-Nitrophenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
3 & 4 Methylphenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA8-0.5 **Lab Sample ID: 570-1231-15**
Date Collected: 07/08/19 09:02 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
4-Bromophenyl phenyl ether	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
4-Chloro-3-methylphenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
4-Chloroaniline	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
4-Chlorophenyl phenyl ether	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
4-Nitroaniline	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
4-Nitrophenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Acenaphthene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Acenaphthylene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Aniline	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Anthracene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Azobenzene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Benzidine	ND		4.9		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Benzo[a]anthracene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Benzo[a]pyrene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Benzo[b]fluoranthene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Benzo[g,h,i]perylene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Benzo[k]fluoranthene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Benzoic acid	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Benzyl alcohol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Bis(2-chloroethoxy)methane	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Bis(2-ethylhexyl) phthalate	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Butyl benzyl phthalate	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Chrysene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Dibenz(a,h)anthracene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Dibenzofuran	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Diethyl phthalate	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Dimethyl phthalate	**0.73**		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Di-n-butyl phthalate	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Di-n-octyl phthalate	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Fluoranthene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Fluorene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Hexachloro-1,3-butadiene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Hexachlorobenzene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Hexachloroethane	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Indeno[1,2,3-cd]pyrene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Isophorone	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Naphthalene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Nitrobenzene	ND		2.0		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
N-Nitrosodimethylamine	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
N-Nitrosodi-n-propylamine	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
N-Nitrosodiphenylamine	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Pentachlorophenol	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Phenanthrene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Phenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
Pyrene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA8-0.5
Date Collected: 07/08/19 09:02
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-15
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1
bis (2-Chloroisopropyl) ether	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*18 - 138*	*07/20/19 09:40*	*07/23/19 14:30*	*1*
2-Fluorobiphenyl (Surr)	*79*		*27 - 120*	*07/20/19 09:40*	*07/23/19 14:30*	*1*
2-Fluorophenol (Surr)	*77*		*25 - 120*	*07/20/19 09:40*	*07/23/19 14:30*	*1*
Nitrobenzene-d5 (Surr)	*72*		*33 - 123*	*07/20/19 09:40*	*07/23/19 14:30*	*1*
p-Terphenyl-d14 (Surr)	*88*		*27 - 159*	*07/20/19 09:40*	*07/23/19 14:30*	*1*
Phenol-d6 (Surr)	*75*		*26 - 122*	*07/20/19 09:40*	*07/23/19 14:30*	*1*

Client Sample ID: HA9-0.5
Date Collected: 07/08/19 10:02
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-18
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
1,2-Dichlorobenzene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
1,3-Dichlorobenzene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
1,4-Dichlorobenzene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
1-Methylnaphthalene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
2,4,5-Trichlorophenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
2,4,6-Trichlorophenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
2,4-Dichlorophenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
2,4-Dimethylphenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
2,4-Dinitrophenol	ND		10		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
2,4-Dinitrotoluene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
2,6-Dichlorophenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
2,6-Dinitrotoluene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
2-Chloronaphthalene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
2-Chlorophenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
2-Methylnaphthalene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
2-Methylphenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
2-Nitroaniline	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
2-Nitrophenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
3,3'-Dichlorobenzidine	ND		12		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
3 & 4 Methylphenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
3-Nitroaniline	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
4,6-Dinitro-2-methylphenol	ND		12		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
4-Bromophenyl phenyl ether	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
4-Chloro-3-methylphenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
4-Chloroaniline	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
4-Chlorophenyl phenyl ether	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
4-Nitroaniline	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
4-Nitrophenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Acenaphthene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Acenaphthylene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Aniline	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Anthracene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Azobenzene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Benzidine	ND		25		mg/Kg		07/11/19 13:14	07/13/19 16:49	5

Client: EFI Global, Inc. Job ID: 570-1231-1
Project/Site: WH Taft HS

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA9-0.5 **Lab Sample ID: 570-1231-18**
Date Collected: 07/08/19 10:02 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Benzo[a]pyrene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Benzo[b]fluoranthene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Benzo[g,h,i]perylene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Benzo[k]fluoranthene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Benzoic acid	ND		12		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Benzyl alcohol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Bis(2-chloroethoxy)methane	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Bis(2-chloroethyl)ether	ND		12		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Bis(2-ethylhexyl) phthalate	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Butyl benzyl phthalate	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Chrysene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Dibenz(a,h)anthracene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Dibenzofuran	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Diethyl phthalate	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Dimethyl phthalate	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Di-n-butyl phthalate	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Di-n-octyl phthalate	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Fluoranthene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Fluorene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Hexachloro-1,3-butadiene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Hexachlorobenzene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Hexachlorocyclopentadiene	ND		7.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Hexachloroethane	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Indeno[1,2,3-cd]pyrene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Isophorone	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Naphthalene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Nitrobenzene	ND		10		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
N-Nitrosodimethylamine	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
N-Nitrosodi-n-propylamine	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
N-Nitrosodiphenylamine	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Pentachlorophenol	ND		12		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Phenanthrene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Phenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Pyrene	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
Pyridine	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5
bis (2-Chloroisopropyl) ether	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 16:49	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*58*		*18 - 138*	*07/11/19 13:14*	*07/13/19 16:49*	*5*
2-Fluorobiphenyl (Surr)	*54*		*27 - 120*	*07/11/19 13:14*	*07/13/19 16:49*	*5*
2-Fluorophenol (Surr)	*51*		*25 - 120*	*07/11/19 13:14*	*07/13/19 16:49*	*5*
Nitrobenzene-d5 (Surr)	*43*		*33 - 123*	*07/11/19 13:14*	*07/13/19 16:49*	*5*
p-Terphenyl-d14 (Surr)	*61*		*27 - 159*	*07/11/19 13:14*	*07/13/19 16:49*	*5*
Phenol-d6 (Surr)	*54*		*26 - 122*	*07/11/19 13:14*	*07/13/19 16:49*	*5*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: HA10-0.5 **Lab Sample ID: 570-1231-21**
Date Collected: 07/08/19 12:10 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
1,2-Dichlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
1,3-Dichlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
1,4-Dichlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
1-Methylnaphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
2,4,5-Trichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
2,4,6-Trichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
2,4-Dichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
2,4-Dinitrotoluene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
2-Chlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
2-Methylnaphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
2-Methylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
2-Nitroaniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
2-Nitrophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
3 & 4 Methylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
3-Nitroaniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
4-Bromophenyl phenyl ether	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
4-Chloro-3-methylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
4-Chloroaniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
4-Nitroaniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
4-Nitrophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Acenaphthene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Acenaphthylene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Aniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Anthracene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Azobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Benzidine	ND		5.0		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Benzoic acid	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Benzyl alcohol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Chrysene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Dibenzofuran	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA10-0.5 **Lab Sample ID: 570-1231-21**
Date Collected: 07/08/19 12:10 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Dimethyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Fluoranthene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Fluorene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Hexachlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Hexachloroethane	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Isophorone	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Naphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Nitrobenzene	ND		2.0		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Pentachlorophenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Phenanthrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Phenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Pyrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
Pyridine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*18 - 138*	*07/11/19 13:14*	*07/13/19 17:07*	*1*
2-Fluorobiphenyl (Surr)	*71*		*27 - 120*	*07/11/19 13:14*	*07/13/19 17:07*	*1*
2-Fluorophenol (Surr)	*68*		*25 - 120*	*07/11/19 13:14*	*07/13/19 17:07*	*1*
Nitrobenzene-d5 (Surr)	*62*		*33 - 123*	*07/11/19 13:14*	*07/13/19 17:07*	*1*
p-Terphenyl-d14 (Surr)	*87*		*27 - 159*	*07/11/19 13:14*	*07/13/19 17:07*	*1*
Phenol-d6 (Surr)	*73*		*26 - 122*	*07/11/19 13:14*	*07/13/19 17:07*	*1*

Client Sample ID: HA11-0.5 **Lab Sample ID: 570-1231-24**
Date Collected: 07/08/19 12:27 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:26	1
1,2-Dichlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:26	1
1,3-Dichlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:26	1
1,4-Dichlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:26	1
1-Methylnaphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:26	1
2,4,5-Trichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:26	1
2,4,6-Trichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:26	1
2,4-Dichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:26	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:26	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/11/19 13:14	07/13/19 17:26	1
2,4-Dinitrotoluene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:26	1
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:26	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:26	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:26	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA11-0.5
Date Collected: 07/08/19 12:27
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-24
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
2-Methylnaphthalene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
2-Methylphenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
2-Nitroaniline	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
2-Nitrophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
3,3'-Dichlorobenzidine	ND		2.5	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
3 & 4 Methylphenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
3-Nitroaniline	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
4,6-Dinitro-2-methylphenol	ND		2.5	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
4-Bromophenyl phenyl ether	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
4-Chloro-3-methylphenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
4-Chloroaniline	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
4-Chlorophenyl phenyl ether	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
4-Nitroaniline	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
4-Nitrophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Acenaphthene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Acenaphthylene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Aniline	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Anthracene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Azobenzene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Benzidine	ND		5.0	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Benzo[a]anthracene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Benzo[a]pyrene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Benzo[b]fluoranthene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Benzo[g,h,i]perylene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Benzo[k]fluoranthene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Benzoic acid	ND		2.5	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Benzyl alcohol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Bis(2-chloroethoxy)methane	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Bis(2-chloroethyl)ether	ND		2.5	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Bis(2-ethylhexyl) phthalate	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Butyl benzyl phthalate	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Chrysene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Dibenz(a,h)anthracene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Dibenzofuran	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Diethyl phthalate	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Dimethyl phthalate	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Di-n-butyl phthalate	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Di-n-octyl phthalate	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Fluoranthene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Fluorene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Hexachloro-1,3-butadiene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Hexachlorobenzene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Hexachlorocyclopentadiene	ND		1.5	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Hexachloroethane	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Indeno[1,2,3-cd]pyrene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Isophorone	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Naphthalene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Nitrobenzene	ND		2.0	mg/Kg		07/11/19 13:14	07/13/19 17:26	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA11-0.5
Date Collected: 07/08/19 12:27
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-24
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:26	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:26	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Pentachlorophenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Phenanthrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Phenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Pyrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:26	1
Pyridine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:26	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*18 - 138*	*07/11/19 13:14*	*07/13/19 17:26*	*1*
2-Fluorobiphenyl (Surr)	*74*		*27 - 120*	*07/11/19 13:14*	*07/13/19 17:26*	*1*
2-Fluorophenol (Surr)	*69*		*25 - 120*	*07/11/19 13:14*	*07/13/19 17:26*	*1*
Nitrobenzene-d5 (Surr)	*62*		*33 - 123*	*07/11/19 13:14*	*07/13/19 17:26*	*1*
p-Terphenyl-d14 (Surr)	*101*		*27 - 159*	*07/11/19 13:14*	*07/13/19 17:26*	*1*
Phenol-d6 (Surr)	*75*		*26 - 122*	*07/11/19 13:14*	*07/13/19 17:26*	*1*

Client Sample ID: HA12-0.5
Date Collected: 07/08/19 14:42
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-27
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
1,2-Dichlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
1,3-Dichlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
1,4-Dichlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
1-Methylnaphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
2,4,5-Trichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
2,4,6-Trichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
2,4-Dichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
2,4-Dinitrotoluene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
2-Chlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
2-Methylnaphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
2-Methylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
2-Nitroaniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
2-Nitrophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
3 & 4 Methylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
3-Nitroaniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
4-Bromophenyl phenyl ether	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
4-Chloro-3-methylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
4-Chloroaniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
4-Nitroaniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA12-0.5
Date Collected: 07/08/19 14:42
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-27
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Acenaphthene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Acenaphthylene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Aniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Anthracene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Azobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Benzidine	ND		5.0		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Benzoic acid	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Benzyl alcohol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Chrysene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Dibenzofuran	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Diethyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Dimethyl phthalate	**0.55**		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Fluoranthene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Fluorene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Hexachlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Hexachloroethane	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Isophorone	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Naphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Nitrobenzene	ND		2.0		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Pentachlorophenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Phenanthrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Phenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Pyrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
Pyridine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*59*		*18 - 138*	*07/11/19 13:14*	*07/13/19 17:44*	*1*
2-Fluorobiphenyl (Surr)	*64*		*27 - 120*	*07/11/19 13:14*	*07/13/19 17:44*	*1*
2-Fluorophenol (Surr)	*55*		*25 - 120*	*07/11/19 13:14*	*07/13/19 17:44*	*1*
Nitrobenzene-d5 (Surr)	*56*		*33 - 123*	*07/11/19 13:14*	*07/13/19 17:44*	*1*

Client: EFI Global, Inc. Job ID: 570-1231-1
Project/Site: WH Taft HS

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA12-0.5 **Lab Sample ID: 570-1231-27**
Date Collected: 07/08/19 14:42 **Matrix: Solid**
Date Received: 07/09/19 19:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14 (Surr)	*71*		*27 - 159*	*07/11/19 13:14*	*07/13/19 17:44*	*1*
Phenol-d6 (Surr)	*64*		*26 - 122*	*07/11/19 13:14*	*07/13/19 17:44*	*1*

Client Sample ID: HA13-0.5 **Lab Sample ID: 570-1231-30**
Date Collected: 07/08/19 12:55 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
1,2-Dichlorobenzene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
1,3-Dichlorobenzene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
1,4-Dichlorobenzene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
1-Methylnaphthalene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
2,4,5-Trichlorophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
2,4,6-Trichlorophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
2,4-Dichlorophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
2,4-Dimethylphenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
2,4-Dinitrophenol	ND		2.0	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
2,4-Dinitrotoluene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
2,6-Dichlorophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
2,6-Dinitrotoluene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
2-Chloronaphthalene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
2-Chlorophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
2-Methylnaphthalene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
2-Methylphenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
2-Nitroaniline	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
2-Nitrophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
3,3'-Dichlorobenzidine	ND		2.5	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
3 & 4 Methylphenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
3-Nitroaniline	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
4,6-Dinitro-2-methylphenol	ND		2.5	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
4-Bromophenyl phenyl ether	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
4-Chloro-3-methylphenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
4-Chloroaniline	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
4-Chlorophenyl phenyl ether	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
4-Nitroaniline	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
4-Nitrophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Acenaphthene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Acenaphthylene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Aniline	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Anthracene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Azobenzene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Benzidine	ND		5.0	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Benzo[a]anthracene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Benzo[a]pyrene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Benzo[b]fluoranthene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Benzo[g,h,i]perylene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Benzo[k]fluoranthene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Benzoic acid	ND		2.5	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Benzyl alcohol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1

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Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA13-0.5 **Lab Sample ID: 570-1231-30**
Date Collected: 07/08/19 12:55 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Bis(2-chloroethyl)ether	ND		2.5	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Bis(2-ethylhexyl) phthalate	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Butyl benzyl phthalate	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Chrysene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Dibenz(a,h)anthracene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Dibenzofuran	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Diethyl phthalate	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Dimethyl phthalate	**0.60**		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Di-n-butyl phthalate	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Di-n-octyl phthalate	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Fluoranthene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Fluorene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Hexachloro-1,3-butadiene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Hexachlorobenzene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Hexachlorocyclopentadiene	ND		1.5	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Hexachloroethane	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Indeno[1,2,3-cd]pyrene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Isophorone	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Naphthalene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Nitrobenzene	ND		2.0	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
N-Nitrosodimethylamine	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
N-Nitrosodi-n-propylamine	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
N-Nitrosodiphenylamine	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Pentachlorophenol	ND		2.5	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Phenanthrene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Phenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Pyrene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
Pyridine	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1
bis (2-Chloroisopropyl) ether	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*18 - 138*	*07/11/19 13:14*	*07/13/19 18:03*	*1*
2-Fluorobiphenyl (Surr)	*61*		*27 - 120*	*07/11/19 13:14*	*07/13/19 18:03*	*1*
2-Fluorophenol (Surr)	*58*		*25 - 120*	*07/11/19 13:14*	*07/13/19 18:03*	*1*
Nitrobenzene-d5 (Surr)	*47*		*33 - 123*	*07/11/19 13:14*	*07/13/19 18:03*	*1*
p-Terphenyl-d14 (Surr)	*100*		*27 - 159*	*07/11/19 13:14*	*07/13/19 18:03*	*1*
Phenol-d6 (Surr)	*64*		*26 - 122*	*07/11/19 13:14*	*07/13/19 18:03*	*1*

Client Sample ID: HA14-0.5 **Lab Sample ID: 570-1231-33**
Date Collected: 07/08/19 15:12 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:21	1
1,2-Dichlorobenzene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:21	1
1,3-Dichlorobenzene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:21	1
1,4-Dichlorobenzene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:21	1
1-Methylnaphthalene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:21	1
2,4,5-Trichlorophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:21	1
2,4,6-Trichlorophenol	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 18:21	1

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Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA14-0.5 **Lab Sample ID: 570-1231-33**
Date Collected: 07/08/19 15:12 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
2,4-Dinitrotoluene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
2-Chlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
2-Methylnaphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
2-Methylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
2-Nitroaniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
2-Nitrophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
3 & 4 Methylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
3-Nitroaniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
4-Bromophenyl phenyl ether	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
4-Chloro-3-methylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
4-Chloroaniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
4-Nitroaniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
4-Nitrophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Acenaphthene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Acenaphthylene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Aniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Anthracene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Azobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Benzidine	ND		5.0		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Benzoic acid	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Benzyl alcohol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Chrysene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Dibenzofuran	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Diethyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Dimethyl phthalate	**0.66**		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Fluoranthene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Fluorene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA14-0.5 **Lab Sample ID: 570-1231-33**
Date Collected: 07/08/19 15:12 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Hexachloroethane	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Isophorone	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Naphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Nitrobenzene	ND		2.0		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Pentachlorophenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Phenanthrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Phenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Pyrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
Pyridine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*18 - 138*	*07/11/19 13:14*	*07/13/19 18:21*	*1*
2-Fluorobiphenyl (Surr)	*73*		*27 - 120*	*07/11/19 13:14*	*07/13/19 18:21*	*1*
2-Fluorophenol (Surr)	*74*		*25 - 120*	*07/11/19 13:14*	*07/13/19 18:21*	*1*
Nitrobenzene-d5 (Surr)	*60*		*33 - 123*	*07/11/19 13:14*	*07/13/19 18:21*	*1*
p-Terphenyl-d14 (Surr)	*107*		*27 - 159*	*07/11/19 13:14*	*07/13/19 18:21*	*1*
Phenol-d6 (Surr)	*80*		*26 - 122*	*07/11/19 13:14*	*07/13/19 18:21*	*1*

Client Sample ID: EB1 **Lab Sample ID: 570-1231-36**
Date Collected: 07/08/19 16:00 **Matrix: Water**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
1,2-Dichlorobenzene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
1,3-Dichlorobenzene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
1,4-Dichlorobenzene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
1-Methylnaphthalene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
2,4,5-Trichlorophenol	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
2,4,6-Trichlorophenol	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
2,4-Dichlorophenol	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
2,4-Dimethylphenol	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
2,4-Dinitrophenol	ND		48		ug/L		07/10/19 13:15	07/12/19 18:37	1
2,4-Dinitrotoluene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
2,6-Dichlorophenol	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
2,6-Dinitrotoluene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
2-Chloronaphthalene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
2-Chlorophenol	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
2-Methylnaphthalene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
2-Methylphenol	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
2-Nitroaniline	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
2-Nitrophenol	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
3,3'-Dichlorobenzidine	ND		24		ug/L		07/10/19 13:15	07/12/19 18:37	1
3 & 4 Methylphenol	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: EB1 **Lab Sample ID: 570-1231-36**
Date Collected: 07/08/19 16:00 **Matrix: Water**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
4,6-Dinitro-2-methylphenol	ND		48		ug/L		07/10/19 13:15	07/12/19 18:37	1
4-Bromophenyl phenyl ether	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
4-Chloro-3-methylphenol	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
4-Chloroaniline	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
4-Chlorophenyl phenyl ether	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
4-Nitroaniline	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
4-Nitrophenol	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Acenaphthene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Acenaphthylene	ND	*	9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Aniline	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Anthracene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Azobenzene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Benzidine	ND		48		ug/L		07/10/19 13:15	07/12/19 18:37	1
Benzo[a]anthracene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Benzo[a]pyrene	ND	*	9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Benzo[b]fluoranthene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Benzo[g,h,i]perylene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Benzo[k]fluoranthene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Benzoic acid	ND		48		ug/L		07/10/19 13:15	07/12/19 18:37	1
Benzyl alcohol	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Bis(2-chloroethoxy)methane	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Bis(2-chloroethyl)ether	ND		24		ug/L		07/10/19 13:15	07/12/19 18:37	1
Bis(2-ethylhexyl) phthalate	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Butyl benzyl phthalate	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Chrysene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Dibenz(a,h)anthracene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Dibenzofuran	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Diethyl phthalate	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Dimethyl phthalate	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Di-n-butyl phthalate	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Di-n-octyl phthalate	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Fluoranthene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Fluorene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Hexachloro-1,3-butadiene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Hexachlorobenzene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Hexachlorocyclopentadiene	ND	*	24		ug/L		07/10/19 13:15	07/12/19 18:37	1
Hexachloroethane	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Indeno[1,2,3-cd]pyrene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Isophorone	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Naphthalene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Nitrobenzene	ND		24		ug/L		07/10/19 13:15	07/12/19 18:37	1
N-Nitrosodimethylamine	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
N-Nitrosodi-n-propylamine	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
N-Nitrosodiphenylamine	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Pentachlorophenol	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Phenanthrene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Phenol	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
Pyrene	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: EB1 **Lab Sample ID: 570-1231-36**
Date Collected: 07/08/19 16:00 **Matrix: Water**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1
bis (2-Chloroisopropyl) ether	ND		9.5		ug/L		07/10/19 13:15	07/12/19 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*32 - 143*	*07/10/19 13:15*	*07/12/19 18:37*	*1*
2-Fluorobiphenyl (Surr)	*88*		*45 - 120*	*07/10/19 13:15*	*07/12/19 18:37*	*1*
2-Fluorophenol (Surr)	*54*		*15 - 138*	*07/10/19 13:15*	*07/12/19 18:37*	*1*
Nitrobenzene-d5 (Surr)	*83*		*56 - 123*	*07/10/19 13:15*	*07/12/19 18:37*	*1*
p-Terphenyl-d14 (Surr)	*101*		*46 - 133*	*07/10/19 13:15*	*07/12/19 18:37*	*1*
Phenol-d6 (Surr)	*33*		*17 - 141*	*07/10/19 13:15*	*07/12/19 18:37*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Client Sample ID: HA2-0.5
Date Collected: 07/08/19 09:32
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/12/19 21:42	07/13/19 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*42 - 126*	*07/12/19 21:42*	*07/13/19 16:10*	*1*

Client Sample ID: HA3-0.5
Date Collected: 07/08/19 11:20
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/12/19 21:42	07/13/19 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*42 - 126*	*07/12/19 21:42*	*07/13/19 16:43*	*1*

Client Sample ID: HA4-0.5
Date Collected: 07/08/19 10:42
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/12/19 21:42	07/13/19 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*42 - 126*	*07/12/19 21:42*	*07/13/19 17:17*	*1*

Client Sample ID: HA5-0.5
Date Collected: 07/08/19 14:02
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/12/19 21:42	07/13/19 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*42 - 126*	*07/12/19 21:42*	*07/13/19 17:50*	*1*

Client Sample ID: HA7-0.5
Date Collected: 07/08/19 13:27
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.099		mg/Kg		07/12/19 21:42	07/13/19 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*42 - 126*	*07/12/19 21:42*	*07/13/19 18:23*	*1*

Client Sample ID: HA8-0.5
Date Collected: 07/08/19 09:02
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-15
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.098		mg/Kg		07/12/19 21:42	07/13/19 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*42 - 126*	*07/12/19 21:42*	*07/13/19 18:57*	*1*

Client: EFI Global, Inc.　　Job ID: 570-1231-1
Project/Site: WH Taft HS

Method: 8015B - Gasoline Range Organics - (GC)

Client Sample ID: HA9-0.5　　**Lab Sample ID: 570-1231-18**
Date Collected: 07/08/19 10:02　　**Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/12/19 21:42	07/13/19 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*42 - 126*	*07/12/19 21:42*	*07/13/19 19:30*	*1*

Client Sample ID: HA10-0.5　　**Lab Sample ID: 570-1231-21**
Date Collected: 07/08/19 12:10　　**Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.098		mg/Kg		07/12/19 19:36	07/13/19 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*42 - 126*	*07/12/19 19:36*	*07/13/19 14:31*	*1*

Client Sample ID: HA11-0.5　　**Lab Sample ID: 570-1231-24**
Date Collected: 07/08/19 12:27　　**Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/12/19 19:36	07/13/19 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*42 - 126*	*07/12/19 19:36*	*07/13/19 20:03*	*1*

Client Sample ID: HA12-0.5　　**Lab Sample ID: 570-1231-27**
Date Collected: 07/08/19 14:42　　**Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.099		mg/Kg		07/12/19 19:36	07/13/19 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*42 - 126*	*07/12/19 19:36*	*07/13/19 20:36*	*1*

Client Sample ID: HA13-0.5　　**Lab Sample ID: 570-1231-30**
Date Collected: 07/08/19 12:55　　**Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/12/19 19:36	07/13/19 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*42 - 126*	*07/12/19 19:36*	*07/13/19 22:15*	*1*

Client Sample ID: HA14-0.5　　**Lab Sample ID: 570-1231-33**
Date Collected: 07/08/19 15:12　　**Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/12/19 22:00	07/13/19 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*42 - 126*	*07/12/19 22:00*	*07/13/19 22:48*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Client Sample ID: EB1
Lab Sample ID: 570-1231-36
Date Collected: 07/08/19 16:00
Matrix: Water
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		50		ug/L			07/11/19 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*66*		*38 - 134*		*07/11/19 19:26*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: HA2-0.5
Date Collected: 07/08/19 09:32
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:11	1
C13-C14	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:11	1
C15-C16	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:11	1
C17-C18	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:11	1
C19-C20	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:11	1
C21-C22	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:11	1
C23-C24	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:11	1
C25-C28	**5.4**		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:11	1
C29-C32	**8.9**		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:11	1
C33-C36	**6.5**		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:11	1
C37-C40	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:11	1
C41-C44	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:11	1
C9-C10	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:11	1
C6 as C6	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:11	1
C7 as C7	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:11	1
C8 as C8	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*95*		*61 - 145*	*07/12/19 11:42*	*07/13/19 10:11*	*1*

Client Sample ID: HA3-0.5
Date Collected: 07/08/19 11:20
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.3		mg/Kg		07/12/19 11:42	07/13/19 10:33	1
C13-C14	ND		5.3		mg/Kg		07/12/19 11:42	07/13/19 10:33	1
C15-C16	ND		5.3		mg/Kg		07/12/19 11:42	07/13/19 10:33	1
C17-C18	ND		5.3		mg/Kg		07/12/19 11:42	07/13/19 10:33	1
C19-C20	ND		5.3		mg/Kg		07/12/19 11:42	07/13/19 10:33	1
C21-C22	ND		5.3		mg/Kg		07/12/19 11:42	07/13/19 10:33	1
C23-C24	ND		5.3		mg/Kg		07/12/19 11:42	07/13/19 10:33	1
C25-C28	ND		5.3		mg/Kg		07/12/19 11:42	07/13/19 10:33	1
C29-C32	ND		5.3		mg/Kg		07/12/19 11:42	07/13/19 10:33	1
C33-C36	ND		5.3		mg/Kg		07/12/19 11:42	07/13/19 10:33	1
C37-C40	ND		5.3		mg/Kg		07/12/19 11:42	07/13/19 10:33	1
C41-C44	ND		5.3		mg/Kg		07/12/19 11:42	07/13/19 10:33	1
C9-C10	ND		5.3		mg/Kg		07/12/19 11:42	07/13/19 10:33	1
C6 as C6	ND		5.3		mg/Kg		07/12/19 11:42	07/13/19 10:33	1
C7 as C7	ND		5.3		mg/Kg		07/12/19 11:42	07/13/19 10:33	1
C8 as C8	ND		5.3		mg/Kg		07/12/19 11:42	07/13/19 10:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*94*		*61 - 145*	*07/12/19 11:42*	*07/13/19 10:33*	*1*

Client Sample ID: HA4-0.5
Date Collected: 07/08/19 10:42
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:54	1
C13-C14	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:54	1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Client Sample ID: HA4-0.5
Date Collected: 07/08/19 10:42
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C15-C16	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:54	1
C17-C18	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:54	1
C19-C20	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:54	1
C21-C22	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:54	1
C23-C24	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:54	1
C25-C28	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:54	1
C29-C32	**8.0**		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:54	1
C33-C36	**7.1**		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:54	1
C37-C40	**6.0**		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:54	1
C41-C44	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:54	1
C9-C10	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:54	1
C6 as C6	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:54	1
C7 as C7	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:54	1
C8 as C8	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 10:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*90*		*61 - 145*	*07/12/19 11:42*	*07/13/19 10:54*	*1*

Client Sample ID: HA5-0.5
Date Collected: 07/08/19 14:02
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.1		mg/Kg		07/12/19 11:42	07/13/19 11:16	1
C13-C14	ND		5.1		mg/Kg		07/12/19 11:42	07/13/19 11:16	1
C15-C16	ND		5.1		mg/Kg		07/12/19 11:42	07/13/19 11:16	1
C17-C18	ND		5.1		mg/Kg		07/12/19 11:42	07/13/19 11:16	1
C19-C20	ND		5.1		mg/Kg		07/12/19 11:42	07/13/19 11:16	1
C21-C22	ND		5.1		mg/Kg		07/12/19 11:42	07/13/19 11:16	1
C23-C24	ND		5.1		mg/Kg		07/12/19 11:42	07/13/19 11:16	1
C25-C28	ND		5.1		mg/Kg		07/12/19 11:42	07/13/19 11:16	1
C29-C32	ND		5.1		mg/Kg		07/12/19 11:42	07/13/19 11:16	1
C33-C36	ND		5.1		mg/Kg		07/12/19 11:42	07/13/19 11:16	1
C37-C40	ND		5.1		mg/Kg		07/12/19 11:42	07/13/19 11:16	1
C41-C44	ND		5.1		mg/Kg		07/12/19 11:42	07/13/19 11:16	1
C9-C10	ND		5.1		mg/Kg		07/12/19 11:42	07/13/19 11:16	1
C6 as C6	ND		5.1		mg/Kg		07/12/19 11:42	07/13/19 11:16	1
C7 as C7	ND		5.1		mg/Kg		07/12/19 11:42	07/13/19 11:16	1
C8 as C8	ND		5.1		mg/Kg		07/12/19 11:42	07/13/19 11:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*86*		*61 - 145*	*07/12/19 11:42*	*07/13/19 11:16*	*1*

Client Sample ID: HA7-0.5
Date Collected: 07/08/19 13:27
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		9.9		mg/Kg		07/12/19 11:42	07/15/19 22:38	2
C13-C14	ND		9.9		mg/Kg		07/12/19 11:42	07/15/19 22:38	2
C15-C16	ND		9.9		mg/Kg		07/12/19 11:42	07/15/19 22:38	2
C17-C18	ND		9.9		mg/Kg		07/12/19 11:42	07/15/19 22:38	2

Client Sample Results

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Client Sample ID: HA7-0.5
Date Collected: 07/08/19 13:27
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C19-C20	ND		9.9		mg/Kg		07/12/19 11:42	07/15/19 22:38	2
C21-C22	ND		9.9		mg/Kg		07/12/19 11:42	07/15/19 22:38	2
C23-C24	**16**		9.9		mg/Kg		07/12/19 11:42	07/15/19 22:38	2
C25-C28	**70**		9.9		mg/Kg		07/12/19 11:42	07/15/19 22:38	2
C29-C32	**120**		9.9		mg/Kg		07/12/19 11:42	07/15/19 22:38	2
C33-C36	**83**		9.9		mg/Kg		07/12/19 11:42	07/15/19 22:38	2
C37-C40	**55**		9.9		mg/Kg		07/12/19 11:42	07/15/19 22:38	2
C41-C44	**25**		9.9		mg/Kg		07/12/19 11:42	07/15/19 22:38	2
C9-C10	ND		9.9		mg/Kg		07/12/19 11:42	07/15/19 22:38	2
C6 as C6	ND		9.9		mg/Kg		07/12/19 11:42	07/15/19 22:38	2
C7 as C7	ND		9.9		mg/Kg		07/12/19 11:42	07/15/19 22:38	2
C8 as C8	ND		9.9		mg/Kg		07/12/19 11:42	07/15/19 22:38	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*96*		*61 - 145*	*07/12/19 11:42*	*07/15/19 22:38*	*2*

Client Sample ID: HA8-0.5
Date Collected: 07/08/19 09:02
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-15
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 11:59	1
C13-C14	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 11:59	1
C15-C16	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 11:59	1
C17-C18	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 11:59	1
C19-C20	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 11:59	1
C21-C22	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 11:59	1
C23-C24	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 11:59	1
C25-C28	**6.1**		5.0		mg/Kg		07/12/19 11:42	07/13/19 11:59	1
C29-C32	**12**		5.0		mg/Kg		07/12/19 11:42	07/13/19 11:59	1
C33-C36	**11**		5.0		mg/Kg		07/12/19 11:42	07/13/19 11:59	1
C37-C40	**9.1**		5.0		mg/Kg		07/12/19 11:42	07/13/19 11:59	1
C41-C44	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 11:59	1
C9-C10	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 11:59	1
C6 as C6	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 11:59	1
C7 as C7	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 11:59	1
C8 as C8	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 11:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*94*		*61 - 145*	*07/12/19 11:42*	*07/13/19 11:59*	*1*

Client Sample ID: HA9-0.5
Date Collected: 07/08/19 10:02
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-18
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		50		mg/Kg		07/12/19 11:42	07/13/19 12:20	10
C13-C14	ND		50		mg/Kg		07/12/19 11:42	07/13/19 12:20	10
C15-C16	ND		50		mg/Kg		07/12/19 11:42	07/13/19 12:20	10
C17-C18	ND		50		mg/Kg		07/12/19 11:42	07/13/19 12:20	10
C19-C20	ND		50		mg/Kg		07/12/19 11:42	07/13/19 12:20	10
C21-C22	ND		50		mg/Kg		07/12/19 11:42	07/13/19 12:20	10

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Client Sample ID: HA9-0.5 **Lab Sample ID: 570-1231-18**
Date Collected: 07/08/19 10:02 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C23-C24	ND		50		mg/Kg		07/12/19 11:42	07/13/19 12:20	10
C25-C28	**70**		50		mg/Kg		07/12/19 11:42	07/13/19 12:20	10
C29-C32	**140**		50		mg/Kg		07/12/19 11:42	07/13/19 12:20	10
C33-C36	**120**		50		mg/Kg		07/12/19 11:42	07/13/19 12:20	10
C37-C40	**99**		50		mg/Kg		07/12/19 11:42	07/13/19 12:20	10
C41-C44	**51**		50		mg/Kg		07/12/19 11:42	07/13/19 12:20	10
C9-C10	ND		50		mg/Kg		07/12/19 11:42	07/13/19 12:20	10
C6 as C6	ND		50		mg/Kg		07/12/19 11:42	07/13/19 12:20	10
C7 as C7	ND		50		mg/Kg		07/12/19 11:42	07/13/19 12:20	10
C8 as C8	ND		50		mg/Kg		07/12/19 11:42	07/13/19 12:20	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*92*		*61 - 145*	*07/12/19 11:42*	*07/13/19 12:20*	*10*

Client Sample ID: HA10-0.5 **Lab Sample ID: 570-1231-21**
Date Collected: 07/08/19 12:10 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 12:42	1
C13-C14	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 12:42	1
C15-C16	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 12:42	1
C17-C18	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 12:42	1
C19-C20	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 12:42	1
C21-C22	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 12:42	1
C23-C24	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 12:42	1
C25-C28	**7.7**		5.0		mg/Kg		07/12/19 11:42	07/13/19 12:42	1
C29-C32	**14**		5.0		mg/Kg		07/12/19 11:42	07/13/19 12:42	1
C33-C36	**11**		5.0		mg/Kg		07/12/19 11:42	07/13/19 12:42	1
C37-C40	**8.3**		5.0		mg/Kg		07/12/19 11:42	07/13/19 12:42	1
C41-C44	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 12:42	1
C9-C10	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 12:42	1
C6 as C6	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 12:42	1
C7 as C7	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 12:42	1
C8 as C8	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*95*		*61 - 145*	*07/12/19 11:42*	*07/13/19 12:42*	*1*

Client Sample ID: HA11-0.5 **Lab Sample ID: 570-1231-24**
Date Collected: 07/08/19 12:27 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		4.9		mg/Kg		07/12/19 11:42	07/13/19 13:03	1
C13-C14	ND		4.9		mg/Kg		07/12/19 11:42	07/13/19 13:03	1
C15-C16	ND		4.9		mg/Kg		07/12/19 11:42	07/13/19 13:03	1
C17-C18	ND		4.9		mg/Kg		07/12/19 11:42	07/13/19 13:03	1
C19-C20	ND		4.9		mg/Kg		07/12/19 11:42	07/13/19 13:03	1
C21-C22	ND		4.9		mg/Kg		07/12/19 11:42	07/13/19 13:03	1
C23-C24	ND		4.9		mg/Kg		07/12/19 11:42	07/13/19 13:03	1
C25-C28	**6.0**		4.9		mg/Kg		07/12/19 11:42	07/13/19 13:03	1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Client Sample ID: HA11-0.5 **Lab Sample ID: 570-1231-24**
Date Collected: 07/08/19 12:27 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C29-C32	**11**		4.9		mg/Kg		07/12/19 11:42	07/13/19 13:03	1
C33-C36	**9.6**		4.9		mg/Kg		07/12/19 11:42	07/13/19 13:03	1
C37-C40	**7.5**		4.9		mg/Kg		07/12/19 11:42	07/13/19 13:03	1
C41-C44	ND		4.9		mg/Kg		07/12/19 11:42	07/13/19 13:03	1
C9-C10	ND		4.9		mg/Kg		07/12/19 11:42	07/13/19 13:03	1
C6 as C6	ND		4.9		mg/Kg		07/12/19 11:42	07/13/19 13:03	1
C7 as C7	ND		4.9		mg/Kg		07/12/19 11:42	07/13/19 13:03	1
C8 as C8	ND		4.9		mg/Kg		07/12/19 11:42	07/13/19 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*87*		*61 - 145*	*07/12/19 11:42*	*07/13/19 13:03*	*1*

Client Sample ID: HA12-0.5 **Lab Sample ID: 570-1231-27**
Date Collected: 07/08/19 14:42 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:25	1
C13-C14	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:25	1
C15-C16	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:25	1
C17-C18	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:25	1
C19-C20	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:25	1
C21-C22	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:25	1
C23-C24	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:25	1
C25-C28	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:25	1
C29-C32	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:25	1
C33-C36	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:25	1
C37-C40	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:25	1
C41-C44	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:25	1
C9-C10	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:25	1
C6 as C6	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:25	1
C7 as C7	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:25	1
C8 as C8	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*99*		*61 - 145*	*07/12/19 11:42*	*07/13/19 13:25*	*1*

Client Sample ID: HA13-0.5 **Lab Sample ID: 570-1231-30**
Date Collected: 07/08/19 12:55 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:46	1
C13-C14	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:46	1
C15-C16	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:46	1
C17-C18	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:46	1
C19-C20	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:46	1
C21-C22	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:46	1
C23-C24	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:46	1
C25-C28	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:46	1
C29-C32	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:46	1
C33-C36	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:46	1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Client Sample ID: HA13-0.5
Date Collected: 07/08/19 12:55
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-30
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C37-C40	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:46	1
C41-C44	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:46	1
C9-C10	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:46	1
C6 as C6	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:46	1
C7 as C7	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:46	1
C8 as C8	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*101*		*61 - 145*	*07/12/19 11:42*	*07/13/19 13:46*	*1*

Client Sample ID: HA14-0.5
Date Collected: 07/08/19 15:12
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-33
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 14:07	1
C13-C14	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 14:07	1
C15-C16	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 14:07	1
C17-C18	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 14:07	1
C19-C20	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 14:07	1
C21-C22	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 14:07	1
C23-C24	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 14:07	1
C25-C28	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 14:07	1
C29-C32	**6.0**		5.0		mg/Kg		07/12/19 11:42	07/13/19 14:07	1
C33-C36	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 14:07	1
C37-C40	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 14:07	1
C41-C44	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 14:07	1
C9-C10	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 14:07	1
C6 as C6	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 14:07	1
C7 as C7	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 14:07	1
C8 as C8	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*101*		*61 - 145*	*07/12/19 11:42*	*07/13/19 14:07*	*1*

Client Sample ID: EB1
Date Collected: 07/08/19 16:00
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-36
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		45		ug/L		07/10/19 18:41	07/12/19 22:06	1
C13-C14	ND		45		ug/L		07/10/19 18:41	07/12/19 22:06	1
C15-C16	ND		45		ug/L		07/10/19 18:41	07/12/19 22:06	1
C17-C18	ND		45		ug/L		07/10/19 18:41	07/12/19 22:06	1
C19-C20	ND		45		ug/L		07/10/19 18:41	07/12/19 22:06	1
C21-C22	ND		45		ug/L		07/10/19 18:41	07/12/19 22:06	1
C23-C24	ND		45		ug/L		07/10/19 18:41	07/12/19 22:06	1
C25-C28	ND		45		ug/L		07/10/19 18:41	07/12/19 22:06	1
C29-C32	ND		45		ug/L		07/10/19 18:41	07/12/19 22:06	1
C33-C36	ND		45		ug/L		07/10/19 18:41	07/12/19 22:06	1
C37-C40	ND		45		ug/L		07/10/19 18:41	07/12/19 22:06	1
C41-C44	ND		45		ug/L		07/10/19 18:41	07/12/19 22:06	1

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Client Sample ID: EB1
Date Collected: 07/08/19 16:00
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-36
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C9-C10	ND		45		ug/L		07/10/19 18:41	07/12/19 22:06	1
C6 as C6	ND		45		ug/L		07/10/19 18:41	07/12/19 22:06	1
C7 as C7	ND		45		ug/L		07/10/19 18:41	07/12/19 22:06	1
C8 as C8	ND		45		ug/L		07/10/19 18:41	07/12/19 22:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*112*		*68 - 140*	*07/10/19 18:41*	*07/12/19 22:06*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Client Sample ID: HA2-0.5
Date Collected: 07/08/19 09:32
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 12:19	1
4,4'-DDE	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 12:19	1
4,4'-DDT	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 12:19	1
Aldrin	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 12:19	1
alpha-BHC	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 12:19	1
beta-BHC	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 12:19	1
Chlordane	ND		25		ug/Kg		07/11/19 15:28	07/14/19 12:19	1
delta-BHC	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 12:19	1
Dieldrin	ND		1.0		ug/Kg		07/11/19 15:28	07/14/19 12:19	1
Endosulfan I	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 12:19	1
Endosulfan II	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 12:19	1
Endosulfan sulfate	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 12:19	1
Endrin	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 12:19	1
Endrin aldehyde	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 12:19	1
Endrin ketone	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 12:19	1
gamma-BHC	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 12:19	1
Heptachlor	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 12:19	1
Heptachlor epoxide	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 12:19	1
Methoxychlor	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 12:19	1
Toxaphene	ND		25		ug/Kg		07/11/19 15:28	07/14/19 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*25 - 145*	*07/11/19 15:28*	*07/14/19 12:19*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*24 - 168*	*07/11/19 15:28*	*07/14/19 12:19*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*24 - 168*	*07/11/19 15:28*	*07/14/19 12:19*	*1*

Client Sample ID: HA3-0.5
Date Collected: 07/08/19 11:20
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:33	1
4,4'-DDE	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:33	1
4,4'-DDT	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:33	1
Aldrin	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:33	1
alpha-BHC	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:33	1
beta-BHC	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:33	1
Chlordane	ND		25		ug/Kg		07/11/19 15:28	07/14/19 12:33	1
delta-BHC	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:33	1
Dieldrin	ND		0.98		ug/Kg		07/11/19 15:28	07/14/19 12:33	1
Endosulfan I	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:33	1
Endosulfan II	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:33	1
Endosulfan sulfate	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:33	1
Endrin	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:33	1
Endrin aldehyde	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:33	1
Endrin ketone	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:33	1
gamma-BHC	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:33	1
Heptachlor	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:33	1
Heptachlor epoxide	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:33	1
Methoxychlor	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:33	1
Toxaphene	ND		25		ug/Kg		07/11/19 15:28	07/14/19 12:33	1

Client Sample Results

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*86*		*25 - 145*	*07/11/19 15:28*	*07/14/19 12:33*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*24 - 168*	*07/11/19 15:28*	*07/14/19 12:33*	*1*

Client Sample ID: HA4-0.5
Date Collected: 07/08/19 10:42
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:48	1
4,4'-DDE	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:48	1
4,4'-DDT	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:48	1
Aldrin	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:48	1
alpha-BHC	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:48	1
beta-BHC	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:48	1
Chlordane	ND		25		ug/Kg		07/11/19 15:28	07/14/19 12:48	1
delta-BHC	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:48	1
Dieldrin	ND		0.99		ug/Kg		07/11/19 15:28	07/14/19 12:48	1
Endosulfan I	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:48	1
Endosulfan II	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:48	1
Endosulfan sulfate	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:48	1
Endrin	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:48	1
Endrin aldehyde	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:48	1
Endrin ketone	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:48	1
gamma-BHC	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:48	1
Heptachlor	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:48	1
Heptachlor epoxide	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:48	1
Methoxychlor	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 12:48	1
Toxaphene	ND		25		ug/Kg		07/11/19 15:28	07/14/19 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*82*		*25 - 145*	*07/11/19 15:28*	*07/14/19 12:48*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*24 - 168*	*07/11/19 15:28*	*07/14/19 12:48*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*24 - 168*	*07/11/19 15:28*	*07/14/19 12:48*	*1*

Client Sample ID: HA5-0.5
Date Collected: 07/08/19 14:02
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:02	1
4,4'-DDE	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:02	1
4,4'-DDT	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:02	1
Aldrin	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:02	1
alpha-BHC	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:02	1
beta-BHC	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:02	1
Chlordane	ND		25		ug/Kg		07/11/19 15:28	07/14/19 13:02	1
delta-BHC	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:02	1
Dieldrin	ND		1.0		ug/Kg		07/11/19 15:28	07/14/19 13:02	1
Endosulfan I	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:02	1
Endosulfan II	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:02	1
Endosulfan sulfate	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:02	1
Endrin	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:02	1
Endrin aldehyde	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:02	1
Endrin ketone	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:02	1
gamma-BHC	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:02	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: HA5-0.5
Date Collected: 07/08/19 14:02
Date Received: 07/09/19 19:40
Lab Sample ID: 570-1231-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:02	1
Heptachlor epoxide	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:02	1
Methoxychlor	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:02	1
Toxaphene	ND		25		ug/Kg		07/11/19 15:28	07/14/19 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*39*		*25 - 145*	*07/11/19 15:28*	*07/14/19 13:02*	*1*
DCB Decachlorobiphenyl (Surr)	*44*		*24 - 168*	*07/11/19 15:28*	*07/14/19 13:02*	*1*

Client Sample ID: HA7-0.5
Date Collected: 07/08/19 13:27
Date Received: 07/09/19 19:40
Lab Sample ID: 570-1231-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:16	1
4,4'-DDE	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:16	1
4,4'-DDT	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:16	1
Aldrin	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:16	1
alpha-BHC	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:16	1
beta-BHC	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:16	1
Chlordane	ND		25		ug/Kg		07/11/19 15:28	07/14/19 13:16	1
delta-BHC	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:16	1
Dieldrin	ND		0.99		ug/Kg		07/11/19 15:28	07/14/19 13:16	1
Endosulfan I	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:16	1
Endosulfan II	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:16	1
Endosulfan sulfate	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:16	1
Endrin	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:16	1
Endrin aldehyde	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:16	1
Endrin ketone	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:16	1
gamma-BHC	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:16	1
Heptachlor	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:16	1
Heptachlor epoxide	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:16	1
Methoxychlor	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:16	1
Toxaphene	ND		25		ug/Kg		07/11/19 15:28	07/14/19 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*25 - 145*	*07/11/19 15:28*	*07/14/19 13:16*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*24 - 168*	*07/11/19 15:28*	*07/14/19 13:16*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*24 - 168*	*07/11/19 15:28*	*07/14/19 13:16*	*1*

Client Sample ID: HA8-0.5
Date Collected: 07/08/19 09:02
Date Received: 07/09/19 19:40
Lab Sample ID: 570-1231-15
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:30	1
4,4'-DDE	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:30	1
4,4'-DDT	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:30	1
Aldrin	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:30	1
alpha-BHC	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:30	1
beta-BHC	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:30	1
Chlordane	ND		25		ug/Kg		07/11/19 15:28	07/14/19 13:30	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: HA8-0.5
Date Collected: 07/08/19 09:02
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-15
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:30	1
Dieldrin	ND		0.99		ug/Kg		07/11/19 15:28	07/14/19 13:30	1
Endosulfan I	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:30	1
Endosulfan II	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:30	1
Endosulfan sulfate	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:30	1
Endrin	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:30	1
Endrin aldehyde	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:30	1
Endrin ketone	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:30	1
gamma-BHC	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:30	1
Heptachlor	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:30	1
Heptachlor epoxide	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:30	1
Methoxychlor	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:30	1
Toxaphene	ND		25		ug/Kg		07/11/19 15:28	07/14/19 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*81*		*25 - 145*	*07/11/19 15:28*	*07/14/19 13:30*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*24 - 168*	*07/11/19 15:28*	*07/14/19 13:30*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*24 - 168*	*07/11/19 15:28*	*07/14/19 13:30*	*1*

Client Sample ID: HA9-0.5
Date Collected: 07/08/19 10:02
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-18
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:44	1
4,4'-DDE	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:44	1
4,4'-DDT	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:44	1
Aldrin	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:44	1
alpha-BHC	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:44	1
beta-BHC	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:44	1
Chlordane	ND		25		ug/Kg		07/11/19 15:28	07/14/19 13:44	1
delta-BHC	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:44	1
Dieldrin	ND		0.98		ug/Kg		07/11/19 15:28	07/14/19 13:44	1
Endosulfan I	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:44	1
Endosulfan II	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:44	1
Endosulfan sulfate	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:44	1
Endrin	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:44	1
Endrin aldehyde	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:44	1
Endrin ketone	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:44	1
gamma-BHC	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:44	1
Heptachlor	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:44	1
Heptachlor epoxide	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:44	1
Methoxychlor	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 13:44	1
Toxaphene	ND		25		ug/Kg		07/11/19 15:28	07/14/19 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*25 - 145*	*07/11/19 15:28*	*07/14/19 13:44*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*24 - 168*	*07/11/19 15:28*	*07/14/19 13:44*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*24 - 168*	*07/11/19 15:28*	*07/14/19 13:44*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Client Sample ID: HA10-0.5
Date Collected: 07/08/19 12:10
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-21
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:59	1
4,4'-DDE	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:59	1
4,4'-DDT	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:59	1
Aldrin	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:59	1
alpha-BHC	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:59	1
beta-BHC	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:59	1
Chlordane	ND		25		ug/Kg		07/11/19 15:28	07/14/19 13:59	1
delta-BHC	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:59	1
Dieldrin	ND		0.99		ug/Kg		07/11/19 15:28	07/14/19 13:59	1
Endosulfan I	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:59	1
Endosulfan II	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:59	1
Endosulfan sulfate	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:59	1
Endrin	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:59	1
Endrin aldehyde	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:59	1
Endrin ketone	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:59	1
gamma-BHC	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:59	1
Heptachlor	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:59	1
Heptachlor epoxide	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:59	1
Methoxychlor	ND		5.0		ug/Kg		07/11/19 15:28	07/14/19 13:59	1
Toxaphene	ND		25		ug/Kg		07/11/19 15:28	07/14/19 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*49*		*25 - 145*	*07/11/19 15:28*	*07/14/19 13:59*	*1*
DCB Decachlorobiphenyl (Surr)	*52*		*24 - 168*	*07/11/19 15:28*	*07/14/19 13:59*	*1*
DCB Decachlorobiphenyl (Surr)	*52*		*24 - 168*	*07/11/19 15:28*	*07/14/19 13:59*	*1*

Client Sample ID: HA11-0.5
Date Collected: 07/08/19 12:27
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-24
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:13	1
4,4'-DDE	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:13	1
4,4'-DDT	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:13	1
Aldrin	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:13	1
alpha-BHC	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:13	1
beta-BHC	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:13	1
Chlordane	ND		25		ug/Kg		07/11/19 15:28	07/14/19 14:13	1
delta-BHC	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:13	1
Dieldrin	ND		0.98		ug/Kg		07/11/19 15:28	07/14/19 14:13	1
Endosulfan I	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:13	1
Endosulfan II	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:13	1
Endosulfan sulfate	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:13	1
Endrin	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:13	1
Endrin aldehyde	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:13	1
Endrin ketone	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:13	1
gamma-BHC	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:13	1
Heptachlor	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:13	1
Heptachlor epoxide	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:13	1
Methoxychlor	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:13	1
Toxaphene	ND		25		ug/Kg		07/11/19 15:28	07/14/19 14:13	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*78*		*25 - 145*	*07/11/19 15:28*	*07/14/19 14:13*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*24 - 168*	*07/11/19 15:28*	*07/14/19 14:13*	*1*

Client Sample ID: HA12-0.5 **Lab Sample ID: 570-1231-27**
Date Collected: 07/08/19 14:42 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 14:27	1
4,4'-DDE	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 14:27	1
4,4'-DDT	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 14:27	1
Aldrin	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 14:27	1
alpha-BHC	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 14:27	1
beta-BHC	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 14:27	1
Chlordane	ND		25	ug/Kg		07/11/19 15:28	07/14/19 14:27	1
delta-BHC	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 14:27	1
Dieldrin	ND		1.0	ug/Kg		07/11/19 15:28	07/14/19 14:27	1
Endosulfan I	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 14:27	1
Endosulfan II	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 14:27	1
Endosulfan sulfate	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 14:27	1
Endrin	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 14:27	1
Endrin aldehyde	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 14:27	1
Endrin ketone	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 14:27	1
gamma-BHC	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 14:27	1
Heptachlor	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 14:27	1
Heptachlor epoxide	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 14:27	1
Methoxychlor	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 14:27	1
Toxaphene	ND		25	ug/Kg		07/11/19 15:28	07/14/19 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*79*		*25 - 145*	*07/11/19 15:28*	*07/14/19 14:27*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*24 - 168*	*07/11/19 15:28*	*07/14/19 14:27*	*1*

Client Sample ID: HA13-0.5 **Lab Sample ID: 570-1231-30**
Date Collected: 07/08/19 12:55 **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	ug/Kg		07/11/19 15:28	07/14/19 14:41	1
4,4'-DDE	ND		4.9	ug/Kg		07/11/19 15:28	07/14/19 14:41	1
4,4'-DDT	ND		4.9	ug/Kg		07/11/19 15:28	07/14/19 14:41	1
Aldrin	ND		4.9	ug/Kg		07/11/19 15:28	07/14/19 14:41	1
alpha-BHC	ND		4.9	ug/Kg		07/11/19 15:28	07/14/19 14:41	1
beta-BHC	ND		4.9	ug/Kg		07/11/19 15:28	07/14/19 14:41	1
Chlordane	ND		25	ug/Kg		07/11/19 15:28	07/14/19 14:41	1
delta-BHC	ND		4.9	ug/Kg		07/11/19 15:28	07/14/19 14:41	1
Dieldrin	ND		0.99	ug/Kg		07/11/19 15:28	07/14/19 14:41	1
Endosulfan I	ND		4.9	ug/Kg		07/11/19 15:28	07/14/19 14:41	1
Endosulfan II	ND		4.9	ug/Kg		07/11/19 15:28	07/14/19 14:41	1
Endosulfan sulfate	ND		4.9	ug/Kg		07/11/19 15:28	07/14/19 14:41	1
Endrin	ND		4.9	ug/Kg		07/11/19 15:28	07/14/19 14:41	1
Endrin aldehyde	ND		4.9	ug/Kg		07/11/19 15:28	07/14/19 14:41	1
Endrin ketone	ND		4.9	ug/Kg		07/11/19 15:28	07/14/19 14:41	1
gamma-BHC	ND		4.9	ug/Kg		07/11/19 15:28	07/14/19 14:41	1
Heptachlor	ND		4.9	ug/Kg		07/11/19 15:28	07/14/19 14:41	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: HA13-0.5
Date Collected: 07/08/19 12:55
Date Received: 07/09/19 19:40
Lab Sample ID: 570-1231-30
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:41	1
Methoxychlor	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:41	1
Toxaphene	ND		25		ug/Kg		07/11/19 15:28	07/14/19 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*63*		*25 - 145*	*07/11/19 15:28*	*07/14/19 14:41*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*24 - 168*	*07/11/19 15:28*	*07/14/19 14:41*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*24 - 168*	*07/11/19 15:28*	*07/14/19 14:41*	*1*

Client Sample ID: HA14-0.5
Date Collected: 07/08/19 15:12
Date Received: 07/09/19 19:40
Lab Sample ID: 570-1231-33
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:56	1
4,4'-DDE	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:56	1
4,4'-DDT	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:56	1
Aldrin	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:56	1
alpha-BHC	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:56	1
beta-BHC	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:56	1
Chlordane	ND		25		ug/Kg		07/11/19 15:28	07/14/19 14:56	1
delta-BHC	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:56	1
Dieldrin	ND		0.99		ug/Kg		07/11/19 15:28	07/14/19 14:56	1
Endosulfan I	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:56	1
Endosulfan II	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:56	1
Endosulfan sulfate	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:56	1
Endrin	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:56	1
Endrin aldehyde	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:56	1
Endrin ketone	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:56	1
gamma-BHC	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:56	1
Heptachlor	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:56	1
Heptachlor epoxide	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:56	1
Methoxychlor	ND		4.9		ug/Kg		07/11/19 15:28	07/14/19 14:56	1
Toxaphene	ND		25		ug/Kg		07/11/19 15:28	07/14/19 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*70*		*25 - 145*	*07/11/19 15:28*	*07/14/19 14:56*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*24 - 168*	*07/11/19 15:28*	*07/14/19 14:56*	*1*

Client Sample ID: EB1
Date Collected: 07/08/19 16:00
Date Received: 07/09/19 19:40
Lab Sample ID: 570-1231-36
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.048		ug/L		07/11/19 09:51	07/13/19 12:55	1
4,4'-DDE	ND		0.019		ug/L		07/11/19 09:51	07/13/19 12:55	1
4,4'-DDT	ND		0.048		ug/L		07/11/19 09:51	07/13/19 12:55	1
Aldrin	ND		0.048		ug/L		07/11/19 09:51	07/13/19 12:55	1
alpha-BHC	ND		0.019		ug/L		07/11/19 09:51	07/13/19 12:55	1
beta-BHC	ND		0.019		ug/L		07/11/19 09:51	07/13/19 12:55	1
Chlordane	ND		0.095		ug/L		07/11/19 09:51	07/13/19 12:55	1
delta-BHC	ND		0.019		ug/L		07/11/19 09:51	07/13/19 12:55	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: EB1 **Lab Sample ID: 570-1231-36**
Date Collected: 07/08/19 16:00 **Matrix: Water**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	ND		0.048		ug/L		07/11/19 09:51	07/13/19 12:55	1
Endosulfan I	ND		0.048		ug/L		07/11/19 09:51	07/13/19 12:55	1
Endosulfan II	ND		0.048		ug/L		07/11/19 09:51	07/13/19 12:55	1
Endosulfan sulfate	ND		0.048		ug/L		07/11/19 09:51	07/13/19 12:55	1
Endrin	ND		0.019		ug/L		07/11/19 09:51	07/13/19 12:55	1
Endrin aldehyde	ND		0.095		ug/L		07/11/19 09:51	07/13/19 12:55	1
Endrin ketone	ND		0.048		ug/L		07/11/19 09:51	07/13/19 12:55	1
gamma-BHC	ND		0.019		ug/L		07/11/19 09:51	07/13/19 12:55	1
Heptachlor	ND		0.019		ug/L		07/11/19 09:51	07/13/19 12:55	1
Heptachlor epoxide	ND		0.019		ug/L		07/11/19 09:51	07/13/19 12:55	1
Methoxychlor	ND		0.048		ug/L		07/11/19 09:51	07/13/19 12:55	1
Toxaphene	ND		0.29		ug/L		07/11/19 09:51	07/13/19 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*95*		*50 - 135*	*07/11/19 09:51*	*07/13/19 12:55*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*50 - 135*	*07/11/19 09:51*	*07/13/19 12:55*	*1*

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: HA8-0.5
Date Collected: 07/08/19 09:02
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-15
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		49	ug/Kg		07/11/19 15:28	07/14/19 20:09	1
PCB-1221	ND		49	ug/Kg		07/11/19 15:28	07/14/19 20:09	1
PCB-1232	ND		49	ug/Kg		07/11/19 15:28	07/14/19 20:09	1
PCB-1242	ND		49	ug/Kg		07/11/19 15:28	07/14/19 20:09	1
PCB-1248	ND		49	ug/Kg		07/11/19 15:28	07/14/19 20:09	1
PCB-1254	ND		49	ug/Kg		07/11/19 15:28	07/14/19 20:09	1
PCB-1260	ND		49	ug/Kg		07/11/19 15:28	07/14/19 20:09	1
PCB-1262	ND		49	ug/Kg		07/11/19 15:28	07/14/19 20:09	1
PCB-1268	ND		49	ug/Kg		07/11/19 15:28	07/14/19 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*89*		*24 - 168*	*07/11/19 15:28*	*07/14/19 20:09*	*1*
Tetrachloro-m-xylene	*88*		*25 - 145*	*07/11/19 15:28*	*07/14/19 20:09*	*1*

Client Sample ID: EB1
Date Collected: 07/08/19 16:00
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-36
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	*	0.48	ug/L		07/11/19 09:51	07/14/19 16:01	1
PCB-1221	ND		0.48	ug/L		07/11/19 09:51	07/14/19 16:01	1
PCB-1232	ND		0.48	ug/L		07/11/19 09:51	07/14/19 16:01	1
PCB-1242	ND		0.48	ug/L		07/11/19 09:51	07/14/19 16:01	1
PCB-1248	ND		0.48	ug/L		07/11/19 09:51	07/14/19 16:01	1
PCB-1254	ND		0.48	ug/L		07/11/19 09:51	07/14/19 16:01	1
PCB-1260	ND		0.48	ug/L		07/11/19 09:51	07/14/19 16:01	1
PCB-1262	ND		0.48	ug/L		07/11/19 09:51	07/14/19 16:01	1
PCB-1268	ND		0.48	ug/L		07/11/19 09:51	07/14/19 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*97*		*50 - 135*	*07/11/19 09:51*	*07/14/19 16:01*	*1*
Tetrachloro-m-xylene	*112*		*50 - 135*	*07/11/19 09:51*	*07/14/19 16:01*	*1*

Method: 6010B - Metals (ICP)

Client Sample ID: HA2-0.5
Date Collected: 07/08/19 09:32
Date Received: 07/09/19 19:40
Lab Sample ID: 570-1231-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.37		0.505		mg/Kg		07/11/19 17:00	07/12/19 16:17	1

Client Sample ID: HA3-0.5
Date Collected: 07/08/19 11:20
Date Received: 07/09/19 19:40
Lab Sample ID: 570-1231-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	14.2		0.505		mg/Kg		07/11/19 17:00	07/12/19 16:19	1

Client Sample ID: HA4-0.5
Date Collected: 07/08/19 10:42
Date Received: 07/09/19 19:40
Lab Sample ID: 570-1231-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.05		0.500		mg/Kg		07/11/19 17:00	07/12/19 16:21	1

Client Sample ID: HA5-0.5
Date Collected: 07/08/19 14:02
Date Received: 07/09/19 19:40
Lab Sample ID: 570-1231-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.35		0.483		mg/Kg		07/11/19 17:00	07/12/19 16:23	1

Client Sample ID: HA7-0.5
Date Collected: 07/08/19 13:27
Date Received: 07/09/19 19:40
Lab Sample ID: 570-1231-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.95		0.508		mg/Kg		07/11/19 17:00	07/12/19 16:25	1

Client Sample ID: HA8-0.5
Date Collected: 07/08/19 09:02
Date Received: 07/09/19 19:40
Lab Sample ID: 570-1231-15
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.65		0.481		mg/Kg		07/11/19 17:00	07/12/19 16:27	1

Client Sample ID: HA9-0.5
Date Collected: 07/08/19 10:02
Date Received: 07/09/19 19:40
Lab Sample ID: 570-1231-18
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	17.2		0.505		mg/Kg		07/11/19 17:00	07/12/19 16:28	1

Client Sample ID: HA10-0.5
Date Collected: 07/08/19 12:10
Date Received: 07/09/19 19:40
Lab Sample ID: 570-1231-21
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.71		0.493		mg/Kg		07/11/19 17:00	07/12/19 16:30	1

Client Sample ID: HA11-0.5
Date Collected: 07/08/19 12:27
Date Received: 07/09/19 19:40
Lab Sample ID: 570-1231-24
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.60		0.505		mg/Kg		07/11/19 17:00	07/12/19 16:37	1

Client Sample Results

Client: EFI Global, Inc.
Job ID: 570-1231-1
Project/Site: WH Taft HS

Method: 6010B - Metals (ICP)

Client Sample ID: HA12-0.5
Lab Sample ID: 570-1231-27
Date Collected: 07/08/19 14:42
Matrix: Solid
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**1.68**		0.498		mg/Kg		07/11/19 17:00	07/12/19 16:39	1

Client Sample ID: HA13-0.5
Lab Sample ID: 570-1231-30
Date Collected: 07/08/19 12:55
Matrix: Solid
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**3.04**		0.495		mg/Kg		07/11/19 17:00	07/12/19 16:41	1

Client Sample ID: HA14-0.5
Lab Sample ID: 570-1231-33
Date Collected: 07/08/19 15:12
Matrix: Solid
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**1.45**		0.490		mg/Kg		07/11/19 17:00	07/12/19 15:29	1

Client Sample ID: EB1
Lab Sample ID: 570-1231-36
Date Collected: 07/08/19 16:00
Matrix: Water
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0500		mg/L		07/12/19 15:00	07/15/19 16:44	1

Client: EFI Global, Inc. Job ID: 570-1231-1
Project/Site: WH Taft HS

Method: 6020 - Metals (ICP/MS)

Client Sample ID: HA2-0.5 — **Lab Sample ID: 570-1231-1**
Date Collected: 07/08/19 09:32 — **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.63		1.01		mg/Kg		07/11/19 19:00	07/12/19 14:22	20

Client Sample ID: HA3-0.5 — **Lab Sample ID: 570-1231-4**
Date Collected: 07/08/19 11:20 — **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.18		1.01		mg/Kg		07/11/19 19:00	07/12/19 14:58	20

Client Sample ID: HA4-0.5 — **Lab Sample ID: 570-1231-7**
Date Collected: 07/08/19 10:42 — **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.52		1.02		mg/Kg		07/11/19 19:00	07/12/19 14:25	20

Client Sample ID: HA5-0.5 — **Lab Sample ID: 570-1231-10**
Date Collected: 07/08/19 14:02 — **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.60		0.966		mg/Kg		07/11/19 19:00	07/12/19 14:28	20

Client Sample ID: HA7-0.5 — **Lab Sample ID: 570-1231-12**
Date Collected: 07/08/19 13:27 — **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.77		0.966		mg/Kg		07/11/19 19:00	07/12/19 14:31	20

Client Sample ID: HA8-0.5 — **Lab Sample ID: 570-1231-15**
Date Collected: 07/08/19 09:02 — **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.86		0.985		mg/Kg		07/11/19 19:00	07/12/19 14:33	20

Client Sample ID: HA9-0.5 — **Lab Sample ID: 570-1231-18**
Date Collected: 07/08/19 10:02 — **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.59		0.976		mg/Kg		07/11/19 19:00	07/12/19 14:36	20

Client Sample ID: HA10-0.5 — **Lab Sample ID: 570-1231-21**
Date Collected: 07/08/19 12:10 — **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.17		0.971		mg/Kg		07/11/19 19:00	07/12/19 14:39	20

Client Sample ID: HA11-0.5 — **Lab Sample ID: 570-1231-24**
Date Collected: 07/08/19 12:27 — **Matrix: Solid**
Date Received: 07/09/19 19:40

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.01		mg/Kg		07/11/19 19:00	07/12/19 14:42	20

Method: 6020 - Metals (ICP/MS)

Client Sample ID: HA12-0.5
Date Collected: 07/08/19 14:42
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-27
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.995		mg/Kg		07/11/19 19:00	07/12/19 14:45	20

Client Sample ID: HA13-0.5
Date Collected: 07/08/19 12:55
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-30
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.49**		0.976		mg/Kg		07/11/19 19:00	07/12/19 14:47	20

Client Sample ID: HA14-0.5
Date Collected: 07/08/19 15:12
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-33
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.00		mg/Kg		07/11/19 19:00	07/12/19 14:03	20

Client Sample ID: EB1
Date Collected: 07/08/19 16:00
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-36
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00100		mg/L		07/12/19 15:00	07/15/19 18:46	1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(71-155)	(80-120)	(79-133)	(80-120)
570-1231-1	HA2-0.5	110	92	102	100
570-1231-4	HA3-0.5	113	91	108	100
570-1231-7	HA4-0.5	116	91	109	99
570-1231-10	HA5-0.5	115	92	110	101
570-1231-12	HA7-0.5	115	91	106	101
570-1231-15	HA8-0.5	119	91	108	101
570-1231-18	HA9-0.5	116	88	107	99
570-1231-21	HA10-0.5	120	88	108	101
570-1231-24	HA11-0.5	117	91	107	100
570-1231-27	HA12-0.5	118	88	109	99
570-1231-30	HA13-0.5	119	90	108	100
570-1231-33	HA14-0.5	113	91	106	99
LCS 570-4786/3	Lab Control Sample	85	98	95	100
LCS 570-5069/4	Lab Control Sample	85	100	92	101
LCSD 570-4786/4	Lab Control Sample Dup	86	98	95	100
LCSD 570-5069/5	Lab Control Sample Dup	85	99	92	100
MB 570-4737/29-A	Method Blank	94	90	99	99
MB 570-4743/14-A	Method Blank	92	91	96	100
MB 570-5069/8	Method Blank	91	91	94	100

Surrogate Legend

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

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-129)	(77-120)	(80-128)	(80-120)
570-1231-36	EB1	104	100	105	99
LCS 570-5040/4	Lab Control Sample	104	97	103	99
LCSD 570-5040/5	Lab Control Sample Dup	105	100	102	99
MB 570-5040/8	Method Blank	103	98	103	100

Surrogate Legend

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

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL6
Lab Sample ID	Client Sample ID	(18-138)	(27-120)	(25-120)	(33-123)	(27-159)	(26-122)
570-1231-1	HA2-0.5	86	72	67	57	86	75
570-1231-4	HA3-0.5	65	60	58	49	79	64

Client: EFI Global, Inc.	Job ID: 570-1231-1
Project/Site: WH Taft HS

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

### Matrix: Solid	Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL6
Lab Sample ID	Client Sample ID	(18-138)	(27-120)	(25-120)	(33-123)	(27-159)	(26-122)
570-1231-7	HA4-0.5	69	56	53	42	76	59
570-1231-10	HA5-0.5	93	80	83	76	101	85
570-1231-10 MS	HA5-0.5	78	72	71	68	83	73
570-1231-10 MSD	HA5-0.5	75	70	71	66	81	74
570-1231-12	HA7-0.5	68	61	54	45	92	61
570-1231-15	HA8-0.5	82	79	77	72	88	75
570-1231-18	HA9-0.5	58	54	51	43	61	54
570-1231-21	HA10-0.5	79	71	68	62	87	73
570-1231-24	HA11-0.5	85	74	69	62	101	75
570-1231-27	HA12-0.5	59	64	55	56	71	64
570-1231-30	HA13-0.5	87	61	58	47	100	64
570-1231-33	HA14-0.5	93	73	74	60	107	80
570-1363-A-1-A MS	Matrix Spike	82	76	72	64	94	81
570-1363-A-1-B MSD	Matrix Spike Duplicate	68	61	58	53	75	61
LCS 570-4539/2-A	Lab Control Sample	80	78	78	74	98	84
LCS 570-6519/2-A	Lab Control Sample	92	89	83	81	105	87
MB 570-4539/1-A	Method Blank	83	82	74	78	94	81
MB 570-6519/1-A	Method Blank	124	109	102	101	120	105

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL6 = Phenol-d6 (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

### Matrix: Water	Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL6
Lab Sample ID	Client Sample ID	(32-143)	(45-120)	(15-138)	(56-123)	(46-133)	(17-141)
570-1231-36	EB1	93	88	54	83	101	33
LCS 570-4301/2-A	Lab Control Sample	74	76	50	71	85	35
LCSD 570-4301/3-A	Lab Control Sample Dup	76	81	50	74	89	35
MB 570-4301/1-A - DL	Method Blank	97	90	63	87	106	40

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL6 = Phenol-d6 (Surr)

Surrogate Summary

Client: EFI Global, Inc.
Job ID: 570-1231-1
Project/Site: WH Taft HS

Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Solid **Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (42-126)
570-1231-1	HA2-0.5	95
570-1231-4	HA3-0.5	95
570-1231-7	HA4-0.5	95
570-1231-10	HA5-0.5	96
570-1231-12	HA7-0.5	98
570-1231-15	HA8-0.5	98
570-1231-18	HA9-0.5	92
570-1231-21	HA10-0.5	89
570-1231-21 MS	HA10-0.5	102
570-1231-21 MSD	HA10-0.5	101
570-1231-24	HA11-0.5	94
570-1231-27	HA12-0.5	96
570-1231-30	HA13-0.5	98
570-1231-33	HA14-0.5	94
LCS 570-4929/1-A	Lab Control Sample	102
LCSD 570-4929/2-A	Lab Control Sample Dup	104
MB 570-4929/3-A	Method Blank	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Water **Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (38-134)
570-1231-36	EB1	66
570-1342-D-1 MS	Matrix Spike	81
570-1342-D-1 MSD	Matrix Spike Duplicate	78
LCS 570-4478/3	Lab Control Sample	80
LCSD 570-4478/4	Lab Control Sample Dup	74
MB 570-4478/5	Method Blank	66

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (61-145)
570-1231-1	HA2-0.5	95
570-1231-4	HA3-0.5	94
570-1231-7	HA4-0.5	90
570-1231-7 MS	HA4-0.5	94
570-1231-7 MSD	HA4-0.5	87
570-1231-10	HA5-0.5	86
570-1231-12	HA7-0.5	96
570-1231-15	HA8-0.5	94
570-1231-18	HA9-0.5	92

Surrogate Summary

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (61-145)
570-1231-21	HA10-0.5	95
570-1231-24	HA11-0.5	87
570-1231-27	HA12-0.5	99
570-1231-30	HA13-0.5	101
570-1231-33	HA14-0.5	101
570-1375-B-1-A MS	Matrix Spike	105
570-1375-B-1-B MSD	Matrix Spike Duplicate	91
LCS 570-4766/2-A	Lab Control Sample	86
LCS 570-4861/2-A	Lab Control Sample	89
MB 570-4766/1-A	Method Blank	90
MB 570-4861/1-A	Method Blank	81

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Water **Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (68-140)
570-1231-36	EB1	112
LCS 570-4408/2-A	Lab Control Sample	97
LCSD 570-4408/3-A	Lab Control Sample Dup	100
MB 570-4408/1-A	Method Blank	102

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX2 (25-145)	DCB1 (24-168)	DCB2 (24-168)
570-1231-1	HA2-0.5	80	93	98

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (25-145)	DCB1 (24-168)
570-1231-4	HA3-0.5	86	86
570-1231-7 MS	HA4-0.5	85	87
570-1231-7 MSD	HA4-0.5	76	86
570-1231-10	HA5-0.5	39	44
570-1231-24	HA11-0.5	78	86
570-1231-27	HA12-0.5	79	86

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(25-145)	(24-168)
570-1231-33	HA14-0.5	70	78
LCS 570-4591/2-A	Lab Control Sample	88	90
MB 570-4591/1-A	Method Blank	91	88

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		TCX1	DCB1	DCB2
Lab Sample ID	Client Sample ID	(25-145)	(24-168)	(24-168)
570-1231-7	HA4-0.5	82	82	83
570-1231-12	HA7-0.5	80	82	91
570-1231-15	HA8-0.5	81	83	85
570-1231-18	HA9-0.5	80	82	89
570-1231-21	HA10-0.5	49	52	52
570-1231-30	HA13-0.5	63	70	75

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(50-135)	(50-135)
570-1231-36	EB1	95	70
LCS 570-4445/4-A	Lab Control Sample	86	71
LCSD 570-4445/5-A	Lab Control Sample Dup	85	70
MB 570-4445/1-A	Method Blank	93	89

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX2
Lab Sample ID	Client Sample ID	(24-168)	(25-145)
570-1231-15	HA8-0.5	89	88
570-1231-15 MS	HA8-0.5	93	88
570-1231-15 MSD	HA8-0.5	99	94
LCS 570-4591/20-A	Lab Control Sample	93	90
MB 570-4591/1-A	Method Blank	94	98

Surrogate Legend

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX2
Lab Sample ID	Client Sample ID	(50-135)	(50-135)
570-1231-36	EB1	97	112
LCS 570-4445/2-A	Lab Control Sample	121	116
LCSD 570-4445/3-A	Lab Control Sample Dup	92	85
MB 570-4445/1-A	Method Blank	108	101

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

Client: EFI Global, Inc. Job ID: 570-1231-1
Project/Site: WH Taft HS

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

Lab Sample ID: MB 570-4737/29-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4786 **Prep Batch: 4737**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
1,1-Dichloroethane	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
1,1-Dichloroethene	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
1,1-Dichloropropene	ND		2.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
1,2-Dibromoethane	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
1,2-Dichloroethane	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
1,2-Dichloropropane	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
1,3-Dichloropropane	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
2,2-Dichloropropane	ND		5.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
2-Butanone	ND		20		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
1,4-Dioxane	ND		100		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
2-Chlorotoluene	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
2-Hexanone	ND		20		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
4-Chlorotoluene	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
4-Methyl-2-pentanone	ND		20		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Acetone	ND		50		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Benzene	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Bromobenzene	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Bromochloromethane	ND		2.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Bromodichloromethane	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Bromoform	ND		5.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Bromomethane	ND		20		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Carbon disulfide	ND		10		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Carbon tetrachloride	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Chlorobenzene	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Chloroethane	ND		2.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Chloroform	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Chloromethane	ND		20		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Dibromochloromethane	ND		2.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Dibromomethane	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Ethanol	ND		500		ug/Kg		07/12/19 13:55	07/12/19 15:51	1

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

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

Lab Sample ID: MB 570-4737/29-A
Matrix: Solid
Analysis Batch: 4786

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4737

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Isopropylbenzene	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Methylene Chloride	ND		10		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Naphthalene	ND		10		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
n-Butylbenzene	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
N-Propylbenzene	ND		2.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
o-Xylene	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
m,p-Xylene	ND		2.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
p-Isopropyltoluene	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
sec-Butylbenzene	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Styrene	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
tert-Butylbenzene	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Tetrachloroethene	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Toluene	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Trichloroethene	ND		2.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Trichlorofluoromethane	ND		10		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Vinyl acetate	ND		10		ug/Kg		07/12/19 13:55	07/12/19 15:51	1
Vinyl chloride	ND		1.0		ug/Kg		07/12/19 13:55	07/12/19 15:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*71 - 155*	*07/12/19 13:55*	*07/12/19 15:51*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*	*07/12/19 13:55*	*07/12/19 15:51*	*1*
Dibromofluoromethane	*99*		*79 - 133*	*07/12/19 13:55*	*07/12/19 15:51*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*07/12/19 13:55*	*07/12/19 15:51*	*1*

Lab Sample ID: MB 570-4743/14-A
Matrix: Solid
Analysis Batch: 4786

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4743

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
1,1,1-Trichloroethane	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
1,1,2,2-Tetrachloroethane	ND		200		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		990		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
1,1,2-Trichloroethane	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
1,1-Dichloroethane	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
1,1-Dichloroethene	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
1,1-Dichloropropene	ND		200		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
1,2,3-Trichlorobenzene	ND		200		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
1,2,3-Trichloropropane	ND		200		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
1,2,4-Trichlorobenzene	ND		200		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
1,2,4-Trimethylbenzene	ND		200		ug/Kg		07/12/19 13:57	07/12/19 15:11	50

QC Sample Results

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

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

Lab Sample ID: MB 570-4743/14-A
Matrix: Solid
Analysis Batch: 4786

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4743

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		990		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
1,2-Dibromoethane	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
1,2-Dichlorobenzene	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
1,2-Dichloroethane	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
1,2-Dichloropropane	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
1,3,5-Trimethylbenzene	ND		200		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
1,3-Dichlorobenzene	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
1,3-Dichloropropane	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
1,4-Dichlorobenzene	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
2,2-Dichloropropane	ND		500		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
2-Butanone	ND		2000		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
1,4-Dioxane	ND		9900		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
2-Chlorotoluene	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
2-Hexanone	ND		2000		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
4-Chlorotoluene	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
4-Methyl-2-pentanone	ND		2000		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Acetone	ND		5000		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Benzene	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Bromobenzene	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Bromochloromethane	ND		200		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Bromodichloromethane	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Bromoform	ND		500		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Bromomethane	ND		2000		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
cis-1,2-Dichloroethene	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
cis-1,3-Dichloropropene	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Carbon disulfide	ND		990		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Carbon tetrachloride	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Chlorobenzene	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Chloroethane	ND		200		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Chloroform	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Chloromethane	ND		2000		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Dibromochloromethane	ND		200		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Dibromomethane	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Dichlorodifluoromethane	ND		200		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Di-isopropyl ether (DIPE)	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Ethanol	ND		50000		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Ethylbenzene	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Ethyl-t-butyl ether (ETBE)	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Isopropylbenzene	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Methylene Chloride	ND		990		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Methyl-t-Butyl Ether (MTBE)	ND		200		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Naphthalene	ND		990		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
n-Butylbenzene	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
N-Propylbenzene	ND		200		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
o-Xylene	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
m,p-Xylene	ND		200		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
p-Isopropyltoluene	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
sec-Butylbenzene	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Styrene	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50

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

Lab Sample ID: MB 570-4743/14-A
Matrix: Solid
Analysis Batch: 4786

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4743

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
trans-1,3-Dichloropropene	ND		200		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Tert-amyl-methyl ether (TAME)	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
tert-Butyl alcohol (TBA)	ND		2000		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
tert-Butylbenzene	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Tetrachloroethene	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Toluene	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Trichloroethene	ND		200		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Trichlorofluoromethane	ND		990		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Vinyl acetate	ND		990		ug/Kg		07/12/19 13:57	07/12/19 15:11	50
Vinyl chloride	ND		99		ug/Kg		07/12/19 13:57	07/12/19 15:11	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*71 - 155*	*07/12/19 13:57*	*07/12/19 15:11*	*50*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*	*07/12/19 13:57*	*07/12/19 15:11*	*50*
Dibromofluoromethane	*96*		*79 - 133*	*07/12/19 13:57*	*07/12/19 15:11*	*50*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/12/19 13:57*	*07/12/19 15:11*	*50*

Lab Sample ID: LCS 570-4786/3
Matrix: Solid
Analysis Batch: 4786

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	50.0	46.11		ug/Kg		92	71 - 125
1,2-Dibromoethane	50.0	47.71		ug/Kg		95	80 - 120
1,2-Dichlorobenzene	50.0	50.98		ug/Kg		102	80 - 120
1,2-Dichloroethane	50.0	42.69		ug/Kg		85	79 - 121
1,4-Dioxane	500	464.9		ug/Kg		93	80 - 120
Benzene	50.0	48.08		ug/Kg		96	79 - 120
Carbon tetrachloride	50.0	44.61		ug/Kg		89	58 - 142
Chlorobenzene	50.0	47.90		ug/Kg		96	80 - 120
Di-isopropyl ether (DIPE)	50.0	47.29		ug/Kg		95	65 - 131
Ethanol	500	447.9	J	ug/Kg		90	32 - 158
Ethylbenzene	50.0	49.10		ug/Kg		98	57 - 153
Ethyl-t-butyl ether (ETBE)	50.0	46.90		ug/Kg		94	58 - 136
Methyl-t-Butyl Ether (MTBE)	50.0	43.31		ug/Kg		87	64 - 124
o-Xylene	50.0	48.29		ug/Kg		97	79 - 127
m,p-Xylene	100	96.53		ug/Kg		97	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*85*		*71 - 155*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane	*95*		*79 - 133*
Toluene-d8 (Surr)	*100*		*80 - 120*

Client: EFI Global, Inc. Job ID: 570-1231-1
Project/Site: WH Taft HS

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

Lab Sample ID: LCSD 570-4786/4 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4786

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	50.0	46.50		ug/Kg		93	71 - 125	1	20
1,2-Dibromoethane	50.0	48.95		ug/Kg		98	80 - 120	3	20
1,2-Dichlorobenzene	50.0	51.02		ug/Kg		102	80 - 120	0	20
1,2-Dichloroethane	50.0	43.22		ug/Kg		86	79 - 121	1	20
1,4-Dioxane	500	515.4		ug/Kg		103	80 - 120	10	20
Benzene	50.0	48.38		ug/Kg		97	79 - 120	1	20
Carbon tetrachloride	50.0	44.79		ug/Kg		90	58 - 142	0	20
Chlorobenzene	50.0	48.21		ug/Kg		96	80 - 120	1	20
Di-isopropyl ether (DIPE)	50.0	48.15		ug/Kg		96	65 - 131	2	20
Ethanol	500	463.9	J	ug/Kg		93	32 - 158	4	27
Ethylbenzene	50.0	49.35		ug/Kg		99	57 - 153	0	20
Ethyl-t-butyl ether (ETBE)	50.0	47.20		ug/Kg		94	58 - 136	1	20
Methyl-t-Butyl Ether (MTBE)	50.0	44.02		ug/Kg		88	64 - 124	2	20
o-Xylene	50.0	48.25		ug/Kg		96	79 - 127	0	20
m,p-Xylene	100	96.19		ug/Kg		96	80 - 122	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*71 - 155*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane	*95*		*79 - 133*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 570-5040/8 **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5040

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	ug/L			07/13/19 20:43	1
1,1,1-Trichloroethane	ND		1.0	ug/L			07/13/19 20:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L			07/13/19 20:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	ug/L			07/13/19 20:43	1
1,1,2-Trichloroethane	ND		1.0	ug/L			07/13/19 20:43	1
1,1-Dichloroethane	ND		1.0	ug/L			07/13/19 20:43	1
1,1-Dichloroethene	ND		1.0	ug/L			07/13/19 20:43	1
1,1-Dichloropropene	ND		1.0	ug/L			07/13/19 20:43	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			07/13/19 20:43	1
1,2,3-Trichloropropane	ND		5.0	ug/L			07/13/19 20:43	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			07/13/19 20:43	1
1,2,4-Trimethylbenzene	ND		1.0	ug/L			07/13/19 20:43	1
1,2-Dibromo-3-Chloropropane	ND		10	ug/L			07/13/19 20:43	1
1,2-Dibromoethane	ND		1.0	ug/L			07/13/19 20:43	1
1,2-Dichlorobenzene	ND		1.0	ug/L			07/13/19 20:43	1
1,2-Dichloroethane	ND		0.50	ug/L			07/13/19 20:43	1
1,2-Dichloropropane	ND		1.0	ug/L			07/13/19 20:43	1
1,3,5-Trimethylbenzene	ND		1.0	ug/L			07/13/19 20:43	1
1,3-Dichlorobenzene	ND		1.0	ug/L			07/13/19 20:43	1
1,3-Dichloropropane	ND		1.0	ug/L			07/13/19 20:43	1
1,4-Dichlorobenzene	ND		1.0	ug/L			07/13/19 20:43	1

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

Lab Sample ID: MB 570-5040/8 **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5040

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		1.0		ug/L			07/13/19 20:43	1
2-Butanone	ND		20		ug/L			07/13/19 20:43	1
1,4-Dioxane	ND		100		ug/L			07/13/19 20:43	1
2-Chlorotoluene	ND		1.0		ug/L			07/13/19 20:43	1
2-Hexanone	ND		10		ug/L			07/13/19 20:43	1
4-Chlorotoluene	ND		1.0		ug/L			07/13/19 20:43	1
4-Methyl-2-pentanone	ND		10		ug/L			07/13/19 20:43	1
Acetone	ND		20		ug/L			07/13/19 20:43	1
Benzene	ND		1.0		ug/L			07/13/19 20:43	1
Bromobenzene	ND		1.0		ug/L			07/13/19 20:43	1
Bromochloromethane	ND		2.0		ug/L			07/13/19 20:43	1
Bromodichloromethane	ND		1.0		ug/L			07/13/19 20:43	1
Bromoform	ND		5.0		ug/L			07/13/19 20:43	1
Bromomethane	ND		50		ug/L			07/13/19 20:43	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			07/13/19 20:43	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			07/13/19 20:43	1
Carbon disulfide	ND		10		ug/L			07/13/19 20:43	1
Carbon tetrachloride	ND		0.50		ug/L			07/13/19 20:43	1
Chlorobenzene	ND		1.0		ug/L			07/13/19 20:43	1
Chloroethane	ND		5.0		ug/L			07/13/19 20:43	1
Chloroform	ND		1.0		ug/L			07/13/19 20:43	1
Chloromethane	ND		10		ug/L			07/13/19 20:43	1
Dibromochloromethane	ND		2.0		ug/L			07/13/19 20:43	1
Dibromomethane	ND		1.0		ug/L			07/13/19 20:43	1
Dichlorodifluoromethane	ND		5.0		ug/L			07/13/19 20:43	1
Di-isopropyl ether (DIPE)	ND		2.0		ug/L			07/13/19 20:43	1
Ethanol	ND		100		ug/L			07/13/19 20:43	1
Ethylbenzene	ND		1.0		ug/L			07/13/19 20:43	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			07/13/19 20:43	1
Isopropylbenzene	ND		1.0		ug/L			07/13/19 20:43	1
Methylene Chloride	ND		10		ug/L			07/13/19 20:43	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			07/13/19 20:43	1
Naphthalene	ND		10		ug/L			07/13/19 20:43	1
n-Butylbenzene	ND		1.0		ug/L			07/13/19 20:43	1
N-Propylbenzene	ND		1.0		ug/L			07/13/19 20:43	1
o-Xylene	ND		1.0		ug/L			07/13/19 20:43	1
m,p-Xylene	ND		2.0		ug/L			07/13/19 20:43	1
p-Isopropyltoluene	ND		1.0		ug/L			07/13/19 20:43	1
sec-Butylbenzene	ND		1.0		ug/L			07/13/19 20:43	1
Styrene	ND		1.0		ug/L			07/13/19 20:43	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			07/13/19 20:43	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			07/13/19 20:43	1
Tert-amyl-methyl ether (TAME)	ND		2.0		ug/L			07/13/19 20:43	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			07/13/19 20:43	1
tert-Butylbenzene	ND		1.0		ug/L			07/13/19 20:43	1
Tetrachloroethene	ND		1.0		ug/L			07/13/19 20:43	1
Toluene	ND		1.0		ug/L			07/13/19 20:43	1
Trichloroethene	ND		1.0		ug/L			07/13/19 20:43	1
Trichlorofluoromethane	ND		10		ug/L			07/13/19 20:43	1

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

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

Lab Sample ID: MB 570-5040/8
Matrix: Water
Analysis Batch: 5040

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	ND		10		ug/L			07/13/19 20:43	1
Vinyl chloride	ND		0.50		ug/L			07/13/19 20:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 129*		*07/13/19 20:43*	*1*
4-Bromofluorobenzene (Surr)	*98*		*77 - 120*		*07/13/19 20:43*	*1*
Dibromofluoromethane	*103*		*80 - 128*		*07/13/19 20:43*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/13/19 20:43*	*1*

Lab Sample ID: LCS 570-5040/4
Matrix: Water
Analysis Batch: 5040

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	50.0	55.42		ug/L		111	64 - 136
1,2-Dibromoethane	50.0	53.91		ug/L		108	80 - 120
1,2-Dichlorobenzene	50.0	56.98		ug/L		114	80 - 120
1,2-Dichloroethane	50.0	54.18		ug/L		108	75 - 123
1,4-Dioxane	500	516.8		ug/L		103	64 - 130
Benzene	50.0	53.09		ug/L		106	78 - 120
Carbon tetrachloride	50.0	54.76		ug/L		110	67 - 139
Chlorobenzene	50.0	54.38		ug/L		109	80 - 120
Di-isopropyl ether (DIPE)	50.0	52.96		ug/L		106	72 - 132
Ethanol	500	506.5		ug/L		101	56 - 150
Ethylbenzene	50.0	54.15		ug/L		108	80 - 120
Ethyl-t-butyl ether (ETBE)	50.0	53.74		ug/L		107	74 - 122
Methyl-t-Butyl Ether (MTBE)	50.0	53.27		ug/L		107	77 - 120
o-Xylene	50.0	55.77		ug/L		112	80 - 125
m,p-Xylene	100	107.1		ug/L		107	80 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 129*
4-Bromofluorobenzene (Surr)	*97*		*77 - 120*
Dibromofluoromethane	*103*		*80 - 128*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 570-5040/5
Matrix: Water
Analysis Batch: 5040

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	50.0	55.14		ug/L		110	64 - 136	1	30
1,2-Dibromoethane	50.0	53.23		ug/L		106	80 - 120	1	30
1,2-Dichlorobenzene	50.0	53.92		ug/L		108	80 - 120	6	20
1,2-Dichloroethane	50.0	52.51		ug/L		105	75 - 123	3	24
1,4-Dioxane	500	489.5		ug/L		98	64 - 130	5	30
Benzene	50.0	52.07		ug/L		104	78 - 120	2	21
Carbon tetrachloride	50.0	54.32		ug/L		109	67 - 139	1	30

Client: EFI Global, Inc. Job ID: 570-1231-1
Project/Site: WH Taft HS

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

Lab Sample ID: LCSD 570-5040/5 **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5040

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	50.0	52.58		ug/L		105	80 - 120	3	20
Di-isopropyl ether (DIPE)	50.0	52.14		ug/L		104	72 - 132	2	29
Ethanol	500	475.3		ug/L		95	56 - 150	6	30
Ethylbenzene	50.0	53.15		ug/L		106	80 - 120	2	20
Ethyl-t-butyl ether (ETBE)	50.0	53.48		ug/L		107	74 - 122	0	27
Methyl-t-Butyl Ether (MTBE)	50.0	52.89		ug/L		106	77 - 120	1	24
o-Xylene	50.0	54.52		ug/L		109	80 - 125	2	20
m,p-Xylene	100	103.9		ug/L		104	80 - 125	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 129*
4-Bromofluorobenzene (Surr)	*100*		*77 - 120*
Dibromofluoromethane	*102*		*80 - 128*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 570-5069/8 **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5069

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg			07/13/19 20:36	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg			07/13/19 20:36	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			07/13/19 20:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg			07/13/19 20:36	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg			07/13/19 20:36	1
1,1-Dichloroethane	ND		1.0		ug/Kg			07/13/19 20:36	1
1,1-Dichloroethene	ND		1.0		ug/Kg			07/13/19 20:36	1
1,1-Dichloropropene	ND		2.0		ug/Kg			07/13/19 20:36	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg			07/13/19 20:36	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg			07/13/19 20:36	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg			07/13/19 20:36	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg			07/13/19 20:36	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			07/13/19 20:36	1
1,2-Dibromoethane	ND		1.0		ug/Kg			07/13/19 20:36	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg			07/13/19 20:36	1
1,2-Dichloroethane	ND		1.0		ug/Kg			07/13/19 20:36	1
1,2-Dichloropropane	ND		1.0		ug/Kg			07/13/19 20:36	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg			07/13/19 20:36	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg			07/13/19 20:36	1
1,3-Dichloropropane	ND		1.0		ug/Kg			07/13/19 20:36	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg			07/13/19 20:36	1
2,2-Dichloropropane	ND		5.0		ug/Kg			07/13/19 20:36	1
2-Butanone	ND		20		ug/Kg			07/13/19 20:36	1
1,4-Dioxane	ND		100		ug/Kg			07/13/19 20:36	1
2-Chlorotoluene	ND		1.0		ug/Kg			07/13/19 20:36	1
2-Hexanone	ND		20		ug/Kg			07/13/19 20:36	1
4-Chlorotoluene	ND		1.0		ug/Kg			07/13/19 20:36	1
4-Methyl-2-pentanone	ND		20		ug/Kg			07/13/19 20:36	1

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

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

Lab Sample ID: MB 570-5069/8
Matrix: Solid
Analysis Batch: 5069

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50		ug/Kg			07/13/19 20:36	1
Benzene	ND		1.0		ug/Kg			07/13/19 20:36	1
Bromobenzene	ND		1.0		ug/Kg			07/13/19 20:36	1
Bromochloromethane	ND		2.0		ug/Kg			07/13/19 20:36	1
Bromodichloromethane	ND		1.0		ug/Kg			07/13/19 20:36	1
Bromoform	ND		5.0		ug/Kg			07/13/19 20:36	1
Bromomethane	ND		20		ug/Kg			07/13/19 20:36	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg			07/13/19 20:36	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg			07/13/19 20:36	1
Carbon disulfide	ND		10		ug/Kg			07/13/19 20:36	1
Carbon tetrachloride	ND		1.0		ug/Kg			07/13/19 20:36	1
Chlorobenzene	ND		1.0		ug/Kg			07/13/19 20:36	1
Chloroethane	ND		2.0		ug/Kg			07/13/19 20:36	1
Chloroform	ND		1.0		ug/Kg			07/13/19 20:36	1
Chloromethane	ND		20		ug/Kg			07/13/19 20:36	1
Dibromochloromethane	ND		2.0		ug/Kg			07/13/19 20:36	1
Dibromomethane	ND		1.0		ug/Kg			07/13/19 20:36	1
Dichlorodifluoromethane	ND		2.0		ug/Kg			07/13/19 20:36	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg			07/13/19 20:36	1
Ethanol	ND		500		ug/Kg			07/13/19 20:36	1
Ethylbenzene	ND		1.0		ug/Kg			07/13/19 20:36	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg			07/13/19 20:36	1
Isopropylbenzene	ND		1.0		ug/Kg			07/13/19 20:36	1
Methylene Chloride	ND		10		ug/Kg			07/13/19 20:36	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg			07/13/19 20:36	1
Naphthalene	ND		10		ug/Kg			07/13/19 20:36	1
n-Butylbenzene	ND		1.0		ug/Kg			07/13/19 20:36	1
N-Propylbenzene	ND		2.0		ug/Kg			07/13/19 20:36	1
o-Xylene	ND		1.0		ug/Kg			07/13/19 20:36	1
m,p-Xylene	ND		2.0		ug/Kg			07/13/19 20:36	1
p-Isopropyltoluene	ND		1.0		ug/Kg			07/13/19 20:36	1
sec-Butylbenzene	ND		1.0		ug/Kg			07/13/19 20:36	1
Styrene	ND		1.0		ug/Kg			07/13/19 20:36	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg			07/13/19 20:36	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg			07/13/19 20:36	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg			07/13/19 20:36	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg			07/13/19 20:36	1
tert-Butylbenzene	ND		1.0		ug/Kg			07/13/19 20:36	1
Tetrachloroethene	ND		1.0		ug/Kg			07/13/19 20:36	1
Toluene	ND		1.0		ug/Kg			07/13/19 20:36	1
Trichloroethene	ND		2.0		ug/Kg			07/13/19 20:36	1
Trichlorofluoromethane	ND		10		ug/Kg			07/13/19 20:36	1
Vinyl acetate	ND		10		ug/Kg			07/13/19 20:36	1
Vinyl chloride	ND		1.0		ug/Kg			07/13/19 20:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*71 - 155*		*07/13/19 20:36*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*07/13/19 20:36*	*1*

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

Lab Sample ID: MB 570-5069/8
Matrix: Solid
Analysis Batch: 5069

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	*94*		*79 - 133*		*07/13/19 20:36*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/13/19 20:36*	*1*

Lab Sample ID: LCS 570-5069/4
Matrix: Solid
Analysis Batch: 5069

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	50.0	52.30		ug/Kg		105	71 - 125
1,2-Dibromoethane	50.0	52.20		ug/Kg		104	80 - 120
1,2-Dichlorobenzene	50.0	56.63		ug/Kg		113	80 - 120
1,2-Dichloroethane	50.0	48.85		ug/Kg		98	79 - 121
1,4-Dioxane	500	562.9		ug/Kg		113	80 - 120
Benzene	50.0	53.23		ug/Kg		106	79 - 120
Carbon tetrachloride	50.0	49.00		ug/Kg		98	58 - 142
Chlorobenzene	50.0	52.36		ug/Kg		105	80 - 120
Di-isopropyl ether (DIPE)	50.0	51.96		ug/Kg		104	65 - 131
Ethanol	500	468.3	J	ug/Kg		94	32 - 158
Ethylbenzene	50.0	54.36		ug/Kg		109	57 - 153
Ethyl-t-butyl ether (ETBE)	50.0	55.88		ug/Kg		112	58 - 136
Methyl-t-Butyl Ether (MTBE)	50.0	56.54		ug/Kg		113	64 - 124
o-Xylene	50.0	53.41		ug/Kg		107	79 - 127
m,p-Xylene	100	107.0		ug/Kg		107	80 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*85*		*71 - 155*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane	*92*		*79 - 133*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 570-5069/5
Matrix: Solid
Analysis Batch: 5069

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	50.0	51.98		ug/Kg		104	71 - 125	1	20
1,2-Dibromoethane	50.0	53.21		ug/Kg		106	80 - 120	2	20
1,2-Dichlorobenzene	50.0	57.77		ug/Kg		116	80 - 120	2	20
1,2-Dichloroethane	50.0	48.53		ug/Kg		97	79 - 121	1	20
1,4-Dioxane	500	554.2		ug/Kg		111	80 - 120	2	20
Benzene	50.0	52.99		ug/Kg		106	79 - 120	0	20
Carbon tetrachloride	50.0	49.01		ug/Kg		98	58 - 142	0	20
Chlorobenzene	50.0	53.36		ug/Kg		107	80 - 120	2	20
Di-isopropyl ether (DIPE)	50.0	52.12		ug/Kg		104	65 - 131	0	20
Ethanol	500	484.3	J	ug/Kg		97	32 - 158	3	27
Ethylbenzene	50.0	54.72		ug/Kg		109	57 - 153	1	20
Ethyl-t-butyl ether (ETBE)	50.0	56.25		ug/Kg		113	58 - 136	1	20
Methyl-t-Butyl Ether (MTBE)	50.0	57.12		ug/Kg		114	64 - 124	1	20

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

Lab Sample ID: LCSD 570-5069/5 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5069

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o-Xylene	50.0	53.26		ug/Kg		107	79 - 127	0	20
m,p-Xylene	100	107.2		ug/Kg		107	80 - 122	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*85*		*71 - 155*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane	*92*		*79 - 133*
Toluene-d8 (Surr)	*100*		*80 - 120*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: LCS 570-4301/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5257 **Prep Batch: 4301**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	100	71.94		ug/L		72	49 - 120
1,4-Dichlorobenzene	100	64.67		ug/L		65	30 - 100
2,4-Dinitrotoluene	100	86.18		ug/L		86	50 - 120
2-Chlorophenol	100	77.18		ug/L		77	35 - 105
4-Chloro-3-methylphenol	100	83.47		ug/L		83	45 - 110
4-Nitrophenol	100	44.63		ug/L		45	20 - 150
Acenaphthene	100	97.11		ug/L		97	45 - 110
Acenaphthylene	100	111.9	*	ug/L		112	50 - 105
Butyl benzyl phthalate	100	87.21		ug/L		87	45 - 115
Dimethyl phthalate	100	85.39		ug/L		85	25 - 125
Fluorene	100	101.3		ug/L		101	50 - 110
Naphthalene	100	84.98		ug/L		85	40 - 100
N-Nitrosodi-n-propylamine	100	80.77		ug/L		81	35 - 130
Pentachlorophenol	100	66.36		ug/L		66	40 - 115
Phenol	100	36.58		ug/L		37	10 - 115
Pyrene	100	107.0		ug/L		107	50 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*74*		*32 - 143*
2-Fluorobiphenyl (Surr)	*76*		*45 - 120*
2-Fluorophenol (Surr)	*50*		*15 - 138*
Nitrobenzene-d5 (Surr)	*71*		*56 - 123*
p-Terphenyl-d14 (Surr)	*85*		*46 - 133*
Phenol-d6 (Surr)	*35*		*17 - 141*

Lab Sample ID: LCSD 570-4301/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5257 **Prep Batch: 4301**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	100	76.02		ug/L		76	49 - 120	6	20
1,4-Dichlorobenzene	100	66.38		ug/L		66	30 - 100	3	26

QC Sample Results

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-4301/3-A
Matrix: Water
Analysis Batch: 5257

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4301

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrotoluene	100	87.12		ug/L		87	50 - 120	1	36
2-Chlorophenol	100	77.14		ug/L		77	35 - 105	0	18
4-Chloro-3-methylphenol	100	84.05		ug/L		84	45 - 110	1	40
4-Nitrophenol	100	44.11		ug/L		44	20 - 150	1	40
Acenaphthene	100	101.4		ug/L		101	45 - 110	4	20
Acenaphthylene	100	117.6	*	ug/L		118	50 - 105	5	20
Butyl benzyl phthalate	100	89.79		ug/L		90	45 - 115	3	20
Dimethyl phthalate	100	89.72		ug/L		90	25 - 125	5	20
Fluorene	100	104.7		ug/L		105	50 - 110	3	20
Naphthalene	100	88.98		ug/L		89	40 - 100	5	20
N-Nitrosodi-n-propylamine	100	79.57		ug/L		80	35 - 130	1	20
Pentachlorophenol	100	68.61		ug/L		69	40 - 115	3	40
Phenol	100	37.97		ug/L		38	10 - 115	4	23
Pyrene	100	108.6		ug/L		109	50 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*76*		*32 - 143*
2-Fluorobiphenyl (Surr)	*81*		*45 - 120*
2-Fluorophenol (Surr)	*50*		*15 - 138*
Nitrobenzene-d5 (Surr)	*74*		*56 - 123*
p-Terphenyl-d14 (Surr)	*89*		*46 - 133*
Phenol-d6 (Surr)	*35*		*17 - 141*

Lab Sample ID: MB 570-4539/1-A
Matrix: Solid
Analysis Batch: 4966

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4539

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
1,2-Dichlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
1,3-Dichlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
1,4-Dichlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
1-Methylnaphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
2,4,5-Trichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
2,4,6-Trichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
2,4-Dichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
2,4-Dinitrotoluene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
2-Chlorophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
2-Methylnaphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
2-Methylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
2-Nitroaniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
2-Nitrophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 11:35	1

QC Sample Results

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-4539/1-A
Matrix: Solid
Analysis Batch: 4966

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4539

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
3-Nitroaniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
4-Bromophenyl phenyl ether	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
4-Chloro-3-methylphenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
4-Chloroaniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
4-Nitroaniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
4-Nitrophenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Acenaphthene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Acenaphthylene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Aniline	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Anthracene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Azobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Benzidine	ND		5.0		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Benzoic acid	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Benzyl alcohol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Chrysene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Dibenzofuran	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Diethyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Dimethyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Fluoranthene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Fluorene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Hexachlorobenzene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Hexachloroethane	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Isophorone	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Naphthalene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Nitrobenzene	ND		2.0		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Pentachlorophenol	ND		2.5		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Phenanthrene	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Phenol	ND		0.50		mg/Kg		07/11/19 13:14	07/13/19 11:35	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-4539/1-A
Matrix: Solid
Analysis Batch: 4966

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4539

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 11:35	1
Pyridine	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 11:35	1
bis (2-Chloroisopropyl) ether	ND		0.50	mg/Kg		07/11/19 13:14	07/13/19 11:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*18 - 138*	*07/11/19 13:14*	*07/13/19 11:35*	*1*
2-Fluorobiphenyl (Surr)	*82*		*27 - 120*	*07/11/19 13:14*	*07/13/19 11:35*	*1*
2-Fluorophenol (Surr)	*74*		*25 - 120*	*07/11/19 13:14*	*07/13/19 11:35*	*1*
Nitrobenzene-d5 (Surr)	*78*		*33 - 123*	*07/11/19 13:14*	*07/13/19 11:35*	*1*
p-Terphenyl-d14 (Surr)	*94*		*27 - 159*	*07/11/19 13:14*	*07/13/19 11:35*	*1*
Phenol-d6 (Surr)	*81*		*26 - 122*	*07/11/19 13:14*	*07/13/19 11:35*	*1*

Lab Sample ID: LCS 570-4539/2-A
Matrix: Solid
Analysis Batch: 4966

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4539

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	10.0	7.288		mg/Kg		73	45 - 129
1,4-Dichlorobenzene	10.0	7.143		mg/Kg		71	42 - 132
2,4-Dinitrotoluene	10.0	9.090		mg/Kg		91	51 - 129
2-Chlorophenol	10.0	8.174		mg/Kg		82	58 - 124
4-Chloro-3-methylphenol	10.0	7.248		mg/Kg		72	55 - 151
4-Nitrophenol	10.0	6.116		mg/Kg		61	24 - 126
Acenaphthene	10.0	7.149		mg/Kg		71	51 - 123
Acenaphthylene	10.0	8.107		mg/Kg		81	52 - 120
Butyl benzyl phthalate	10.0	9.351		mg/Kg		94	43 - 139
Dimethyl phthalate	10.0	7.663		mg/Kg		77	51 - 123
Fluorene	10.0	7.060		mg/Kg		71	54 - 126
Naphthalene	10.0	7.288		mg/Kg		73	32 - 146
N-Nitrosodi-n-propylamine	10.0	7.630		mg/Kg		76	40 - 136
Pentachlorophenol	10.0	3.681		mg/Kg		37	23 - 131
Phenol	10.0	8.019		mg/Kg		80	40 - 130
Pyrene	10.0	8.768		mg/Kg		88	47 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*80*		*18 - 138*
2-Fluorobiphenyl (Surr)	*78*		*27 - 120*
2-Fluorophenol (Surr)	*78*		*25 - 120*
Nitrobenzene-d5 (Surr)	*74*		*33 - 123*
p-Terphenyl-d14 (Surr)	*98*		*27 - 159*
Phenol-d6 (Surr)	*84*		*26 - 122*

Lab Sample ID: 570-1363-A-1-A MS
Matrix: Solid
Analysis Batch: 4966

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 4539

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND	F1 F2	10.0	6.875		mg/Kg		69	56 - 120

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-1363-A-1-A MS
Client Sample ID: Matrix Spike
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 4966
Prep Batch: 4539

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	ND		10.0	6.053		mg/Kg		61	43 - 120
2,4-Dinitrotoluene	ND	F2	10.0	8.497		mg/Kg		85	28 - 120
2-Chlorophenol	ND	F2	10.0	7.711		mg/Kg		77	53 - 120
4-Chloro-3-methylphenol	ND	F2	10.0	7.668		mg/Kg		77	32 - 120
4-Nitrophenol	ND		10.0	5.697		mg/Kg		57	14 - 128
Acenaphthene	ND	F2	10.0	7.364		mg/Kg		74	34 - 148
Acenaphthylene	ND	F2	10.0	8.315		mg/Kg		83	53 - 120
Butyl benzyl phthalate	ND	F2	10.0	8.717		mg/Kg		86	15 - 189
Dimethyl phthalate	0.56	F2	10.0	7.741		mg/Kg		72	44 - 122
Fluorene	ND	F2	10.0	7.297		mg/Kg		73	12 - 186
Naphthalene	ND	F2	10.0	6.724		mg/Kg		67	20 - 140
N-Nitrosodi-n-propylamine	ND	F2	10.0	7.443		mg/Kg		74	38 - 140
Pentachlorophenol	ND	F2	10.0	2.995		mg/Kg		30	10 - 124
Phenol	ND	F2	10.0	8.085		mg/Kg		81	22 - 124
Pyrene	ND	F2	10.0	8.692		mg/Kg		87	31 - 169

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*82*		*18 - 138*
2-Fluorobiphenyl (Surr)	*76*		*27 - 120*
2-Fluorophenol (Surr)	*72*		*25 - 120*
Nitrobenzene-d5 (Surr)	*64*		*33 - 123*
p-Terphenyl-d14 (Surr)	*94*		*27 - 159*
Phenol-d6 (Surr)	*81*		*26 - 122*

Lab Sample ID: 570-1363-A-1-B MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 4966
Prep Batch: 4539

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND	F1 F2	10.0	5.452	F1 F2	mg/Kg		55	56 - 120	23	20
1,4-Dichlorobenzene	ND		10.0	5.031		mg/Kg		50	43 - 120	18	26
2,4-Dinitrotoluene	ND	F2	10.0	6.777	F2	mg/Kg		68	28 - 120	23	20
2-Chlorophenol	ND	F2	10.0	6.180	F2	mg/Kg		62	53 - 120	22	20
4-Chloro-3-methylphenol	ND	F2	10.0	6.028	F2	mg/Kg		60	32 - 120	24	20
4-Nitrophenol	ND		10.0	4.660		mg/Kg		47	14 - 128	20	59
Acenaphthene	ND	F2	10.0	5.783	F2	mg/Kg		58	34 - 148	24	20
Acenaphthylene	ND	F2	10.0	6.513	F2	mg/Kg		65	53 - 120	24	20
Butyl benzyl phthalate	ND	F2	10.0	10.86	F2	mg/Kg		107	15 - 189	22	20
Dimethyl phthalate	0.56	F2	10.0	6.186	F2	mg/Kg		56	44 - 122	22	20
Fluorene	ND	F2	10.0	5.819	F2	mg/Kg		58	12 - 186	23	20
Naphthalene	ND	F2	10.0	5.365	F2	mg/Kg		54	20 - 140	22	20
N-Nitrosodi-n-propylamine	ND	F2	10.0	5.554	F2	mg/Kg		56	38 - 140	29	20
Pentachlorophenol	ND	F2	10.0	ND	F2	mg/Kg		21	10 - 124	36	20
Phenol	ND	F2	10.0	6.086	F2	mg/Kg		61	22 - 124	28	20
Pyrene	ND	F2	10.0	6.873	F2	mg/Kg		69	31 - 169	23	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*68*		*18 - 138*

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-1363-A-1-B MSD
Matrix: Solid
Analysis Batch: 4966

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 4539

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*61*		*27 - 120*
2-Fluorophenol (Surr)	*58*		*25 - 120*
Nitrobenzene-d5 (Surr)	*53*		*33 - 123*
p-Terphenyl-d14 (Surr)	*75*		*27 - 159*
Phenol-d6 (Surr)	*61*		*26 - 122*

Lab Sample ID: MB 570-6519/1-A
Matrix: Solid
Analysis Batch: 7026

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 6519

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
1,2-Dichlorobenzene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
1,3-Dichlorobenzene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
1,4-Dichlorobenzene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
1-Methylnaphthalene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2,4,5-Trichlorophenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2,4,6-Trichlorophenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2,4-Dichlorophenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2,4-Dinitrotoluene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2-Chlorophenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2-Methylnaphthalene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2-Methylphenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2-Nitroaniline	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2-Nitrophenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
3 & 4 Methylphenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
3-Nitroaniline	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
4-Bromophenyl phenyl ether	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
4-Chloro-3-methylphenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
4-Chloroaniline	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
4-Nitroaniline	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
4-Nitrophenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Acenaphthene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Acenaphthylene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Aniline	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Anthracene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Azobenzene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Benzidine	ND		5.0		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-6519/1-A
Matrix: Solid
Analysis Batch: 7026

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 6519

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Benzoic acid	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Benzyl alcohol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Chrysene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Dibenzofuran	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Diethyl phthalate	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Dimethyl phthalate	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Fluoranthene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Fluorene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Hexachlorobenzene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Hexachloroethane	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Isophorone	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Naphthalene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Nitrobenzene	ND		2.0		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Pentachlorophenol	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Phenanthrene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Phenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Pyrene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Pyridine	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*124*		*18 - 138*	*07/20/19 09:40*	*07/23/19 13:35*	*1*
2-Fluorobiphenyl (Surr)	*109*		*27 - 120*	*07/20/19 09:40*	*07/23/19 13:35*	*1*
2-Fluorophenol (Surr)	*102*		*25 - 120*	*07/20/19 09:40*	*07/23/19 13:35*	*1*
Nitrobenzene-d5 (Surr)	*101*		*33 - 123*	*07/20/19 09:40*	*07/23/19 13:35*	*1*
p-Terphenyl-d14 (Surr)	*120*		*27 - 159*	*07/20/19 09:40*	*07/23/19 13:35*	*1*
Phenol-d6 (Surr)	*105*		*26 - 122*	*07/20/19 09:40*	*07/23/19 13:35*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-6519/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7026 **Prep Batch: 6519**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	10.0	8.305		mg/Kg		83	45 - 129
1,4-Dichlorobenzene	10.0	7.317		mg/Kg		73	42 - 132
2,4-Dinitrotoluene	10.0	9.857		mg/Kg		99	51 - 129
2-Chlorophenol	10.0	8.769		mg/Kg		88	58 - 124
4-Chloro-3-methylphenol	10.0	8.116		mg/Kg		81	55 - 151
4-Nitrophenol	10.0	7.066		mg/Kg		71	24 - 126
Acenaphthene	10.0	8.223		mg/Kg		82	51 - 123
Acenaphthylene	10.0	9.449		mg/Kg		94	52 - 120
Butyl benzyl phthalate	10.0	10.15		mg/Kg		102	43 - 139
Dimethyl phthalate	10.0	8.633		mg/Kg		86	51 - 123
Fluorene	10.0	8.013		mg/Kg		80	54 - 126
Naphthalene	10.0	7.966		mg/Kg		80	32 - 146
N-Nitrosodi-n-propylamine	10.0	7.809		mg/Kg		78	40 - 136
Pentachlorophenol	10.0	4.219		mg/Kg		42	23 - 131
Phenol	10.0	8.563		mg/Kg		86	40 - 130
Pyrene	10.0	9.518		mg/Kg		95	47 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*92*		*18 - 138*
2-Fluorobiphenyl (Surr)	*89*		*27 - 120*
2-Fluorophenol (Surr)	*83*		*25 - 120*
Nitrobenzene-d5 (Surr)	*81*		*33 - 123*
p-Terphenyl-d14 (Surr)	*105*		*27 - 159*
Phenol-d6 (Surr)	*87*		*26 - 122*

Lab Sample ID: 570-1231-10 MS **Client Sample ID: HA5-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7026 **Prep Batch: 6519**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		9.96	6.950		mg/Kg		70	56 - 120
1,4-Dichlorobenzene	ND		9.96	6.212		mg/Kg		62	43 - 120
2,4-Dinitrotoluene	ND		9.96	8.021		mg/Kg		81	28 - 120
2-Chlorophenol	ND		9.96	7.513		mg/Kg		75	53 - 120
4-Chloro-3-methylphenol	ND		9.96	7.151		mg/Kg		72	32 - 120
4-Nitrophenol	ND		9.96	5.545		mg/Kg		56	14 - 128
Acenaphthene	ND		9.96	6.837		mg/Kg		69	34 - 148
Acenaphthylene	ND		9.96	7.889		mg/Kg		79	53 - 120
Butyl benzyl phthalate	ND		9.96	7.942		mg/Kg		80	15 - 189
Dimethyl phthalate	0.78		9.96	7.586		mg/Kg		68	44 - 122
Fluorene	ND		9.96	6.705		mg/Kg		67	12 - 186
Naphthalene	ND		9.96	6.815		mg/Kg		68	20 - 140
N-Nitrosodi-n-propylamine	ND		9.96	6.829		mg/Kg		69	38 - 140
Pentachlorophenol	ND		9.96	ND		mg/Kg		23	10 - 124
Phenol	ND		9.96	7.477		mg/Kg		75	22 - 124
Pyrene	ND		9.96	8.093		mg/Kg		81	31 - 169

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-1231-10 MS
Matrix: Solid
Analysis Batch: 7026

Client Sample ID: HA5-0.5
Prep Type: Total/NA
Prep Batch: 6519

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	78		18 - 138
2-Fluorobiphenyl (Surr)	72		27 - 120
2-Fluorophenol (Surr)	71		25 - 120
Nitrobenzene-d5 (Surr)	68		33 - 123
p-Terphenyl-d14 (Surr)	83		27 - 159
Phenol-d6 (Surr)	73		26 - 122

Lab Sample ID: 570-1231-10 MSD
Matrix: Solid
Analysis Batch: 7026

Client Sample ID: HA5-0.5
Prep Type: Total/NA
Prep Batch: 6519

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		9.83	6.674		mg/Kg		68	56 - 120	4	20
1,4-Dichlorobenzene	ND		9.83	6.051		mg/Kg		62	43 - 120	3	26
2,4-Dinitrotoluene	ND		9.83	7.706		mg/Kg		78	28 - 120	4	20
2-Chlorophenol	ND		9.83	7.425		mg/Kg		76	53 - 120	1	20
4-Chloro-3-methylphenol	ND		9.83	6.867		mg/Kg		70	32 - 120	4	20
4-Nitrophenol	ND		9.83	5.287		mg/Kg		54	14 - 128	5	59
Acenaphthene	ND		9.83	6.540		mg/Kg		67	34 - 148	4	20
Acenaphthylene	ND		9.83	7.513		mg/Kg		76	53 - 120	5	20
Butyl benzyl phthalate	ND		9.83	7.699		mg/Kg		78	15 - 189	3	20
Dimethyl phthalate	0.78		9.83	7.288		mg/Kg		66	44 - 122	4	20
Fluorene	ND		9.83	6.585		mg/Kg		67	12 - 186	2	20
Naphthalene	ND		9.83	6.577		mg/Kg		67	20 - 140	4	20
N-Nitrosodi-n-propylamine	ND		9.83	6.744		mg/Kg		69	38 - 140	1	20
Pentachlorophenol	ND		9.83	ND		mg/Kg		21	10 - 124	8	20
Phenol	ND		9.83	7.390		mg/Kg		75	22 - 124	1	20
Pyrene	ND		9.83	7.754		mg/Kg		79	31 - 169	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	75		18 - 138
2-Fluorobiphenyl (Surr)	70		27 - 120
2-Fluorophenol (Surr)	71		25 - 120
Nitrobenzene-d5 (Surr)	66		33 - 123
p-Terphenyl-d14 (Surr)	81		27 - 159
Phenol-d6 (Surr)	74		26 - 122

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - DL

Lab Sample ID: MB 570-4301/1-A
Matrix: Water
Analysis Batch: 4824

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4301

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
1,2-Dichlorobenzene - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
1,3-Dichlorobenzene - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
1,4-Dichlorobenzene - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: MB 570-4301/1-A
Matrix: Water
Analysis Batch: 4824

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4301

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
2,4,5-Trichlorophenol - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
2,4,6-Trichlorophenol - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
2,4-Dichlorophenol - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
2,4-Dimethylphenol - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
2,4-Dinitrophenol - DL	ND		50		ug/L		07/10/19 13:15	07/12/19 16:09	1
2,4-Dinitrotoluene - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
2,6-Dichlorophenol - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
2,6-Dinitrotoluene - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
2-Chloronaphthalene - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
2-Chlorophenol - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
2-Methylnaphthalene - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
2-Methylphenol - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
2-Nitroaniline - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
2-Nitrophenol - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
3,3'-Dichlorobenzidine - DL	ND		25		ug/L		07/10/19 13:15	07/12/19 16:09	1
3 & 4 Methylphenol - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
3-Nitroaniline - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
4,6-Dinitro-2-methylphenol - DL	ND		50		ug/L		07/10/19 13:15	07/12/19 16:09	1
4-Bromophenyl phenyl ether - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
4-Chloro-3-methylphenol - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
4-Chloroaniline - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
4-Chlorophenyl phenyl ether - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
4-Nitroaniline - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
4-Nitrophenol - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
Acenaphthene - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
Acenaphthylene - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
Aniline - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
Anthracene - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
Azobenzene - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
Benzidine - DL	ND		50		ug/L		07/10/19 13:15	07/12/19 16:09	1
Benzo[a]anthracene - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
Benzo[a]pyrene - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
Benzo[b]fluoranthene - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
Benzo[g,h,i]perylene - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
Benzo[k]fluoranthene - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
Benzoic acid - DL	ND		50		ug/L		07/10/19 13:15	07/12/19 16:09	1
Benzyl alcohol - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
Bis(2-chloroethoxy)methane - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
Bis(2-chloroethyl)ether - DL	ND		25		ug/L		07/10/19 13:15	07/12/19 16:09	1
Bis(2-ethylhexyl) phthalate - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
Butyl benzyl phthalate - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
Chrysene - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
Dibenz(a,h)anthracene - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
Dibenzofuran - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
Diethyl phthalate - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
Dimethyl phthalate - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
Di-n-butyl phthalate - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1
Di-n-octyl phthalate - DL	ND		10		ug/L		07/10/19 13:15	07/12/19 16:09	1

Client: EFI Global, Inc. Job ID: 570-1231-1
Project/Site: WH Taft HS

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Lab Sample ID: MB 570-4301/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 4824 **Prep Batch: 4301**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene - DL	ND		10	ug/L		07/10/19 13:15	07/12/19 16:09	1
Fluorene - DL	ND		10	ug/L		07/10/19 13:15	07/12/19 16:09	1
Hexachloro-1,3-butadiene - DL	ND		10	ug/L		07/10/19 13:15	07/12/19 16:09	1
Hexachlorobenzene - DL	ND		10	ug/L		07/10/19 13:15	07/12/19 16:09	1
Hexachlorocyclopentadiene - DL	ND		25	ug/L		07/10/19 13:15	07/12/19 16:09	1
Hexachloroethane - DL	ND		10	ug/L		07/10/19 13:15	07/12/19 16:09	1
Indeno[1,2,3-cd]pyrene - DL	ND		10	ug/L		07/10/19 13:15	07/12/19 16:09	1
Isophorone - DL	ND		10	ug/L		07/10/19 13:15	07/12/19 16:09	1
Naphthalene - DL	ND		10	ug/L		07/10/19 13:15	07/12/19 16:09	1
Nitrobenzene - DL	ND		25	ug/L		07/10/19 13:15	07/12/19 16:09	1
N-Nitrosodimethylamine - DL	ND		10	ug/L		07/10/19 13:15	07/12/19 16:09	1
N-Nitrosodi-n-propylamine - DL	ND		10	ug/L		07/10/19 13:15	07/12/19 16:09	1
N-Nitrosodiphenylamine - DL	ND		10	ug/L		07/10/19 13:15	07/12/19 16:09	1
Pentachlorophenol - DL	ND		10	ug/L		07/10/19 13:15	07/12/19 16:09	1
Phenanthrene - DL	ND		10	ug/L		07/10/19 13:15	07/12/19 16:09	1
Phenol - DL	ND		10	ug/L		07/10/19 13:15	07/12/19 16:09	1
Pyrene - DL	ND		10	ug/L		07/10/19 13:15	07/12/19 16:09	1
Pyridine - DL	ND		10	ug/L		07/10/19 13:15	07/12/19 16:09	1
bis (2-Chloroisopropyl) ether - DL	ND		10	ug/L		07/10/19 13:15	07/12/19 16:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr) - DL	*97*		*32 - 143*	*07/10/19 13:15*	*07/12/19 16:09*	*1*
2-Fluorobiphenyl (Surr) - DL	*90*		*45 - 120*	*07/10/19 13:15*	*07/12/19 16:09*	*1*
2-Fluorophenol (Surr) - DL	*63*		*15 - 138*	*07/10/19 13:15*	*07/12/19 16:09*	*1*
Nitrobenzene-d5 (Surr) - DL	*87*		*56 - 123*	*07/10/19 13:15*	*07/12/19 16:09*	*1*
p-Terphenyl-d14 (Surr) - DL	*106*		*46 - 133*	*07/10/19 13:15*	*07/12/19 16:09*	*1*
Phenol-d6 (Surr) - DL	*40*		*17 - 141*	*07/10/19 13:15*	*07/12/19 16:09*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 570-4478/5 **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 4478

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		50	ug/L			07/11/19 15:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*66*		*38 - 134*		*07/11/19 15:22*	*1*

Lab Sample ID: LCS 570-4478/3 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 4478

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	2000	2002		ug/L		100	78 - 120

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCS 570-4478/3
Matrix: Water
Analysis Batch: 4478

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	80		38 - 134

Lab Sample ID: LCSD 570-4478/4
Matrix: Water
Analysis Batch: 4478

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
Gasoline Range Organics (C4-C13)			2000	1955		ug/L		98	78 - 120	2	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	74		38 - 134

Lab Sample ID: 570-1342-D-1 MS
Matrix: Water
Analysis Batch: 4478

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
Gasoline Range Organics (C4-C13)	ND	F1	2000	2644	F1	ug/L		132	68 - 122

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	81		38 - 134

Lab Sample ID: 570-1342-D-1 MSD
Matrix: Water
Analysis Batch: 4478

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
Gasoline Range Organics (C4-C13)	ND	F1	2000	2639	F1	ug/L		132	68 - 122	0	18

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	78		38 - 134

Lab Sample ID: 570-1231-21 MS
Matrix: Solid
Analysis Batch: 4959

Client Sample ID: HA10-0.5
Prep Type: Total/NA
Prep Batch: 4907

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	ND		1.98	2.042		mg/Kg		103	48 - 114

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		42 - 126

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: 570-1231-21 MSD
Matrix: Solid
Analysis Batch: 4959

Client Sample ID: HA10-0.5
Prep Type: Total/NA
Prep Batch: 4907

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	ND		2.03	2.066		mg/Kg		102	48 - 114	1	23

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*42 - 126*

Lab Sample ID: MB 570-4929/3-A
Matrix: Solid
Analysis Batch: 4959

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4929

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10	mg/Kg		07/12/19 20:57	07/13/19 13:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*42 - 126*	*07/12/19 20:57*	*07/13/19 13:48*	*1*

Lab Sample ID: LCS 570-4929/1-A
Matrix: Solid
Analysis Batch: 4959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4929

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	1.97	2.285		mg/Kg		116	70 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*42 - 126*

Lab Sample ID: LCSD 570-4929/2-A
Matrix: Solid
Analysis Batch: 4959

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4929

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	2.04	2.395		mg/Kg		118	70 - 124	5	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*42 - 126*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-4408/1-A
Matrix: Water
Analysis Batch: 4442

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4408

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		50	ug/L		07/10/19 18:41	07/11/19 13:05	1
C13-C14	ND		50	ug/L		07/10/19 18:41	07/11/19 13:05	1
C15-C16	ND		50	ug/L		07/10/19 18:41	07/11/19 13:05	1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 570-4408/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 4442
Prep Batch: 4408

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C17-C18	ND		50		ug/L		07/10/19 18:41	07/11/19 13:05	1
C19-C20	ND		50		ug/L		07/10/19 18:41	07/11/19 13:05	1
C21-C22	ND		50		ug/L		07/10/19 18:41	07/11/19 13:05	1
C23-C24	ND		50		ug/L		07/10/19 18:41	07/11/19 13:05	1
C25-C28	ND		50		ug/L		07/10/19 18:41	07/11/19 13:05	1
C29-C32	ND		50		ug/L		07/10/19 18:41	07/11/19 13:05	1
C33-C36	ND		50		ug/L		07/10/19 18:41	07/11/19 13:05	1
C37-C40	ND		50		ug/L		07/10/19 18:41	07/11/19 13:05	1
C41-C44	ND		50		ug/L		07/10/19 18:41	07/11/19 13:05	1
C9-C10	ND		50		ug/L		07/10/19 18:41	07/11/19 13:05	1
C6 as C6	ND		50		ug/L		07/10/19 18:41	07/11/19 13:05	1
C7 as C7	ND		50		ug/L		07/10/19 18:41	07/11/19 13:05	1
C8 as C8	ND		50		ug/L		07/10/19 18:41	07/11/19 13:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*102*		*68 - 140*	*07/10/19 18:41*	*07/11/19 13:05*	*1*

Lab Sample ID: LCS 570-4408/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 4442
Prep Batch: 4408

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	2000	2095		ug/L		105	69 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*97*		*68 - 140*

Lab Sample ID: LCSD 570-4408/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 4442
Prep Batch: 4408

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	2000	2102		ug/L		105	69 - 123	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*100*		*68 - 140*

Lab Sample ID: MB 570-4766/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 4886
Prep Batch: 4766

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 08:23	1
C13-C14	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 08:23	1
C15-C16	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 08:23	1
C17-C18	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 08:23	1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 570-4766/1-A
Matrix: Solid
Analysis Batch: 4886

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4766

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C19-C20	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 08:23	1
C21-C22	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 08:23	1
C23-C24	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 08:23	1
C25-C28	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 08:23	1
C29-C32	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 08:23	1
C33-C36	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 08:23	1
C37-C40	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 08:23	1
C41-C44	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 08:23	1
C9-C10	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 08:23	1
C6 as C6	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 08:23	1
C7 as C7	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 08:23	1
C8 as C8	ND		5.0		mg/Kg		07/12/19 11:42	07/13/19 08:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*90*		*61 - 145*	*07/12/19 11:42*	*07/13/19 08:23*	*1*

Lab Sample ID: LCS 570-4766/2-A
Matrix: Solid
Analysis Batch: 4886

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4766

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			400	433.9		mg/Kg		108	67 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*86*		*61 - 145*

Lab Sample ID: 570-1231-7 MS
Matrix: Solid
Analysis Batch: 4886

Client Sample ID: HA4-0.5
Prep Type: Total/NA
Prep Batch: 4766

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	ND		400	421.9		mg/Kg		104	33 - 153		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*94*		*61 - 145*

Lab Sample ID: 570-1231-7 MSD
Matrix: Solid
Analysis Batch: 4886

Client Sample ID: HA4-0.5
Prep Type: Total/NA
Prep Batch: 4766

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		400	427.4		mg/Kg		106	33 - 153	1	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*87*		*61 - 145*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 570-4861/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5169 **Prep Batch: 4861**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0	mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C13-C14	ND		5.0	mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C15-C16	ND		5.0	mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C17-C18	ND		5.0	mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C19-C20	ND		5.0	mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C21-C22	ND		5.0	mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C23-C24	ND		5.0	mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C25-C28	ND		5.0	mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C29-C32	ND		5.0	mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C33-C36	ND		5.0	mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C37-C40	ND		5.0	mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C41-C44	ND		5.0	mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C9-C10	ND		5.0	mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C6 as C6	ND		5.0	mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C7 as C7	ND		5.0	mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C8 as C8	ND		5.0	mg/Kg		07/12/19 16:32	07/15/19 12:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*81*		*61 - 145*	*07/12/19 16:32*	*07/15/19 12:56*	*1*

Lab Sample ID: LCS 570-4861/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5169 **Prep Batch: 4861**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	400	433.8		mg/Kg		108	67 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*89*		*61 - 145*

Lab Sample ID: 570-1375-B-1-A MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5169 **Prep Batch: 4861**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	ND		400	468.2		mg/Kg		117	33 - 153

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*105*		*61 - 145*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 570-1375-B-1-B MSD
Matrix: Solid
Analysis Batch: 5169

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 4861

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		400	441.4		mg/Kg		110	33 - 153	6	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*91*		*61 - 145*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 570-4445/1-A
Matrix: Water
Analysis Batch: 4963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4445

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050		ug/L		07/11/19 09:51	07/13/19 12:13	1
4,4'-DDE	ND		0.020		ug/L		07/11/19 09:51	07/13/19 12:13	1
4,4'-DDT	ND		0.050		ug/L		07/11/19 09:51	07/13/19 12:13	1
Aldrin	ND		0.050		ug/L		07/11/19 09:51	07/13/19 12:13	1
alpha-BHC	ND		0.020		ug/L		07/11/19 09:51	07/13/19 12:13	1
beta-BHC	ND		0.020		ug/L		07/11/19 09:51	07/13/19 12:13	1
Chlordane	ND		0.10		ug/L		07/11/19 09:51	07/13/19 12:13	1
delta-BHC	ND		0.020		ug/L		07/11/19 09:51	07/13/19 12:13	1
Dieldrin	ND		0.050		ug/L		07/11/19 09:51	07/13/19 12:13	1
Endosulfan I	ND		0.050		ug/L		07/11/19 09:51	07/13/19 12:13	1
Endosulfan II	ND		0.050		ug/L		07/11/19 09:51	07/13/19 12:13	1
Endosulfan sulfate	ND		0.050		ug/L		07/11/19 09:51	07/13/19 12:13	1
Endrin	ND		0.020		ug/L		07/11/19 09:51	07/13/19 12:13	1
Endrin aldehyde	ND		0.10		ug/L		07/11/19 09:51	07/13/19 12:13	1
Endrin ketone	ND		0.050		ug/L		07/11/19 09:51	07/13/19 12:13	1
gamma-BHC	ND		0.020		ug/L		07/11/19 09:51	07/13/19 12:13	1
Heptachlor	ND		0.020		ug/L		07/11/19 09:51	07/13/19 12:13	1
Heptachlor epoxide	ND		0.020		ug/L		07/11/19 09:51	07/13/19 12:13	1
Methoxychlor	ND		0.050		ug/L		07/11/19 09:51	07/13/19 12:13	1
Toxaphene	ND		0.30		ug/L		07/11/19 09:51	07/13/19 12:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*50 - 135*	*07/11/19 09:51*	*07/13/19 12:13*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*50 - 135*	*07/11/19 09:51*	*07/13/19 12:13*	*1*

Lab Sample ID: LCS 570-4445/4-A
Matrix: Water
Analysis Batch: 4963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.250	0.2184		ug/L		87	50 - 135
4,4'-DDE	0.250	0.2278		ug/L		91	50 - 135
4,4'-DDT	0.250	0.2124		ug/L		85	50 - 135
Aldrin	0.250	0.1963		ug/L		79	50 - 135
alpha-BHC	0.250	0.2471		ug/L		99	50 - 135

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 570-4445/4-A
Matrix: Water
Analysis Batch: 4963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
beta-BHC	0.250	0.2099		ug/L		84	50 - 135
delta-BHC	0.250	0.2066		ug/L		83	50 - 135
Dieldrin	0.250	0.2072		ug/L		83	50 - 135
Endosulfan I	0.250	0.1985		ug/L		79	50 - 135
Endosulfan II	0.250	0.2004		ug/L		80	50 - 135
Endosulfan sulfate	0.250	0.1972		ug/L		79	50 - 135
Endrin	0.250	0.2102		ug/L		84	50 - 135
Endrin aldehyde	0.250	0.1790		ug/L		72	50 - 135
gamma-BHC	0.250	0.2177		ug/L		87	50 - 135
Heptachlor	0.250	0.1974		ug/L		79	50 - 135
Heptachlor epoxide	0.250	0.2078		ug/L		83	50 - 135
Methoxychlor	0.250	0.1983		ug/L		79	50 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*86*		*50 - 135*
DCB Decachlorobiphenyl (Surr)	*71*		*50 - 135*

Lab Sample ID: LCSD 570-4445/5-A
Matrix: Water
Analysis Batch: 4963

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4445

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.250	0.2135		ug/L		85	50 - 135	2	25
4,4'-DDE	0.250	0.2255		ug/L		90	50 - 135	1	25
4,4'-DDT	0.250	0.2110		ug/L		84	50 - 135	1	25
Aldrin	0.250	0.2037		ug/L		81	50 - 135	4	25
alpha-BHC	0.250	0.2912		ug/L		116	50 - 135	16	25
beta-BHC	0.250	0.2107		ug/L		84	50 - 135	0	25
delta-BHC	0.250	0.2069		ug/L		83	50 - 135	0	25
Dieldrin	0.250	0.2094		ug/L		84	50 - 135	1	25
Endosulfan I	0.250	0.2024		ug/L		81	50 - 135	2	25
Endosulfan II	0.250	0.2023		ug/L		81	50 - 135	1	25
Endosulfan sulfate	0.250	0.1966		ug/L		79	50 - 135	0	25
Endrin	0.250	0.2107		ug/L		84	50 - 135	0	25
Endrin aldehyde	0.250	0.1834		ug/L		73	50 - 135	2	25
gamma-BHC	0.250	0.2200		ug/L		88	50 - 135	1	25
Heptachlor	0.250	0.2008		ug/L		80	50 - 135	2	25
Heptachlor epoxide	0.250	0.2079		ug/L		83	50 - 135	0	25
Methoxychlor	0.250	0.1901		ug/L		76	50 - 135	4	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*85*		*50 - 135*
DCB Decachlorobiphenyl (Surr)	*70*		*50 - 135*

QC Sample Results

Client: EFI Global, Inc. Job ID: 570-1231-1
Project/Site: WH Taft HS

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 570-4591/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4989 **Prep Batch: 4591**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 11:22	1
4,4'-DDE	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 11:22	1
4,4'-DDT	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 11:22	1
Aldrin	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 11:22	1
alpha-BHC	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 11:22	1
beta-BHC	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 11:22	1
Chlordane	ND		25	ug/Kg		07/11/19 15:28	07/14/19 11:22	1
delta-BHC	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 11:22	1
Dieldrin	ND		1.0	ug/Kg		07/11/19 15:28	07/14/19 11:22	1
Endosulfan I	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 11:22	1
Endosulfan II	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 11:22	1
Endosulfan sulfate	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 11:22	1
Endrin	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 11:22	1
Endrin aldehyde	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 11:22	1
Endrin ketone	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 11:22	1
gamma-BHC	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 11:22	1
Heptachlor	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 11:22	1
Heptachlor epoxide	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 11:22	1
Methoxychlor	ND		5.0	ug/Kg		07/11/19 15:28	07/14/19 11:22	1
Toxaphene	ND		25	ug/Kg		07/11/19 15:28	07/14/19 11:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*25 - 145*	*07/11/19 15:28*	*07/14/19 11:22*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*24 - 168*	*07/11/19 15:28*	*07/14/19 11:22*	*1*

Lab Sample ID: LCS 570-4591/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4989 **Prep Batch: 4591**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	25.0	22.55		ug/Kg		90	50 - 135
4,4'-DDE	25.0	23.09		ug/Kg		92	50 - 135
4,4'-DDT	25.0	22.46		ug/Kg		90	50 - 135
Aldrin	25.0	22.69		ug/Kg		91	50 - 135
alpha-BHC	25.0	23.05		ug/Kg		92	50 - 135
beta-BHC	25.0	22.16		ug/Kg		89	50 - 135
delta-BHC	25.0	23.54		ug/Kg		94	50 - 135
Dieldrin	25.0	22.73		ug/Kg		91	50 - 135
Endosulfan I	25.0	22.54		ug/Kg		90	50 - 135
Endosulfan II	25.0	22.60		ug/Kg		90	50 - 135
Endosulfan sulfate	25.0	22.67		ug/Kg		91	50 - 135
Endrin	25.0	22.98		ug/Kg		92	50 - 135
Endrin aldehyde	25.0	18.21		ug/Kg		73	50 - 135
gamma-BHC	25.0	22.92		ug/Kg		92	50 - 135
Heptachlor	25.0	21.35		ug/Kg		85	50 - 135
Heptachlor epoxide	25.0	21.95		ug/Kg		88	50 - 135
Methoxychlor	25.0	21.95		ug/Kg		88	50 - 135

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 570-4591/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4989 **Prep Batch: 4591**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	*88*		*25 - 145*
DCB Decachlorobiphenyl (Surr)	*90*		*24 - 168*

Lab Sample ID: 570-1231-7 MS **Client Sample ID: HA4-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4989 **Prep Batch: 4591**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		24.8	23.25		ug/Kg		94	50 - 135
4,4'-DDE	ND		24.8	23.59		ug/Kg		95	50 - 135
4,4'-DDT	ND		24.8	22.31		ug/Kg		90	50 - 135
Aldrin	ND		24.8	20.84		ug/Kg		84	50 - 135
alpha-BHC	ND		24.8	20.96		ug/Kg		85	50 - 135
beta-BHC	ND		24.8	20.81		ug/Kg		84	50 - 135
delta-BHC	ND		24.8	22.46		ug/Kg		91	50 - 135
Dieldrin	ND		24.8	21.98		ug/Kg		89	50 - 135
Endosulfan I	ND		24.8	20.31		ug/Kg		82	50 - 135
Endosulfan II	ND		24.8	21.35		ug/Kg		86	50 - 135
Endosulfan sulfate	ND		24.8	20.23		ug/Kg		82	50 - 135
Endrin	ND		24.8	22.91		ug/Kg		93	50 - 135
Endrin aldehyde	ND		24.8	16.63		ug/Kg		67	50 - 135
gamma-BHC	ND		24.8	21.39		ug/Kg		86	50 - 135
Heptachlor	ND		24.8	19.94		ug/Kg		81	50 - 135
Heptachlor epoxide	ND		24.8	21.04		ug/Kg		85	50 - 135
Methoxychlor	ND		24.8	21.84		ug/Kg		88	50 - 135

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	*85*		*25 - 145*
DCB Decachlorobiphenyl (Surr)	*87*		*24 - 168*

Lab Sample ID: 570-1231-7 MSD **Client Sample ID: HA4-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4989 **Prep Batch: 4591**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		24.6	22.56		ug/Kg		92	50 - 135	3	25
4,4'-DDE	ND		24.6	23.46		ug/Kg		95	50 - 135	1	25
4,4'-DDT	ND		24.6	21.54		ug/Kg		87	50 - 135	4	25
Aldrin	ND		24.6	20.13		ug/Kg		82	50 - 135	3	25
alpha-BHC	ND		24.6	19.44		ug/Kg		79	50 - 135	7	25
beta-BHC	ND		24.6	20.84		ug/Kg		85	50 - 135	0	25
delta-BHC	ND		24.6	21.49		ug/Kg		87	50 - 135	4	25
Dieldrin	ND		24.6	21.63		ug/Kg		88	50 - 135	2	25
Endosulfan I	ND		24.6	20.04		ug/Kg		81	50 - 135	1	25
Endosulfan II	ND		24.6	20.75		ug/Kg		84	50 - 135	3	25
Endosulfan sulfate	ND		24.6	19.56		ug/Kg		79	50 - 135	3	25
Endrin	ND		24.6	22.55		ug/Kg		92	50 - 135	2	25
Endrin aldehyde	ND		24.6	16.78		ug/Kg		68	50 - 135	1	25

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 570-1231-7 MSD **Client Sample ID: HA4-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4989 **Prep Batch: 4591**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
gamma-BHC	ND		24.6	20.23		ug/Kg		82	50 - 135	6	25
Heptachlor	ND		24.6	19.05		ug/Kg		77	50 - 135	5	25
Heptachlor epoxide	ND		24.6	20.66		ug/Kg		84	50 - 135	2	25
Methoxychlor	ND		24.6	20.89		ug/Kg		85	50 - 135	4	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*76*		*25 - 145*
DCB Decachlorobiphenyl (Surr)	*86*		*24 - 168*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 570-4445/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5073 **Prep Batch: 4445**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	ug/L		07/11/19 09:51	07/14/19 14:45	1
PCB-1221	ND		0.50	ug/L		07/11/19 09:51	07/14/19 14:45	1
PCB-1232	ND		0.50	ug/L		07/11/19 09:51	07/14/19 14:45	1
PCB-1242	ND		0.50	ug/L		07/11/19 09:51	07/14/19 14:45	1
PCB-1248	ND		0.50	ug/L		07/11/19 09:51	07/14/19 14:45	1
PCB-1254	ND		0.50	ug/L		07/11/19 09:51	07/14/19 14:45	1
PCB-1260	ND		0.50	ug/L		07/11/19 09:51	07/14/19 14:45	1
PCB-1262	ND		0.50	ug/L		07/11/19 09:51	07/14/19 14:45	1
PCB-1268	ND		0.50	ug/L		07/11/19 09:51	07/14/19 14:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*108*		*50 - 135*	*07/11/19 09:51*	*07/14/19 14:45*	*1*
Tetrachloro-m-xylene	*101*		*50 - 135*	*07/11/19 09:51*	*07/14/19 14:45*	*1*

Lab Sample ID: LCS 570-4445/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5073 **Prep Batch: 4445**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.00	1.462	*	ug/L		146	50 - 135
PCB-1260	1.00	1.160		ug/L		116	50 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*121*		*50 - 135*
Tetrachloro-m-xylene	*116*		*50 - 135*

Lab Sample ID: LCSD 570-4445/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5073 **Prep Batch: 4445**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	1.00	1.158		ug/L		116	50 - 135	23	25

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 570-4445/3-A | **Client Sample ID: Lab Control Sample Dup**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 5073 | **Prep Batch: 4445**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1260			1.00	0.9632		ug/L		96	50 - 135	19	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*92*		*50 - 135*
Tetrachloro-m-xylene	*85*		*50 - 135*

Lab Sample ID: MB 570-4591/1-A | **Client Sample ID: Method Blank**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 5073 | **Prep Batch: 4591**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50		ug/Kg		07/11/19 15:28	07/14/19 18:52	1
PCB-1221	ND		50		ug/Kg		07/11/19 15:28	07/14/19 18:52	1
PCB-1232	ND		50		ug/Kg		07/11/19 15:28	07/14/19 18:52	1
PCB-1242	ND		50		ug/Kg		07/11/19 15:28	07/14/19 18:52	1
PCB-1248	ND		50		ug/Kg		07/11/19 15:28	07/14/19 18:52	1
PCB-1254	ND		50		ug/Kg		07/11/19 15:28	07/14/19 18:52	1
PCB-1260	ND		50		ug/Kg		07/11/19 15:28	07/14/19 18:52	1
PCB-1262	ND		50		ug/Kg		07/11/19 15:28	07/14/19 18:52	1
PCB-1268	ND		50		ug/Kg		07/11/19 15:28	07/14/19 18:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*24 - 168*	*07/11/19 15:28*	*07/14/19 18:52*	*1*
Tetrachloro-m-xylene	*98*		*25 - 145*	*07/11/19 15:28*	*07/14/19 18:52*	*1*

Lab Sample ID: LCS 570-4591/20-A | **Client Sample ID: Lab Control Sample**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 5073 | **Prep Batch: 4591**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016			100	105.4		ug/Kg		105	50 - 135
PCB-1260			100	99.02		ug/Kg		99	50 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*93*		*24 - 168*
Tetrachloro-m-xylene	*90*		*25 - 145*

Lab Sample ID: 570-1231-15 MS | **Client Sample ID: HA8-0.5**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 5073 | **Prep Batch: 4591**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND	F1	99.0	111.3		ug/Kg		112	50 - 135
PCB-1260	ND		99.0	103.7		ug/Kg		105	50 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*93*		*24 - 168*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 570-1231-15 MS
Matrix: Solid
Analysis Batch: 5073

Client Sample ID: HA8-0.5
Prep Type: Total/NA
Prep Batch: 4591

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	*88*		*25 - 145*

Lab Sample ID: 570-1231-15 MSD
Matrix: Solid
Analysis Batch: 5073

Client Sample ID: HA8-0.5
Prep Type: Total/NA
Prep Batch: 4591

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND	F1	98.5	118.2		ug/Kg		120	50 - 135	6	20
PCB-1260	ND		98.5	105.6		ug/Kg		107	50 - 135	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	*99*		*24 - 168*
Tetrachloro-m-xylene	*94*		*25 - 145*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-4651/1-A
Matrix: Solid
Analysis Batch: 5262

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4651

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.490		mg/Kg		07/11/19 17:00	07/12/19 15:24	1

Lab Sample ID: LCS 570-4651/2-A
Matrix: Solid
Analysis Batch: 5262

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4651

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			24.3	25.41		mg/Kg		105	80 - 120		

Lab Sample ID: LCSD 570-4651/3-A
Matrix: Solid
Analysis Batch: 5262

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4651

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			24.9	25.96		mg/Kg		104	80 - 120	2	20

Lab Sample ID: 570-1231-33 MS
Matrix: Solid
Analysis Batch: 5262

Client Sample ID: HA14-0.5
Prep Type: Total/NA
Prep Batch: 4651

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	1.45		25.4	26.94		mg/Kg		100	75 - 125		

Client: EFI Global, Inc. Job ID: 570-1231-1
Project/Site: WH Taft HS

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 570-1231-33 MSD **Client Sample ID: HA14-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5262 **Prep Batch: 4651**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	1.45		25.1	25.69		mg/Kg		96	75 - 125	5	20

Lab Sample ID: MB 570-5037/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5412 **Prep Batch: 5037**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0500	mg/L		07/12/19 15:00	07/15/19 16:34	1

Lab Sample ID: LCS 570-5037/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5412 **Prep Batch: 5037**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.500	0.5030		mg/L		101	80 - 120

Lab Sample ID: LCSD 570-5037/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5412 **Prep Batch: 5037**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	0.500	0.4994		mg/L		100	80 - 120	1	20

Lab Sample ID: 570-1264-N-1-B MS **Client Sample ID: Matrix Spike**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5412 **Prep Batch: 5037**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	ND	F2 F1	0.500	0.2359	F1	mg/L		45	84 - 120

Lab Sample ID: 570-1264-N-1-C MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5412 **Prep Batch: 5037**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND	F2 F1	0.500	0.4216	F2 F1	mg/L		82	84 - 120	56	7

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 570-4667/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4855 **Prep Batch: 4667**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.995	mg/Kg		07/11/19 19:00	07/12/19 13:49	20

Client: EFI Global, Inc. Job ID: 570-1231-1
Project/Site: WH Taft HS

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 570-4667/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4855 **Prep Batch: 4667**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			25.4	28.66		mg/Kg		113	80 - 120		

Lab Sample ID: LCSD 570-4667/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4855 **Prep Batch: 4667**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic			24.8	28.08		mg/Kg		113	80 - 120	2	20

Lab Sample ID: 570-1231-33 MS **Client Sample ID: HA14-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4855 **Prep Batch: 4667**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic	ND		25.6	22.69		mg/Kg		85	72 - 132		

Lab Sample ID: 570-1231-33 MSD **Client Sample ID: HA14-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4855 **Prep Batch: 4667**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		24.4	21.92		mg/Kg		86	72 - 132	3	13

Lab Sample ID: MB 570-5061/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5407 **Prep Batch: 5061**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00100		mg/L		07/12/19 15:00	07/15/19 18:02	1

Lab Sample ID: LCS 570-5061/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5407 **Prep Batch: 5061**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			0.100	0.1066		mg/L		107	80 - 120		

Lab Sample ID: LCSD 570-5061/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5407 **Prep Batch: 5061**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic			0.100	0.1073		mg/L		107	80 - 120	1	20

Lab Sample ID: 570-1170-N-1-C MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5407 **Prep Batch: 5061**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.00247	F1	0.100	0.05974	F1	mg/L		57	73 - 127	7	11

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: 570-1170-N-1-D MS
Matrix: Water
Analysis Batch: 5407

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 5061

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.00247	F1	0.100	0.06380	F1	mg/L		61	73 - 127

GC/MS VOA

Prep Batch: 4737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-1	HA2-0.5	Total/NA	Solid	5035	
570-1231-4	HA3-0.5	Total/NA	Solid	5035	
570-1231-7	HA4-0.5	Total/NA	Solid	5035	
570-1231-10	HA5-0.5	Total/NA	Solid	5035	
570-1231-12	HA7-0.5	Total/NA	Solid	5035	
570-1231-15	HA8-0.5	Total/NA	Solid	5035	
570-1231-18	HA9-0.5	Total/NA	Solid	5035	
570-1231-21	HA10-0.5	Total/NA	Solid	5035	
570-1231-24	HA11-0.5	Total/NA	Solid	5035	
570-1231-27	HA12-0.5	Total/NA	Solid	5035	
570-1231-30	HA13-0.5	Total/NA	Solid	5035	
570-1231-33	HA14-0.5	Total/NA	Solid	5035	
MB 570-4737/29-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 4743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-4743/14-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 4786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-1	HA2-0.5	Total/NA	Solid	8260B	4737
570-1231-4	HA3-0.5	Total/NA	Solid	8260B	4737
570-1231-7	HA4-0.5	Total/NA	Solid	8260B	4737
570-1231-10	HA5-0.5	Total/NA	Solid	8260B	4737
570-1231-12	HA7-0.5	Total/NA	Solid	8260B	4737
570-1231-15	HA8-0.5	Total/NA	Solid	8260B	4737
570-1231-18	HA9-0.5	Total/NA	Solid	8260B	4737
570-1231-21	HA10-0.5	Total/NA	Solid	8260B	4737
570-1231-24	HA11-0.5	Total/NA	Solid	8260B	4737
570-1231-27	HA12-0.5	Total/NA	Solid	8260B	4737
570-1231-30	HA13-0.5	Total/NA	Solid	8260B	4737
MB 570-4737/29-A	Method Blank	Total/NA	Solid	8260B	4737
MB 570-4743/14-A	Method Blank	Total/NA	Solid	8260B	4743
LCS 570-4786/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-4786/4	Lab Control Sample Dup	Total/NA	Solid	8260B	

Analysis Batch: 5040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-36	EB1	Total/NA	Water	8260B	
MB 570-5040/8	Method Blank	Total/NA	Water	8260B	
LCS 570-5040/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-5040/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 5069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-33	HA14-0.5	Total/NA	Solid	8260B	4737
MB 570-5069/8	Method Blank	Total/NA	Solid	8260B	
LCS 570-5069/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-5069/5	Lab Control Sample Dup	Total/NA	Solid	8260B	

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Prep Batch: 4301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-36	EB1	Total/NA	Water	3510C	
MB 570-4301/1-A - DL	Method Blank	Total/NA	Water	3510C	
LCS 570-4301/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-4301/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 4539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-1	HA2-0.5	Total/NA	Solid	3545	
570-1231-4	HA3-0.5	Total/NA	Solid	3545	
570-1231-7	HA4-0.5	Total/NA	Solid	3545	
570-1231-12	HA7-0.5	Total/NA	Solid	3545	
570-1231-18	HA9-0.5	Total/NA	Solid	3545	
570-1231-21	HA10-0.5	Total/NA	Solid	3545	
570-1231-24	HA11-0.5	Total/NA	Solid	3545	
570-1231-27	HA12-0.5	Total/NA	Solid	3545	
570-1231-30	HA13-0.5	Total/NA	Solid	3545	
570-1231-33	HA14-0.5	Total/NA	Solid	3545	
MB 570-4539/1-A	Method Blank	Total/NA	Solid	3545	
LCS 570-4539/2-A	Lab Control Sample	Total/NA	Solid	3545	
570-1363-A-1-A MS	Matrix Spike	Total/NA	Solid	3545	
570-1363-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3545	

Analysis Batch: 4824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-36	EB1	Total/NA	Water	8270C	4301
MB 570-4301/1-A - DL	Method Blank	Total/NA	Water	8270C	4301

Analysis Batch: 4966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-1	HA2-0.5	Total/NA	Solid	8270C	4539
570-1231-4	HA3-0.5	Total/NA	Solid	8270C	4539
570-1231-7	HA4-0.5	Total/NA	Solid	8270C	4539
570-1231-12	HA7-0.5	Total/NA	Solid	8270C	4539
570-1231-18	HA9-0.5	Total/NA	Solid	8270C	4539
570-1231-21	HA10-0.5	Total/NA	Solid	8270C	4539
570-1231-24	HA11-0.5	Total/NA	Solid	8270C	4539
570-1231-27	HA12-0.5	Total/NA	Solid	8270C	4539
570-1231-30	HA13-0.5	Total/NA	Solid	8270C	4539
570-1231-33	HA14-0.5	Total/NA	Solid	8270C	4539
MB 570-4539/1-A	Method Blank	Total/NA	Solid	8270C	4539
LCS 570-4539/2-A	Lab Control Sample	Total/NA	Solid	8270C	4539
570-1363-A-1-A MS	Matrix Spike	Total/NA	Solid	8270C	4539
570-1363-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270C	4539

Analysis Batch: 5257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-4301/2-A	Lab Control Sample	Total/NA	Water	8270C	4301
LCSD 570-4301/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	4301

QC Association Summary

GC/MS Semi VOA

Prep Batch: 6519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-10	HA5-0.5	Total/NA	Solid	3545	
570-1231-15	HA8-0.5	Total/NA	Solid	3545	
MB 570-6519/1-A	Method Blank	Total/NA	Solid	3545	
LCS 570-6519/2-A	Lab Control Sample	Total/NA	Solid	3545	
570-1231-10 MS	HA5-0.5	Total/NA	Solid	3545	
570-1231-10 MSD	HA5-0.5	Total/NA	Solid	3545	

Analysis Batch: 7026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-10	HA5-0.5	Total/NA	Solid	8270C	6519
570-1231-15	HA8-0.5	Total/NA	Solid	8270C	6519
MB 570-6519/1-A	Method Blank	Total/NA	Solid	8270C	6519
LCS 570-6519/2-A	Lab Control Sample	Total/NA	Solid	8270C	6519
570-1231-10 MS	HA5-0.5	Total/NA	Solid	8270C	6519
570-1231-10 MSD	HA5-0.5	Total/NA	Solid	8270C	6519

GC VOA

Analysis Batch: 4478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-36	EB1	Total/NA	Water	8015B	
MB 570-4478/5	Method Blank	Total/NA	Water	8015B	
LCS 570-4478/3	Lab Control Sample	Total/NA	Water	8015B	
LCSD 570-4478/4	Lab Control Sample Dup	Total/NA	Water	8015B	
570-1342-D-1 MS	Matrix Spike	Total/NA	Water	8015B	
570-1342-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	

Prep Batch: 4907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-21	HA10-0.5	Total/NA	Solid	5030C	
570-1231-24	HA11-0.5	Total/NA	Solid	5030C	
570-1231-27	HA12-0.5	Total/NA	Solid	5030C	
570-1231-30	HA13-0.5	Total/NA	Solid	5030C	
570-1231-33	HA14-0.5	Total/NA	Solid	5030C	
570-1231-21 MS	HA10-0.5	Total/NA	Solid	5030C	
570-1231-21 MSD	HA10-0.5	Total/NA	Solid	5030C	

Prep Batch: 4929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-1	HA2-0.5	Total/NA	Solid	5030C	
570-1231-4	HA3-0.5	Total/NA	Solid	5030C	
570-1231-7	HA4-0.5	Total/NA	Solid	5030C	
570-1231-10	HA5-0.5	Total/NA	Solid	5030C	
570-1231-12	HA7-0.5	Total/NA	Solid	5030C	
570-1231-15	HA8-0.5	Total/NA	Solid	5030C	
570-1231-18	HA9-0.5	Total/NA	Solid	5030C	
MB 570-4929/3-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-4929/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-4929/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	

QC Association Summary

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

GC VOA

Analysis Batch: 4959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-1	HA2-0.5	Total/NA	Solid	8015B	4929
570-1231-4	HA3-0.5	Total/NA	Solid	8015B	4929
570-1231-7	HA4-0.5	Total/NA	Solid	8015B	4929
570-1231-10	HA5-0.5	Total/NA	Solid	8015B	4929
570-1231-12	HA7-0.5	Total/NA	Solid	8015B	4929
570-1231-15	HA8-0.5	Total/NA	Solid	8015B	4929
570-1231-18	HA9-0.5	Total/NA	Solid	8015B	4929
570-1231-21	HA10-0.5	Total/NA	Solid	8015B	4907
570-1231-24	HA11-0.5	Total/NA	Solid	8015B	4907
570-1231-27	HA12-0.5	Total/NA	Solid	8015B	4907
570-1231-30	HA13-0.5	Total/NA	Solid	8015B	4907
570-1231-33	HA14-0.5	Total/NA	Solid	8015B	4907
MB 570-4929/3-A	Method Blank	Total/NA	Solid	8015B	4929
LCS 570-4929/1-A	Lab Control Sample	Total/NA	Solid	8015B	4929
LCSD 570-4929/2-A	Lab Control Sample Dup	Total/NA	Solid	8015B	4929
570-1231-21 MS	HA10-0.5	Total/NA	Solid	8015B	4907
570-1231-21 MSD	HA10-0.5	Total/NA	Solid	8015B	4907

GC Semi VOA

Prep Batch: 4408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-36	EB1	Total/NA	Water	3510C	
MB 570-4408/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-4408/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-4408/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 4442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-4408/1-A	Method Blank	Total/NA	Water	8015B	4408
LCS 570-4408/2-A	Lab Control Sample	Total/NA	Water	8015B	4408
LCSD 570-4408/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	4408

Prep Batch: 4445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-36	EB1	Total/NA	Water	3510C	
MB 570-4445/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-4445/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 570-4445/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-4445/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 570-4445/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 4591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-1	HA2-0.5	Total/NA	Solid	3545	
570-1231-4	HA3-0.5	Total/NA	Solid	3545	
570-1231-7	HA4-0.5	Total/NA	Solid	3545	
570-1231-10	HA5-0.5	Total/NA	Solid	3545	
570-1231-12	HA7-0.5	Total/NA	Solid	3545	
570-1231-15	HA8-0.5	Total/NA	Solid	3545	
570-1231-18	HA9-0.5	Total/NA	Solid	3545	

GC Semi VOA (Continued)

Prep Batch: 4591 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-21	HA10-0.5	Total/NA	Solid	3545	
570-1231-24	HA11-0.5	Total/NA	Solid	3545	
570-1231-27	HA12-0.5	Total/NA	Solid	3545	
570-1231-30	HA13-0.5	Total/NA	Solid	3545	
570-1231-33	HA14-0.5	Total/NA	Solid	3545	
MB 570-4591/1-A	Method Blank	Total/NA	Solid	3545	
LCS 570-4591/20-A	Lab Control Sample	Total/NA	Solid	3545	
LCS 570-4591/2-A	Lab Control Sample	Total/NA	Solid	3545	
570-1231-7 MS	HA4-0.5	Total/NA	Solid	3545	
570-1231-7 MSD	HA4-0.5	Total/NA	Solid	3545	
570-1231-15 MS	HA8-0.5	Total/NA	Solid	3545	
570-1231-15 MSD	HA8-0.5	Total/NA	Solid	3545	

Prep Batch: 4766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-1	HA2-0.5	Total/NA	Solid	3550C	
570-1231-4	HA3-0.5	Total/NA	Solid	3550C	
570-1231-7	HA4-0.5	Total/NA	Solid	3550C	
570-1231-10	HA5-0.5	Total/NA	Solid	3550C	
570-1231-12	HA7-0.5	Total/NA	Solid	3550C	
570-1231-15	HA8-0.5	Total/NA	Solid	3550C	
570-1231-18	HA9-0.5	Total/NA	Solid	3550C	
570-1231-21	HA10-0.5	Total/NA	Solid	3550C	
570-1231-24	HA11-0.5	Total/NA	Solid	3550C	
570-1231-27	HA12-0.5	Total/NA	Solid	3550C	
570-1231-30	HA13-0.5	Total/NA	Solid	3550C	
570-1231-33	HA14-0.5	Total/NA	Solid	3550C	
MB 570-4766/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-4766/2-A	Lab Control Sample	Total/NA	Solid	3550C	
570-1231-7 MS	HA4-0.5	Total/NA	Solid	3550C	
570-1231-7 MSD	HA4-0.5	Total/NA	Solid	3550C	

Prep Batch: 4861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-4861/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-4861/2-A	Lab Control Sample	Total/NA	Solid	3550C	
570-1375-B-1-A MS	Matrix Spike	Total/NA	Solid	3550C	
570-1375-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

Analysis Batch: 4886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-1	HA2-0.5	Total/NA	Solid	8015B	4766
570-1231-4	HA3-0.5	Total/NA	Solid	8015B	4766
570-1231-7	HA4-0.5	Total/NA	Solid	8015B	4766
570-1231-10	HA5-0.5	Total/NA	Solid	8015B	4766
570-1231-15	HA8-0.5	Total/NA	Solid	8015B	4766
570-1231-18	HA9-0.5	Total/NA	Solid	8015B	4766
570-1231-21	HA10-0.5	Total/NA	Solid	8015B	4766
570-1231-24	HA11-0.5	Total/NA	Solid	8015B	4766
570-1231-27	HA12-0.5	Total/NA	Solid	8015B	4766
570-1231-30	HA13-0.5	Total/NA	Solid	8015B	4766

GC Semi VOA (Continued)

Analysis Batch: 4886 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-33	HA14-0.5	Total/NA	Solid	8015B	4766
570-1231-36	EB1	Total/NA	Water	8015B	4408
MB 570-4766/1-A	Method Blank	Total/NA	Solid	8015B	4766
LCS 570-4766/2-A	Lab Control Sample	Total/NA	Solid	8015B	4766
570-1231-7 MS	HA4-0.5	Total/NA	Solid	8015B	4766
570-1231-7 MSD	HA4-0.5	Total/NA	Solid	8015B	4766

Analysis Batch: 4963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-36	EB1	Total/NA	Water	8081A	4445
MB 570-4445/1-A	Method Blank	Total/NA	Water	8081A	4445
LCS 570-4445/4-A	Lab Control Sample	Total/NA	Water	8081A	4445
LCSD 570-4445/5-A	Lab Control Sample Dup	Total/NA	Water	8081A	4445

Analysis Batch: 4989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-1	HA2-0.5	Total/NA	Solid	8081A	4591
570-1231-4	HA3-0.5	Total/NA	Solid	8081A	4591
570-1231-7	HA4-0.5	Total/NA	Solid	8081A	4591
570-1231-10	HA5-0.5	Total/NA	Solid	8081A	4591
570-1231-12	HA7-0.5	Total/NA	Solid	8081A	4591
570-1231-15	HA8-0.5	Total/NA	Solid	8081A	4591
570-1231-18	HA9-0.5	Total/NA	Solid	8081A	4591
570-1231-21	HA10-0.5	Total/NA	Solid	8081A	4591
570-1231-24	HA11-0.5	Total/NA	Solid	8081A	4591
570-1231-27	HA12-0.5	Total/NA	Solid	8081A	4591
570-1231-30	HA13-0.5	Total/NA	Solid	8081A	4591
570-1231-33	HA14-0.5	Total/NA	Solid	8081A	4591
MB 570-4591/1-A	Method Blank	Total/NA	Solid	8081A	4591
LCS 570-4591/2-A	Lab Control Sample	Total/NA	Solid	8081A	4591
570-1231-7 MS	HA4-0.5	Total/NA	Solid	8081A	4591
570-1231-7 MSD	HA4-0.5	Total/NA	Solid	8081A	4591

Analysis Batch: 5073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-15	HA8-0.5	Total/NA	Solid	8082	4591
570-1231-36	EB1	Total/NA	Water	8082	4445
MB 570-4445/1-A	Method Blank	Total/NA	Water	8082	4445
MB 570-4591/1-A	Method Blank	Total/NA	Solid	8082	4591
LCS 570-4445/2-A	Lab Control Sample	Total/NA	Water	8082	4445
LCS 570-4591/20-A	Lab Control Sample	Total/NA	Solid	8082	4591
LCSD 570-4445/3-A	Lab Control Sample Dup	Total/NA	Water	8082	4445
570-1231-15 MS	HA8-0.5	Total/NA	Solid	8082	4591
570-1231-15 MSD	HA8-0.5	Total/NA	Solid	8082	4591

Analysis Batch: 5169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-12	HA7-0.5	Total/NA	Solid	8015B	4766
MB 570-4861/1-A	Method Blank	Total/NA	Solid	8015B	4861
LCS 570-4861/2-A	Lab Control Sample	Total/NA	Solid	8015B	4861
570-1375-B-1-A MS	Matrix Spike	Total/NA	Solid	8015B	4861

GC Semi VOA (Continued)

Analysis Batch: 5169 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	4861

Metals

Prep Batch: 4651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-1	HA2-0.5	Total/NA	Solid	3050B	
570-1231-4	HA3-0.5	Total/NA	Solid	3050B	
570-1231-7	HA4-0.5	Total/NA	Solid	3050B	
570-1231-10	HA5-0.5	Total/NA	Solid	3050B	
570-1231-12	HA7-0.5	Total/NA	Solid	3050B	
570-1231-15	HA8-0.5	Total/NA	Solid	3050B	
570-1231-18	HA9-0.5	Total/NA	Solid	3050B	
570-1231-21	HA10-0.5	Total/NA	Solid	3050B	
570-1231-24	HA11-0.5	Total/NA	Solid	3050B	
570-1231-27	HA12-0.5	Total/NA	Solid	3050B	
570-1231-30	HA13-0.5	Total/NA	Solid	3050B	
570-1231-33	HA14-0.5	Total/NA	Solid	3050B	
MB 570-4651/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-4651/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-4651/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-1231-33 MS	HA14-0.5	Total/NA	Solid	3050B	
570-1231-33 MSD	HA14-0.5	Total/NA	Solid	3050B	

Prep Batch: 4667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-1	HA2-0.5	Total/NA	Solid	3050B	
570-1231-4	HA3-0.5	Total/NA	Solid	3050B	
570-1231-7	HA4-0.5	Total/NA	Solid	3050B	
570-1231-10	HA5-0.5	Total/NA	Solid	3050B	
570-1231-12	HA7-0.5	Total/NA	Solid	3050B	
570-1231-15	HA8-0.5	Total/NA	Solid	3050B	
570-1231-18	HA9-0.5	Total/NA	Solid	3050B	
570-1231-21	HA10-0.5	Total/NA	Solid	3050B	
570-1231-24	HA11-0.5	Total/NA	Solid	3050B	
570-1231-27	HA12-0.5	Total/NA	Solid	3050B	
570-1231-30	HA13-0.5	Total/NA	Solid	3050B	
570-1231-33	HA14-0.5	Total/NA	Solid	3050B	
MB 570-4667/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-4667/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-4667/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-1231-33 MS	HA14-0.5	Total/NA	Solid	3050B	
570-1231-33 MSD	HA14-0.5	Total/NA	Solid	3050B	

Analysis Batch: 4855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-1	HA2-0.5	Total/NA	Solid	6020	4667
570-1231-4	HA3-0.5	Total/NA	Solid	6020	4667
570-1231-7	HA4-0.5	Total/NA	Solid	6020	4667
570-1231-10	HA5-0.5	Total/NA	Solid	6020	4667
570-1231-12	HA7-0.5	Total/NA	Solid	6020	4667

Metals (Continued)

Analysis Batch: 4855 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-15	HA8-0.5	Total/NA	Solid	6020	4667
570-1231-18	HA9-0.5	Total/NA	Solid	6020	4667
570-1231-21	HA10-0.5	Total/NA	Solid	6020	4667
570-1231-24	HA11-0.5	Total/NA	Solid	6020	4667
570-1231-27	HA12-0.5	Total/NA	Solid	6020	4667
570-1231-30	HA13-0.5	Total/NA	Solid	6020	4667
570-1231-33	HA14-0.5	Total/NA	Solid	6020	4667
MB 570-4667/1-A	Method Blank	Total/NA	Solid	6020	4667
LCS 570-4667/2-A	Lab Control Sample	Total/NA	Solid	6020	4667
LCSD 570-4667/3-A	Lab Control Sample Dup	Total/NA	Solid	6020	4667
570-1231-33 MS	HA14-0.5	Total/NA	Solid	6020	4667
570-1231-33 MSD	HA14-0.5	Total/NA	Solid	6020	4667

Prep Batch: 5037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-36	EB1	Total/NA	Water	3010A	
MB 570-5037/1-A	Method Blank	Total/NA	Water	3010A	
LCS 570-5037/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 570-5037/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
570-1264-N-1-B MS	Matrix Spike	Total/NA	Water	3010A	
570-1264-N-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Prep Batch: 5061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-36	EB1	Total/NA	Water	3020A	
MB 570-5061/1-A	Method Blank	Total/NA	Water	3020A	
LCS 570-5061/2-A	Lab Control Sample	Total/NA	Water	3020A	
LCSD 570-5061/3-A	Lab Control Sample Dup	Total/NA	Water	3020A	
570-1170-N-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3020A	
570-1170-N-1-D MS	Matrix Spike	Total/NA	Water	3020A	

Analysis Batch: 5262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-1	HA2-0.5	Total/NA	Solid	6010B	4651
570-1231-4	HA3-0.5	Total/NA	Solid	6010B	4651
570-1231-7	HA4-0.5	Total/NA	Solid	6010B	4651
570-1231-10	HA5-0.5	Total/NA	Solid	6010B	4651
570-1231-12	HA7-0.5	Total/NA	Solid	6010B	4651
570-1231-15	HA8-0.5	Total/NA	Solid	6010B	4651
570-1231-18	HA9-0.5	Total/NA	Solid	6010B	4651
570-1231-21	HA10-0.5	Total/NA	Solid	6010B	4651
570-1231-24	HA11-0.5	Total/NA	Solid	6010B	4651
570-1231-27	HA12-0.5	Total/NA	Solid	6010B	4651
570-1231-30	HA13-0.5	Total/NA	Solid	6010B	4651
570-1231-33	HA14-0.5	Total/NA	Solid	6010B	4651
MB 570-4651/1-A	Method Blank	Total/NA	Solid	6010B	4651
LCS 570-4651/2-A	Lab Control Sample	Total/NA	Solid	6010B	4651
LCSD 570-4651/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	4651
570-1231-33 MS	HA14-0.5	Total/NA	Solid	6010B	4651
570-1231-33 MSD	HA14-0.5	Total/NA	Solid	6010B	4651

Metals

Analysis Batch: 5407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-36	EB1	Total/NA	Water	6020	5061
MB 570-5061/1-A	Method Blank	Total/NA	Water	6020	5061
LCS 570-5061/2-A	Lab Control Sample	Total/NA	Water	6020	5061
LCSD 570-5061/3-A	Lab Control Sample Dup	Total/NA	Water	6020	5061
570-1170-N-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6020	5061
570-1170-N-1-D MS	Matrix Spike	Total/NA	Water	6020	5061

Analysis Batch: 5412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-36	EB1	Total/NA	Water	6010B	5037
MB 570-5037/1-A	Method Blank	Total/NA	Water	6010B	5037
LCS 570-5037/2-A	Lab Control Sample	Total/NA	Water	6010B	5037
LCSD 570-5037/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	5037
570-1264-N-1-B MS	Matrix Spike	Total/NA	Water	6010B	5037
570-1264-N-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	5037

Client Sample ID: HA2-0.5
Lab Sample ID: 570-1231-1

Date Collected: 07/08/19 09:32
Matrix: Solid

Date Received: 07/09/19 19:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.277 g	5 mL	4737	07/12/19 10:16	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	4786	07/12/19 18:51	FD74	ECL 2
	Instrument ID: GCMSGGG									
Total/NA	Prep	3545			20.0 g	2 mL	4539	07/11/19 13:14	EA	ECL 1
Total/NA	Analysis	8270C		1			4966	07/13/19 14:58	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			4.92 g	5 mL	4929	07/12/19 21:42	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	4959	07/13/19 16:10	U1MC	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.06 g	10 mL	4766	07/12/19 11:42	CL	ECL 1
Total/NA	Analysis	8015B		1			4886	07/13/19 10:11	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.1 g	10 mL	4591	07/11/19 15:28	EA	ECL 1
Total/NA	Analysis	8081A		1			4989	07/14/19 12:19	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			1.98 g	100 mL	4651	07/11/19 17:00	AP	ECL 1
Total/NA	Analysis	6010B		1			5262	07/12/19 16:17	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			1.98 g	100 mL	4667	07/11/19 19:00	AP	ECL 1
Total/NA	Analysis	6020		20			4855	07/12/19 14:22	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA3-0.5
Lab Sample ID: 570-1231-4

Date Collected: 07/08/19 11:20
Matrix: Solid

Date Received: 07/09/19 19:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.219 g	5 mL	4737	07/12/19 10:16	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	4786	07/12/19 19:16	FD74	ECL 2
	Instrument ID: GCMSGGG									
Total/NA	Prep	3545			20.0 g	2 mL	4539	07/11/19 13:14	EA	ECL 1
Total/NA	Analysis	8270C		1			4966	07/13/19 15:16	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			4.93 g	5 mL	4929	07/12/19 21:42	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	4959	07/13/19 16:43	U1MC	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			9.49 g	10 mL	4766	07/12/19 11:42	CL	ECL 1
Total/NA	Analysis	8015B		1			4886	07/13/19 10:33	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.4 g	10 mL	4591	07/11/19 15:28	EA	ECL 1
Total/NA	Analysis	8081A		1			4989	07/14/19 12:33	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			1.98 g	100 mL	4651	07/11/19 17:00	AP	ECL 1
Total/NA	Analysis	6010B		1			5262	07/12/19 16:19	ULPF	ECL 1
	Instrument ID: ICP8									

Client Sample ID: HA3-0.5 **Lab Sample ID: 570-1231-4**
Date Collected: 07/08/19 11:20 **Matrix: Solid**
Date Received: 07/09/19 19:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.99 g	100 mL	4667	07/11/19 19:00	AP	ECL 1
Total/NA	Analysis	6020		20			4855	07/12/19 14:58	UFLE	ECL 1
	Instrument ID:	ICPMS05								

Client Sample ID: HA4-0.5 **Lab Sample ID: 570-1231-7**
Date Collected: 07/08/19 10:42 **Matrix: Solid**
Date Received: 07/09/19 19:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.867 g	5 mL	4737	07/12/19 10:16	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	4786	07/12/19 19:42	FD74	ECL 2
	Instrument ID:	GCMSGGG								
Total/NA	Prep	3545			20.1 g	2 mL	4539	07/11/19 13:14	EA	ECL 1
Total/NA	Analysis	8270C		1			4966	07/13/19 15:35	N8CZ	ECL 1
	Instrument ID:	GCMSCCC								
Total/NA	Prep	5030C			4.90 g	5 mL	4929	07/12/19 21:42	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	4959	07/13/19 17:17	U1MC	ECL 2
	Instrument ID:	GC25								
Total/NA	Prep	3550C			10.09 g	10 mL	4766	07/12/19 11:42	CL	ECL 1
Total/NA	Analysis	8015B		1			4886	07/13/19 10:54	N5Y3	ECL 1
	Instrument ID:	GC48								
Total/NA	Prep	3545			20.3 g	10 mL	4591	07/11/19 15:28	EA	ECL 1
Total/NA	Analysis	8081A		1			4989	07/14/19 12:48	U6T2	ECL 1
	Instrument ID:	GC44								
Total/NA	Prep	3050B			2.00 g	100 mL	4651	07/11/19 17:00	AP	ECL 1
Total/NA	Analysis	6010B		1			5262	07/12/19 16:21	ULPF	ECL 1
	Instrument ID:	ICP8								
Total/NA	Prep	3050B			1.97 g	100 mL	4667	07/11/19 19:00	AP	ECL 1
Total/NA	Analysis	6020		20			4855	07/12/19 14:25	UFLE	ECL 1
	Instrument ID:	ICPMS05								

Client Sample ID: HA5-0.5 **Lab Sample ID: 570-1231-10**
Date Collected: 07/08/19 14:02 **Matrix: Solid**
Date Received: 07/09/19 19:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.832 g	5 mL	4737	07/12/19 10:16	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	4786	07/12/19 20:07	FD74	ECL 2
	Instrument ID:	GCMSGGG								
Total/NA	Prep	3545			20.32 g	2 mL	6519	07/20/19 09:40	EA	ECL 1
Total/NA	Analysis	8270C		1			7026	07/23/19 14:12	N8CZ	ECL 1
	Instrument ID:	GCMSCCC								
Total/NA	Prep	5030C			5.01 g	5 mL	4929	07/12/19 21:42	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	4959	07/13/19 17:50	U1MC	ECL 2
	Instrument ID:	GC25								

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Client Sample ID: HA5-0.5

Lab Sample ID: 570-1231-10

Date Collected: 07/08/19 14:02

Matrix: Solid

Date Received: 07/09/19 19:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			9.76 g	10 mL	4766	07/12/19 11:42	CL	ECL 1
Total/NA	Analysis	8015B		1			4886	07/13/19 11:16	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.1 g	10 mL	4591	07/11/19 15:28	EA	ECL 1
Total/NA	Analysis	8081A		1			4989	07/14/19 13:02	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.07 g	100 mL	4651	07/11/19 17:00	AP	ECL 1
Total/NA	Analysis	6010B		1			5262	07/12/19 16:23	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			2.07 g	100 mL	4667	07/11/19 19:00	AP	ECL 1
Total/NA	Analysis	6020		20			4855	07/12/19 14:28	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA7-0.5

Lab Sample ID: 570-1231-12

Date Collected: 07/08/19 13:27

Matrix: Solid

Date Received: 07/09/19 19:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.358 g	5 mL	4737	07/12/19 10:16	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	4786	07/12/19 20:33	FD74	ECL 2
	Instrument ID: GCMSGGG									
Total/NA	Prep	3545			20.1 g	2 mL	4539	07/11/19 13:14	EA	ECL 1
Total/NA	Analysis	8270C		1			4966	07/13/19 16:12	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			5.03 g	5 mL	4929	07/12/19 21:42	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	4959	07/13/19 18:23	U1MC	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.08 g	10 mL	4766	07/12/19 11:42	CL	ECL 1
Total/NA	Analysis	8015B		2			5169	07/15/19 22:38	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.2 g	10 mL	4591	07/11/19 15:28	EA	ECL 1
Total/NA	Analysis	8081A		1			4989	07/14/19 13:16	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			1.97 g	100 mL	4651	07/11/19 17:00	AP	ECL 1
Total/NA	Analysis	6010B		1			5262	07/12/19 16:25	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			2.07 g	100 mL	4667	07/11/19 19:00	AP	ECL 1
Total/NA	Analysis	6020		20			4855	07/12/19 14:31	UFLE	ECL 1
	Instrument ID: ICPMS05									

Lab Chronicle

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

Client Sample ID: HA8-0.5
Date Collected: 07/08/19 09:02
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.213 g	5 mL	4737	07/12/19 10:16	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	4786	07/12/19 20:59	FD74	ECL 2
	Instrument ID: GCMSGGG									
Total/NA	Prep	3545			20.24 g	2 mL	6519	07/20/19 09:40	EA	ECL 1
Total/NA	Analysis	8270C		1			7026	07/23/19 14:30	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			5.08 g	5 mL	4929	07/12/19 21:42	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	4959	07/13/19 18:57	U1MC	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.04 g	10 mL	4766	07/12/19 11:42	CL	ECL 1
Total/NA	Analysis	8015B		1			4886	07/13/19 11:59	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.3 g	10 mL	4591	07/11/19 15:28	EA	ECL 1
Total/NA	Analysis	8081A		1			4989	07/14/19 13:30	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3545			20.3 g	10 mL	4591	07/11/19 15:28	EA	ECL 1
Total/NA	Analysis	8082		1			5073	07/14/19 20:09	U6T2	ECL 1
	Instrument ID: GC31									
Total/NA	Prep	3050B			2.08 g	100 mL	4651	07/11/19 17:00	AP	ECL 1
Total/NA	Analysis	6010B		1			5262	07/12/19 16:27	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			2.03 g	100 mL	4667	07/11/19 19:00	AP	ECL 1
Total/NA	Analysis	6020		20			4855	07/12/19 14:33	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA9-0.5
Date Collected: 07/08/19 10:02
Date Received: 07/09/19 19:40

Lab Sample ID: 570-1231-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.002 g	5 mL	4737	07/12/19 10:16	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	4786	07/12/19 21:24	FD74	ECL 2
	Instrument ID: GCMSGGG									
Total/NA	Prep	3545			20.1 g	2 mL	4539	07/11/19 13:14	EA	ECL 1
Total/NA	Analysis	8270C		5			4966	07/13/19 16:49	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			4.93 g	5 mL	4929	07/12/19 21:42	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	4959	07/13/19 19:30	U1MC	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			9.95 g	10 mL	4766	07/12/19 11:42	CL	ECL 1
Total/NA	Analysis	8015B		10			4886	07/13/19 12:20	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.4 g	10 mL	4591	07/11/19 15:28	EA	ECL 1
Total/NA	Analysis	8081A		1			4989	07/14/19 13:44	U6T2	ECL 1
	Instrument ID: GC44									

Lab Chronicle

Client: EFI Global, Inc. Job ID: 570-1231-1
Project/Site: WH Taft HS

Client Sample ID: HA9-0.5 Lab Sample ID: 570-1231-18

Date Collected: 07/08/19 10:02 **Matrix: Solid**
Date Received: 07/09/19 19:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.98 g	100 mL	4651	07/11/19 17:00	AP	ECL 1
Total/NA	Analysis	6010B		1			5262	07/12/19 16:28	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			2.05 g	100 mL	4667	07/11/19 19:00	AP	ECL 1
Total/NA	Analysis	6020		20			4855	07/12/19 14:36	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA10-0.5 Lab Sample ID: 570-1231-21

Date Collected: 07/08/19 12:10 **Matrix: Solid**
Date Received: 07/09/19 19:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.784 g	5 mL	4737	07/12/19 10:16	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	4786	07/12/19 21:49	FD74	ECL 2
	Instrument ID: GCMSGGG									
Total/NA	Prep	3545			20.0 g	2 mL	4539	07/11/19 13:14	EA	ECL 1
Total/NA	Analysis	8270C		1			4966	07/13/19 17:07	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			5.09 g	5 mL	4907	07/12/19 19:36	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	4959	07/13/19 14:31	U1MC	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			9.92 g	10 mL	4766	07/12/19 11:42	CL	ECL 1
Total/NA	Analysis	8015B		1			4886	07/13/19 12:42	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.2 g	10 mL	4591	07/11/19 15:28	EA	ECL 1
Total/NA	Analysis	8081A		1			4989	07/14/19 13:59	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.03 g	100 mL	4651	07/11/19 17:00	AP	ECL 1
Total/NA	Analysis	6010B		1			5262	07/12/19 16:30	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			2.06 g	100 mL	4667	07/11/19 19:00	AP	ECL 1
Total/NA	Analysis	6020		20			4855	07/12/19 14:39	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA11-0.5 Lab Sample ID: 570-1231-24

Date Collected: 07/08/19 12:27 **Matrix: Solid**
Date Received: 07/09/19 19:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.146 g	5 mL	4737	07/12/19 10:16	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	4786	07/12/19 22:14	FD74	ECL 2
	Instrument ID: GCMSGGG									
Total/NA	Prep	3545			19.9 g	2 mL	4539	07/11/19 13:14	EA	ECL 1
Total/NA	Analysis	8270C		1			4966	07/13/19 17:26	N8CZ	ECL 1
	Instrument ID: GCMSCCC									

Client Sample ID: HA11-0.5 Lab Sample ID: 570-1231-24

Date Collected: 07/08/19 12:27 **Matrix: Solid**
Date Received: 07/09/19 19:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			4.94 g	5 mL	4907	07/12/19 19:36	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	4959	07/13/19 20:03	U1MC	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.23 g	10 mL	4766	07/12/19 11:42	CL	ECL 1
Total/NA	Analysis	8015B		1			4886	07/13/19 13:03	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.4 g	10 mL	4591	07/11/19 15:28	EA	ECL 1
Total/NA	Analysis	8081A		1			4989	07/14/19 14:13	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			1.98 g	100 mL	4651	07/11/19 17:00	AP	ECL 1
Total/NA	Analysis	6010B		1			5262	07/12/19 16:37	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			1.99 g	100 mL	4667	07/11/19 19:00	AP	ECL 1
Total/NA	Analysis	6020		20			4855	07/12/19 14:42	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA12-0.5 Lab Sample ID: 570-1231-27

Date Collected: 07/08/19 14:42 **Matrix: Solid**
Date Received: 07/09/19 19:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.123 g	5 mL	4737	07/12/19 10:16	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	4786	07/12/19 22:39	FD74	ECL 2
	Instrument ID: GCMSGGG									
Total/NA	Prep	3545			20.1 g	2 mL	4539	07/11/19 13:14	EA	ECL 1
Total/NA	Analysis	8270C		1			4966	07/13/19 17:44	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			5.06 g	5 mL	4907	07/12/19 19:36	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	4959	07/13/19 20:36	U1MC	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.05 g	10 mL	4766	07/12/19 11:42	CL	ECL 1
Total/NA	Analysis	8015B		1			4886	07/13/19 13:25	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.1 g	10 mL	4591	07/11/19 15:28	EA	ECL 1
Total/NA	Analysis	8081A		1			4989	07/14/19 14:27	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.01 g	100 mL	4651	07/11/19 17:00	AP	ECL 1
Total/NA	Analysis	6010B		1			5262	07/12/19 16:39	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			2.01 g	100 mL	4667	07/11/19 19:00	AP	ECL 1
Total/NA	Analysis	6020		20			4855	07/12/19 14:45	UFLE	ECL 1
	Instrument ID: ICPMS05									

Lab Chronicle

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

Client Sample ID: HA13-0.5

Lab Sample ID: 570-1231-30

Date Collected: 07/08/19 12:55

Matrix: Solid

Date Received: 07/09/19 19:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.004 g	5 mL	4737	07/12/19 10:16	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	4786	07/12/19 23:04	FD74	ECL 2
	Instrument ID: GCMSGGG									
Total/NA	Prep	3545			20.0 g	2 mL	4539	07/11/19 13:14	EA	ECL 1
Total/NA	Analysis	8270C		1			4966	07/13/19 18:03	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			5.00 g	5 mL	4907	07/12/19 19:36	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	4959	07/13/19 22:15	U1MC	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			9.92 g	10 mL	4766	07/12/19 11:42	CL	ECL 1
Total/NA	Analysis	8015B		1			4886	07/13/19 13:46	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.3 g	10 mL	4591	07/11/19 15:28	EA	ECL 1
Total/NA	Analysis	8081A		1			4989	07/14/19 14:41	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.02 g	100 mL	4651	07/11/19 17:00	AP	ECL 1
Total/NA	Analysis	6010B		1			5262	07/12/19 16:41	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			2.05 g	100 mL	4667	07/11/19 19:00	AP	ECL 1
Total/NA	Analysis	6020		20			4855	07/12/19 14:47	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA14-0.5

Lab Sample ID: 570-1231-33

Date Collected: 07/08/19 15:12

Matrix: Solid

Date Received: 07/09/19 19:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.768 g	5 mL	4737	07/12/19 10:16	P4DI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5069	07/13/19 23:57	BE5H	ECL 2
	Instrument ID: GCMSGGG									
Total/NA	Prep	3545			20.0 g	2 mL	4539	07/11/19 13:14	EA	ECL 1
Total/NA	Analysis	8270C		1			4966	07/13/19 18:21	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			4.95 g	5 mL	4907	07/12/19 22:00	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	4959	07/13/19 22:48	U1MC	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.07 g	10 mL	4766	07/12/19 11:42	CL	ECL 1
Total/NA	Analysis	8015B		1			4886	07/13/19 14:07	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.3 g	10 mL	4591	07/11/19 15:28	EA	ECL 1
Total/NA	Analysis	8081A		1			4989	07/14/19 14:56	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.04 g	100 mL	4651	07/11/19 17:00	AP	ECL 1
Total/NA	Analysis	6010B		1			5262	07/12/19 15:29	ULPF	ECL 1
	Instrument ID: ICP8									

Client Sample ID: HA14-0.5

Lab Sample ID: 570-1231-33

Date Collected: 07/08/19 15:12

Matrix: Solid

Date Received: 07/09/19 19:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	100 mL	4667	07/11/19 19:00	AP	ECL 1
Total/NA	Analysis	6020		20			4855	07/12/19 14:03	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: EB1

Lab Sample ID: 570-1231-36

Date Collected: 07/08/19 16:00

Matrix: Water

Date Received: 07/09/19 19:40

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	5040	07/13/19 22:12	UX77	ECL 2
	Instrument ID: GCMSZ									
Total/NA	Prep	3510C			1049.4 mL	2 mL	4301	07/10/19 13:15	OAJ3	ECL 1
Total/NA	Analysis	8270C		1	1 mL	1.0 mL	4824	07/12/19 18:37	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Analysis	8015B		1	5 mL	5 mL	4478	07/11/19 19:26	U1MC	ECL 2
	Instrument ID: GC42									
Total/NA	Prep	3510C			550 mL	2.5 mL	4408	07/10/19 18:41	UFLU	ECL 1
Total/NA	Analysis	8015B		1			4886	07/12/19 22:06	N5Y3	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3510C			1047.3 mL	5 mL	4445	07/11/19 09:51	OAJ3	ECL 1
Total/NA	Analysis	8081A		1			4963	07/13/19 12:55	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3510C			1047.3 mL	5 mL	4445	07/11/19 09:51	OAJ3	ECL 1
Total/NA	Analysis	8082		1			5073	07/14/19 16:01	U6T2	ECL 1
	Instrument ID: GC31									
Total/NA	Prep	3010A			50 mL	50 mL	5037	07/12/19 15:00	WL8G	ECL 1
Total/NA	Analysis	6010B		1			5412	07/15/19 16:44	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3020A			50 mL	50 mL	5061	07/12/19 15:00	WL8G	ECL 1
Total/NA	Analysis	6020		1			5407	07/15/19 18:46	UFLE	ECL 1
	Instrument ID: ICPMS05									

Laboratory References:

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

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: EFI Global, Inc. | Job ID: 570-1231-1
Project/Site: WH Taft HS

Laboratory: Eurofins Calscience LLC

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Arizona	State Program	9	AZ0781	03-13-20
California	SCAQMD LAP	9	N/A	11-30-19
California	State Program	9	2944	09-30-19
Guam	State Program	9	19-004R	10-31-19
Hawaii	State Program	9	N/A	01-29-20
Nevada	State Program	9	CA00111	07-31-19
Oregon	NELAP Primary AB	10	CA300001	01-20-20
Washington	State Program	10	C916	10-11-19

Method Summary

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	ECL 1
8015B	Gasoline Range Organics - (GC)	SW846	ECL 2
8015B	Diesel Range Organics (DRO) (GC)	SW846	ECL 1
8081A	Organochlorine Pesticides (GC)	SW846	ECL 1
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
6010B	Metals (ICP)	SW846	ECL 1
6020	Metals (ICP/MS)	SW846	ECL 1
3010A	Preparation, Total Metals	SW846	ECL 1
3020A	Preparation, Total Metals	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ECL 1
3545	Pressurized Fluid Extraction	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 1
5030C	Purge and Trap	SW846	ECL
5035	Closed System 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 = Eurofins Calscience LLC, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

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: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1231-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-1231-1	HA2-0.5	Solid	07/08/19 09:32	07/09/19 19:40	
570-1231-4	HA3-0.5	Solid	07/08/19 11:20	07/09/19 19:40	
570-1231-7	HA4-0.5	Solid	07/08/19 10:42	07/09/19 19:40	
570-1231-10	HA5-0.5	Solid	07/08/19 14:02	07/09/19 19:40	
570-1231-12	HA7-0.5	Solid	07/08/19 13:27	07/09/19 19:40	
570-1231-15	HA8-0.5	Solid	07/08/19 09:02	07/09/19 19:40	
570-1231-18	HA9-0.5	Solid	07/08/19 10:02	07/09/19 19:40	
570-1231-21	HA10-0.5	Solid	07/08/19 12:10	07/09/19 19:40	
570-1231-24	HA11-0.5	Solid	07/08/19 12:27	07/09/19 19:40	
570-1231-27	HA12-0.5	Solid	07/08/19 14:42	07/09/19 19:40	
570-1231-30	HA13-0.5	Solid	07/08/19 12:55	07/09/19 19:40	
570-1231-33	HA14-0.5	Solid	07/08/19 15:12	07/09/19 19:40	
570-1231-36	EB1	Water	07/08/19 16:00	07/09/19 19:40	

EFI Global
Engineering, Fire & Environmental Services

EFI Global
5261 West Imperial Highway, Los A
Tel: (310) 854-6300 Fax: (310) 854

570-1231 Chain of Custody

Chain-of-Custody Record

Analytical Laboratory: Eurofins Calscience		
Project Name / Number	WH Taft HS	045.00349
Project Address:	5461 Winnetka Ave., Woodland Hills, CA 91364	
Project Manager:	Shayan Simantob	
Sampled by:	P. Skeath	
Phone:	(310) 920 - 1230	
Email:	Shayan.Simantob@efiglobal.com	

Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	Preservative: HNO3	Preservative: NaHSO4	Preservative: HCl	Sampling Information: Time	Sampling Information: Date
1	HA2 - 0.5		X			X							0932	7/8/19
2	HA2 - 1.5		X			X							0934	↓
3	HA2 - 3		X			X							0936	
4	HA3 - 0.5		X			X							1120	
5	HA3 - 1.5		X			X							1122	
6	HA3 - 3		X			X							1124	
7	HA4 - 0.5		X			X							1042	
8	HA4 - 1.5		X			X							1044	
9	HA4 - 3		X			X							1046	
10	HA5 - 0.5		X			X							1402	
11	HA5 - 1.5		X			X							1404	
12	HA7 - 0.5		X			X							1327	
13	HA7 - 1.5		X			X							1329	
14	HA7 - 3		X			X							1331	
15	HA8 - 0.5		X			X							0902	
16	HA8 - 1.5		X			X							0904	
17	HA8 - 3		X			X							0906	
18	HA9 - 0.5		X			X							1002	
19	HA9 - 1.5		X			X							1004	
20	HA9 - 3		X			X							1006	↓

Number	Method: Lead (6010B)	Arsenic (6020)	TPHg + EPRH (8015)	OCPs (8081A)	PCBs (8082)	VOCs (8260B) 5035	~~VOCs (5035)~~	SVOCs (8270C)			Hold		Container: 8 oz Jar ~~/5035~~	5035				Turnaround Time: Normal / Standard (7 Day TAT)	72 Hour	48 Hours	24 Hours
1	X	X	X	X		X		X					X	X				X			
2											X		X					X			
3											X		X					X			
4	X	X	X	X		X		X					X	X				X			
5											X		X					X			
6											X		X					X			
7	X	X	X	X		X		X					X	X				X			
8											X		X					X			
9											X		X					X			
10	X	X	X	X		X		X					X	X				X			
11											X		X					X			
12	X	X	X	X		X		X					X	X				X			
13											X		X					X			
14											X		X					X			
15	X	X	X	X	X	X		X					X	X				X			
16											X		X					X			
17											X		X					X			
18	X	X	X	X		X		X					X	X				X			
19											X		X					X			
20											X		X					X			

Relinquished by	Date	Time	Received by	Date	Time
[signature]	7/9/19	1250	[signature]	7/9/19	1250
[signature]	7/9/19	1940	[signature]	7/9/19	1940

Remarks
Sample condition (circle): Chilled Intact
Excavation Area:

7/25/2019

EFI Global

Engineering, Fire & Environmental Services

Andersen Environmental, an EFI Global Company
5261 West Imperial Highway, Los Angeles CA 90045
Tel: (310) 854-6300 Fax: (310) 854-0199 www.AndersenEnviro.com

Chain-of-Custody Record

2 / 2

~~AE_EFI_01~~

Analytical Laboratory:	Eurofins Calscience	Geotracker Global ID:	
Project Number:	WH Taft HS		045.00349
Project Address:	5461 Winnetka Ave, Woodland Hills, CA 91364		
Project Manager:	Shayan Simantob		
Sampled by:	P. Smith		
Phone:	(310) 920-1230		
Email:	shayan.simantob@efiglobal.com		

Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	Preservative: HNO3	Preservative: NaHSO4	Preservative: HCl	Sampling Information: Date	Sampling Information: Time
1	HA10-0.5												7/9/19	1210
2	HA10-1.5													1212
3	HA10-3													1214
4	HA11-0.5													1227
5	HA11-1.5													1229
6	HA11-3													1231
7	HA12-0.5													1442
8	HA12-1.5													1446
9	HA12-3													1448
10	HA13-0.5													1255
11	HA13-1.5													1257
12	HA13-3													1259
13	HA14-0.5													1512
14	HA14-1.5													1514
15	HA14-3													1516
16	EB1													1600
17	TB1													
18														
19														
20														

Number	Method: VOCs, EPA Method 8260B 5035	Method: TPH carbon chain, EPA Method 8015M	Method: Metals, EPA Method 6010B/7470A	Method: Lead, EPA Method 6010B	Method: Arsenic, EPA Method ~~6010B~~ 6020	Method: ~~STLC Lead EPA Method~~ SVOCs (8270)	Method: ~~TCLP Lead EPA Method~~ TPHs + EPH (8015)	Method: PCBs, EPA Method 8082	Method: OCPs (8081A)	Method: Grab	Method: Composite	Method: Hold	Container: 4- or 8-ounce Glass	Container: ~~Plastic Bag~~ 5035	Container: VOAs ~~(by EPA 5035)~~	Container: Vacuums	Container:	Turnaround Time: Normal / Standard (7 DAY)	Turnaround Time: 72 Hour	Turnaround Time: 48 Hours	Turnaround Time: 24 Hours
1	X			X	X	X	X		X	X			X	X				X			
2												X									
3												X									
4	X			X	X	X	X		X					X							
5												X									
6												X									
7	X			X	X	X	X		X					X							
8												X									
9												X									
10	X			X	X	X	X		X					X							
11												X									
12												X									
13	X			X	X	X	X		X					X							
14												X									
15												X									
16	X			X	X	X	X	X	X					X		X					
17												X			X						
18																					
19																					
20																					

Relinquished by	Date	Time	Received by	Date	Time	Remarks
[signature]	7/9/19	1250	[signature]	7/9/19	1250	Sample condition (circle): Chilled Intact
	7/9/19	1940	[signature]	07/09/19	1940	**Excavation Area:**

Login Sample Receipt Checklist

Client: EFI Global, Inc.

Job Number: 570-1231-1

Login Number: 1231
List Number: 1
Creator: Castro, Joy

List Source: Eurofins Calscience

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

ANALYTICAL REPORT

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

Laboratory Job ID: 570-1375-1
Client Project/Site: WH Taft HS

For:
EFI Global, Inc.
5261 West Imperial Highway
Los Angeles, California 90045

Attn: Desi Salgado

Authorized for release by:
7/25/2019 8:02:56 PM

Stephen Nowak, Project Manager I
(714)895-5494
stephennowak@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.

Table of Contents

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

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.

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F4	MS/MSD RPD exceeds control limits due to sample size difference.

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)

Job ID: 570-1375-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-1375-1

Comments
No additional comments.

Receipt
The samples were received on 7/10/2019 1:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 3.5º C, 3.7º C, 3.8º C and 3.9º C.

Receipt Exceptions

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): HA16-0.5 (570-1375-11), HA16-1.5 (570-1375-12) and HA16-3 (570-1375-13). The container labels list HA17-0.5 while COC list HA16-0.5; HA17-1.5 while COC list HA16-1.5; HA17-3 while COC list HA16-3.

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): B9A-0.5 (570-1375-39) and B9A-1.5 (570-1375-40). The container labels list 12:35 while the COC lists 12:32; 12:37 while the COC lists 12:34.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): HA23-0.5 (570-1375-33). The container labels list while the COC lists 1 of 3 terracore is labeled as HA22-0.5 while COC list is as HA23-0.5.

Vials not individually labeled. Labeled in ziploc.

EB2 (570-1375-45) and TB2 (570-1375-46)

GC/MS VOA
Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 570-4764 and analytical batch 570-5069 recovered outside control limits for the following analytes: 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene and tert-Butylbenzene.
These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

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

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

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

GC Semi VOA
Method(s) 8082: The laboratory control sample (LCS) for preparation batch 570-4445 and analytical batch 570-5073 recovered outside control limits for the following analytes: < PCB-1016 >. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

Metals
Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision of Lead for preparation batch 570-4860 and analytical batch 570-5659 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Job ID: 570-1375-1 (Continued)

Laboratory: Eurofins Calscience LLC (Continued)

Organic Prep
Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-4445.LCS/LCSD performed to meet QC requirements. 8081/8082. OAJ3.

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-4949. LCS/LCSD performed to meet QC requirements. 8270. OAJ3

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.

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

Client Sample ID: HA1-0.5

Lab Sample ID: 570-1375-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	120		60		ug/Kg	1		8260B	Total/NA
Dimethyl phthalate	0.79		0.49		mg/Kg	1		8270C	Total/NA
Lead	12.7		0.508		mg/Kg	1		6010B	Total/NA
Arsenic	12.2		0.966		mg/Kg	20		6020	Total/NA

Client Sample ID: HA6-0.5

Lab Sample ID: 570-1375-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	100		45		ug/Kg	1		8260B	Total/NA
Dimethyl phthalate	0.88		0.50		mg/Kg	1		8270C	Total/NA
Lead	1.52		0.498		mg/Kg	1		6010B	Total/NA
Arsenic	3.47		0.966		mg/Kg	20		6020	Total/NA

Client Sample ID: HA6-0.5 DUP

Lab Sample ID: 570-1375-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	100		46		ug/Kg	1		8260B	Total/NA
Dimethyl phthalate	0.82		0.50		mg/Kg	1		8270C	Total/NA
Lead	2.10		0.500		mg/Kg	1		6010B	Total/NA
Arsenic	4.16		0.966		mg/Kg	20		6020	Total/NA

Client Sample ID: HA15-0.5

Lab Sample ID: 570-1375-8

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	190		61		ug/Kg	1		8260B	Total/NA
Dimethyl phthalate	0.70		0.49		mg/Kg	1		8270C	Total/NA
C29-C32	8.8		5.0		mg/Kg	1		8015B	Total/NA
C33-C36	9.6		5.0		mg/Kg	1		8015B	Total/NA
Lead	40.4		0.495		mg/Kg	1		6010B	Total/NA
Arsenic	6.88		1.02		mg/Kg	20		6020	Total/NA

Client Sample ID: HA16-0.5

Lab Sample ID: 570-1375-11

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	180		54		ug/Kg	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	0.68		0.50		mg/Kg	1		8270C	Total/NA
Dimethyl phthalate	0.57		0.50		mg/Kg	1		8270C	Total/NA
C33-C36	5.5		5.1		mg/Kg	1		8015B	Total/NA
4,4'-DDE	13		4.9		ug/Kg	1		8081A	Total/NA
Lead	34.4		0.490		mg/Kg	1		6010B	Total/NA
Arsenic	3.59		1.00		mg/Kg	20		6020	Total/NA

Client Sample ID: HA17-0.5

Lab Sample ID: 570-1375-14

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dimethyl phthalate	0.50		0.50		mg/Kg	1		8270C	Total/NA
Lead	12.5		0.485		mg/Kg	1		6010B	Total/NA
Arsenic	3.16		0.976		mg/Kg	20		6020	Total/NA

Client Sample ID: HA18-0.5

Lab Sample ID: 570-1375-17

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	55		41		ug/Kg	1		8260B	Total/NA
C25-C28	28		24		mg/Kg	5		8015B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HA18-0.5 (Continued) Lab Sample ID: 570-1375-17

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
C29-C32	56		24		mg/Kg	5		8015B	Total/NA
C33-C36	47		24		mg/Kg	5		8015B	Total/NA
C37-C40	36		24		mg/Kg	5		8015B	Total/NA
Lead	6.77		0.503		mg/Kg	1		6010B	Total/NA
Arsenic	2.22		1.01		mg/Kg	20		6020	Total/NA

Client Sample ID: HA19-0.5 Lab Sample ID: 570-1375-20

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
C25-C28	41		25		mg/Kg	5		8015B	Total/NA
C29-C32	92		25		mg/Kg	5		8015B	Total/NA
C33-C36	82		25		mg/Kg	5		8015B	Total/NA
C37-C40	65		25		mg/Kg	5		8015B	Total/NA
C41-C44	28		25		mg/Kg	5		8015B	Total/NA
Lead	4.70		0.488		mg/Kg	1		6010B	Total/NA
Arsenic	2.39		1.01		mg/Kg	20		6020	Total/NA

Client Sample ID: HA20-0.5 Lab Sample ID: 570-1375-23

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dimethyl phthalate	0.71		0.50		mg/Kg	1		8270C	Total/NA
Arsenic	2.39		1.01		mg/Kg	20		6020	Total/NA

Client Sample ID: HA21-0.5 Lab Sample ID: 570-1375-26

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	140		47		ug/Kg	1		8260B	Total/NA
Dimethyl phthalate	0.56		0.50		mg/Kg	1		8270C	Total/NA
C33-C36	6.5		4.9		mg/Kg	1		8015B	Total/NA
Lead	23.7		0.481		mg/Kg	1		6010B	Total/NA
Arsenic	4.22		1.01		mg/Kg	20		6020	Total/NA

Client Sample ID: HA22-0.5 Lab Sample ID: 570-1375-29

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	170		57		ug/Kg	1		8260B	Total/NA
C23-C24	20		4.8		mg/Kg	1		8015B	Total/NA
C25-C28	9.4		4.8		mg/Kg	1		8015B	Total/NA
C33-C36	7.9		4.8		mg/Kg	1		8015B	Total/NA
C41-C44	8.2		4.8		mg/Kg	1		8015B	Total/NA
Lead	31.4		0.513		mg/Kg	1		6010B	Total/NA
Arsenic	6.46		0.980		mg/Kg	20		6020	Total/NA

Client Sample ID: HA22-0.5 DUP Lab Sample ID: 570-1375-30

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	120		63		ug/Kg	1		8260B	Total/NA
Dimethyl phthalate	0.54		0.50		mg/Kg	1		8270C	Total/NA
C23-C24	15		5.0		mg/Kg	1		8015B	Total/NA
C25-C28	8.2		5.0		mg/Kg	1		8015B	Total/NA
C33-C36	8.0		5.0		mg/Kg	1		8015B	Total/NA
C41-C44	5.7		5.0		mg/Kg	1		8015B	Total/NA
Lead	33.1		0.481		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HA22-0.5 DUP (Continued) — Lab Sample ID: 570-1375-30

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.97		0.966		mg/Kg	20		6020	Total/NA

Client Sample ID: HA23-0.5 — Lab Sample ID: 570-1375-33

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	110		43		ug/Kg	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	0.84		0.50		mg/Kg	1		8270C	Total/NA
Dimethyl phthalate	0.52		0.50		mg/Kg	1		8270C	Total/NA
C25-C28	5.5		5.0		mg/Kg	1		8015B	Total/NA
C29-C32	7.0		5.0		mg/Kg	1		8015B	Total/NA
C33-C36	7.3		5.0		mg/Kg	1		8015B	Total/NA
Dieldrin	1.3		0.99		ug/Kg	1		8081A	Total/NA
Lead	24.7		0.495		mg/Kg	1		6010B	Total/NA
Arsenic	4.78		1.02		mg/Kg	20		6020	Total/NA

Client Sample ID: HA27-0.5 — Lab Sample ID: 570-1375-36

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dimethyl phthalate	0.63		0.49		mg/Kg	1		8270C	Total/NA
Lead	10.6		0.513		mg/Kg	1		6010B	Total/NA
Arsenic	5.64		0.990		mg/Kg	20		6020	Total/NA

Client Sample ID: B9A-0.5 — Lab Sample ID: 570-1375-39

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	10.9		5.05		mg/Kg	100		6020	Total/NA

Client Sample ID: B9B-0.5 — Lab Sample ID: 570-1375-42

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	14.9		4.95		mg/Kg	100		6020	Total/NA

Client Sample ID: EB2 — Lab Sample ID: 570-1375-45

No Detections.

This Detection Summary does not include radiochemical test results.

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

Client Sample ID: HA1-0.5
Date Collected: 07/09/19 08:17
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
1,1,1-Trichloroethane	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
1,1,2,2-Tetrachloroethane	ND		2.4		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
1,1,2-Trichloroethane	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
1,1-Dichloroethane	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
1,1-Dichloroethene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
1,1-Dichloropropene	ND		2.4		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
1,2,3-Trichlorobenzene	ND	*	2.4		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
1,2,3-Trichloropropane	ND		2.4		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
1,2,4-Trichlorobenzene	ND	*	2.4		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
1,2,4-Trimethylbenzene	ND		2.4		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
1,2-Dibromo-3-Chloropropane	ND		12		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
1,2-Dibromoethane	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
1,2-Dichlorobenzene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
1,2-Dichloroethane	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
1,2-Dichloropropane	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
1,3,5-Trimethylbenzene	ND		2.4		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
1,3-Dichlorobenzene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
1,3-Dichloropropane	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
1,4-Dichlorobenzene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
2,2-Dichloropropane	ND		6.0		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
2-Butanone	ND		24		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
1,4-Dioxane	ND		120		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
2-Chlorotoluene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
2-Hexanone	ND		24		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
4-Chlorotoluene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
4-Methyl-2-pentanone	ND		24		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Acetone	**120**		60		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Benzene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Bromobenzene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Bromochloromethane	ND		2.4		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Bromodichloromethane	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Bromoform	ND		6.0		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Bromomethane	ND		24		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
cis-1,2-Dichloroethene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
cis-1,3-Dichloropropene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Carbon disulfide	ND		12		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Carbon tetrachloride	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Chlorobenzene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Chloroethane	ND		2.4		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Chloroform	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Chloromethane	ND		24		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Dibromochloromethane	ND		2.4		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Dibromomethane	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Dichlorodifluoromethane	ND		2.4		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Di-isopropyl ether (DIPE)	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Ethanol	ND		600		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Ethylbenzene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1

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

Client Sample ID: HA1-0.5
Date Collected: 07/09/19 08:17
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Isopropylbenzene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Methylene Chloride	ND		12		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Methyl-t-Butyl Ether (MTBE)	ND		2.4		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Naphthalene	ND		12		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
n-Butylbenzene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
N-Propylbenzene	ND		2.4		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
o-Xylene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
m,p-Xylene	ND		2.4		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
p-Isopropyltoluene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
sec-Butylbenzene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Styrene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
trans-1,2-Dichloroethene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
trans-1,3-Dichloropropene	ND		2.4		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Tert-amyl-methyl ether (TAME)	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
tert-Butyl alcohol (TBA)	ND		24		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
tert-Butylbenzene	ND	*	1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Tetrachloroethene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Toluene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Trichloroethene	ND		2.4		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Trichlorofluoromethane	ND		12		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Vinyl acetate	ND		12		ug/Kg		07/12/19 13:43	07/14/19 00:22	1
Vinyl chloride	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*71 - 155*	*07/12/19 13:43*	*07/14/19 00:22*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*	*07/12/19 13:43*	*07/14/19 00:22*	*1*
Dibromofluoromethane	*102*		*79 - 133*	*07/12/19 13:43*	*07/14/19 00:22*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*07/12/19 13:43*	*07/14/19 00:22*	*1*

Client Sample ID: HA6-0.5
Date Collected: 07/09/19 09:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
1,1,1-Trichloroethane	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
1,1,2,2-Tetrachloroethane	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.0		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
1,1,2-Trichloroethane	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
1,1-Dichloroethane	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
1,1-Dichloroethene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
1,1-Dichloropropene	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
1,2,3-Trichlorobenzene	ND	*	1.8		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
1,2,3-Trichloropropane	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
1,2,4-Trichlorobenzene	ND	*	1.8		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
1,2,4-Trimethylbenzene	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
1,2-Dibromo-3-Chloropropane	ND		9.0		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
1,2-Dibromoethane	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
1,2-Dichlorobenzene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
1,2-Dichloroethane	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1

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

Client Sample ID: HA6-0.5
Date Collected: 07/09/19 09:02
Date Received: 07/10/19 13:00
Lab Sample ID: 570-1375-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
1,3,5-Trimethylbenzene	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
1,3-Dichlorobenzene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
1,3-Dichloropropane	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
1,4-Dichlorobenzene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
2,2-Dichloropropane	ND		4.5		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
2-Butanone	ND		18		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
1,4-Dioxane	ND		90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
2-Chlorotoluene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
2-Hexanone	ND		18		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
4-Chlorotoluene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
4-Methyl-2-pentanone	ND		18		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Acetone	**100**		45		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Benzene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Bromobenzene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Bromochloromethane	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Bromodichloromethane	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Bromoform	ND		4.5		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Bromomethane	ND		18		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
cis-1,2-Dichloroethene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
cis-1,3-Dichloropropene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Carbon disulfide	ND		9.0		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Carbon tetrachloride	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Chlorobenzene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Chloroethane	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Chloroform	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Chloromethane	ND		18		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Dibromochloromethane	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Dibromomethane	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Dichlorodifluoromethane	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Di-isopropyl ether (DIPE)	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Ethanol	ND		450		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Ethylbenzene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Ethyl-t-butyl ether (ETBE)	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Isopropylbenzene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Methylene Chloride	ND		9.0		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Methyl-t-Butyl Ether (MTBE)	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Naphthalene	ND		9.0		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
n-Butylbenzene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
N-Propylbenzene	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
o-Xylene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
m,p-Xylene	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
p-Isopropyltoluene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
sec-Butylbenzene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Styrene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
trans-1,2-Dichloroethene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
trans-1,3-Dichloropropene	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Tert-amyl-methyl ether (TAME)	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
tert-Butyl alcohol (TBA)	ND		18		ug/Kg		07/12/19 13:43	07/14/19 00:47	1

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

Client Sample ID: HA6-0.5 **Lab Sample ID: 570-1375-4**
Date Collected: 07/09/19 09:02 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND	*	0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Tetrachloroethene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Toluene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Trichloroethene	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Trichlorofluoromethane	ND		9.0		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Vinyl acetate	ND		9.0		ug/Kg		07/12/19 13:43	07/14/19 00:47	1
Vinyl chloride	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*71 - 155*	*07/12/19 13:43*	*07/14/19 00:47*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*	*07/12/19 13:43*	*07/14/19 00:47*	*1*
Dibromofluoromethane	*106*		*79 - 133*	*07/12/19 13:43*	*07/14/19 00:47*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/12/19 13:43*	*07/14/19 00:47*	*1*

Client Sample ID: HA6-0.5 DUP **Lab Sample ID: 570-1375-5**
Date Collected: 07/09/19 09:02 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
1,1,1-Trichloroethane	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
1,1,2,2-Tetrachloroethane	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.2		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
1,1,2-Trichloroethane	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
1,1-Dichloroethane	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
1,1-Dichloroethene	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
1,1-Dichloropropene	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
1,2,3-Trichlorobenzene	ND	*	1.8		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
1,2,3-Trichloropropane	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
1,2,4-Trichlorobenzene	ND	*	1.8		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
1,2,4-Trimethylbenzene	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
1,2-Dibromo-3-Chloropropane	ND		9.2		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
1,2-Dibromoethane	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
1,2-Dichlorobenzene	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
1,2-Dichloroethane	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
1,2-Dichloropropane	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
1,3,5-Trimethylbenzene	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
1,3-Dichlorobenzene	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
1,3-Dichloropropane	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
1,4-Dichlorobenzene	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
2,2-Dichloropropane	ND		4.6		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
2-Butanone	ND		18		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
1,4-Dioxane	ND		92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
2-Chlorotoluene	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
2-Hexanone	ND		18		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
4-Chlorotoluene	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
4-Methyl-2-pentanone	ND		18		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Acetone	**100**		46		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Benzene	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Bromobenzene	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Bromochloromethane	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 01:12	1

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

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

Client Sample ID: HA6-0.5 DUP
Date Collected: 07/09/19 09:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-5
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Bromoform	ND		4.6		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Bromomethane	ND		18		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
cis-1,2-Dichloroethene	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
cis-1,3-Dichloropropene	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Carbon disulfide	ND		9.2		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Carbon tetrachloride	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Chlorobenzene	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Chloroethane	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Chloroform	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Chloromethane	ND		18		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Dibromochloromethane	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Dibromomethane	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Dichlorodifluoromethane	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Di-isopropyl ether (DIPE)	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Ethanol	ND		460		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Ethylbenzene	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Ethyl-t-butyl ether (ETBE)	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Isopropylbenzene	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Methylene Chloride	ND		9.2		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Methyl-t-Butyl Ether (MTBE)	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Naphthalene	ND		9.2		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
n-Butylbenzene	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
N-Propylbenzene	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
o-Xylene	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
m,p-Xylene	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
p-Isopropyltoluene	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
sec-Butylbenzene	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Styrene	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
trans-1,2-Dichloroethene	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
trans-1,3-Dichloropropene	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Tert-amyl-methyl ether (TAME)	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
tert-Butyl alcohol (TBA)	ND		18		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
tert-Butylbenzene	ND	*	0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Tetrachloroethene	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Toluene	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Trichloroethene	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Trichlorofluoromethane	ND		9.2		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Vinyl acetate	ND		9.2		ug/Kg		07/12/19 13:43	07/14/19 01:12	1
Vinyl chloride	ND		0.92		ug/Kg		07/12/19 13:43	07/14/19 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*71 - 155*	*07/12/19 13:43*	*07/14/19 01:12*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*	*07/12/19 13:43*	*07/14/19 01:12*	*1*
Dibromofluoromethane	*106*		*79 - 133*	*07/12/19 13:43*	*07/14/19 01:12*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/12/19 13:43*	*07/14/19 01:12*	*1*

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

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

Client Sample ID: HA15-0.5 **Lab Sample ID: 570-1375-8**
Date Collected: 07/09/19 10:02 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
1,1,1-Trichloroethane	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
1,1,2,2-Tetrachloroethane	ND		2.4		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
1,1,2-Trichloroethane	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
1,1-Dichloroethane	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
1,1-Dichloroethene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
1,1-Dichloropropene	ND		2.4		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
1,2,3-Trichlorobenzene	ND	*	2.4		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
1,2,3-Trichloropropane	ND		2.4		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
1,2,4-Trichlorobenzene	ND	*	2.4		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
1,2,4-Trimethylbenzene	ND		2.4		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
1,2-Dibromo-3-Chloropropane	ND		12		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
1,2-Dibromoethane	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
1,2-Dichlorobenzene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
1,2-Dichloroethane	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
1,2-Dichloropropane	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
1,3,5-Trimethylbenzene	ND		2.4		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
1,3-Dichlorobenzene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
1,3-Dichloropropane	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
1,4-Dichlorobenzene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
2,2-Dichloropropane	ND		6.1		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
2-Butanone	ND		24		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
1,4-Dioxane	ND		120		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
2-Chlorotoluene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
2-Hexanone	ND		24		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
4-Chlorotoluene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
4-Methyl-2-pentanone	ND		24		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Acetone	**190**		61		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Benzene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Bromobenzene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Bromochloromethane	ND		2.4		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Bromodichloromethane	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Bromoform	ND		6.1		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Bromomethane	ND		24		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
cis-1,2-Dichloroethene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
cis-1,3-Dichloropropene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Carbon disulfide	ND		12		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Carbon tetrachloride	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Chlorobenzene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Chloroethane	ND		2.4		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Chloroform	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Chloromethane	ND		24		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Dibromochloromethane	ND		2.4		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Dibromomethane	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Dichlorodifluoromethane	ND		2.4		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Di-isopropyl ether (DIPE)	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Ethanol	ND		610		ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Ethylbenzene	ND		1.2		ug/Kg		07/12/19 13:43	07/14/19 01:37	1

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

Client Sample ID: HA15-0.5
Date Collected: 07/09/19 10:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-8
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		1.2	ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Isopropylbenzene	ND		1.2	ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Methylene Chloride	ND		12	ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Methyl-t-Butyl Ether (MTBE)	ND		2.4	ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Naphthalene	ND		12	ug/Kg		07/12/19 13:43	07/14/19 01:37	1
n-Butylbenzene	ND		1.2	ug/Kg		07/12/19 13:43	07/14/19 01:37	1
N-Propylbenzene	ND		2.4	ug/Kg		07/12/19 13:43	07/14/19 01:37	1
o-Xylene	ND		1.2	ug/Kg		07/12/19 13:43	07/14/19 01:37	1
m,p-Xylene	ND		2.4	ug/Kg		07/12/19 13:43	07/14/19 01:37	1
p-Isopropyltoluene	ND		1.2	ug/Kg		07/12/19 13:43	07/14/19 01:37	1
sec-Butylbenzene	ND		1.2	ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Styrene	ND		1.2	ug/Kg		07/12/19 13:43	07/14/19 01:37	1
trans-1,2-Dichloroethene	ND		1.2	ug/Kg		07/12/19 13:43	07/14/19 01:37	1
trans-1,3-Dichloropropene	ND		2.4	ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Tert-amyl-methyl ether (TAME)	ND		1.2	ug/Kg		07/12/19 13:43	07/14/19 01:37	1
tert-Butyl alcohol (TBA)	ND		24	ug/Kg		07/12/19 13:43	07/14/19 01:37	1
tert-Butylbenzene	ND	*	1.2	ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Tetrachloroethene	ND		1.2	ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Toluene	ND		1.2	ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Trichloroethene	ND		2.4	ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Trichlorofluoromethane	ND		12	ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Vinyl acetate	ND		12	ug/Kg		07/12/19 13:43	07/14/19 01:37	1
Vinyl chloride	ND		1.2	ug/Kg		07/12/19 13:43	07/14/19 01:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*71 - 155*	*07/12/19 13:43*	*07/14/19 01:37*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*	*07/12/19 13:43*	*07/14/19 01:37*	*1*
Dibromofluoromethane	*105*		*79 - 133*	*07/12/19 13:43*	*07/14/19 01:37*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/12/19 13:43*	*07/14/19 01:37*	*1*

Client Sample ID: HA16-0.5
Date Collected: 07/09/19 12:17
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-11
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.1	ug/Kg		07/12/19 13:43	07/14/19 02:01	1
1,1,1-Trichloroethane	ND		1.1	ug/Kg		07/12/19 13:43	07/14/19 02:01	1
1,1,2,2-Tetrachloroethane	ND		2.2	ug/Kg		07/12/19 13:43	07/14/19 02:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	ug/Kg		07/12/19 13:43	07/14/19 02:01	1
1,1,2-Trichloroethane	ND		1.1	ug/Kg		07/12/19 13:43	07/14/19 02:01	1
1,1-Dichloroethane	ND		1.1	ug/Kg		07/12/19 13:43	07/14/19 02:01	1
1,1-Dichloroethene	ND		1.1	ug/Kg		07/12/19 13:43	07/14/19 02:01	1
1,1-Dichloropropene	ND		2.2	ug/Kg		07/12/19 13:43	07/14/19 02:01	1
1,2,3-Trichlorobenzene	ND	*	2.2	ug/Kg		07/12/19 13:43	07/14/19 02:01	1
1,2,3-Trichloropropane	ND		2.2	ug/Kg		07/12/19 13:43	07/14/19 02:01	1
1,2,4-Trichlorobenzene	ND	*	2.2	ug/Kg		07/12/19 13:43	07/14/19 02:01	1
1,2,4-Trimethylbenzene	ND		2.2	ug/Kg		07/12/19 13:43	07/14/19 02:01	1
1,2-Dibromo-3-Chloropropane	ND		11	ug/Kg		07/12/19 13:43	07/14/19 02:01	1
1,2-Dibromoethane	ND		1.1	ug/Kg		07/12/19 13:43	07/14/19 02:01	1
1,2-Dichlorobenzene	ND		1.1	ug/Kg		07/12/19 13:43	07/14/19 02:01	1
1,2-Dichloroethane	ND		1.1	ug/Kg		07/12/19 13:43	07/14/19 02:01	1

Client Sample Results

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

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

Client Sample ID: HA16-0.5
Date Collected: 07/09/19 12:17
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-11
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
1,3,5-Trimethylbenzene	ND		2.2		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
1,3-Dichlorobenzene	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
1,3-Dichloropropane	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
1,4-Dichlorobenzene	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
2,2-Dichloropropane	ND		5.4		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
2-Butanone	ND		22		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
1,4-Dioxane	ND		110		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
2-Chlorotoluene	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
2-Hexanone	ND		22		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
4-Chlorotoluene	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
4-Methyl-2-pentanone	ND		22		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Acetone	**180**		54		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Benzene	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Bromobenzene	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Bromochloromethane	ND		2.2		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Bromodichloromethane	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Bromoform	ND		5.4		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Bromomethane	ND		22		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
cis-1,2-Dichloroethene	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
cis-1,3-Dichloropropene	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Carbon disulfide	ND		11		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Carbon tetrachloride	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Chlorobenzene	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Chloroethane	ND		2.2		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Chloroform	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Chloromethane	ND		22		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Dibromochloromethane	ND		2.2		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Dibromomethane	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Dichlorodifluoromethane	ND		2.2		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Di-isopropyl ether (DIPE)	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Ethanol	ND		540		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Ethylbenzene	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Ethyl-t-butyl ether (ETBE)	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Isopropylbenzene	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Methylene Chloride	ND		11		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Methyl-t-Butyl Ether (MTBE)	ND		2.2		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Naphthalene	ND		11		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
n-Butylbenzene	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
N-Propylbenzene	ND		2.2		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
o-Xylene	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
m,p-Xylene	ND		2.2		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
p-Isopropyltoluene	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
sec-Butylbenzene	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Styrene	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
trans-1,2-Dichloroethene	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
trans-1,3-Dichloropropene	ND		2.2		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Tert-amyl-methyl ether (TAME)	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
tert-Butyl alcohol (TBA)	ND		22		ug/Kg		07/12/19 13:43	07/14/19 02:01	1

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

Client Sample ID: HA16-0.5 **Lab Sample ID: 570-1375-11**
Date Collected: 07/09/19 12:17 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND	*	1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Tetrachloroethene	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Toluene	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Trichloroethene	ND		2.2		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Trichlorofluoromethane	ND		11		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Vinyl acetate	ND		11		ug/Kg		07/12/19 13:43	07/14/19 02:01	1
Vinyl chloride	ND		1.1		ug/Kg		07/12/19 13:43	07/14/19 02:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*71 - 155*	*07/12/19 13:43*	*07/14/19 02:01*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*	*07/12/19 13:43*	*07/14/19 02:01*	*1*
Dibromofluoromethane	*110*		*79 - 133*	*07/12/19 13:43*	*07/14/19 02:01*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*07/12/19 13:43*	*07/14/19 02:01*	*1*

Client Sample ID: HA17-0.5 **Lab Sample ID: 570-1375-14**
Date Collected: 07/09/19 10:37 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
1,1,1-Trichloroethane	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
1,1,2,2-Tetrachloroethane	ND		1.5		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.5		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
1,1,2-Trichloroethane	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
1,1-Dichloroethane	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
1,1-Dichloroethene	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
1,1-Dichloropropene	ND		1.5		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
1,2,3-Trichlorobenzene	ND	*	1.5		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
1,2,3-Trichloropropane	ND		1.5		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
1,2,4-Trichlorobenzene	ND	*	1.5		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
1,2,4-Trimethylbenzene	ND		1.5		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
1,2-Dibromo-3-Chloropropane	ND		7.5		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
1,2-Dibromoethane	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
1,2-Dichlorobenzene	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
1,2-Dichloroethane	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
1,2-Dichloropropane	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
1,3,5-Trimethylbenzene	ND		1.5		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
1,3-Dichlorobenzene	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
1,3-Dichloropropane	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
1,4-Dichlorobenzene	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
2,2-Dichloropropane	ND		3.8		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
2-Butanone	ND		15		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
1,4-Dioxane	ND		75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
2-Chlorotoluene	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
2-Hexanone	ND		15		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
4-Chlorotoluene	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
4-Methyl-2-pentanone	ND		15		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Acetone	ND		38		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Benzene	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Bromobenzene	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Bromochloromethane	ND		1.5		ug/Kg		07/12/19 13:43	07/14/19 02:26	1

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

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

Client Sample ID: HA17-0.5 **Lab Sample ID: 570-1375-14**
Date Collected: 07/09/19 10:37 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Bromoform	ND		3.8		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Bromomethane	ND		15		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
cis-1,2-Dichloroethene	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
cis-1,3-Dichloropropene	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Carbon disulfide	ND		7.5		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Carbon tetrachloride	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Chlorobenzene	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Chloroethane	ND		1.5		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Chloroform	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Chloromethane	ND		15		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Dibromochloromethane	ND		1.5		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Dibromomethane	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Dichlorodifluoromethane	ND		1.5		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Di-isopropyl ether (DIPE)	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Ethanol	ND		380		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Ethylbenzene	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Ethyl-t-butyl ether (ETBE)	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Isopropylbenzene	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Methylene Chloride	ND		7.5		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Methyl-t-Butyl Ether (MTBE)	ND		1.5		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Naphthalene	ND		7.5		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
n-Butylbenzene	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
N-Propylbenzene	ND		1.5		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
o-Xylene	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
m,p-Xylene	ND		1.5		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
p-Isopropyltoluene	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
sec-Butylbenzene	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Styrene	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
trans-1,2-Dichloroethene	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
trans-1,3-Dichloropropene	ND		1.5		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Tert-amyl-methyl ether (TAME)	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
tert-Butyl alcohol (TBA)	ND		15		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
tert-Butylbenzene	ND	*	0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Tetrachloroethene	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Toluene	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Trichloroethene	ND		1.5		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Trichlorofluoromethane	ND		7.5		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Vinyl acetate	ND		7.5		ug/Kg		07/12/19 13:43	07/14/19 02:26	1
Vinyl chloride	ND		0.75		ug/Kg		07/12/19 13:43	07/14/19 02:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*71 - 155*	*07/12/19 13:43*	*07/14/19 02:26*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*	*07/12/19 13:43*	*07/14/19 02:26*	*1*
Dibromofluoromethane	*110*		*79 - 133*	*07/12/19 13:43*	*07/14/19 02:26*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*	*07/12/19 13:43*	*07/14/19 02:26*	*1*

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

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

Client Sample ID: HA18-0.5
Date Collected: 07/09/19 13:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-17
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
1,1,1-Trichloroethane	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
1,1,2,2-Tetrachloroethane	ND		1.6		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.2		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
1,1,2-Trichloroethane	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
1,1-Dichloroethane	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
1,1-Dichloroethene	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
1,1-Dichloropropene	ND		1.6		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
1,2,3-Trichlorobenzene	ND	*	1.6		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
1,2,3-Trichloropropane	ND		1.6		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
1,2,4-Trichlorobenzene	ND	*	1.6		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
1,2,4-Trimethylbenzene	ND		1.6		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
1,2-Dibromo-3-Chloropropane	ND		8.2		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
1,2-Dibromoethane	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
1,2-Dichlorobenzene	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
1,2-Dichloroethane	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
1,2-Dichloropropane	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
1,3,5-Trimethylbenzene	ND		1.6		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
1,3-Dichlorobenzene	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
1,3-Dichloropropane	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
1,4-Dichlorobenzene	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
2,2-Dichloropropane	ND		4.1		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
2-Butanone	ND		16		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
1,4-Dioxane	ND		82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
2-Chlorotoluene	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
2-Hexanone	ND		16		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
4-Chlorotoluene	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
4-Methyl-2-pentanone	ND		16		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Acetone	**55**		41		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Benzene	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Bromobenzene	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Bromochloromethane	ND		1.6		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Bromodichloromethane	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Bromoform	ND		4.1		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Bromomethane	ND		16		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
cis-1,2-Dichloroethene	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
cis-1,3-Dichloropropene	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Carbon disulfide	ND		8.2		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Carbon tetrachloride	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Chlorobenzene	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Chloroethane	ND		1.6		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Chloroform	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Chloromethane	ND		16		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Dibromochloromethane	ND		1.6		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Dibromomethane	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Dichlorodifluoromethane	ND		1.6		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Di-isopropyl ether (DIPE)	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Ethanol	ND		410		ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Ethylbenzene	ND		0.82		ug/Kg		07/12/19 13:43	07/14/19 02:51	1

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

Client Sample ID: HA18-0.5 **Lab Sample ID: 570-1375-17**
Date Collected: 07/09/19 13:32 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		0.82	ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Isopropylbenzene	ND		0.82	ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Methylene Chloride	ND		8.2	ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Methyl-t-Butyl Ether (MTBE)	ND		1.6	ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Naphthalene	ND		8.2	ug/Kg		07/12/19 13:43	07/14/19 02:51	1
n-Butylbenzene	ND		0.82	ug/Kg		07/12/19 13:43	07/14/19 02:51	1
N-Propylbenzene	ND		1.6	ug/Kg		07/12/19 13:43	07/14/19 02:51	1
o-Xylene	ND		0.82	ug/Kg		07/12/19 13:43	07/14/19 02:51	1
m,p-Xylene	ND		1.6	ug/Kg		07/12/19 13:43	07/14/19 02:51	1
p-Isopropyltoluene	ND		0.82	ug/Kg		07/12/19 13:43	07/14/19 02:51	1
sec-Butylbenzene	ND		0.82	ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Styrene	ND		0.82	ug/Kg		07/12/19 13:43	07/14/19 02:51	1
trans-1,2-Dichloroethene	ND		0.82	ug/Kg		07/12/19 13:43	07/14/19 02:51	1
trans-1,3-Dichloropropene	ND		1.6	ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Tert-amyl-methyl ether (TAME)	ND		0.82	ug/Kg		07/12/19 13:43	07/14/19 02:51	1
tert-Butyl alcohol (TBA)	ND		16	ug/Kg		07/12/19 13:43	07/14/19 02:51	1
tert-Butylbenzene	ND	*	0.82	ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Tetrachloroethene	ND		0.82	ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Toluene	ND		0.82	ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Trichloroethene	ND		1.6	ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Trichlorofluoromethane	ND		8.2	ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Vinyl acetate	ND		8.2	ug/Kg		07/12/19 13:43	07/14/19 02:51	1
Vinyl chloride	ND		0.82	ug/Kg		07/12/19 13:43	07/14/19 02:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*71 - 155*	*07/12/19 13:43*	*07/14/19 02:51*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*	*07/12/19 13:43*	*07/14/19 02:51*	*1*
Dibromofluoromethane	*107*		*79 - 133*	*07/12/19 13:43*	*07/14/19 02:51*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*07/12/19 13:43*	*07/14/19 02:51*	*1*

Client Sample ID: HA19-0.5 **Lab Sample ID: 570-1375-20**
Date Collected: 07/09/19 11:32 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.95	ug/Kg		07/12/19 13:43	07/14/19 03:16	1
1,1,1-Trichloroethane	ND		0.95	ug/Kg		07/12/19 13:43	07/14/19 03:16	1
1,1,2,2-Tetrachloroethane	ND		1.9	ug/Kg		07/12/19 13:43	07/14/19 03:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.5	ug/Kg		07/12/19 13:43	07/14/19 03:16	1
1,1,2-Trichloroethane	ND		0.95	ug/Kg		07/12/19 13:43	07/14/19 03:16	1
1,1-Dichloroethane	ND		0.95	ug/Kg		07/12/19 13:43	07/14/19 03:16	1
1,1-Dichloroethene	ND		0.95	ug/Kg		07/12/19 13:43	07/14/19 03:16	1
1,1-Dichloropropene	ND		1.9	ug/Kg		07/12/19 13:43	07/14/19 03:16	1
1,2,3-Trichlorobenzene	ND	*	1.9	ug/Kg		07/12/19 13:43	07/14/19 03:16	1
1,2,3-Trichloropropane	ND		1.9	ug/Kg		07/12/19 13:43	07/14/19 03:16	1
1,2,4-Trichlorobenzene	ND	*	1.9	ug/Kg		07/12/19 13:43	07/14/19 03:16	1
1,2,4-Trimethylbenzene	ND		1.9	ug/Kg		07/12/19 13:43	07/14/19 03:16	1
1,2-Dibromo-3-Chloropropane	ND		9.5	ug/Kg		07/12/19 13:43	07/14/19 03:16	1
1,2-Dibromoethane	ND		0.95	ug/Kg		07/12/19 13:43	07/14/19 03:16	1
1,2-Dichlorobenzene	ND		0.95	ug/Kg		07/12/19 13:43	07/14/19 03:16	1
1,2-Dichloroethane	ND		0.95	ug/Kg		07/12/19 13:43	07/14/19 03:16	1

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

Client Sample ID: HA19-0.5
Lab Sample ID: 570-1375-20
Date Collected: 07/09/19 11:32
Matrix: Solid
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
1,3,5-Trimethylbenzene	ND		1.9		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
1,3-Dichlorobenzene	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
1,3-Dichloropropane	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
1,4-Dichlorobenzene	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
2,2-Dichloropropane	ND		4.8		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
2-Butanone	ND		19		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
1,4-Dioxane	ND		95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
2-Chlorotoluene	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
2-Hexanone	ND		19		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
4-Chlorotoluene	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
4-Methyl-2-pentanone	ND		19		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Acetone	ND		48		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Benzene	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Bromobenzene	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Bromochloromethane	ND		1.9		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Bromodichloromethane	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Bromoform	ND		4.8		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Bromomethane	ND		19		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
cis-1,2-Dichloroethene	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
cis-1,3-Dichloropropene	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Carbon disulfide	ND		9.5		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Carbon tetrachloride	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Chlorobenzene	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Chloroethane	ND		1.9		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Chloroform	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Chloromethane	ND		19		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Dibromochloromethane	ND		1.9		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Dibromomethane	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Dichlorodifluoromethane	ND		1.9		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Di-isopropyl ether (DIPE)	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Ethanol	ND		480		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Ethylbenzene	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Ethyl-t-butyl ether (ETBE)	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Isopropylbenzene	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Methylene Chloride	ND		9.5		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Methyl-t-Butyl Ether (MTBE)	ND		1.9		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Naphthalene	ND		9.5		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
n-Butylbenzene	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
N-Propylbenzene	ND		1.9		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
o-Xylene	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
m,p-Xylene	ND		1.9		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
p-Isopropyltoluene	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
sec-Butylbenzene	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Styrene	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
trans-1,2-Dichloroethene	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
trans-1,3-Dichloropropene	ND		1.9		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Tert-amyl-methyl ether (TAME)	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
tert-Butyl alcohol (TBA)	ND		19		ug/Kg		07/12/19 13:43	07/14/19 03:16	1

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

Client Sample ID: HA19-0.5
Date Collected: 07/09/19 11:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-20
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND	*	0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Tetrachloroethene	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Toluene	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Trichloroethene	ND		1.9		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Trichlorofluoromethane	ND		9.5		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Vinyl acetate	ND		9.5		ug/Kg		07/12/19 13:43	07/14/19 03:16	1
Vinyl chloride	ND		0.95		ug/Kg		07/12/19 13:43	07/14/19 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*71 - 155*	*07/12/19 13:43*	*07/14/19 03:16*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*	*07/12/19 13:43*	*07/14/19 03:16*	*1*
Dibromofluoromethane	*108*		*79 - 133*	*07/12/19 13:43*	*07/14/19 03:16*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*07/12/19 13:43*	*07/14/19 03:16*	*1*

Client Sample ID: HA20-0.5
Date Collected: 07/09/19 09:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-23
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
1,1,1-Trichloroethane	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
1,1,2,2-Tetrachloroethane	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.0		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
1,1,2-Trichloroethane	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
1,1-Dichloroethane	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
1,1-Dichloroethene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
1,1-Dichloropropene	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
1,2,3-Trichlorobenzene	ND	*	1.8		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
1,2,3-Trichloropropane	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
1,2,4-Trichlorobenzene	ND	*	1.8		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
1,2,4-Trimethylbenzene	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
1,2-Dibromo-3-Chloropropane	ND		9.0		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
1,2-Dibromoethane	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
1,2-Dichlorobenzene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
1,2-Dichloroethane	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
1,2-Dichloropropane	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
1,3,5-Trimethylbenzene	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
1,3-Dichlorobenzene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
1,3-Dichloropropane	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
1,4-Dichlorobenzene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
2,2-Dichloropropane	ND		4.5		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
2-Butanone	ND		18		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
1,4-Dioxane	ND		90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
2-Chlorotoluene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
2-Hexanone	ND		18		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
4-Chlorotoluene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
4-Methyl-2-pentanone	ND		18		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Acetone	ND		45		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Benzene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Bromobenzene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Bromochloromethane	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 03:41	1

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

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

Client Sample ID: HA20-0.5
Date Collected: 07/09/19 09:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-23
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Bromoform	ND		4.5		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Bromomethane	ND		18		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
cis-1,2-Dichloroethene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
cis-1,3-Dichloropropene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Carbon disulfide	ND		9.0		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Carbon tetrachloride	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Chlorobenzene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Chloroethane	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Chloroform	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Chloromethane	ND		18		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Dibromochloromethane	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Dibromomethane	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Dichlorodifluoromethane	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Di-isopropyl ether (DIPE)	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Ethanol	ND		450		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Ethylbenzene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Ethyl-t-butyl ether (ETBE)	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Isopropylbenzene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Methylene Chloride	ND		9.0		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Methyl-t-Butyl Ether (MTBE)	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Naphthalene	ND		9.0		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
n-Butylbenzene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
N-Propylbenzene	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
o-Xylene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
m,p-Xylene	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
p-Isopropyltoluene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
sec-Butylbenzene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Styrene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
trans-1,2-Dichloroethene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
trans-1,3-Dichloropropene	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Tert-amyl-methyl ether (TAME)	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
tert-Butyl alcohol (TBA)	ND		18		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
tert-Butylbenzene	ND	*	0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Tetrachloroethene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Toluene	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Trichloroethene	ND		1.8		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Trichlorofluoromethane	ND		9.0		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Vinyl acetate	ND		9.0		ug/Kg		07/12/19 13:43	07/14/19 03:41	1
Vinyl chloride	ND		0.90		ug/Kg		07/12/19 13:43	07/14/19 03:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*71 - 155*	*07/12/19 13:43*	*07/14/19 03:41*	*1*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*	*07/12/19 13:43*	*07/14/19 03:41*	*1*
Dibromofluoromethane	*111*		*79 - 133*	*07/12/19 13:43*	*07/14/19 03:41*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/12/19 13:43*	*07/14/19 03:41*	*1*

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

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

Client Sample ID: HA21-0.5
Date Collected: 07/09/19 14:42
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-26
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
1,1,1-Trichloroethane	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
1,1,2,2-Tetrachloroethane	ND		1.9	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.4	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
1,1,2-Trichloroethane	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
1,1-Dichloroethane	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
1,1-Dichloroethene	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
1,1-Dichloropropene	ND		1.9	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
1,2,3-Trichlorobenzene	ND	*	1.9	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
1,2,3-Trichloropropane	ND		1.9	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
1,2,4-Trichlorobenzene	ND	*	1.9	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
1,2,4-Trimethylbenzene	ND		1.9	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
1,2-Dibromo-3-Chloropropane	ND		9.4	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
1,2-Dibromoethane	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
1,2-Dichlorobenzene	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
1,2-Dichloroethane	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
1,2-Dichloropropane	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
1,3,5-Trimethylbenzene	ND		1.9	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
1,3-Dichlorobenzene	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
1,3-Dichloropropane	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
1,4-Dichlorobenzene	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
2,2-Dichloropropane	ND		4.7	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
2-Butanone	ND		19	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
1,4-Dioxane	ND		94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
2-Chlorotoluene	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
2-Hexanone	ND		19	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
4-Chlorotoluene	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
4-Methyl-2-pentanone	ND		19	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Acetone	**140**		47	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Benzene	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Bromobenzene	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Bromochloromethane	ND		1.9	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Bromodichloromethane	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Bromoform	ND		4.7	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Bromomethane	ND		19	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
cis-1,2-Dichloroethene	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
cis-1,3-Dichloropropene	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Carbon disulfide	ND		9.4	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Carbon tetrachloride	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Chlorobenzene	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Chloroethane	ND		1.9	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Chloroform	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Chloromethane	ND		19	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Dibromochloromethane	ND		1.9	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Dibromomethane	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Dichlorodifluoromethane	ND		1.9	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Di-isopropyl ether (DIPE)	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Ethanol	ND		470	ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Ethylbenzene	ND		0.94	ug/Kg		07/12/19 13:43	07/14/19 04:07	1

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

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

Client Sample ID: HA21-0.5
Date Collected: 07/09/19 14:42
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-26
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		0.94		ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Isopropylbenzene	ND		0.94		ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Methylene Chloride	ND		9.4		ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Methyl-t-Butyl Ether (MTBE)	ND		1.9		ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Naphthalene	ND		9.4		ug/Kg		07/12/19 13:43	07/14/19 04:07	1
n-Butylbenzene	ND		0.94		ug/Kg		07/12/19 13:43	07/14/19 04:07	1
N-Propylbenzene	ND		1.9		ug/Kg		07/12/19 13:43	07/14/19 04:07	1
o-Xylene	ND		0.94		ug/Kg		07/12/19 13:43	07/14/19 04:07	1
m,p-Xylene	ND		1.9		ug/Kg		07/12/19 13:43	07/14/19 04:07	1
p-Isopropyltoluene	ND		0.94		ug/Kg		07/12/19 13:43	07/14/19 04:07	1
sec-Butylbenzene	ND		0.94		ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Styrene	ND		0.94		ug/Kg		07/12/19 13:43	07/14/19 04:07	1
trans-1,2-Dichloroethene	ND		0.94		ug/Kg		07/12/19 13:43	07/14/19 04:07	1
trans-1,3-Dichloropropene	ND		1.9		ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Tert-amyl-methyl ether (TAME)	ND		0.94		ug/Kg		07/12/19 13:43	07/14/19 04:07	1
tert-Butyl alcohol (TBA)	ND		19		ug/Kg		07/12/19 13:43	07/14/19 04:07	1
tert-Butylbenzene	ND	*	0.94		ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Tetrachloroethene	ND		0.94		ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Toluene	ND		0.94		ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Trichloroethene	ND		1.9		ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Trichlorofluoromethane	ND		9.4		ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Vinyl acetate	ND		9.4		ug/Kg		07/12/19 13:43	07/14/19 04:07	1
Vinyl chloride	ND		0.94		ug/Kg		07/12/19 13:43	07/14/19 04:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*71 - 155*	*07/12/19 13:43*	*07/14/19 04:07*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*	*07/12/19 13:43*	*07/14/19 04:07*	*1*
Dibromofluoromethane	*106*		*79 - 133*	*07/12/19 13:43*	*07/14/19 04:07*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*07/12/19 13:43*	*07/14/19 04:07*	*1*

Client Sample ID: HA22-0.5
Date Collected: 07/09/19 14:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-29
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
1,1,1-Trichloroethane	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
1,1,2,2-Tetrachloroethane	ND		2.3		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
1,1,2-Trichloroethane	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
1,1-Dichloroethane	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
1,1-Dichloroethene	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
1,1-Dichloropropene	ND		2.3		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
1,2,3-Trichlorobenzene	ND		2.3		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
1,2,3-Trichloropropane	ND		2.3		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
1,2,4-Trichlorobenzene	ND		2.3		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
1,2,4-Trimethylbenzene	ND		2.3		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
1,2-Dibromo-3-Chloropropane	ND		11		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
1,2-Dibromoethane	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
1,2-Dichlorobenzene	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
1,2-Dichloroethane	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1

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

Client Sample ID: HA22-0.5
Lab Sample ID: 570-1375-29
Date Collected: 07/09/19 14:02
Matrix: Solid
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
1,3,5-Trimethylbenzene	ND		2.3		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
1,3-Dichlorobenzene	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
1,3-Dichloropropane	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
1,4-Dichlorobenzene	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
2,2-Dichloropropane	ND		5.7		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
2-Butanone	ND		23		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
1,4-Dioxane	ND		110		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
2-Chlorotoluene	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
2-Hexanone	ND		23		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
4-Chlorotoluene	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
4-Methyl-2-pentanone	ND		23		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Acetone	**170**		57		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Benzene	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Bromobenzene	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Bromochloromethane	ND		2.3		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Bromodichloromethane	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Bromoform	ND		5.7		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Bromomethane	ND		23		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
cis-1,2-Dichloroethene	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
cis-1,3-Dichloropropene	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Carbon disulfide	ND		11		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Carbon tetrachloride	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Chlorobenzene	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Chloroethane	ND		2.3		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Chloroform	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Chloromethane	ND		23		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Dibromochloromethane	ND		2.3		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Dibromomethane	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Dichlorodifluoromethane	ND		2.3		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Di-isopropyl ether (DIPE)	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Ethanol	ND		570		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Ethylbenzene	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Ethyl-t-butyl ether (ETBE)	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Isopropylbenzene	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Methylene Chloride	ND		11		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Methyl-t-Butyl Ether (MTBE)	ND		2.3		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Naphthalene	ND		11		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
n-Butylbenzene	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
N-Propylbenzene	ND		2.3		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
o-Xylene	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
m,p-Xylene	ND		2.3		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
p-Isopropyltoluene	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
sec-Butylbenzene	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Styrene	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
trans-1,2-Dichloroethene	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
trans-1,3-Dichloropropene	ND		2.3		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Tert-amyl-methyl ether (TAME)	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
tert-Butyl alcohol (TBA)	ND		23		ug/Kg		07/12/19 13:43	07/16/19 14:25	1

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

Client Sample ID: HA22-0.5 **Lab Sample ID: 570-1375-29**
Date Collected: 07/09/19 14:02 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Tetrachloroethene	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Toluene	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Trichloroethene	ND		2.3		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Trichlorofluoromethane	ND		11		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Vinyl acetate	ND		11		ug/Kg		07/12/19 13:43	07/16/19 14:25	1
Vinyl chloride	ND		1.1		ug/Kg		07/12/19 13:43	07/16/19 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*133*		*71 - 155*	*07/12/19 13:43*	*07/16/19 14:25*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*	*07/12/19 13:43*	*07/16/19 14:25*	*1*
Dibromofluoromethane	*109*		*79 - 133*	*07/12/19 13:43*	*07/16/19 14:25*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/12/19 13:43*	*07/16/19 14:25*	*1*

Client Sample ID: HA22-0.5 DUP **Lab Sample ID: 570-1375-30**
Date Collected: 07/09/19 14:02 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
1,1,1-Trichloroethane	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
1,1,2,2-Tetrachloroethane	ND		2.5		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
1,1,2-Trichloroethane	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
1,1-Dichloroethane	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
1,1-Dichloroethene	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
1,1-Dichloropropene	ND		2.5		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
1,2,3-Trichlorobenzene	ND		2.5		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
1,2,3-Trichloropropane	ND		2.5		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
1,2,4-Trichlorobenzene	ND		2.5		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
1,2,4-Trimethylbenzene	ND		2.5		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
1,2-Dibromo-3-Chloropropane	ND		13		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
1,2-Dibromoethane	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
1,2-Dichlorobenzene	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
1,2-Dichloroethane	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
1,2-Dichloropropane	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
1,3,5-Trimethylbenzene	ND		2.5		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
1,3-Dichlorobenzene	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
1,3-Dichloropropane	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
1,4-Dichlorobenzene	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
2,2-Dichloropropane	ND		6.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
2-Butanone	ND		25		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
1,4-Dioxane	ND		130		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
2-Chlorotoluene	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
2-Hexanone	ND		25		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
4-Chlorotoluene	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
4-Methyl-2-pentanone	ND		25		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Acetone	**120**		63		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Benzene	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Bromobenzene	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Bromochloromethane	ND		2.5		ug/Kg		07/12/19 13:43	07/16/19 14:52	1

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

Client Sample ID: HA22-0.5 DUP **Lab Sample ID: 570-1375-30**
Date Collected: 07/09/19 14:02 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Bromoform	ND		6.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Bromomethane	ND		25		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
cis-1,2-Dichloroethene	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
cis-1,3-Dichloropropene	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Carbon disulfide	ND		13		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Carbon tetrachloride	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Chlorobenzene	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Chloroethane	ND		2.5		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Chloroform	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Chloromethane	ND		25		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Dibromochloromethane	ND		2.5		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Dibromomethane	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Dichlorodifluoromethane	ND		2.5		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Di-isopropyl ether (DIPE)	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Ethanol	ND		630		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Ethylbenzene	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Ethyl-t-butyl ether (ETBE)	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Isopropylbenzene	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Methylene Chloride	ND		13		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Methyl-t-Butyl Ether (MTBE)	ND		2.5		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Naphthalene	ND		13		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
n-Butylbenzene	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
N-Propylbenzene	ND		2.5		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
o-Xylene	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
m,p-Xylene	ND		2.5		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
p-Isopropyltoluene	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
sec-Butylbenzene	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Styrene	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
trans-1,2-Dichloroethene	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
trans-1,3-Dichloropropene	ND		2.5		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Tert-amyl-methyl ether (TAME)	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
tert-Butyl alcohol (TBA)	ND		25		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
tert-Butylbenzene	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Tetrachloroethene	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Toluene	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Trichloroethene	ND		2.5		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Trichlorofluoromethane	ND		13		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Vinyl acetate	ND		13		ug/Kg		07/12/19 13:43	07/16/19 14:52	1
Vinyl chloride	ND		1.3		ug/Kg		07/12/19 13:43	07/16/19 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*133*		*71 - 155*	*07/12/19 13:43*	*07/16/19 14:52*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*	*07/12/19 13:43*	*07/16/19 14:52*	*1*
Dibromofluoromethane	*110*		*79 - 133*	*07/12/19 13:43*	*07/16/19 14:52*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/12/19 13:43*	*07/16/19 14:52*	*1*

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

Client Sample ID: HA23-0.5
Date Collected: 07/09/19 14:22
Date Received: 07/10/19 13:00
Lab Sample ID: 570-1375-33
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
1,1,1-Trichloroethane	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
1,1,2,2-Tetrachloroethane	ND		1.7		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.6		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
1,1,2-Trichloroethane	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
1,1-Dichloroethane	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
1,1-Dichloroethene	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
1,1-Dichloropropene	ND		1.7		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
1,2,3-Trichlorobenzene	ND		1.7		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
1,2,3-Trichloropropane	ND		1.7		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
1,2,4-Trichlorobenzene	ND		1.7		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
1,2,4-Trimethylbenzene	ND		1.7		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
1,2-Dibromo-3-Chloropropane	ND		8.6		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
1,2-Dibromoethane	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
1,2-Dichlorobenzene	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
1,2-Dichloroethane	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
1,2-Dichloropropane	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
1,3,5-Trimethylbenzene	ND		1.7		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
1,3-Dichlorobenzene	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
1,3-Dichloropropane	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
1,4-Dichlorobenzene	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
2,2-Dichloropropane	ND		4.3		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
2-Butanone	ND		17		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
1,4-Dioxane	ND		86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
2-Chlorotoluene	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
2-Hexanone	ND		17		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
4-Chlorotoluene	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
4-Methyl-2-pentanone	ND		17		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Acetone	**110**		43		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Benzene	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Bromobenzene	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Bromochloromethane	ND		1.7		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Bromodichloromethane	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Bromoform	ND		4.3		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Bromomethane	ND		17		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
cis-1,2-Dichloroethene	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
cis-1,3-Dichloropropene	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Carbon disulfide	ND		8.6		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Carbon tetrachloride	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Chlorobenzene	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Chloroethane	ND		1.7		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Chloroform	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Chloromethane	ND		17		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Dibromochloromethane	ND		1.7		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Dibromomethane	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Dichlorodifluoromethane	ND		1.7		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Di-isopropyl ether (DIPE)	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Ethanol	ND		430		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Ethylbenzene	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1

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

Client Sample ID: HA23-0.5
Lab Sample ID: 570-1375-33
Date Collected: 07/09/19 14:22
Matrix: Solid
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Isopropylbenzene	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Methylene Chloride	ND		8.6		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Methyl-t-Butyl Ether (MTBE)	ND		1.7		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Naphthalene	ND		8.6		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
n-Butylbenzene	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
N-Propylbenzene	ND		1.7		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
o-Xylene	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
m,p-Xylene	ND		1.7		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
p-Isopropyltoluene	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
sec-Butylbenzene	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Styrene	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
trans-1,2-Dichloroethene	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
trans-1,3-Dichloropropene	ND		1.7		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Tert-amyl-methyl ether (TAME)	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
tert-Butyl alcohol (TBA)	ND		17		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
tert-Butylbenzene	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Tetrachloroethene	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Toluene	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Trichloroethene	ND		1.7		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Trichlorofluoromethane	ND		8.6		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Vinyl acetate	ND		8.6		ug/Kg		07/12/19 13:43	07/15/19 16:46	1
Vinyl chloride	ND		0.86		ug/Kg		07/12/19 13:43	07/15/19 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*71 - 155*	*07/12/19 13:43*	*07/15/19 16:46*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*	*07/12/19 13:43*	*07/15/19 16:46*	*1*
Dibromofluoromethane	*113*		*79 - 133*	*07/12/19 13:43*	*07/15/19 16:46*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*07/12/19 13:43*	*07/15/19 16:46*	*1*

Client Sample ID: HA27-0.5
Lab Sample ID: 570-1375-36
Date Collected: 07/09/19 11:12
Matrix: Solid
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
1,1,1-Trichloroethane	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
1,1,2,2-Tetrachloroethane	ND		1.8		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.9		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
1,1,2-Trichloroethane	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
1,1-Dichloroethane	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
1,1-Dichloroethene	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
1,1-Dichloropropene	ND		1.8		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
1,2,3-Trichlorobenzene	ND		1.8		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
1,2,3-Trichloropropane	ND		1.8		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
1,2,4-Trichlorobenzene	ND		1.8		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
1,2,4-Trimethylbenzene	ND		1.8		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
1,2-Dibromo-3-Chloropropane	ND		8.9		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
1,2-Dibromoethane	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
1,2-Dichlorobenzene	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
1,2-Dichloroethane	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1

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

Client Sample ID: HA27-0.5 **Lab Sample ID: 570-1375-36**
Date Collected: 07/09/19 11:12 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
1,3,5-Trimethylbenzene	ND		1.8		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
1,3-Dichlorobenzene	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
1,3-Dichloropropane	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
1,4-Dichlorobenzene	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
2,2-Dichloropropane	ND		4.4		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
2-Butanone	ND		18		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
1,4-Dioxane	ND		89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
2-Chlorotoluene	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
2-Hexanone	ND		18		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
4-Chlorotoluene	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
4-Methyl-2-pentanone	ND		18		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Acetone	ND		44		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Benzene	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Bromobenzene	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Bromochloromethane	ND		1.8		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Bromodichloromethane	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Bromoform	ND		4.4		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Bromomethane	ND		18		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
cis-1,2-Dichloroethene	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
cis-1,3-Dichloropropene	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Carbon disulfide	ND		8.9		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Carbon tetrachloride	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Chlorobenzene	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Chloroethane	ND		1.8		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Chloroform	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Chloromethane	ND		18		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Dibromochloromethane	ND		1.8		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Dibromomethane	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Dichlorodifluoromethane	ND		1.8		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Di-isopropyl ether (DIPE)	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Ethanol	ND		440		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Ethylbenzene	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Ethyl-t-butyl ether (ETBE)	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Isopropylbenzene	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Methylene Chloride	ND		8.9		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Methyl-t-Butyl Ether (MTBE)	ND		1.8		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Naphthalene	ND		8.9		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
n-Butylbenzene	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
N-Propylbenzene	ND		1.8		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
o-Xylene	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
m,p-Xylene	ND		1.8		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
p-Isopropyltoluene	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
sec-Butylbenzene	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Styrene	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
trans-1,2-Dichloroethene	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
trans-1,3-Dichloropropene	ND		1.8		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Tert-amyl-methyl ether (TAME)	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
tert-Butyl alcohol (TBA)	ND		18		ug/Kg		07/12/19 13:43	07/15/19 17:12	1

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

Client Sample ID: HA27-0.5
Date Collected: 07/09/19 11:12
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-36
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Tetrachloroethene	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Toluene	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Trichloroethene	ND		1.8		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Trichlorofluoromethane	ND		8.9		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Vinyl acetate	ND		8.9		ug/Kg		07/12/19 13:43	07/15/19 17:12	1
Vinyl chloride	ND		0.89		ug/Kg		07/12/19 13:43	07/15/19 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*125*		*71 - 155*	*07/12/19 13:43*	*07/15/19 17:12*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*	*07/12/19 13:43*	*07/15/19 17:12*	*1*
Dibromofluoromethane	*114*		*79 - 133*	*07/12/19 13:43*	*07/15/19 17:12*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*07/12/19 13:43*	*07/15/19 17:12*	*1*

Client Sample ID: EB2
Date Collected: 07/09/19 15:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-45
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			07/17/19 00:20	1
1,1,1-Trichloroethane	ND		1.0		ug/L			07/17/19 00:20	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			07/17/19 00:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			07/17/19 00:20	1
1,1,2-Trichloroethane	ND		1.0		ug/L			07/17/19 00:20	1
1,1-Dichloroethane	ND		1.0		ug/L			07/17/19 00:20	1
1,1-Dichloroethene	ND		1.0		ug/L			07/17/19 00:20	1
1,1-Dichloropropene	ND		1.0		ug/L			07/17/19 00:20	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			07/17/19 00:20	1
1,2,3-Trichloropropane	ND		5.0		ug/L			07/17/19 00:20	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/17/19 00:20	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			07/17/19 00:20	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			07/17/19 00:20	1
1,2-Dibromoethane	ND		1.0		ug/L			07/17/19 00:20	1
1,2-Dichlorobenzene	ND		1.0		ug/L			07/17/19 00:20	1
1,2-Dichloroethane	ND		0.50		ug/L			07/17/19 00:20	1
1,2-Dichloropropane	ND		1.0		ug/L			07/17/19 00:20	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			07/17/19 00:20	1
1,3-Dichlorobenzene	ND		1.0		ug/L			07/17/19 00:20	1
1,3-Dichloropropane	ND		1.0		ug/L			07/17/19 00:20	1
1,4-Dichlorobenzene	ND		1.0		ug/L			07/17/19 00:20	1
2,2-Dichloropropane	ND		1.0		ug/L			07/17/19 00:20	1
2-Butanone	ND		20		ug/L			07/17/19 00:20	1
1,4-Dioxane	ND		100		ug/L			07/17/19 00:20	1
2-Chlorotoluene	ND		1.0		ug/L			07/17/19 00:20	1
2-Hexanone	ND		10		ug/L			07/17/19 00:20	1
4-Chlorotoluene	ND		1.0		ug/L			07/17/19 00:20	1
4-Methyl-2-pentanone	ND		10		ug/L			07/17/19 00:20	1
Acetone	ND		20		ug/L			07/17/19 00:20	1
Benzene	ND		1.0		ug/L			07/17/19 00:20	1
Bromobenzene	ND		1.0		ug/L			07/17/19 00:20	1
Bromochloromethane	ND		2.0		ug/L			07/17/19 00:20	1

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

Client Sample ID: EB2
Date Collected: 07/09/19 15:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-45
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0		ug/L			07/17/19 00:20	1
Bromoform	ND		5.0		ug/L			07/17/19 00:20	1
Bromomethane	ND		50		ug/L			07/17/19 00:20	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			07/17/19 00:20	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			07/17/19 00:20	1
Carbon disulfide	ND		10		ug/L			07/17/19 00:20	1
Carbon tetrachloride	ND		0.50		ug/L			07/17/19 00:20	1
Chlorobenzene	ND		1.0		ug/L			07/17/19 00:20	1
Chloroethane	ND		5.0		ug/L			07/17/19 00:20	1
Chloroform	ND		1.0		ug/L			07/17/19 00:20	1
Chloromethane	ND		10		ug/L			07/17/19 00:20	1
Dibromochloromethane	ND		2.0		ug/L			07/17/19 00:20	1
Dibromomethane	ND		1.0		ug/L			07/17/19 00:20	1
Dichlorodifluoromethane	ND		5.0		ug/L			07/17/19 00:20	1
Di-isopropyl ether (DIPE)	ND		2.0		ug/L			07/17/19 00:20	1
Ethanol	ND		100		ug/L			07/17/19 00:20	1
Ethylbenzene	ND		1.0		ug/L			07/17/19 00:20	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			07/17/19 00:20	1
Isopropylbenzene	ND		1.0		ug/L			07/17/19 00:20	1
Methylene Chloride	ND		10		ug/L			07/17/19 00:20	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			07/17/19 00:20	1
Naphthalene	ND		10		ug/L			07/17/19 00:20	1
n-Butylbenzene	ND		1.0		ug/L			07/17/19 00:20	1
N-Propylbenzene	ND		1.0		ug/L			07/17/19 00:20	1
o-Xylene	ND		1.0		ug/L			07/17/19 00:20	1
m,p-Xylene	ND		2.0		ug/L			07/17/19 00:20	1
p-Isopropyltoluene	ND		1.0		ug/L			07/17/19 00:20	1
sec-Butylbenzene	ND		1.0		ug/L			07/17/19 00:20	1
Styrene	ND		1.0		ug/L			07/17/19 00:20	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			07/17/19 00:20	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			07/17/19 00:20	1
Tert-amyl-methyl ether (TAME)	ND		2.0		ug/L			07/17/19 00:20	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			07/17/19 00:20	1
tert-Butylbenzene	ND		1.0		ug/L			07/17/19 00:20	1
Tetrachloroethene	ND		1.0		ug/L			07/17/19 00:20	1
Toluene	ND		1.0		ug/L			07/17/19 00:20	1
Trichloroethene	ND		1.0		ug/L			07/17/19 00:20	1
Trichlorofluoromethane	ND		10		ug/L			07/17/19 00:20	1
Vinyl acetate	ND		10		ug/L			07/17/19 00:20	1
Vinyl chloride	ND		0.50		ug/L			07/17/19 00:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 129*		*07/17/19 00:20*	*1*
4-Bromofluorobenzene (Surr)	*92*		*77 - 120*		*07/17/19 00:20*	*1*
Dibromofluoromethane	*101*		*80 - 128*		*07/17/19 00:20*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/17/19 00:20*	*1*

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: HA1-0.5
Date Collected: 07/09/19 08:17
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
1,2-Dichlorobenzene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
1,3-Dichlorobenzene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
1,4-Dichlorobenzene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
1-Methylnaphthalene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
2,4,5-Trichlorophenol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
2,4,6-Trichlorophenol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
2,4-Dichlorophenol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
2,4-Dimethylphenol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
2,4-Dinitrotoluene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
2,6-Dichlorophenol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
2,6-Dinitrotoluene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
2-Chloronaphthalene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
2-Chlorophenol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
2-Methylnaphthalene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
2-Methylphenol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
2-Nitroaniline	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
2-Nitrophenol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
3 & 4 Methylphenol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
3-Nitroaniline	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
4-Bromophenyl phenyl ether	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
4-Chloro-3-methylphenol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
4-Chloroaniline	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
4-Chlorophenyl phenyl ether	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
4-Nitroaniline	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
4-Nitrophenol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Acenaphthene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Acenaphthylene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Aniline	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Anthracene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Azobenzene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Benzidine	ND		4.9		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Benzo[a]anthracene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Benzo[a]pyrene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Benzo[b]fluoranthene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Benzo[g,h,i]perylene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Benzo[k]fluoranthene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Benzoic acid	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Benzyl alcohol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Bis(2-chloroethoxy)methane	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Bis(2-ethylhexyl) phthalate	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Butyl benzyl phthalate	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Chrysene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Dibenz(a,h)anthracene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Dibenzofuran	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA1-0.5
Date Collected: 07/09/19 08:17
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Dimethyl phthalate	**0.79**		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Di-n-butyl phthalate	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Di-n-octyl phthalate	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Fluoranthene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Fluorene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Hexachloro-1,3-butadiene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Hexachlorobenzene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Hexachloroethane	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Indeno[1,2,3-cd]pyrene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Isophorone	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Naphthalene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Nitrobenzene	ND		2.0		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
N-Nitrosodimethylamine	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
N-Nitrosodi-n-propylamine	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
N-Nitrosodiphenylamine	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Pentachlorophenol	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Phenanthrene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Phenol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Pyrene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
Pyridine	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1
bis (2-Chloroisopropyl) ether	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*95*		*18 - 138*	*07/13/19 15:17*	*07/17/19 18:57*	*1*
2-Fluorobiphenyl (Surr)	*84*		*27 - 120*	*07/13/19 15:17*	*07/17/19 18:57*	*1*
2-Fluorophenol (Surr)	*84*		*25 - 120*	*07/13/19 15:17*	*07/17/19 18:57*	*1*
Nitrobenzene-d5 (Surr)	*76*		*33 - 123*	*07/13/19 15:17*	*07/17/19 18:57*	*1*
p-Terphenyl-d14 (Surr)	*99*		*27 - 159*	*07/13/19 15:17*	*07/17/19 18:57*	*1*
Phenol-d6 (Surr)	*88*		*26 - 122*	*07/13/19 15:17*	*07/17/19 18:57*	*1*

Client Sample ID: HA6-0.5
Date Collected: 07/09/19 09:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 14:57	1
1,2-Dichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 14:57	1
1,3-Dichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 14:57	1
1,4-Dichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 14:57	1
1-Methylnaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 14:57	1
2,4,5-Trichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 14:57	1
2,4,6-Trichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 14:57	1
2,4-Dichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 14:57	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 14:57	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/13/19 15:17	07/17/19 14:57	1
2,4-Dinitrotoluene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 14:57	1
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 14:57	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 14:57	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 14:57	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA6-0.5
Date Collected: 07/09/19 09:02
Date Received: 07/10/19 13:00
Lab Sample ID: 570-1375-4
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
2-Methylnaphthalene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
2-Methylphenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
2-Nitroaniline	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
2-Nitrophenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
3,3'-Dichlorobenzidine	ND		2.5	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
3 & 4 Methylphenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
3-Nitroaniline	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
4,6-Dinitro-2-methylphenol	ND		2.5	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
4-Bromophenyl phenyl ether	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
4-Chloro-3-methylphenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
4-Chloroaniline	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
4-Chlorophenyl phenyl ether	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
4-Nitroaniline	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
4-Nitrophenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Acenaphthene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Acenaphthylene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Aniline	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Anthracene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Azobenzene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Benzidine	ND		5.0	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Benzo[a]anthracene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Benzo[a]pyrene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Benzo[b]fluoranthene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Benzo[g,h,i]perylene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Benzo[k]fluoranthene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Benzoic acid	ND		2.5	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Benzyl alcohol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Bis(2-chloroethoxy)methane	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Bis(2-chloroethyl)ether	ND		2.5	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Bis(2-ethylhexyl) phthalate	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Butyl benzyl phthalate	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Chrysene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Dibenz(a,h)anthracene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Dibenzofuran	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Diethyl phthalate	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Dimethyl phthalate	**0.88**		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Di-n-butyl phthalate	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Di-n-octyl phthalate	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Fluoranthene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Fluorene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Hexachloro-1,3-butadiene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Hexachlorobenzene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Hexachlorocyclopentadiene	ND		1.5	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Hexachloroethane	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Indeno[1,2,3-cd]pyrene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Isophorone	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Naphthalene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Nitrobenzene	ND		2.0	mg/Kg		07/13/19 15:17	07/17/19 14:57	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA6-0.5 **Lab Sample ID: 570-1375-4**
Date Collected: 07/09/19 09:02 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 14:57	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 14:57	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Pentachlorophenol	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Phenanthrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Phenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 14:57	1
Pyridine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 14:57	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*18 - 138*	*07/13/19 15:17*	*07/17/19 14:57*	*1*
2-Fluorobiphenyl (Surr)	*90*		*27 - 120*	*07/13/19 15:17*	*07/17/19 14:57*	*1*
2-Fluorophenol (Surr)	*90*		*25 - 120*	*07/13/19 15:17*	*07/17/19 14:57*	*1*
Nitrobenzene-d5 (Surr)	*82*		*33 - 123*	*07/13/19 15:17*	*07/17/19 14:57*	*1*
p-Terphenyl-d14 (Surr)	*101*		*27 - 159*	*07/13/19 15:17*	*07/17/19 14:57*	*1*
Phenol-d6 (Surr)	*92*		*26 - 122*	*07/13/19 15:17*	*07/17/19 14:57*	*1*

Client Sample ID: HA6-0.5 DUP **Lab Sample ID: 570-1375-5**
Date Collected: 07/09/19 09:02 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
1,2-Dichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
1,3-Dichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
1,4-Dichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
1-Methylnaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
2,4,5-Trichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
2,4,6-Trichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
2,4-Dichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
2,4-Dinitrotoluene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
2-Chlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
2-Methylnaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
2-Methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
2-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
2-Nitrophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
3 & 4 Methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
3-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
4-Bromophenyl phenyl ether	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
4-Chloro-3-methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
4-Chloroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
4-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA6-0.5 DUP **Lab Sample ID: 570-1375-5**
Date Collected: 07/09/19 09:02 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Acenaphthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Acenaphthylene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Aniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Azobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Benzidine	ND		5.0		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Benzoic acid	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Benzyl alcohol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Chrysene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Dibenzofuran	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Diethyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Dimethyl phthalate	**0.82**		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Fluorene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Hexachlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Hexachloroethane	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Isophorone	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Naphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Nitrobenzene	ND		2.0		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Pentachlorophenol	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Phenanthrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Phenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
Pyridine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*18 - 138*	*07/13/19 15:17*	*07/17/19 15:15*	*1*
2-Fluorobiphenyl (Surr)	*79*		*27 - 120*	*07/13/19 15:17*	*07/17/19 15:15*	*1*
2-Fluorophenol (Surr)	*77*		*25 - 120*	*07/13/19 15:17*	*07/17/19 15:15*	*1*
Nitrobenzene-d5 (Surr)	*71*		*33 - 123*	*07/13/19 15:17*	*07/17/19 15:15*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA6-0.5 DUP
Date Collected: 07/09/19 09:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-5
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14 (Surr)	94		27 - 159	07/13/19 15:17	07/17/19 15:15	1
Phenol-d6 (Surr)	82		26 - 122	07/13/19 15:17	07/17/19 15:15	1

Client Sample ID: HA15-0.5
Date Collected: 07/09/19 10:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-8
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
1,2-Dichlorobenzene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
1,3-Dichlorobenzene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
1,4-Dichlorobenzene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
1-Methylnaphthalene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
2,4,5-Trichlorophenol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
2,4,6-Trichlorophenol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
2,4-Dichlorophenol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
2,4-Dimethylphenol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
2,4-Dinitrotoluene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
2,6-Dichlorophenol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
2,6-Dinitrotoluene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
2-Chloronaphthalene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
2-Chlorophenol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
2-Methylnaphthalene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
2-Methylphenol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
2-Nitroaniline	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
2-Nitrophenol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
3 & 4 Methylphenol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
3-Nitroaniline	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
4-Bromophenyl phenyl ether	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
4-Chloro-3-methylphenol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
4-Chloroaniline	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
4-Chlorophenyl phenyl ether	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
4-Nitroaniline	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
4-Nitrophenol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Acenaphthene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Acenaphthylene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Aniline	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Anthracene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Azobenzene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Benzidine	ND		4.9		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Benzo[a]anthracene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Benzo[a]pyrene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Benzo[b]fluoranthene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Benzo[g,h,i]perylene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Benzo[k]fluoranthene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Benzoic acid	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Benzyl alcohol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA15-0.5 **Lab Sample ID: 570-1375-8**
Date Collected: 07/09/19 10:02 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Bis(2-ethylhexyl) phthalate	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Butyl benzyl phthalate	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Chrysene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Dibenz(a,h)anthracene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Dibenzofuran	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Diethyl phthalate	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Dimethyl phthalate	**0.70**		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Di-n-butyl phthalate	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Di-n-octyl phthalate	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Fluoranthene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Fluorene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Hexachloro-1,3-butadiene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Hexachlorobenzene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Hexachloroethane	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Indeno[1,2,3-cd]pyrene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Isophorone	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Naphthalene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Nitrobenzene	ND		2.0		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
N-Nitrosodimethylamine	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
N-Nitrosodi-n-propylamine	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
N-Nitrosodiphenylamine	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Pentachlorophenol	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Phenanthrene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Phenol	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Pyrene	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
Pyridine	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1
bis (2-Chloroisopropyl) ether	ND		0.49		mg/Kg		07/13/19 15:17	07/17/19 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*18 - 138*	*07/13/19 15:17*	*07/17/19 15:34*	*1*
2-Fluorobiphenyl (Surr)	*71*		*27 - 120*	*07/13/19 15:17*	*07/17/19 15:34*	*1*
2-Fluorophenol (Surr)	*63*		*25 - 120*	*07/13/19 15:17*	*07/17/19 15:34*	*1*
Nitrobenzene-d5 (Surr)	*62*		*33 - 123*	*07/13/19 15:17*	*07/17/19 15:34*	*1*
p-Terphenyl-d14 (Surr)	*97*		*27 - 159*	*07/13/19 15:17*	*07/17/19 15:34*	*1*
Phenol-d6 (Surr)	*72*		*26 - 122*	*07/13/19 15:17*	*07/17/19 15:34*	*1*

Client Sample ID: HA16-0.5 **Lab Sample ID: 570-1375-11**
Date Collected: 07/09/19 12:17 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
1,2-Dichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
1,3-Dichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
1,4-Dichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
1-Methylnaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
2,4,5-Trichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
2,4,6-Trichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA16-0.5 **Lab Sample ID: 570-1375-11**
Date Collected: 07/09/19 12:17 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
2,4-Dinitrotoluene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
2-Chlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
2-Methylnaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
2-Methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
2-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
2-Nitrophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
3 & 4 Methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
3-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
4-Bromophenyl phenyl ether	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
4-Chloro-3-methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
4-Chloroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
4-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
4-Nitrophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Acenaphthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Acenaphthylene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Aniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Azobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Benzidine	ND		5.0		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Benzoic acid	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Benzyl alcohol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Bis(2-ethylhexyl) phthalate	**0.68**		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Chrysene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Dibenzofuran	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Diethyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Dimethyl phthalate	**0.57**		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Fluorene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 15:52	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA16-0.5
Lab Sample ID: 570-1375-11
Date Collected: 07/09/19 12:17
Matrix: Solid
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Hexachlorocyclopentadiene	ND		1.5	mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Hexachloroethane	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Indeno[1,2,3-cd]pyrene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Isophorone	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Naphthalene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Nitrobenzene	ND		2.0	mg/Kg		07/13/19 15:17	07/17/19 15:52	1
N-Nitrosodimethylamine	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 15:52	1
N-Nitrosodi-n-propylamine	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 15:52	1
N-Nitrosodiphenylamine	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Pentachlorophenol	ND		2.5	mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Phenanthrene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Phenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Pyrene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 15:52	1
Pyridine	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 15:52	1
bis (2-Chloroisopropyl) ether	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*18 - 138*	*07/13/19 15:17*	*07/17/19 15:52*	*1*
2-Fluorobiphenyl (Surr)	*69*		*27 - 120*	*07/13/19 15:17*	*07/17/19 15:52*	*1*
2-Fluorophenol (Surr)	*59*		*25 - 120*	*07/13/19 15:17*	*07/17/19 15:52*	*1*
Nitrobenzene-d5 (Surr)	*60*		*33 - 123*	*07/13/19 15:17*	*07/17/19 15:52*	*1*
p-Terphenyl-d14 (Surr)	*79*		*27 - 159*	*07/13/19 15:17*	*07/17/19 15:52*	*1*
Phenol-d6 (Surr)	*69*		*26 - 122*	*07/13/19 15:17*	*07/17/19 15:52*	*1*

Client Sample ID: HA17-0.5
Lab Sample ID: 570-1375-14
Date Collected: 07/09/19 10:37
Matrix: Solid
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 16:11	1
1,2-Dichlorobenzene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 16:11	1
1,3-Dichlorobenzene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 16:11	1
1,4-Dichlorobenzene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 16:11	1
1-Methylnaphthalene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 16:11	1
2,4,5-Trichlorophenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 16:11	1
2,4,6-Trichlorophenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 16:11	1
2,4-Dichlorophenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 16:11	1
2,4-Dimethylphenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 16:11	1
2,4-Dinitrophenol	ND		2.0	mg/Kg		07/13/19 15:17	07/17/19 16:11	1
2,4-Dinitrotoluene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 16:11	1
2,6-Dichlorophenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 16:11	1
2,6-Dinitrotoluene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 16:11	1
2-Chloronaphthalene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 16:11	1
2-Chlorophenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 16:11	1
2-Methylnaphthalene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 16:11	1
2-Methylphenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 16:11	1
2-Nitroaniline	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 16:11	1
2-Nitrophenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 16:11	1
3,3'-Dichlorobenzidine	ND		2.5	mg/Kg		07/13/19 15:17	07/17/19 16:11	1
3 & 4 Methylphenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 16:11	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA17-0.5 **Lab Sample ID: 570-1375-14**
Date Collected: 07/09/19 10:37 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
4-Bromophenyl phenyl ether	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
4-Chloro-3-methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
4-Chloroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
4-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
4-Nitrophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Acenaphthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Acenaphthylene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Aniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Azobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Benzidine	ND		5.0		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Benzoic acid	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Benzyl alcohol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Chrysene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Dibenzofuran	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Diethyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Dimethyl phthalate	**0.50**		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Fluorene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Hexachlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Hexachloroethane	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Isophorone	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Naphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Nitrobenzene	ND		2.0		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Pentachlorophenol	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Phenanthrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Phenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
Pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA17-0.5
Date Collected: 07/09/19 10:37
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-14
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*50*		*18 - 138*	*07/13/19 15:17*	*07/17/19 16:11*	*1*
2-Fluorobiphenyl (Surr)	*59*		*27 - 120*	*07/13/19 15:17*	*07/17/19 16:11*	*1*
2-Fluorophenol (Surr)	*49*		*25 - 120*	*07/13/19 15:17*	*07/17/19 16:11*	*1*
Nitrobenzene-d5 (Surr)	*55*		*33 - 123*	*07/13/19 15:17*	*07/17/19 16:11*	*1*
p-Terphenyl-d14 (Surr)	*65*		*27 - 159*	*07/13/19 15:17*	*07/17/19 16:11*	*1*
Phenol-d6 (Surr)	*60*		*26 - 122*	*07/13/19 15:17*	*07/17/19 16:11*	*1*

Client Sample ID: HA18-0.5
Date Collected: 07/09/19 13:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-17
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
1,2-Dichlorobenzene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
1,3-Dichlorobenzene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
1,4-Dichlorobenzene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
1-Methylnaphthalene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
2,4,5-Trichlorophenol	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
2,4,6-Trichlorophenol	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
2,4-Dichlorophenol	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
2,4-Dimethylphenol	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
2,4-Dinitrophenol	ND		4.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
2,4-Dinitrotoluene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
2,6-Dichlorophenol	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
2,6-Dinitrotoluene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
2-Chloronaphthalene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
2-Chlorophenol	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
2-Methylnaphthalene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
2-Methylphenol	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
2-Nitroaniline	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
2-Nitrophenol	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
3,3'-Dichlorobenzidine	ND		5.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
3 & 4 Methylphenol	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
3-Nitroaniline	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
4,6-Dinitro-2-methylphenol	ND		5.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
4-Bromophenyl phenyl ether	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
4-Chloro-3-methylphenol	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
4-Chloroaniline	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
4-Chlorophenyl phenyl ether	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
4-Nitroaniline	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
4-Nitrophenol	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Acenaphthene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Acenaphthylene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Aniline	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Anthracene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Azobenzene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Benzidine	ND		10		mg/Kg		07/13/19 15:17	07/17/19 16:29	2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA18-0.5
Date Collected: 07/09/19 13:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-17
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Benzo[a]pyrene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Benzo[b]fluoranthene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Benzo[g,h,i]perylene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Benzo[k]fluoranthene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Benzoic acid	ND		5.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Benzyl alcohol	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Bis(2-chloroethoxy)methane	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Bis(2-chloroethyl)ether	ND		5.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Bis(2-ethylhexyl) phthalate	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Butyl benzyl phthalate	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Chrysene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Dibenz(a,h)anthracene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Dibenzofuran	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Diethyl phthalate	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Dimethyl phthalate	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Di-n-butyl phthalate	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Di-n-octyl phthalate	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Fluoranthene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Fluorene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Hexachloro-1,3-butadiene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Hexachlorobenzene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Hexachlorocyclopentadiene	ND		3.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Hexachloroethane	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Indeno[1,2,3-cd]pyrene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Isophorone	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Naphthalene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Nitrobenzene	ND		4.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
N-Nitrosodimethylamine	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
N-Nitrosodi-n-propylamine	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
N-Nitrosodiphenylamine	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Pentachlorophenol	ND		5.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Phenanthrene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Phenol	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Pyrene	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
Pyridine	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2
bis (2-Chloroisopropyl) ether	ND		1.0		mg/Kg		07/13/19 15:17	07/17/19 16:29	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*18 - 138*	*07/13/19 15:17*	*07/17/19 16:29*	*2*
2-Fluorobiphenyl (Surr)	*84*		*27 - 120*	*07/13/19 15:17*	*07/17/19 16:29*	*2*
2-Fluorophenol (Surr)	*84*		*25 - 120*	*07/13/19 15:17*	*07/17/19 16:29*	*2*
Nitrobenzene-d5 (Surr)	*73*		*33 - 123*	*07/13/19 15:17*	*07/17/19 16:29*	*2*
p-Terphenyl-d14 (Surr)	*102*		*27 - 159*	*07/13/19 15:17*	*07/17/19 16:29*	*2*
Phenol-d6 (Surr)	*89*		*26 - 122*	*07/13/19 15:17*	*07/17/19 16:29*	*2*

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: HA19-0.5 **Lab Sample ID: 570-1375-20**
Date Collected: 07/09/19 11:32 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
1,2-Dichlorobenzene	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
1,3-Dichlorobenzene	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
1,4-Dichlorobenzene	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
1-Methylnaphthalene	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
2,4,5-Trichlorophenol	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
2,4,6-Trichlorophenol	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
2,4-Dichlorophenol	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
2,4-Dimethylphenol	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
2,4-Dinitrophenol	ND		3.9	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
2,4-Dinitrotoluene	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
2,6-Dichlorophenol	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
2,6-Dinitrotoluene	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
2-Chloronaphthalene	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
2-Chlorophenol	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
2-Methylnaphthalene	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
2-Methylphenol	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
2-Nitroaniline	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
2-Nitrophenol	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
3,3'-Dichlorobenzidine	ND		4.9	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
3 & 4 Methylphenol	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
3-Nitroaniline	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
4,6-Dinitro-2-methylphenol	ND		4.9	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
4-Bromophenyl phenyl ether	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
4-Chloro-3-methylphenol	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
4-Chloroaniline	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
4-Chlorophenyl phenyl ether	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
4-Nitroaniline	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
4-Nitrophenol	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Acenaphthene	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Acenaphthylene	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Aniline	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Anthracene	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Azobenzene	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Benzidine	ND		9.8	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Benzo[a]anthracene	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Benzo[a]pyrene	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Benzo[b]fluoranthene	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Benzo[g,h,i]perylene	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Benzo[k]fluoranthene	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Benzoic acid	ND		4.9	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Benzyl alcohol	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Bis(2-chloroethoxy)methane	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Bis(2-chloroethyl)ether	ND		4.9	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Bis(2-ethylhexyl) phthalate	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Butyl benzyl phthalate	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Chrysene	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Dibenz(a,h)anthracene	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Dibenzofuran	ND		0.98	mg/Kg		07/13/19 15:17	07/17/19 16:48	2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA19-0.5
Date Collected: 07/09/19 11:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-20
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	ND		0.98		mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Dimethyl phthalate	ND		0.98		mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Di-n-butyl phthalate	ND		0.98		mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Di-n-octyl phthalate	ND		0.98		mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Fluoranthene	ND		0.98		mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Fluorene	ND		0.98		mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Hexachloro-1,3-butadiene	ND		0.98		mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Hexachlorobenzene	ND		0.98		mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Hexachlorocyclopentadiene	ND		2.9		mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Hexachloroethane	ND		0.98		mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Indeno[1,2,3-cd]pyrene	ND		0.98		mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Isophorone	ND		0.98		mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Naphthalene	ND		0.98		mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Nitrobenzene	ND		3.9		mg/Kg		07/13/19 15:17	07/17/19 16:48	2
N-Nitrosodimethylamine	ND		0.98		mg/Kg		07/13/19 15:17	07/17/19 16:48	2
N-Nitrosodi-n-propylamine	ND		0.98		mg/Kg		07/13/19 15:17	07/17/19 16:48	2
N-Nitrosodiphenylamine	ND		0.98		mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Pentachlorophenol	ND		4.9		mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Phenanthrene	ND		0.98		mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Phenol	ND		0.98		mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Pyrene	ND		0.98		mg/Kg		07/13/19 15:17	07/17/19 16:48	2
Pyridine	ND		0.98		mg/Kg		07/13/19 15:17	07/17/19 16:48	2
bis (2-Chloroisopropyl) ether	ND		0.98		mg/Kg		07/13/19 15:17	07/17/19 16:48	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*18 - 138*	*07/13/19 15:17*	*07/17/19 16:48*	*2*
2-Fluorobiphenyl (Surr)	*74*		*27 - 120*	*07/13/19 15:17*	*07/17/19 16:48*	*2*
2-Fluorophenol (Surr)	*65*		*25 - 120*	*07/13/19 15:17*	*07/17/19 16:48*	*2*
Nitrobenzene-d5 (Surr)	*60*		*33 - 123*	*07/13/19 15:17*	*07/17/19 16:48*	*2*
p-Terphenyl-d14 (Surr)	*90*		*27 - 159*	*07/13/19 15:17*	*07/17/19 16:48*	*2*
Phenol-d6 (Surr)	*71*		*26 - 122*	*07/13/19 15:17*	*07/17/19 16:48*	*2*

Client Sample ID: HA20-0.5
Date Collected: 07/09/19 09:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-23
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
1,2-Dichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
1,3-Dichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
1,4-Dichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
1-Methylnaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
2,4,5-Trichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
2,4,6-Trichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
2,4-Dichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
2,4-Dinitrotoluene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA20-0.5 **Lab Sample ID: 570-1375-23**
Date Collected: 07/09/19 09:32 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
2-Methylnaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
2-Methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
2-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
2-Nitrophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
3 & 4 Methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
3-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
4-Bromophenyl phenyl ether	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
4-Chloro-3-methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
4-Chloroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
4-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
4-Nitrophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Acenaphthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Acenaphthylene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Aniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Azobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Benzidine	ND		5.0		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Benzoic acid	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Benzyl alcohol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Chrysene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Dibenzofuran	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Diethyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Dimethyl phthalate	**0.71**		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Fluorene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Hexachlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Hexachloroethane	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Isophorone	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Naphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Nitrobenzene	ND		2.0		mg/Kg		07/13/19 15:17	07/17/19 17:06	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA20-0.5 **Lab Sample ID: 570-1375-23**
Date Collected: 07/09/19 09:32 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Pentachlorophenol	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Phenanthrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Phenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
Pyridine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*18 - 138*	*07/13/19 15:17*	*07/17/19 17:06*	*1*
2-Fluorobiphenyl (Surr)	*82*		*27 - 120*	*07/13/19 15:17*	*07/17/19 17:06*	*1*
2-Fluorophenol (Surr)	*84*		*25 - 120*	*07/13/19 15:17*	*07/17/19 17:06*	*1*
Nitrobenzene-d5 (Surr)	*72*		*33 - 123*	*07/13/19 15:17*	*07/17/19 17:06*	*1*
p-Terphenyl-d14 (Surr)	*101*		*27 - 159*	*07/13/19 15:17*	*07/17/19 17:06*	*1*
Phenol-d6 (Surr)	*87*		*26 - 122*	*07/13/19 15:17*	*07/17/19 17:06*	*1*

Client Sample ID: HA21-0.5 **Lab Sample ID: 570-1375-26**
Date Collected: 07/09/19 14:42 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
1,2-Dichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
1,3-Dichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
1,4-Dichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
1-Methylnaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
2,4,5-Trichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
2,4,6-Trichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
2,4-Dichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
2,4-Dinitrotoluene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
2-Chlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
2-Methylnaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
2-Methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
2-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
2-Nitrophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
3 & 4 Methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
3-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
4-Bromophenyl phenyl ether	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
4-Chloro-3-methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
4-Chloroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
4-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1

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Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA21-0.5
Date Collected: 07/09/19 14:42
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-26
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Acenaphthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Acenaphthylene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Aniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Azobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Benzidine	ND		5.0		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Benzoic acid	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Benzyl alcohol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Chrysene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Dibenzofuran	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Diethyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Dimethyl phthalate	**0.56**		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Fluorene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Hexachlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Hexachloroethane	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Isophorone	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Naphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Nitrobenzene	ND		2.0		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Pentachlorophenol	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Phenanthrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Phenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
Pyridine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*18 - 138*	*07/13/19 15:17*	*07/17/19 17:25*	*1*
2-Fluorobiphenyl (Surr)	*69*		*27 - 120*	*07/13/19 15:17*	*07/17/19 17:25*	*1*
2-Fluorophenol (Surr)	*58*		*25 - 120*	*07/13/19 15:17*	*07/17/19 17:25*	*1*
Nitrobenzene-d5 (Surr)	*62*		*33 - 123*	*07/13/19 15:17*	*07/17/19 17:25*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA21-0.5
Date Collected: 07/09/19 14:42
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-26
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14 (Surr)	93		27 - 159	07/13/19 15:17	07/17/19 17:25	1
Phenol-d6 (Surr)	70		26 - 122	07/13/19 15:17	07/17/19 17:25	1

Client Sample ID: HA22-0.5
Date Collected: 07/09/19 14:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-29
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
1,2-Dichlorobenzene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
1,3-Dichlorobenzene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
1,4-Dichlorobenzene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
1-Methylnaphthalene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
2,4,5-Trichlorophenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
2,4,6-Trichlorophenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
2,4-Dichlorophenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
2,4-Dimethylphenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
2,4-Dinitrophenol	ND		2.0	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
2,4-Dinitrotoluene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
2,6-Dichlorophenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
2,6-Dinitrotoluene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
2-Chloronaphthalene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
2-Chlorophenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
2-Methylnaphthalene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
2-Methylphenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
2-Nitroaniline	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
2-Nitrophenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
3,3'-Dichlorobenzidine	ND		2.5	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
3 & 4 Methylphenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
3-Nitroaniline	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
4,6-Dinitro-2-methylphenol	ND		2.5	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
4-Bromophenyl phenyl ether	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
4-Chloro-3-methylphenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
4-Chloroaniline	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
4-Chlorophenyl phenyl ether	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
4-Nitroaniline	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
4-Nitrophenol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Acenaphthene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Acenaphthylene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Aniline	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Anthracene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Azobenzene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Benzidine	ND		5.0	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Benzo[a]anthracene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Benzo[a]pyrene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Benzo[b]fluoranthene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Benzo[g,h,i]perylene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Benzo[k]fluoranthene	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Benzoic acid	ND		2.5	mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Benzyl alcohol	ND		0.50	mg/Kg		07/13/19 15:17	07/17/19 17:43	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA22-0.5 **Lab Sample ID: 570-1375-29**
Date Collected: 07/09/19 14:02 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Chrysene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Dibenzofuran	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Diethyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Dimethyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Fluorene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Hexachlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Hexachloroethane	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Isophorone	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Naphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Nitrobenzene	ND		2.0		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Pentachlorophenol	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Phenanthrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Phenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
Pyridine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*62*		*18 - 138*	*07/13/19 15:17*	*07/17/19 17:43*	*1*
2-Fluorobiphenyl (Surr)	*50*		*27 - 120*	*07/13/19 15:17*	*07/17/19 17:43*	*1*
2-Fluorophenol (Surr)	*46*		*25 - 120*	*07/13/19 15:17*	*07/17/19 17:43*	*1*
Nitrobenzene-d5 (Surr)	*45*		*33 - 123*	*07/13/19 15:17*	*07/17/19 17:43*	*1*
p-Terphenyl-d14 (Surr)	*69*		*27 - 159*	*07/13/19 15:17*	*07/17/19 17:43*	*1*
Phenol-d6 (Surr)	*49*		*26 - 122*	*07/13/19 15:17*	*07/17/19 17:43*	*1*

Client Sample ID: HA22-0.5 DUP **Lab Sample ID: 570-1375-30**
Date Collected: 07/09/19 14:02 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
1,2-Dichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
1,3-Dichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
1,4-Dichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
1-Methylnaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
2,4,5-Trichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
2,4,6-Trichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1

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Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA22-0.5 DUP **Lab Sample ID: 570-1375-30**
Date Collected: 07/09/19 14:02 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
2,4-Dinitrotoluene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
2-Chlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
2-Methylnaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
2-Methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
2-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
2-Nitrophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
3 & 4 Methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
3-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
4-Bromophenyl phenyl ether	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
4-Chloro-3-methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
4-Chloroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
4-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
4-Nitrophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Acenaphthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Acenaphthylene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Aniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Azobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Benzidine	ND		5.0		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Benzoic acid	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Benzyl alcohol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Chrysene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Dibenzofuran	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Diethyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Dimethyl phthalate	**0.54**		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Fluorene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA22-0.5 DUP
Date Collected: 07/09/19 14:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-30
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Hexachloroethane	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Isophorone	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Naphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Nitrobenzene	ND		2.0		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Pentachlorophenol	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Phenanthrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Phenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
Pyridine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*18 - 138*	*07/13/19 15:17*	*07/17/19 18:02*	*1*
2-Fluorobiphenyl (Surr)	*64*		*27 - 120*	*07/13/19 15:17*	*07/17/19 18:02*	*1*
2-Fluorophenol (Surr)	*58*		*25 - 120*	*07/13/19 15:17*	*07/17/19 18:02*	*1*
Nitrobenzene-d5 (Surr)	*58*		*33 - 123*	*07/13/19 15:17*	*07/17/19 18:02*	*1*
p-Terphenyl-d14 (Surr)	*80*		*27 - 159*	*07/13/19 15:17*	*07/17/19 18:02*	*1*
Phenol-d6 (Surr)	*64*		*26 - 122*	*07/13/19 15:17*	*07/17/19 18:02*	*1*

Client Sample ID: HA23-0.5
Date Collected: 07/09/19 14:22
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-33
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
1,2-Dichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
1,3-Dichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
1,4-Dichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
1-Methylnaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
2,4,5-Trichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
2,4,6-Trichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
2,4-Dichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
2,4-Dinitrotoluene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
2-Chlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
2-Methylnaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
2-Methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
2-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
2-Nitrophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
3 & 4 Methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA23-0.5
Date Collected: 07/09/19 14:22
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-33
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
4-Bromophenyl phenyl ether	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
4-Chloro-3-methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
4-Chloroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
4-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
4-Nitrophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Acenaphthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Acenaphthylene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Aniline	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Azobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Benzidine	ND		5.0		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Benzoic acid	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Benzyl alcohol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Bis(2-ethylhexyl) phthalate	**0.84**		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Chrysene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Dibenzofuran	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Diethyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Dimethyl phthalate	**0.52**		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Fluorene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Hexachlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Hexachloroethane	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Isophorone	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Naphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Nitrobenzene	ND		2.0		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Pentachlorophenol	ND		2.5		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Phenanthrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Phenol	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
Pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA23-0.5
Date Collected: 07/09/19 14:22
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-33
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/13/19 15:17	07/17/19 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*18 - 138*	*07/13/19 15:17*	*07/17/19 18:20*	*1*
2-Fluorobiphenyl (Surr)	*57*		*27 - 120*	*07/13/19 15:17*	*07/17/19 18:20*	*1*
2-Fluorophenol (Surr)	*46*		*25 - 120*	*07/13/19 15:17*	*07/17/19 18:20*	*1*
Nitrobenzene-d5 (Surr)	*49*		*33 - 123*	*07/13/19 15:17*	*07/17/19 18:20*	*1*
p-Terphenyl-d14 (Surr)	*77*		*27 - 159*	*07/13/19 15:17*	*07/17/19 18:20*	*1*
Phenol-d6 (Surr)	*56*		*26 - 122*	*07/13/19 15:17*	*07/17/19 18:20*	*1*

Client Sample ID: HA27-0.5
Date Collected: 07/09/19 11:12
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-36
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
1,2-Dichlorobenzene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
1,3-Dichlorobenzene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
1,4-Dichlorobenzene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
1-Methylnaphthalene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
2,4,5-Trichlorophenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
2,4,6-Trichlorophenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
2,4-Dichlorophenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
2,4-Dimethylphenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
2,4-Dinitrotoluene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
2,6-Dichlorophenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
2,6-Dinitrotoluene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
2-Chloronaphthalene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
2-Chlorophenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
2-Methylnaphthalene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
2-Methylphenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
2-Nitroaniline	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
2-Nitrophenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
3 & 4 Methylphenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
3-Nitroaniline	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
4-Bromophenyl phenyl ether	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
4-Chloro-3-methylphenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
4-Chloroaniline	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
4-Chlorophenyl phenyl ether	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
4-Nitroaniline	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
4-Nitrophenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Acenaphthene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Acenaphthylene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Aniline	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Anthracene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Azobenzene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Benzidine	ND		4.9		mg/Kg		07/20/19 09:40	07/23/19 15:26	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA27-0.5
Date Collected: 07/09/19 11:12
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-36
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Benzo[a]pyrene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Benzo[b]fluoranthene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Benzo[g,h,i]perylene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Benzo[k]fluoranthene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Benzoic acid	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Benzyl alcohol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Bis(2-chloroethoxy)methane	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Bis(2-ethylhexyl) phthalate	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Butyl benzyl phthalate	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Chrysene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Dibenz(a,h)anthracene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Dibenzofuran	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Diethyl phthalate	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Dimethyl phthalate	**0.63**		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Di-n-butyl phthalate	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Di-n-octyl phthalate	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Fluoranthene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Fluorene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Hexachloro-1,3-butadiene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Hexachlorobenzene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Hexachloroethane	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Indeno[1,2,3-cd]pyrene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Isophorone	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Naphthalene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Nitrobenzene	ND		2.0		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
N-Nitrosodimethylamine	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
N-Nitrosodi-n-propylamine	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
N-Nitrosodiphenylamine	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Pentachlorophenol	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Phenanthrene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Phenol	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Pyrene	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
Pyridine	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1
bis (2-Chloroisopropyl) ether	ND		0.49		mg/Kg		07/20/19 09:40	07/23/19 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*18 - 138*	*07/20/19 09:40*	*07/23/19 15:26*	*1*
2-Fluorobiphenyl (Surr)	*61*		*27 - 120*	*07/20/19 09:40*	*07/23/19 15:26*	*1*
2-Fluorophenol (Surr)	*64*		*25 - 120*	*07/20/19 09:40*	*07/23/19 15:26*	*1*
Nitrobenzene-d5 (Surr)	*58*		*33 - 123*	*07/20/19 09:40*	*07/23/19 15:26*	*1*
p-Terphenyl-d14 (Surr)	*90*		*27 - 159*	*07/20/19 09:40*	*07/23/19 15:26*	*1*
Phenol-d6 (Surr)	*67*		*26 - 122*	*07/20/19 09:40*	*07/23/19 15:26*	*1*

Client Sample Results

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: EB2 **Lab Sample ID: 570-1375-45**
Date Collected: 07/09/19 15:02 **Matrix: Water**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
1,2-Dichlorobenzene	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
1,3-Dichlorobenzene	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
1,4-Dichlorobenzene	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
1-Methylnaphthalene	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
2,4,5-Trichlorophenol	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
2,4,6-Trichlorophenol	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
2,4-Dichlorophenol	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
2,4-Dimethylphenol	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
2,4-Dinitrophenol	ND		48	ug/L		07/13/19 09:41	07/15/19 19:19	1
2,4-Dinitrotoluene	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
2,6-Dichlorophenol	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
2,6-Dinitrotoluene	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
2-Chloronaphthalene	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
2-Chlorophenol	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
2-Methylnaphthalene	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
2-Methylphenol	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
2-Nitroaniline	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
2-Nitrophenol	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
3,3'-Dichlorobenzidine	ND		24	ug/L		07/13/19 09:41	07/15/19 19:19	1
3 & 4 Methylphenol	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
3-Nitroaniline	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
4,6-Dinitro-2-methylphenol	ND		48	ug/L		07/13/19 09:41	07/15/19 19:19	1
4-Bromophenyl phenyl ether	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
4-Chloro-3-methylphenol	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
4-Chloroaniline	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
4-Chlorophenyl phenyl ether	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
4-Nitroaniline	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
4-Nitrophenol	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
Acenaphthene	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
Acenaphthylene	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
Aniline	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
Anthracene	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
Azobenzene	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
Benzidine	ND		48	ug/L		07/13/19 09:41	07/15/19 19:19	1
Benzo[a]anthracene	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
Benzo[a]pyrene	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
Benzo[b]fluoranthene	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
Benzo[g,h,i]perylene	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
Benzo[k]fluoranthene	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
Benzoic acid	ND		48	ug/L		07/13/19 09:41	07/15/19 19:19	1
Benzyl alcohol	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
Bis(2-chloroethoxy)methane	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
Bis(2-chloroethyl)ether	ND		24	ug/L		07/13/19 09:41	07/15/19 19:19	1
Bis(2-ethylhexyl) phthalate	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
Butyl benzyl phthalate	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
Chrysene	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
Dibenz(a,h)anthracene	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1
Dibenzofuran	ND		9.6	ug/L		07/13/19 09:41	07/15/19 19:19	1

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: EB2
Date Collected: 07/09/19 15:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-45
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	ND		9.6		ug/L		07/13/19 09:41	07/15/19 19:19	1
Dimethyl phthalate	ND		9.6		ug/L		07/13/19 09:41	07/15/19 19:19	1
Di-n-butyl phthalate	ND		9.6		ug/L		07/13/19 09:41	07/15/19 19:19	1
Di-n-octyl phthalate	ND		9.6		ug/L		07/13/19 09:41	07/15/19 19:19	1
Fluoranthene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 19:19	1
Fluorene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 19:19	1
Hexachloro-1,3-butadiene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 19:19	1
Hexachlorobenzene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 19:19	1
Hexachlorocyclopentadiene	ND		24		ug/L		07/13/19 09:41	07/15/19 19:19	1
Hexachloroethane	ND		9.6		ug/L		07/13/19 09:41	07/15/19 19:19	1
Indeno[1,2,3-cd]pyrene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 19:19	1
Isophorone	ND		9.6		ug/L		07/13/19 09:41	07/15/19 19:19	1
Naphthalene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 19:19	1
Nitrobenzene	ND		24		ug/L		07/13/19 09:41	07/15/19 19:19	1
N-Nitrosodimethylamine	ND		9.6		ug/L		07/13/19 09:41	07/15/19 19:19	1
N-Nitrosodi-n-propylamine	ND		9.6		ug/L		07/13/19 09:41	07/15/19 19:19	1
N-Nitrosodiphenylamine	ND		9.6		ug/L		07/13/19 09:41	07/15/19 19:19	1
Pentachlorophenol	ND		9.6		ug/L		07/13/19 09:41	07/15/19 19:19	1
Phenanthrene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 19:19	1
Phenol	ND		9.6		ug/L		07/13/19 09:41	07/15/19 19:19	1
Pyrene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 19:19	1
Pyridine	ND		9.6		ug/L		07/13/19 09:41	07/15/19 19:19	1
bis (2-Chloroisopropyl) ether	ND		9.6		ug/L		07/13/19 09:41	07/15/19 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*32 - 143*	*07/13/19 09:41*	*07/15/19 19:19*	*1*
2-Fluorobiphenyl (Surr)	*87*		*45 - 120*	*07/13/19 09:41*	*07/15/19 19:19*	*1*
2-Fluorophenol (Surr)	*55*		*15 - 138*	*07/13/19 09:41*	*07/15/19 19:19*	*1*
Nitrobenzene-d5 (Surr)	*84*		*56 - 123*	*07/13/19 09:41*	*07/15/19 19:19*	*1*
p-Terphenyl-d14 (Surr)	*100*		*46 - 133*	*07/13/19 09:41*	*07/15/19 19:19*	*1*
Phenol-d6 (Surr)	*33*		*17 - 141*	*07/13/19 09:41*	*07/15/19 19:19*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Client Sample ID: HA1-0.5
Date Collected: 07/09/19 08:17
Date Received: 07/10/19 13:00
Lab Sample ID: 570-1375-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/12/19 20:57	07/13/19 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*42 - 126*	*07/12/19 20:57*	*07/13/19 23:54*	*1*

Client Sample ID: HA6-0.5
Date Collected: 07/09/19 09:02
Date Received: 07/10/19 13:00
Lab Sample ID: 570-1375-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.098		mg/Kg		07/12/19 20:57	07/14/19 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*42 - 126*	*07/12/19 20:57*	*07/14/19 00:27*	*1*

Client Sample ID: HA6-0.5 DUP
Date Collected: 07/09/19 09:02
Date Received: 07/10/19 13:00
Lab Sample ID: 570-1375-5
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/12/19 20:57	07/14/19 01:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*42 - 126*	*07/12/19 20:57*	*07/14/19 01:00*	*1*

Client Sample ID: HA15-0.5
Date Collected: 07/09/19 10:02
Date Received: 07/10/19 13:00
Lab Sample ID: 570-1375-8
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.098		mg/Kg		07/12/19 20:57	07/14/19 01:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*42 - 126*	*07/12/19 20:57*	*07/14/19 01:33*	*1*

Client Sample ID: HA16-0.5
Date Collected: 07/09/19 12:17
Date Received: 07/10/19 13:00
Lab Sample ID: 570-1375-11
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/12/19 20:57	07/14/19 02:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*42 - 126*	*07/12/19 20:57*	*07/14/19 02:06*	*1*

Client Sample ID: HA17-0.5
Date Collected: 07/09/19 10:37
Date Received: 07/10/19 13:00
Lab Sample ID: 570-1375-14
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.099		mg/Kg		07/12/19 20:57	07/14/19 02:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*42 - 126*	*07/12/19 20:57*	*07/14/19 02:39*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Client Sample ID: HA18-0.5
Date Collected: 07/09/19 13:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-17
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/12/19 20:57	07/14/19 03:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*42 - 126*	*07/12/19 20:57*	*07/14/19 03:12*	*1*

Client Sample ID: HA19-0.5
Date Collected: 07/09/19 11:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-20
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/12/19 20:57	07/14/19 03:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*42 - 126*	*07/12/19 20:57*	*07/14/19 03:46*	*1*

Client Sample ID: HA20-0.5
Date Collected: 07/09/19 09:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-23
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/12/19 20:57	07/16/19 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*42 - 126*	*07/12/19 20:57*	*07/16/19 19:32*	*1*

Client Sample ID: HA21-0.5
Date Collected: 07/09/19 14:42
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-26
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/12/19 20:57	07/16/19 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*42 - 126*	*07/12/19 20:57*	*07/16/19 20:06*	*1*

Client Sample ID: HA22-0.5
Date Collected: 07/09/19 14:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-29
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/12/19 20:57	07/16/19 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*42 - 126*	*07/12/19 20:57*	*07/16/19 20:39*	*1*

Client Sample ID: HA22-0.5 DUP
Date Collected: 07/09/19 14:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-30
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/12/19 20:57	07/16/19 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*42 - 126*	*07/12/19 20:57*	*07/16/19 21:45*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Client Sample ID: HA23-0.5
Date Collected: 07/09/19 14:22
Date Received: 07/10/19 13:00
Lab Sample ID: 570-1375-33
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.099		mg/Kg		07/13/19 13:11	07/16/19 02:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*42 - 126*	*07/13/19 13:11*	*07/16/19 02:25*	*1*

Client Sample ID: HA27-0.5
Date Collected: 07/09/19 11:12
Date Received: 07/10/19 13:00
Lab Sample ID: 570-1375-36
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/12/19 20:57	07/16/19 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*42 - 126*	*07/12/19 20:57*	*07/16/19 21:11*	*1*

Client Sample ID: EB2
Date Collected: 07/09/19 15:02
Date Received: 07/10/19 13:00
Lab Sample ID: 570-1375-45
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		50		ug/L			07/18/19 05:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*38 - 134*		*07/18/19 05:00*	*1*

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: HA1-0.5
Date Collected: 07/09/19 08:17
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 14:22	1
C13-C14	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 14:22	1
C15-C16	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 14:22	1
C17-C18	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 14:22	1
C19-C20	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 14:22	1
C21-C22	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 14:22	1
C23-C24	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 14:22	1
C25-C28	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 14:22	1
C29-C32	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 14:22	1
C33-C36	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 14:22	1
C37-C40	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 14:22	1
C41-C44	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 14:22	1
C9-C10	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 14:22	1
C6 as C6	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 14:22	1
C7 as C7	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 14:22	1
C8 as C8	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*80*		*61 - 145*	*07/12/19 16:32*	*07/15/19 14:22*	*1*

Client Sample ID: HA6-0.5
Date Collected: 07/09/19 09:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		4.8		mg/Kg		07/12/19 16:32	07/16/19 02:35	1
C13-C14	ND		4.8		mg/Kg		07/12/19 16:32	07/16/19 02:35	1
C15-C16	ND		4.8		mg/Kg		07/12/19 16:32	07/16/19 02:35	1
C17-C18	ND		4.8		mg/Kg		07/12/19 16:32	07/16/19 02:35	1
C19-C20	ND		4.8		mg/Kg		07/12/19 16:32	07/16/19 02:35	1
C21-C22	ND		4.8		mg/Kg		07/12/19 16:32	07/16/19 02:35	1
C23-C24	ND		4.8		mg/Kg		07/12/19 16:32	07/16/19 02:35	1
C25-C28	ND		4.8		mg/Kg		07/12/19 16:32	07/16/19 02:35	1
C29-C32	ND		4.8		mg/Kg		07/12/19 16:32	07/16/19 02:35	1
C33-C36	ND		4.8		mg/Kg		07/12/19 16:32	07/16/19 02:35	1
C37-C40	ND		4.8		mg/Kg		07/12/19 16:32	07/16/19 02:35	1
C41-C44	ND		4.8		mg/Kg		07/12/19 16:32	07/16/19 02:35	1
C9-C10	ND		4.8		mg/Kg		07/12/19 16:32	07/16/19 02:35	1
C6 as C6	ND		4.8		mg/Kg		07/12/19 16:32	07/16/19 02:35	1
C7 as C7	ND		4.8		mg/Kg		07/12/19 16:32	07/16/19 02:35	1
C8 as C8	ND		4.8		mg/Kg		07/12/19 16:32	07/16/19 02:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*113*		*61 - 145*	*07/12/19 16:32*	*07/16/19 02:35*	*1*

Client Sample ID: HA6-0.5 DUP
Date Collected: 07/09/19 09:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-5
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:06	1
C13-C14	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:06	1

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Client Sample ID: HA6-0.5 DUP **Lab Sample ID: 570-1375-5**
Date Collected: 07/09/19 09:02 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C15-C16	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:06	1
C17-C18	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:06	1
C19-C20	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:06	1
C21-C22	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:06	1
C23-C24	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:06	1
C25-C28	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:06	1
C29-C32	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:06	1
C33-C36	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:06	1
C37-C40	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:06	1
C41-C44	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:06	1
C9-C10	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:06	1
C6 as C6	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:06	1
C7 as C7	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:06	1
C8 as C8	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*65*		*61 - 145*	*07/12/19 16:32*	*07/15/19 15:06*	*1*

Client Sample ID: HA15-0.5 **Lab Sample ID: 570-1375-8**
Date Collected: 07/09/19 10:02 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 15:27	1
C13-C14	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 15:27	1
C15-C16	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 15:27	1
C17-C18	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 15:27	1
C19-C20	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 15:27	1
C21-C22	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 15:27	1
C23-C24	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 15:27	1
C25-C28	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 15:27	1
C29-C32	**8.8**		5.0		mg/Kg		07/12/19 16:32	07/15/19 15:27	1
C33-C36	**9.6**		5.0		mg/Kg		07/12/19 16:32	07/15/19 15:27	1
C37-C40	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 15:27	1
C41-C44	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 15:27	1
C9-C10	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 15:27	1
C6 as C6	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 15:27	1
C7 as C7	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 15:27	1
C8 as C8	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*70*		*61 - 145*	*07/12/19 16:32*	*07/15/19 15:27*	*1*

Client Sample ID: HA16-0.5 **Lab Sample ID: 570-1375-11**
Date Collected: 07/09/19 12:17 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:49	1
C13-C14	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:49	1
C15-C16	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:49	1
C17-C18	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:49	1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Client Sample ID: HA16-0.5 **Lab Sample ID: 570-1375-11**
Date Collected: 07/09/19 12:17 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C19-C20	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:49	1
C21-C22	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:49	1
C23-C24	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:49	1
C25-C28	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:49	1
C29-C32	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:49	1
C33-C36	**5.5**		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:49	1
C37-C40	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:49	1
C41-C44	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:49	1
C9-C10	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:49	1
C6 as C6	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:49	1
C7 as C7	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:49	1
C8 as C8	ND		5.1		mg/Kg		07/12/19 16:32	07/15/19 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*68*		*61 - 145*	*07/12/19 16:32*	*07/15/19 15:49*	*1*

Client Sample ID: HA17-0.5 **Lab Sample ID: 570-1375-14**
Date Collected: 07/09/19 10:37 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		4.9		mg/Kg		07/12/19 19:29	07/15/19 19:06	1
C13-C14	ND		4.9		mg/Kg		07/12/19 19:29	07/15/19 19:06	1
C15-C16	ND		4.9		mg/Kg		07/12/19 19:29	07/15/19 19:06	1
C17-C18	ND		4.9		mg/Kg		07/12/19 19:29	07/15/19 19:06	1
C19-C20	ND		4.9		mg/Kg		07/12/19 19:29	07/15/19 19:06	1
C21-C22	ND		4.9		mg/Kg		07/12/19 19:29	07/15/19 19:06	1
C23-C24	ND		4.9		mg/Kg		07/12/19 19:29	07/15/19 19:06	1
C25-C28	ND		4.9		mg/Kg		07/12/19 19:29	07/15/19 19:06	1
C29-C32	ND		4.9		mg/Kg		07/12/19 19:29	07/15/19 19:06	1
C33-C36	ND		4.9		mg/Kg		07/12/19 19:29	07/15/19 19:06	1
C37-C40	ND		4.9		mg/Kg		07/12/19 19:29	07/15/19 19:06	1
C41-C44	ND		4.9		mg/Kg		07/12/19 19:29	07/15/19 19:06	1
C9-C10	ND		4.9		mg/Kg		07/12/19 19:29	07/15/19 19:06	1
C6 as C6	ND		4.9		mg/Kg		07/12/19 19:29	07/15/19 19:06	1
C7 as C7	ND		4.9		mg/Kg		07/12/19 19:29	07/15/19 19:06	1
C8 as C8	ND		4.9		mg/Kg		07/12/19 19:29	07/15/19 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*100*		*61 - 145*	*07/12/19 19:29*	*07/15/19 19:06*	*1*

Client Sample ID: HA18-0.5 **Lab Sample ID: 570-1375-17**
Date Collected: 07/09/19 13:32 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		24		mg/Kg		07/12/19 19:29	07/15/19 22:37	5
C13-C14	ND		24		mg/Kg		07/12/19 19:29	07/15/19 22:37	5
C15-C16	ND		24		mg/Kg		07/12/19 19:29	07/15/19 22:37	5
C17-C18	ND		24		mg/Kg		07/12/19 19:29	07/15/19 22:37	5
C19-C20	ND		24		mg/Kg		07/12/19 19:29	07/15/19 22:37	5
C21-C22	ND		24		mg/Kg		07/12/19 19:29	07/15/19 22:37	5

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Client Sample ID: HA18-0.5
Date Collected: 07/09/19 13:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-17
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C23-C24	ND		24		mg/Kg		07/12/19 19:29	07/15/19 22:37	5
C25-C28	**28**		24		mg/Kg		07/12/19 19:29	07/15/19 22:37	5
C29-C32	**56**		24		mg/Kg		07/12/19 19:29	07/15/19 22:37	5
C33-C36	**47**		24		mg/Kg		07/12/19 19:29	07/15/19 22:37	5
C37-C40	**36**		24		mg/Kg		07/12/19 19:29	07/15/19 22:37	5
C41-C44	ND		24		mg/Kg		07/12/19 19:29	07/15/19 22:37	5
C9-C10	ND		24		mg/Kg		07/12/19 19:29	07/15/19 22:37	5
C6 as C6	ND		24		mg/Kg		07/12/19 19:29	07/15/19 22:37	5
C7 as C7	ND		24		mg/Kg		07/12/19 19:29	07/15/19 22:37	5
C8 as C8	ND		24		mg/Kg		07/12/19 19:29	07/15/19 22:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*83*		*61 - 145*	*07/12/19 19:29*	*07/15/19 22:37*	*5*

Client Sample ID: HA19-0.5
Date Collected: 07/09/19 11:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-20
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		25		mg/Kg		07/12/19 19:29	07/15/19 22:58	5
C13-C14	ND		25		mg/Kg		07/12/19 19:29	07/15/19 22:58	5
C15-C16	ND		25		mg/Kg		07/12/19 19:29	07/15/19 22:58	5
C17-C18	ND		25		mg/Kg		07/12/19 19:29	07/15/19 22:58	5
C19-C20	ND		25		mg/Kg		07/12/19 19:29	07/15/19 22:58	5
C21-C22	ND		25		mg/Kg		07/12/19 19:29	07/15/19 22:58	5
C23-C24	ND		25		mg/Kg		07/12/19 19:29	07/15/19 22:58	5
C25-C28	**41**		25		mg/Kg		07/12/19 19:29	07/15/19 22:58	5
C29-C32	**92**		25		mg/Kg		07/12/19 19:29	07/15/19 22:58	5
C33-C36	**82**		25		mg/Kg		07/12/19 19:29	07/15/19 22:58	5
C37-C40	**65**		25		mg/Kg		07/12/19 19:29	07/15/19 22:58	5
C41-C44	**28**		25		mg/Kg		07/12/19 19:29	07/15/19 22:58	5
C9-C10	ND		25		mg/Kg		07/12/19 19:29	07/15/19 22:58	5
C6 as C6	ND		25		mg/Kg		07/12/19 19:29	07/15/19 22:58	5
C7 as C7	ND		25		mg/Kg		07/12/19 19:29	07/15/19 22:58	5
C8 as C8	ND		25		mg/Kg		07/12/19 19:29	07/15/19 22:58	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*96*		*61 - 145*	*07/12/19 19:29*	*07/15/19 22:58*	*5*

Client Sample ID: HA20-0.5
Date Collected: 07/09/19 09:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-23
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/12/19 19:29	07/15/19 23:19	1
C13-C14	ND		5.0		mg/Kg		07/12/19 19:29	07/15/19 23:19	1
C15-C16	ND		5.0		mg/Kg		07/12/19 19:29	07/15/19 23:19	1
C17-C18	ND		5.0		mg/Kg		07/12/19 19:29	07/15/19 23:19	1
C19-C20	ND		5.0		mg/Kg		07/12/19 19:29	07/15/19 23:19	1
C21-C22	ND		5.0		mg/Kg		07/12/19 19:29	07/15/19 23:19	1
C23-C24	ND		5.0		mg/Kg		07/12/19 19:29	07/15/19 23:19	1
C25-C28	ND		5.0		mg/Kg		07/12/19 19:29	07/15/19 23:19	1

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Client Sample ID: HA20-0.5
Date Collected: 07/09/19 09:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-23
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C29-C32	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 23:19	1
C33-C36	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 23:19	1
C37-C40	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 23:19	1
C41-C44	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 23:19	1
C9-C10	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 23:19	1
C6 as C6	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 23:19	1
C7 as C7	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 23:19	1
C8 as C8	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 23:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*106*		*61 - 145*	*07/12/19 19:29*	*07/15/19 23:19*	*1*

Client Sample ID: HA21-0.5
Date Collected: 07/09/19 14:42
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-26
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		4.9	mg/Kg		07/12/19 19:29	07/15/19 23:40	1
C13-C14	ND		4.9	mg/Kg		07/12/19 19:29	07/15/19 23:40	1
C15-C16	ND		4.9	mg/Kg		07/12/19 19:29	07/15/19 23:40	1
C17-C18	ND		4.9	mg/Kg		07/12/19 19:29	07/15/19 23:40	1
C19-C20	ND		4.9	mg/Kg		07/12/19 19:29	07/15/19 23:40	1
C21-C22	ND		4.9	mg/Kg		07/12/19 19:29	07/15/19 23:40	1
C23-C24	ND		4.9	mg/Kg		07/12/19 19:29	07/15/19 23:40	1
C25-C28	ND		4.9	mg/Kg		07/12/19 19:29	07/15/19 23:40	1
C29-C32	ND		4.9	mg/Kg		07/12/19 19:29	07/15/19 23:40	1
C33-C36	**6.5**		4.9	mg/Kg		07/12/19 19:29	07/15/19 23:40	1
C37-C40	ND		4.9	mg/Kg		07/12/19 19:29	07/15/19 23:40	1
C41-C44	ND		4.9	mg/Kg		07/12/19 19:29	07/15/19 23:40	1
C9-C10	ND		4.9	mg/Kg		07/12/19 19:29	07/15/19 23:40	1
C6 as C6	ND		4.9	mg/Kg		07/12/19 19:29	07/15/19 23:40	1
C7 as C7	ND		4.9	mg/Kg		07/12/19 19:29	07/15/19 23:40	1
C8 as C8	ND		4.9	mg/Kg		07/12/19 19:29	07/15/19 23:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*103*		*61 - 145*	*07/12/19 19:29*	*07/15/19 23:40*	*1*

Client Sample ID: HA22-0.5
Date Collected: 07/09/19 14:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-29
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		4.8	mg/Kg		07/12/19 19:29	07/16/19 00:02	1
C13-C14	ND		4.8	mg/Kg		07/12/19 19:29	07/16/19 00:02	1
C15-C16	ND		4.8	mg/Kg		07/12/19 19:29	07/16/19 00:02	1
C17-C18	ND		4.8	mg/Kg		07/12/19 19:29	07/16/19 00:02	1
C19-C20	ND		4.8	mg/Kg		07/12/19 19:29	07/16/19 00:02	1
C21-C22	ND		4.8	mg/Kg		07/12/19 19:29	07/16/19 00:02	1
C23-C24	**20**		4.8	mg/Kg		07/12/19 19:29	07/16/19 00:02	1
C25-C28	**9.4**		4.8	mg/Kg		07/12/19 19:29	07/16/19 00:02	1
C29-C32	ND		4.8	mg/Kg		07/12/19 19:29	07/16/19 00:02	1
C33-C36	**7.9**		4.8	mg/Kg		07/12/19 19:29	07/16/19 00:02	1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Client Sample ID: HA22-0.5
Lab Sample ID: 570-1375-29
Date Collected: 07/09/19 14:02
Matrix: Solid
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C37-C40	ND		4.8		mg/Kg		07/12/19 19:29	07/16/19 00:02	1
C41-C44	**8.2**		4.8		mg/Kg		07/12/19 19:29	07/16/19 00:02	1
C9-C10	ND		4.8		mg/Kg		07/12/19 19:29	07/16/19 00:02	1
C6 as C6	ND		4.8		mg/Kg		07/12/19 19:29	07/16/19 00:02	1
C7 as C7	ND		4.8		mg/Kg		07/12/19 19:29	07/16/19 00:02	1
C8 as C8	ND		4.8		mg/Kg		07/12/19 19:29	07/16/19 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*102*		*61 - 145*	*07/12/19 19:29*	*07/16/19 00:02*	*1*

Client Sample ID: HA22-0.5 DUP
Lab Sample ID: 570-1375-30
Date Collected: 07/09/19 14:02
Matrix: Solid
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:24	1
C13-C14	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:24	1
C15-C16	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:24	1
C17-C18	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:24	1
C19-C20	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:24	1
C21-C22	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:24	1
C23-C24	**15**		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:24	1
C25-C28	**8.2**		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:24	1
C29-C32	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:24	1
C33-C36	**8.0**		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:24	1
C37-C40	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:24	1
C41-C44	**5.7**		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:24	1
C9-C10	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:24	1
C6 as C6	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:24	1
C7 as C7	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:24	1
C8 as C8	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*98*		*61 - 145*	*07/12/19 19:29*	*07/16/19 00:24*	*1*

Client Sample ID: HA23-0.5
Lab Sample ID: 570-1375-33
Date Collected: 07/09/19 14:22
Matrix: Solid
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:45	1
C13-C14	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:45	1
C15-C16	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:45	1
C17-C18	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:45	1
C19-C20	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:45	1
C21-C22	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:45	1
C23-C24	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:45	1
C25-C28	**5.5**		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:45	1
C29-C32	**7.0**		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:45	1
C33-C36	**7.3**		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:45	1
C37-C40	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:45	1
C41-C44	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:45	1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Client Sample ID: HA23-0.5
Lab Sample ID: 570-1375-33
Date Collected: 07/09/19 14:22
Matrix: Solid
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C9-C10	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:45	1
C6 as C6	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:45	1
C7 as C7	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:45	1
C8 as C8	ND		5.0		mg/Kg		07/12/19 19:29	07/16/19 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*103*		*61 - 145*	*07/12/19 19:29*	*07/16/19 00:45*	*1*

Client Sample ID: HA27-0.5
Lab Sample ID: 570-1375-36
Date Collected: 07/09/19 11:12
Matrix: Solid
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		4.8		mg/Kg		07/12/19 19:29	07/16/19 01:06	1
C13-C14	ND		4.8		mg/Kg		07/12/19 19:29	07/16/19 01:06	1
C15-C16	ND		4.8		mg/Kg		07/12/19 19:29	07/16/19 01:06	1
C17-C18	ND		4.8		mg/Kg		07/12/19 19:29	07/16/19 01:06	1
C19-C20	ND		4.8		mg/Kg		07/12/19 19:29	07/16/19 01:06	1
C21-C22	ND		4.8		mg/Kg		07/12/19 19:29	07/16/19 01:06	1
C23-C24	ND		4.8		mg/Kg		07/12/19 19:29	07/16/19 01:06	1
C25-C28	ND		4.8		mg/Kg		07/12/19 19:29	07/16/19 01:06	1
C29-C32	ND		4.8		mg/Kg		07/12/19 19:29	07/16/19 01:06	1
C33-C36	ND		4.8		mg/Kg		07/12/19 19:29	07/16/19 01:06	1
C37-C40	ND		4.8		mg/Kg		07/12/19 19:29	07/16/19 01:06	1
C41-C44	ND		4.8		mg/Kg		07/12/19 19:29	07/16/19 01:06	1
C9-C10	ND		4.8		mg/Kg		07/12/19 19:29	07/16/19 01:06	1
C6 as C6	ND		4.8		mg/Kg		07/12/19 19:29	07/16/19 01:06	1
C7 as C7	ND		4.8		mg/Kg		07/12/19 19:29	07/16/19 01:06	1
C8 as C8	ND		4.8		mg/Kg		07/12/19 19:29	07/16/19 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*101*		*61 - 145*	*07/12/19 19:29*	*07/16/19 01:06*	*1*

Client Sample ID: EB2
Lab Sample ID: 570-1375-45
Date Collected: 07/09/19 15:02
Matrix: Water
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		47		ug/L		07/11/19 16:05	07/17/19 17:57	1
C13-C14	ND		47		ug/L		07/11/19 16:05	07/17/19 17:57	1
C15-C16	ND		47		ug/L		07/11/19 16:05	07/17/19 17:57	1
C17-C18	ND		47		ug/L		07/11/19 16:05	07/17/19 17:57	1
C19-C20	ND		47		ug/L		07/11/19 16:05	07/17/19 17:57	1
C21-C22	ND		47		ug/L		07/11/19 16:05	07/17/19 17:57	1
C23-C24	ND		47		ug/L		07/11/19 16:05	07/17/19 17:57	1
C25-C28	ND		47		ug/L		07/11/19 16:05	07/17/19 17:57	1
C29-C32	ND		47		ug/L		07/11/19 16:05	07/17/19 17:57	1
C33-C36	ND		47		ug/L		07/11/19 16:05	07/17/19 17:57	1
C37-C40	ND		47		ug/L		07/11/19 16:05	07/17/19 17:57	1
C41-C44	ND		47		ug/L		07/11/19 16:05	07/17/19 17:57	1
C9-C10	ND		47		ug/L		07/11/19 16:05	07/17/19 17:57	1
C6 as C6	ND		47		ug/L		07/11/19 16:05	07/17/19 17:57	1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Client Sample ID: EB2
Date Collected: 07/09/19 15:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-45
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C7 as C7	ND		47		ug/L		07/11/19 16:05	07/17/19 17:57	1
C8 as C8	ND		47		ug/L		07/11/19 16:05	07/17/19 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*111*		*68 - 140*	*07/11/19 16:05*	*07/17/19 17:57*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Client Sample ID: HA1-0.5
Date Collected: 07/09/19 08:17
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0		ug/Kg		07/12/19 12:06	07/16/19 16:31	1
4,4'-DDE	ND		5.0		ug/Kg		07/12/19 12:06	07/16/19 16:31	1
4,4'-DDT	ND		5.0		ug/Kg		07/12/19 12:06	07/16/19 16:31	1
Aldrin	ND		5.0		ug/Kg		07/12/19 12:06	07/16/19 16:31	1
alpha-BHC	ND		5.0		ug/Kg		07/12/19 12:06	07/16/19 16:31	1
beta-BHC	ND		5.0		ug/Kg		07/12/19 12:06	07/16/19 16:31	1
Chlordane	ND		25		ug/Kg		07/12/19 12:06	07/16/19 16:31	1
delta-BHC	ND		5.0		ug/Kg		07/12/19 12:06	07/16/19 16:31	1
Dieldrin	ND		0.99		ug/Kg		07/12/19 12:06	07/16/19 16:31	1
Endosulfan I	ND		5.0		ug/Kg		07/12/19 12:06	07/16/19 16:31	1
Endosulfan II	ND		5.0		ug/Kg		07/12/19 12:06	07/16/19 16:31	1
Endosulfan sulfate	ND		5.0		ug/Kg		07/12/19 12:06	07/16/19 16:31	1
Endrin	ND		5.0		ug/Kg		07/12/19 12:06	07/16/19 16:31	1
Endrin aldehyde	ND		5.0		ug/Kg		07/12/19 12:06	07/16/19 16:31	1
Endrin ketone	ND		5.0		ug/Kg		07/12/19 12:06	07/16/19 16:31	1
gamma-BHC	ND		5.0		ug/Kg		07/12/19 12:06	07/16/19 16:31	1
Heptachlor	ND		5.0		ug/Kg		07/12/19 12:06	07/16/19 16:31	1
Heptachlor epoxide	ND		5.0		ug/Kg		07/12/19 12:06	07/16/19 16:31	1
Methoxychlor	ND		5.0		ug/Kg		07/12/19 12:06	07/16/19 16:31	1
Toxaphene	ND		25		ug/Kg		07/12/19 12:06	07/16/19 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*44*		*25 - 145*	*07/12/19 12:06*	*07/16/19 16:31*	*1*
DCB Decachlorobiphenyl (Surr)	*45*	*p*	*24 - 168*	*07/12/19 12:06*	*07/16/19 16:31*	*1*

Client Sample ID: HA6-0.5
Date Collected: 07/09/19 09:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 16:45	1
4,4'-DDE	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 16:45	1
4,4'-DDT	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 16:45	1
Aldrin	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 16:45	1
alpha-BHC	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 16:45	1
beta-BHC	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 16:45	1
Chlordane	ND		25		ug/Kg		07/12/19 12:06	07/16/19 16:45	1
delta-BHC	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 16:45	1
Dieldrin	ND		0.99		ug/Kg		07/12/19 12:06	07/16/19 16:45	1
Endosulfan I	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 16:45	1
Endosulfan II	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 16:45	1
Endosulfan sulfate	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 16:45	1
Endrin	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 16:45	1
Endrin aldehyde	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 16:45	1
Endrin ketone	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 16:45	1
gamma-BHC	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 16:45	1
Heptachlor	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 16:45	1
Heptachlor epoxide	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 16:45	1
Methoxychlor	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 16:45	1
Toxaphene	ND		25		ug/Kg		07/12/19 12:06	07/16/19 16:45	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*57*		*25 - 145*	*07/12/19 12:06*	*07/16/19 16:45*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*24 - 168*	*07/12/19 12:06*	*07/16/19 16:45*	*1*

Client Sample ID: HA6-0.5 DUP **Lab Sample ID: 570-1375-5**
Date Collected: 07/09/19 09:02 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 16:59	1
4,4'-DDE	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 16:59	1
4,4'-DDT	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 16:59	1
Aldrin	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 16:59	1
alpha-BHC	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 16:59	1
beta-BHC	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 16:59	1
Chlordane	ND		25	ug/Kg		07/12/19 12:06	07/16/19 16:59	1
delta-BHC	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 16:59	1
Dieldrin	ND		0.99	ug/Kg		07/12/19 12:06	07/16/19 16:59	1
Endosulfan I	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 16:59	1
Endosulfan II	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 16:59	1
Endosulfan sulfate	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 16:59	1
Endrin	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 16:59	1
Endrin aldehyde	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 16:59	1
Endrin ketone	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 16:59	1
gamma-BHC	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 16:59	1
Heptachlor	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 16:59	1
Heptachlor epoxide	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 16:59	1
Methoxychlor	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 16:59	1
Toxaphene	ND		25	ug/Kg		07/12/19 12:06	07/16/19 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*68*		*25 - 145*	*07/12/19 12:06*	*07/16/19 16:59*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*24 - 168*	*07/12/19 12:06*	*07/16/19 16:59*	*1*

Client Sample ID: HA15-0.5 **Lab Sample ID: 570-1375-8**
Date Collected: 07/09/19 10:02 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 17:13	1
4,4'-DDE	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 17:13	1
4,4'-DDT	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 17:13	1
Aldrin	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 17:13	1
alpha-BHC	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 17:13	1
beta-BHC	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 17:13	1
Chlordane	ND		25	ug/Kg		07/12/19 12:06	07/16/19 17:13	1
delta-BHC	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 17:13	1
Dieldrin	ND		1.0	ug/Kg		07/12/19 12:06	07/16/19 17:13	1
Endosulfan I	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 17:13	1
Endosulfan II	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 17:13	1
Endosulfan sulfate	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 17:13	1
Endrin	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 17:13	1
Endrin aldehyde	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 17:13	1
Endrin ketone	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 17:13	1
gamma-BHC	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 17:13	1
Heptachlor	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 17:13	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: HA15-0.5
Date Collected: 07/09/19 10:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-8
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		5.0		ug/Kg		07/12/19 12:06	07/16/19 17:13	1
Methoxychlor	ND		5.0		ug/Kg		07/12/19 12:06	07/16/19 17:13	1
Toxaphene	ND		25		ug/Kg		07/12/19 12:06	07/16/19 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*42*		*25 - 145*	*07/12/19 12:06*	*07/16/19 17:13*	*1*
DCB Decachlorobiphenyl (Surr)	*47*		*24 - 168*	*07/12/19 12:06*	*07/16/19 17:13*	*1*

Client Sample ID: HA16-0.5
Date Collected: 07/09/19 12:17
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-11
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:28	1
4,4'-DDE	**13**		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:28	1
4,4'-DDT	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:28	1
Aldrin	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:28	1
alpha-BHC	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:28	1
beta-BHC	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:28	1
Chlordane	ND		25		ug/Kg		07/12/19 12:06	07/16/19 17:28	1
delta-BHC	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:28	1
Dieldrin	ND		0.99		ug/Kg		07/12/19 12:06	07/16/19 17:28	1
Endosulfan I	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:28	1
Endosulfan II	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:28	1
Endosulfan sulfate	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:28	1
Endrin	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:28	1
Endrin aldehyde	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:28	1
Endrin ketone	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:28	1
gamma-BHC	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:28	1
Heptachlor	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:28	1
Heptachlor epoxide	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:28	1
Methoxychlor	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:28	1
Toxaphene	ND		25		ug/Kg		07/12/19 12:06	07/16/19 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*74*		*25 - 145*	*07/12/19 12:06*	*07/16/19 17:28*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*24 - 168*	*07/12/19 12:06*	*07/16/19 17:28*	*1*

Client Sample ID: HA17-0.5
Date Collected: 07/09/19 10:37
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-14
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:42	1
4,4'-DDE	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:42	1
4,4'-DDT	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:42	1
Aldrin	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:42	1
alpha-BHC	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:42	1
beta-BHC	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:42	1
Chlordane	ND		25		ug/Kg		07/12/19 12:06	07/16/19 17:42	1
delta-BHC	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:42	1
Dieldrin	ND		0.98		ug/Kg		07/12/19 12:06	07/16/19 17:42	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: HA17-0.5
Date Collected: 07/09/19 10:37
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-14
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:42	1
Endosulfan II	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:42	1
Endosulfan sulfate	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:42	1
Endrin	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:42	1
Endrin aldehyde	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:42	1
Endrin ketone	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:42	1
gamma-BHC	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:42	1
Heptachlor	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:42	1
Heptachlor epoxide	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:42	1
Methoxychlor	ND		4.9		ug/Kg		07/12/19 12:06	07/16/19 17:42	1
Toxaphene	ND		25		ug/Kg		07/12/19 12:06	07/16/19 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*69*		*25 - 145*	*07/12/19 12:06*	*07/16/19 17:42*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*24 - 168*	*07/12/19 12:06*	*07/16/19 17:42*	*1*

Client Sample ID: HA18-0.5
Date Collected: 07/09/19 13:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-17
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 06:41	1
4,4'-DDE	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 06:41	1
4,4'-DDT	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 06:41	1
Aldrin	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 06:41	1
alpha-BHC	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 06:41	1
beta-BHC	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 06:41	1
Chlordane	ND		25		ug/Kg		07/12/19 12:06	07/17/19 06:41	1
delta-BHC	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 06:41	1
Dieldrin	ND		1.0		ug/Kg		07/12/19 12:06	07/17/19 06:41	1
Endosulfan I	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 06:41	1
Endosulfan II	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 06:41	1
Endosulfan sulfate	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 06:41	1
Endrin	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 06:41	1
Endrin aldehyde	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 06:41	1
Endrin ketone	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 06:41	1
gamma-BHC	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 06:41	1
Heptachlor	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 06:41	1
Heptachlor epoxide	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 06:41	1
Methoxychlor	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 06:41	1
Toxaphene	ND		25		ug/Kg		07/12/19 12:06	07/17/19 06:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*25 - 145*	*07/12/19 12:06*	*07/17/19 06:41*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*24 - 168*	*07/12/19 12:06*	*07/17/19 06:41*	*1*

Client Sample ID: HA19-0.5
Date Collected: 07/09/19 11:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-20
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 06:55	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: HA19-0.5
Date Collected: 07/09/19 11:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-20
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 06:55	1
4,4'-DDT	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 06:55	1
Aldrin	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 06:55	1
alpha-BHC	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 06:55	1
beta-BHC	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 06:55	1
Chlordane	ND		24		ug/Kg		07/12/19 12:06	07/17/19 06:55	1
delta-BHC	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 06:55	1
Dieldrin	ND		0.98		ug/Kg		07/12/19 12:06	07/17/19 06:55	1
Endosulfan I	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 06:55	1
Endosulfan II	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 06:55	1
Endosulfan sulfate	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 06:55	1
Endrin	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 06:55	1
Endrin aldehyde	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 06:55	1
Endrin ketone	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 06:55	1
gamma-BHC	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 06:55	1
Heptachlor	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 06:55	1
Heptachlor epoxide	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 06:55	1
Methoxychlor	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 06:55	1
Toxaphene	ND		24		ug/Kg		07/12/19 12:06	07/17/19 06:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*78*		*25 - 145*	*07/12/19 12:06*	*07/17/19 06:55*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*24 - 168*	*07/12/19 12:06*	*07/17/19 06:55*	*1*

Client Sample ID: HA20-0.5
Date Collected: 07/09/19 09:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-23
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 07:09	1
4,4'-DDE	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 07:09	1
4,4'-DDT	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 07:09	1
Aldrin	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 07:09	1
alpha-BHC	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 07:09	1
beta-BHC	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 07:09	1
Chlordane	ND		25		ug/Kg		07/12/19 12:06	07/17/19 07:09	1
delta-BHC	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 07:09	1
Dieldrin	ND		0.98		ug/Kg		07/12/19 12:06	07/17/19 07:09	1
Endosulfan I	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 07:09	1
Endosulfan II	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 07:09	1
Endosulfan sulfate	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 07:09	1
Endrin	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 07:09	1
Endrin aldehyde	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 07:09	1
Endrin ketone	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 07:09	1
gamma-BHC	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 07:09	1
Heptachlor	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 07:09	1
Heptachlor epoxide	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 07:09	1
Methoxychlor	ND		4.9		ug/Kg		07/12/19 12:06	07/17/19 07:09	1
Toxaphene	ND		25		ug/Kg		07/12/19 12:06	07/17/19 07:09	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*68*		*25 - 145*	*07/12/19 12:06*	*07/17/19 07:09*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*24 - 168*	*07/12/19 12:06*	*07/17/19 07:09*	*1*

Client Sample ID: HA21-0.5
Date Collected: 07/09/19 14:42
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-26
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:24	1
4,4'-DDE	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:24	1
4,4'-DDT	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:24	1
Aldrin	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:24	1
alpha-BHC	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:24	1
beta-BHC	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:24	1
Chlordane	ND		25	ug/Kg		07/12/19 12:06	07/17/19 07:24	1
delta-BHC	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:24	1
Dieldrin	ND		0.99	ug/Kg		07/12/19 12:06	07/17/19 07:24	1
Endosulfan I	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:24	1
Endosulfan II	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:24	1
Endosulfan sulfate	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:24	1
Endrin	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:24	1
Endrin aldehyde	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:24	1
Endrin ketone	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:24	1
gamma-BHC	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:24	1
Heptachlor	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:24	1
Heptachlor epoxide	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:24	1
Methoxychlor	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:24	1
Toxaphene	ND		25	ug/Kg		07/12/19 12:06	07/17/19 07:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*79*		*25 - 145*	*07/12/19 12:06*	*07/17/19 07:24*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*24 - 168*	*07/12/19 12:06*	*07/17/19 07:24*	*1*

Client Sample ID: HA22-0.5
Date Collected: 07/09/19 14:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-29
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	ug/Kg		07/12/19 12:06	07/17/19 07:38	1
4,4'-DDE	ND		5.0	ug/Kg		07/12/19 12:06	07/17/19 07:38	1
4,4'-DDT	ND		5.0	ug/Kg		07/12/19 12:06	07/17/19 07:38	1
Aldrin	ND		5.0	ug/Kg		07/12/19 12:06	07/17/19 07:38	1
alpha-BHC	ND		5.0	ug/Kg		07/12/19 12:06	07/17/19 07:38	1
beta-BHC	ND		5.0	ug/Kg		07/12/19 12:06	07/17/19 07:38	1
Chlordane	ND		25	ug/Kg		07/12/19 12:06	07/17/19 07:38	1
delta-BHC	ND		5.0	ug/Kg		07/12/19 12:06	07/17/19 07:38	1
Dieldrin	ND		1.0	ug/Kg		07/12/19 12:06	07/17/19 07:38	1
Endosulfan I	ND		5.0	ug/Kg		07/12/19 12:06	07/17/19 07:38	1
Endosulfan II	ND		5.0	ug/Kg		07/12/19 12:06	07/17/19 07:38	1
Endosulfan sulfate	ND		5.0	ug/Kg		07/12/19 12:06	07/17/19 07:38	1
Endrin	ND		5.0	ug/Kg		07/12/19 12:06	07/17/19 07:38	1
Endrin aldehyde	ND		5.0	ug/Kg		07/12/19 12:06	07/17/19 07:38	1
Endrin ketone	ND		5.0	ug/Kg		07/12/19 12:06	07/17/19 07:38	1
gamma-BHC	ND		5.0	ug/Kg		07/12/19 12:06	07/17/19 07:38	1
Heptachlor	ND		5.0	ug/Kg		07/12/19 12:06	07/17/19 07:38	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: HA22-0.5
Date Collected: 07/09/19 14:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-29
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		5.0	ug/Kg		07/12/19 12:06	07/17/19 07:38	1
Methoxychlor	ND		5.0	ug/Kg		07/12/19 12:06	07/17/19 07:38	1
Toxaphene	ND		25	ug/Kg		07/12/19 12:06	07/17/19 07:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*25 - 145*	*07/12/19 12:06*	*07/17/19 07:38*	*1*
DCB Decachlorobiphenyl (Surr)	*79*		*24 - 168*	*07/12/19 12:06*	*07/17/19 07:38*	*1*

Client Sample ID: HA22-0.5 DUP
Date Collected: 07/09/19 14:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-30
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:52	1
4,4'-DDE	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:52	1
4,4'-DDT	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:52	1
Aldrin	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:52	1
alpha-BHC	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:52	1
beta-BHC	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:52	1
Chlordane	ND		25	ug/Kg		07/12/19 12:06	07/17/19 07:52	1
delta-BHC	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:52	1
Dieldrin	ND		0.98	ug/Kg		07/12/19 12:06	07/17/19 07:52	1
Endosulfan I	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:52	1
Endosulfan II	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:52	1
Endosulfan sulfate	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:52	1
Endrin	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:52	1
Endrin aldehyde	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:52	1
Endrin ketone	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:52	1
gamma-BHC	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:52	1
Heptachlor	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:52	1
Heptachlor epoxide	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:52	1
Methoxychlor	ND		4.9	ug/Kg		07/12/19 12:06	07/17/19 07:52	1
Toxaphene	ND		25	ug/Kg		07/12/19 12:06	07/17/19 07:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*70*		*25 - 145*	*07/12/19 12:06*	*07/17/19 07:52*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*24 - 168*	*07/12/19 12:06*	*07/17/19 07:52*	*1*

Client Sample ID: HA23-0.5
Date Collected: 07/09/19 14:22
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-33
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	ug/Kg		07/12/19 12:06	07/17/19 08:06	1
4,4'-DDE	ND		5.0	ug/Kg		07/12/19 12:06	07/17/19 08:06	1
4,4'-DDT	ND		5.0	ug/Kg		07/12/19 12:06	07/17/19 08:06	1
Aldrin	ND		5.0	ug/Kg		07/12/19 12:06	07/17/19 08:06	1
alpha-BHC	ND		5.0	ug/Kg		07/12/19 12:06	07/17/19 08:06	1
beta-BHC	ND		5.0	ug/Kg		07/12/19 12:06	07/17/19 08:06	1
Chlordane	ND		25	ug/Kg		07/12/19 12:06	07/17/19 08:06	1
delta-BHC	ND		5.0	ug/Kg		07/12/19 12:06	07/17/19 08:06	1
Dieldrin	**1.3**		0.99	ug/Kg		07/12/19 12:06	07/17/19 08:06	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: HA23-0.5 **Lab Sample ID: 570-1375-33**
Date Collected: 07/09/19 14:22 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:06	1
Endosulfan II	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:06	1
Endosulfan sulfate	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:06	1
Endrin	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:06	1
Endrin aldehyde	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:06	1
Endrin ketone	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:06	1
gamma-BHC	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:06	1
Heptachlor	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:06	1
Heptachlor epoxide	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:06	1
Methoxychlor	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:06	1
Toxaphene	ND		25		ug/Kg		07/12/19 12:06	07/17/19 08:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*63*		*25 - 145*	*07/12/19 12:06*	*07/17/19 08:06*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*24 - 168*	*07/12/19 12:06*	*07/17/19 08:06*	*1*

Client Sample ID: HA27-0.5 **Lab Sample ID: 570-1375-36**
Date Collected: 07/09/19 11:12 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:21	1
4,4'-DDE	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:21	1
4,4'-DDT	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:21	1
Aldrin	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:21	1
alpha-BHC	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:21	1
beta-BHC	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:21	1
Chlordane	ND		25		ug/Kg		07/12/19 12:06	07/17/19 08:21	1
delta-BHC	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:21	1
Dieldrin	ND		1.0		ug/Kg		07/12/19 12:06	07/17/19 08:21	1
Endosulfan I	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:21	1
Endosulfan II	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:21	1
Endosulfan sulfate	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:21	1
Endrin	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:21	1
Endrin aldehyde	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:21	1
Endrin ketone	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:21	1
gamma-BHC	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:21	1
Heptachlor	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:21	1
Heptachlor epoxide	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:21	1
Methoxychlor	ND		5.0		ug/Kg		07/12/19 12:06	07/17/19 08:21	1
Toxaphene	ND		25		ug/Kg		07/12/19 12:06	07/17/19 08:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*67*		*25 - 145*	*07/12/19 12:06*	*07/17/19 08:21*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*24 - 168*	*07/12/19 12:06*	*07/17/19 08:21*	*1*

Client Sample ID: EB2 **Lab Sample ID: 570-1375-45**
Date Collected: 07/09/19 15:02 **Matrix: Water**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.048		ug/L		07/11/19 09:51	07/13/19 13:24	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: EB2
Lab Sample ID: 570-1375-45
Date Collected: 07/09/19 15:02
Matrix: Water
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	ND		0.019		ug/L		07/11/19 09:51	07/13/19 13:24	1
4,4'-DDT	ND		0.048		ug/L		07/11/19 09:51	07/13/19 13:24	1
Aldrin	ND		0.048		ug/L		07/11/19 09:51	07/13/19 13:24	1
alpha-BHC	ND		0.019		ug/L		07/11/19 09:51	07/13/19 13:24	1
beta-BHC	ND		0.019		ug/L		07/11/19 09:51	07/13/19 13:24	1
Chlordane	ND		0.096		ug/L		07/11/19 09:51	07/13/19 13:24	1
delta-BHC	ND		0.019		ug/L		07/11/19 09:51	07/13/19 13:24	1
Dieldrin	ND		0.048		ug/L		07/11/19 09:51	07/13/19 13:24	1
Endosulfan I	ND		0.048		ug/L		07/11/19 09:51	07/13/19 13:24	1
Endosulfan II	ND		0.048		ug/L		07/11/19 09:51	07/13/19 13:24	1
Endosulfan sulfate	ND		0.048		ug/L		07/11/19 09:51	07/13/19 13:24	1
Endrin	ND		0.019		ug/L		07/11/19 09:51	07/13/19 13:24	1
Endrin aldehyde	ND		0.096		ug/L		07/11/19 09:51	07/13/19 13:24	1
Endrin ketone	ND		0.048		ug/L		07/11/19 09:51	07/13/19 13:24	1
gamma-BHC	ND		0.019		ug/L		07/11/19 09:51	07/13/19 13:24	1
Heptachlor	ND		0.019		ug/L		07/11/19 09:51	07/13/19 13:24	1
Heptachlor epoxide	ND		0.019		ug/L		07/11/19 09:51	07/13/19 13:24	1
Methoxychlor	ND		0.048		ug/L		07/11/19 09:51	07/13/19 13:24	1
Toxaphene	ND		0.29		ug/L		07/11/19 09:51	07/13/19 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*50 - 135*	*07/11/19 09:51*	*07/13/19 13:24*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*50 - 135*	*07/11/19 09:51*	*07/13/19 13:24*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: EB2
Date Collected: 07/09/19 15:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-45
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	*	0.48		ug/L		07/11/19 09:51	07/14/19 16:39	1
PCB-1221	ND		0.48		ug/L		07/11/19 09:51	07/14/19 16:39	1
PCB-1232	ND		0.48		ug/L		07/11/19 09:51	07/14/19 16:39	1
PCB-1242	ND		0.48		ug/L		07/11/19 09:51	07/14/19 16:39	1
PCB-1248	ND		0.48		ug/L		07/11/19 09:51	07/14/19 16:39	1
PCB-1254	ND		0.48		ug/L		07/11/19 09:51	07/14/19 16:39	1
PCB-1260	ND		0.48		ug/L		07/11/19 09:51	07/14/19 16:39	1
PCB-1262	ND		0.48		ug/L		07/11/19 09:51	07/14/19 16:39	1
PCB-1268	ND		0.48		ug/L		07/11/19 09:51	07/14/19 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*108*		*50 - 135*	*07/11/19 09:51*	*07/14/19 16:39*	*1*
Tetrachloro-m-xylene	*107*		*50 - 135*	*07/11/19 09:51*	*07/14/19 16:39*	*1*

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

Method: 6010B - Metals (ICP)

Client Sample ID: HA1-0.5
Date Collected: 07/09/19 08:17
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-1
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**12.7**		0.508	mg/Kg		07/12/19 16:32	07/21/19 14:33	1

Client Sample ID: HA6-0.5
Date Collected: 07/09/19 09:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-4
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**1.52**		0.498	mg/Kg		07/12/19 16:32	07/21/19 14:35	1

Client Sample ID: HA6-0.5 DUP
Date Collected: 07/09/19 09:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-5
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**2.10**		0.500	mg/Kg		07/12/19 16:32	07/19/19 16:41	1

Client Sample ID: HA15-0.5
Date Collected: 07/09/19 10:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-8
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**40.4**		0.495	mg/Kg		07/12/19 16:32	07/19/19 16:43	1

Client Sample ID: HA16-0.5
Date Collected: 07/09/19 12:17
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-11
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**34.4**		0.490	mg/Kg		07/12/19 16:32	07/19/19 16:45	1

Client Sample ID: HA17-0.5
Date Collected: 07/09/19 10:37
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-14
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**12.5**		0.485	mg/Kg		07/12/19 16:32	07/19/19 16:47	1

Client Sample ID: HA18-0.5
Date Collected: 07/09/19 13:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-17
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**6.77**		0.503	mg/Kg		07/12/19 16:32	07/19/19 16:49	1

Client Sample ID: HA19-0.5
Date Collected: 07/09/19 11:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-20
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**4.70**		0.488	mg/Kg		07/12/19 16:32	07/19/19 16:50	1

Client Sample ID: HA20-0.5
Date Collected: 07/09/19 09:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-23
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.503	mg/Kg		07/12/19 16:32	07/19/19 16:57	1

Method: 6010B - Metals (ICP)

Client Sample ID: HA21-0.5
Date Collected: 07/09/19 14:42
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-26
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**23.7**		0.481		mg/Kg		07/12/19 16:32	07/19/19 16:59	1

Client Sample ID: HA22-0.5
Date Collected: 07/09/19 14:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-29
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**31.4**		0.513		mg/Kg		07/12/19 16:32	07/19/19 17:01	1

Client Sample ID: HA22-0.5 DUP
Date Collected: 07/09/19 14:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-30
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**33.1**		0.481		mg/Kg		07/12/19 16:32	07/19/19 17:03	1

Client Sample ID: HA23-0.5
Date Collected: 07/09/19 14:22
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-33
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**24.7**		0.495		mg/Kg		07/12/19 16:32	07/21/19 14:28	1

Client Sample ID: HA27-0.5
Date Collected: 07/09/19 11:12
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-36
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**10.6**		0.513		mg/Kg		07/12/19 16:32	07/19/19 17:05	1

Client Sample ID: EB2
Date Collected: 07/09/19 15:02
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-45
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0500		mg/L		07/15/19 15:00	07/23/19 22:06	1

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

Method: 6020 - Metals (ICP/MS)

Client Sample ID: HA1-0.5 **Lab Sample ID: 570-1375-1**
Date Collected: 07/09/19 08:17 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12.2		0.966		mg/Kg		07/12/19 16:18	07/21/19 11:22	20

Client Sample ID: HA6-0.5 **Lab Sample ID: 570-1375-4**
Date Collected: 07/09/19 09:02 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.47		0.966		mg/Kg		07/12/19 16:18	07/21/19 11:32	20

Client Sample ID: HA6-0.5 DUP **Lab Sample ID: 570-1375-5**
Date Collected: 07/09/19 09:02 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.16		0.966		mg/Kg		07/12/19 16:18	07/21/19 11:35	20

Client Sample ID: HA15-0.5 **Lab Sample ID: 570-1375-8**
Date Collected: 07/09/19 10:02 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.88		1.02		mg/Kg		07/12/19 16:18	07/21/19 11:38	20

Client Sample ID: HA16-0.5 **Lab Sample ID: 570-1375-11**
Date Collected: 07/09/19 12:17 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.59		1.00		mg/Kg		07/12/19 16:18	07/21/19 11:41	20

Client Sample ID: HA17-0.5 **Lab Sample ID: 570-1375-14**
Date Collected: 07/09/19 10:37 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.16		0.976		mg/Kg		07/12/19 16:18	07/21/19 11:43	20

Client Sample ID: HA18-0.5 **Lab Sample ID: 570-1375-17**
Date Collected: 07/09/19 13:32 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.22		1.01		mg/Kg		07/12/19 16:18	07/21/19 11:46	20

Client Sample ID: HA19-0.5 **Lab Sample ID: 570-1375-20**
Date Collected: 07/09/19 11:32 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.39		1.01		mg/Kg		07/12/19 16:18	07/21/19 11:49	20

Client Sample ID: HA20-0.5 **Lab Sample ID: 570-1375-23**
Date Collected: 07/09/19 09:32 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.39		1.01		mg/Kg		07/12/19 16:18	07/21/19 11:51	20

Method: 6020 - Metals (ICP/MS)

Client Sample ID: HA21-0.5
Date Collected: 07/09/19 14:42
Date Received: 07/10/19 13:00
Lab Sample ID: 570-1375-26
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.22**		1.01		mg/Kg		07/12/19 16:18	07/21/19 11:54	20

Client Sample ID: HA22-0.5
Date Collected: 07/09/19 14:02
Date Received: 07/10/19 13:00
Lab Sample ID: 570-1375-29
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.46**		0.980		mg/Kg		07/12/19 16:18	07/21/19 11:57	20

Client Sample ID: HA22-0.5 DUP
Date Collected: 07/09/19 14:02
Date Received: 07/10/19 13:00
Lab Sample ID: 570-1375-30
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.97**		0.966		mg/Kg		07/12/19 16:18	07/21/19 12:08	20

Client Sample ID: HA23-0.5
Date Collected: 07/09/19 14:22
Date Received: 07/10/19 13:00
Lab Sample ID: 570-1375-33
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.78**		1.02		mg/Kg		07/12/19 16:18	07/21/19 11:11	20

Client Sample ID: HA27-0.5
Date Collected: 07/09/19 11:12
Date Received: 07/10/19 13:00
Lab Sample ID: 570-1375-36
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.64**		0.990		mg/Kg		07/12/19 16:18	07/21/19 12:10	20

Client Sample ID: B9A-0.5
Date Collected: 07/09/19 12:32
Date Received: 07/10/19 13:00
Lab Sample ID: 570-1375-39
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**10.9**		5.05		mg/Kg		07/12/19 16:18	07/22/19 17:16	100

Client Sample ID: B9B-0.5
Date Collected: 07/09/19 12:57
Date Received: 07/10/19 13:00
Lab Sample ID: 570-1375-42
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**14.9**		4.95		mg/Kg		07/12/19 16:18	07/22/19 17:19	100

Client Sample ID: EB2
Date Collected: 07/09/19 15:02
Date Received: 07/10/19 13:00
Lab Sample ID: 570-1375-45
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00100		mg/L		07/16/19 15:00	07/18/19 19:56	1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(71-155)	(80-120)	(79-133)	(80-120)
570-1375-1	HA1-0.5	113	91	102	99
570-1375-4	HA6-0.5	116	91	106	100
570-1375-5	HA6-0.5 DUP	118	90	106	100
570-1375-8	HA15-0.5	117	93	105	100
570-1375-11	HA16-0.5	120	92	110	101
570-1375-14	HA17-0.5	120	91	110	102
570-1375-17	HA18-0.5	118	91	107	101
570-1375-20	HA19-0.5	120	90	108	101
570-1375-23	HA20-0.5	121	89	111	100
570-1375-26	HA21-0.5	119	92	106	99
570-1375-29	HA22-0.5	133	105	109	100
570-1375-30	HA22-0.5 DUP	133	105	110	100
570-1375-33	HA23-0.5	123	92	113	101
570-1375-36	HA27-0.5	125	91	114	101
LCS 570-5069/4	Lab Control Sample	85	100	92	101
LCS 570-5144/4	Lab Control Sample	99	104	101	103
LCS 570-5343/1-A	Lab Control Sample	115	106	106	101
LCSD 570-5069/5	Lab Control Sample Dup	85	99	92	100
LCSD 570-5144/5	Lab Control Sample Dup	99	105	101	102
LCSD 570-5343/2-A	Lab Control Sample Dup	116	106	108	100
MB 570-5069/8	Method Blank	91	91	94	100
MB 570-5207/1-A	Method Blank	102	91	102	103
MB 570-5209/1-A	Method Blank	107	91	107	101
MB 570-5343/3-A	Method Blank	119	105	107	100
MB 570-5345/1-A	Method Blank	113	104	103	101

Surrogate Legend

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

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-129)	(77-120)	(80-128)	(80-120)
570-1375-45	EB2	100	92	101	97
LCS 570-5489/4	Lab Control Sample	101	103	97	98
LCSD 570-5489/5	Lab Control Sample Dup	102	103	100	98
MB 570-5489/9	Method Blank	101	95	100	98

Surrogate Legend

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

Surrogate Summary

Client: EFI Global, Inc.
Job ID: 570-1375-1
Project/Site: WH Taft HS

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL6
Lab Sample ID	Client Sample ID	(18-138)	(27-120)	(25-120)	(33-123)	(27-159)	(26-122)
570-1231-C-10-A MS	Matrix Spike	78	72	71	68	83	73
570-1231-C-10-B MSD	Matrix Spike Duplicate	75	70	71	66	81	74
570-1375-1	HA1-0.5	95	84	84	76	99	88
570-1375-4	HA6-0.5	93	90	90	82	101	92
570-1375-4 MS	HA6-0.5	96	78	77	65	100	85
570-1375-4 MSD	HA6-0.5	90	75	75	63	93	82
570-1375-5	HA6-0.5 DUP	82	79	77	71	94	82
570-1375-8	HA15-0.5	87	71	63	62	97	72
570-1375-11	HA16-0.5	69	69	59	60	79	69
570-1375-14	HA17-0.5	50	59	49	55	65	60
570-1375-17	HA18-0.5	93	84	84	73	102	89
570-1375-20	HA19-0.5	72	74	65	60	90	71
570-1375-23	HA20-0.5	80	82	84	72	101	87
570-1375-26	HA21-0.5	79	69	58	62	93	70
570-1375-29	HA22-0.5	62	50	46	45	69	49
570-1375-30	HA22-0.5 DUP	74	64	58	58	80	64
570-1375-33	HA23-0.5	69	57	46	49	77	56
570-1375-36	HA27-0.5	79	61	64	58	90	67
LCS 570-5032/2-A	Lab Control Sample	84	81	81	76	108	84
LCS 570-6519/2-A	Lab Control Sample	92	89	83	81	105	87
MB 570-5032/1-A	Method Blank	91	98	92	93	107	95
MB 570-6519/1-A	Method Blank	124	109	102	101	120	105

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL6 = Phenol-d6 (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL6
Lab Sample ID	Client Sample ID	(32-143)	(45-120)	(15-138)	(56-123)	(46-133)	(17-141)
570-1375-45	EB2	81	87	55	84	100	33
LCS 570-4949/2-A	Lab Control Sample	86	90	65	88	95	43
LCSD 570-4949/3-A	Lab Control Sample Dup	66	73	51	69	77	33
MB 570-4949/1-A	Method Blank	89	86	58	82	113	36

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL6 = Phenol-d6 (Surr)

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Solid **Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (42-126)
570-1231-A-21-F MS	Matrix Spike	102
570-1231-A-21-G MSD	Matrix Spike Duplicate	101
570-1375-1	HA1-0.5	94
570-1375-4	HA6-0.5	92
570-1375-5	HA6-0.5 DUP	92
570-1375-8	HA15-0.5	96
570-1375-11	HA16-0.5	94
570-1375-14	HA17-0.5	91
570-1375-17	HA18-0.5	96
570-1375-20	HA19-0.5	99
570-1375-23	HA20-0.5	99
570-1375-26	HA21-0.5	96
570-1375-29	HA22-0.5	90
570-1375-30	HA22-0.5 DUP	89
570-1375-33	HA23-0.5	89
570-1375-36	HA27-0.5	97
570-1583-B-1-B MS	Matrix Spike	89
570-1583-G-1-A MSD	Matrix Spike Duplicate	104
570-1643-A-3-E MS	Matrix Spike	106
570-1643-A-3-F MSD	Matrix Spike Duplicate	109
LCS 570-4929/1-A	Lab Control Sample	102
LCS 570-5013/1-A	Lab Control Sample	109
LCS 570-5167/2-A	Lab Control Sample	105
LCSD 570-4929/2-A	Lab Control Sample Dup	104
LCSD 570-5013/2-A	Lab Control Sample Dup	111
LCSD 570-5167/3-A	Lab Control Sample Dup	103
MB 570-4929/3-A	Method Blank	97
MB 570-5013/3-A	Method Blank	90
MB 570-5167/1-A	Method Blank	96
MB 570-5180/1-A	Method Blank	93

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Water **Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (38-134)
570-1375-45	EB2	85
570-1798-F-2 MS	Matrix Spike	92
570-1798-F-2 MSD	Matrix Spike Duplicate	109
LCS 570-5775/3	Lab Control Sample	106
LCSD 570-5775/4	Lab Control Sample Dup	107
MB 570-5775/6	Method Blank	89

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (61-145)
570-1375-1	HA1-0.5	80
570-1375-1 MS	HA1-0.5	105
570-1375-1 MSD	HA1-0.5	91
570-1375-4	HA6-0.5	113
570-1375-5	HA6-0.5 DUP	65
570-1375-8	HA15-0.5	70
570-1375-11	HA16-0.5	68
570-1375-14	HA17-0.5	100
570-1375-14 MS	HA17-0.5	94
570-1375-14 MSD	HA17-0.5	101
570-1375-17	HA18-0.5	83
570-1375-20	HA19-0.5	96
570-1375-23	HA20-0.5	106
570-1375-26	HA21-0.5	103
570-1375-29	HA22-0.5	102
570-1375-30	HA22-0.5 DUP	98
570-1375-33	HA23-0.5	103
570-1375-36	HA27-0.5	101
LCS 570-4861/2-A	Lab Control Sample	89
LCS 570-4902/14-A	Lab Control Sample	100
LCS 570-4902/2-A	Lab Control Sample	100
MB 570-4861/1-A	Method Blank	81
MB 570-4902/1-A	Method Blank	103

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Water **Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (68-140)
570-1375-45	EB2	111
570-1452-D-7-A MS	Matrix Spike	104
570-1452-D-7-B MSD	Matrix Spike Duplicate	101
LCS 570-4610/2-A	Lab Control Sample	100
LCSD 570-4610/3-A	Lab Control Sample Dup	114
MB 570-4610/1-A	Method Blank	101

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (25-145)	TCX2 (25-145)	DCB1 (24-168)	DCB2 (24-168)
570-1375-1	HA1-0.5	44		45 p	
570-1375-1 MS	HA1-0.5	68	70	86 p	167
570-1375-1 MSD	HA1-0.5		65	81 p	147

Surrogate Summary

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	TCX1 (25-145)	TCX2 (25-145)	DCB1 (24-168)	DCB2 (24-168)
570-1375-4	HA6-0.5	57		83	
570-1375-5	HA6-0.5 DUP	68		87	
570-1375-8	HA15-0.5	42		47	
570-1375-11	HA16-0.5	74		80	
570-1375-14	HA17-0.5	69		78	
570-1375-17	HA18-0.5	77	74	75	80
570-1375-20	HA19-0.5	78	78	83	90
570-1375-23	HA20-0.5	68	67	85	87
570-1375-26	HA21-0.5	79	77	81	83
570-1375-29	HA22-0.5	77	77	79	85
570-1375-30	HA22-0.5 DUP	70	69	80	88
570-1375-33	HA23-0.5	63	67	69	70
570-1375-36	HA27-0.5	67	65	73	74
LCS 570-4772/2-A	Lab Control Sample	82	84	95	94
MB 570-4772/1-A	Method Blank	90	90	89	90

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX1 (50-135)	DCB1 (50-135)
570-1375-45	EB2	87	71
LCS 570-4445/4-A	Lab Control Sample	86	71
LCSD 570-4445/5-A	Lab Control Sample Dup	85	70
MB 570-4445/1-A	Method Blank	93	89

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCB2 (50-135)	TCX2 (50-135)
570-1375-45	EB2	108	107
LCS 570-4445/2-A	Lab Control Sample	121	116
LCSD 570-4445/3-A	Lab Control Sample Dup	92	85
MB 570-4445/1-A	Method Blank	108	101

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

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

Lab Sample ID: MB 570-5069/8
Matrix: Solid
Analysis Batch: 5069

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg			07/13/19 20:36	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg			07/13/19 20:36	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			07/13/19 20:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg			07/13/19 20:36	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg			07/13/19 20:36	1
1,1-Dichloroethane	ND		1.0		ug/Kg			07/13/19 20:36	1
1,1-Dichloroethene	ND		1.0		ug/Kg			07/13/19 20:36	1
1,1-Dichloropropene	ND		2.0		ug/Kg			07/13/19 20:36	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg			07/13/19 20:36	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg			07/13/19 20:36	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg			07/13/19 20:36	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg			07/13/19 20:36	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			07/13/19 20:36	1
1,2-Dibromoethane	ND		1.0		ug/Kg			07/13/19 20:36	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg			07/13/19 20:36	1
1,2-Dichloroethane	ND		1.0		ug/Kg			07/13/19 20:36	1
1,2-Dichloropropane	ND		1.0		ug/Kg			07/13/19 20:36	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg			07/13/19 20:36	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg			07/13/19 20:36	1
1,3-Dichloropropane	ND		1.0		ug/Kg			07/13/19 20:36	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg			07/13/19 20:36	1
2,2-Dichloropropane	ND		5.0		ug/Kg			07/13/19 20:36	1
2-Butanone	ND		20		ug/Kg			07/13/19 20:36	1
1,4-Dioxane	ND		100		ug/Kg			07/13/19 20:36	1
2-Chlorotoluene	ND		1.0		ug/Kg			07/13/19 20:36	1
2-Hexanone	ND		20		ug/Kg			07/13/19 20:36	1
4-Chlorotoluene	ND		1.0		ug/Kg			07/13/19 20:36	1
4-Methyl-2-pentanone	ND		20		ug/Kg			07/13/19 20:36	1
Acetone	ND		50		ug/Kg			07/13/19 20:36	1
Benzene	ND		1.0		ug/Kg			07/13/19 20:36	1
Bromobenzene	ND		1.0		ug/Kg			07/13/19 20:36	1
Bromochloromethane	ND		2.0		ug/Kg			07/13/19 20:36	1
Bromodichloromethane	ND		1.0		ug/Kg			07/13/19 20:36	1
Bromoform	ND		5.0		ug/Kg			07/13/19 20:36	1
Bromomethane	ND		20		ug/Kg			07/13/19 20:36	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg			07/13/19 20:36	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg			07/13/19 20:36	1
Carbon disulfide	ND		10		ug/Kg			07/13/19 20:36	1
Carbon tetrachloride	ND		1.0		ug/Kg			07/13/19 20:36	1
Chlorobenzene	ND		1.0		ug/Kg			07/13/19 20:36	1
Chloroethane	ND		2.0		ug/Kg			07/13/19 20:36	1
Chloroform	ND		1.0		ug/Kg			07/13/19 20:36	1
Chloromethane	ND		20		ug/Kg			07/13/19 20:36	1
Dibromochloromethane	ND		2.0		ug/Kg			07/13/19 20:36	1
Dibromomethane	ND		1.0		ug/Kg			07/13/19 20:36	1
Dichlorodifluoromethane	ND		2.0		ug/Kg			07/13/19 20:36	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg			07/13/19 20:36	1
Ethanol	ND		500		ug/Kg			07/13/19 20:36	1

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

Lab Sample ID: MB 570-5069/8 **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5069

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	ug/Kg			07/13/19 20:36	1
Ethyl-t-butyl ether (ETBE)	ND		1.0	ug/Kg			07/13/19 20:36	1
Isopropylbenzene	ND		1.0	ug/Kg			07/13/19 20:36	1
Methylene Chloride	ND		10	ug/Kg			07/13/19 20:36	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0	ug/Kg			07/13/19 20:36	1
Naphthalene	ND		10	ug/Kg			07/13/19 20:36	1
n-Butylbenzene	ND		1.0	ug/Kg			07/13/19 20:36	1
N-Propylbenzene	ND		2.0	ug/Kg			07/13/19 20:36	1
o-Xylene	ND		1.0	ug/Kg			07/13/19 20:36	1
m,p-Xylene	ND		2.0	ug/Kg			07/13/19 20:36	1
p-Isopropyltoluene	ND		1.0	ug/Kg			07/13/19 20:36	1
sec-Butylbenzene	ND		1.0	ug/Kg			07/13/19 20:36	1
Styrene	ND		1.0	ug/Kg			07/13/19 20:36	1
trans-1,2-Dichloroethene	ND		1.0	ug/Kg			07/13/19 20:36	1
trans-1,3-Dichloropropene	ND		2.0	ug/Kg			07/13/19 20:36	1
Tert-amyl-methyl ether (TAME)	ND		1.0	ug/Kg			07/13/19 20:36	1
tert-Butyl alcohol (TBA)	ND		20	ug/Kg			07/13/19 20:36	1
tert-Butylbenzene	ND		1.0	ug/Kg			07/13/19 20:36	1
Tetrachloroethene	ND		1.0	ug/Kg			07/13/19 20:36	1
Toluene	ND		1.0	ug/Kg			07/13/19 20:36	1
Trichloroethene	ND		2.0	ug/Kg			07/13/19 20:36	1
Trichlorofluoromethane	ND		10	ug/Kg			07/13/19 20:36	1
Vinyl acetate	ND		10	ug/Kg			07/13/19 20:36	1
Vinyl chloride	ND		1.0	ug/Kg			07/13/19 20:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*71 - 155*		*07/13/19 20:36*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*07/13/19 20:36*	*1*
Dibromofluoromethane	*94*		*79 - 133*		*07/13/19 20:36*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/13/19 20:36*	*1*

Lab Sample ID: LCS 570-5069/4 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5069

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	52.30		ug/Kg		105	71 - 125
1,2-Dibromoethane	50.0	52.20		ug/Kg		104	80 - 120
1,2-Dichlorobenzene	50.0	56.63		ug/Kg		113	80 - 120
1,2-Dichloroethane	50.0	48.85		ug/Kg		98	79 - 121
1,4-Dioxane	500	562.9		ug/Kg		113	80 - 120
Benzene	50.0	53.23		ug/Kg		106	79 - 120
Carbon tetrachloride	50.0	49.00		ug/Kg		98	58 - 142
Chlorobenzene	50.0	52.36		ug/Kg		105	80 - 120
Di-isopropyl ether (DIPE)	50.0	51.96		ug/Kg		104	65 - 131
Ethanol	500	468.3	J	ug/Kg		94	32 - 158
Ethylbenzene	50.0	54.36		ug/Kg		109	57 - 153
Ethyl-t-butyl ether (ETBE)	50.0	55.88		ug/Kg		112	58 - 136

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

Lab Sample ID: LCS 570-5069/4 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5069

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl-t-Butyl Ether (MTBE)	50.0	56.54		ug/Kg		113	64 - 124
o-Xylene	50.0	53.41		ug/Kg		107	79 - 127
m,p-Xylene	100	107.0		ug/Kg		107	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*85*		*71 - 155*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane	*92*		*79 - 133*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 570-5069/5 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5069

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	50.0	51.98		ug/Kg		104	71 - 125	1	20
1,2-Dibromoethane	50.0	53.21		ug/Kg		106	80 - 120	2	20
1,2-Dichlorobenzene	50.0	57.77		ug/Kg		116	80 - 120	2	20
1,2-Dichloroethane	50.0	48.53		ug/Kg		97	79 - 121	1	20
1,4-Dioxane	500	554.2		ug/Kg		111	80 - 120	2	20
Benzene	50.0	52.99		ug/Kg		106	79 - 120	0	20
Carbon tetrachloride	50.0	49.01		ug/Kg		98	58 - 142	0	20
Chlorobenzene	50.0	53.36		ug/Kg		107	80 - 120	2	20
Di-isopropyl ether (DIPE)	50.0	52.12		ug/Kg		104	65 - 131	0	20
Ethanol	500	484.3	J	ug/Kg		97	32 - 158	3	27
Ethylbenzene	50.0	54.72		ug/Kg		109	57 - 153	1	20
Ethyl-t-butyl ether (ETBE)	50.0	56.25		ug/Kg		113	58 - 136	1	20
Methyl-t-Butyl Ether (MTBE)	50.0	57.12		ug/Kg		114	64 - 124	1	20
o-Xylene	50.0	53.26		ug/Kg		107	79 - 127	0	20
m,p-Xylene	100	107.2		ug/Kg		107	80 - 122	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*85*		*71 - 155*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane	*92*		*79 - 133*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCS 570-5144/4 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5144

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	47.51		ug/Kg		95	71 - 125
1,2-Dibromoethane	50.0	47.40		ug/Kg		95	80 - 120
1,2-Dichlorobenzene	50.0	47.80		ug/Kg		96	80 - 120
1,2-Dichloroethane	50.0	49.89		ug/Kg		100	79 - 121
1,4-Dioxane	500	454.3		ug/Kg		91	80 - 120
Benzene	50.0	46.97		ug/Kg		94	79 - 120

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

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

Lab Sample ID: LCS 570-5144/4
Matrix: Solid
Analysis Batch: 5144

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	50.0	49.31		ug/Kg		99	58 - 142
Chlorobenzene	50.0	46.13		ug/Kg		92	80 - 120
Di-isopropyl ether (DIPE)	50.0	46.61		ug/Kg		93	65 - 131
Ethanol	500	433.1	J	ug/Kg		87	32 - 158
Ethylbenzene	50.0	47.99		ug/Kg		96	57 - 153
Ethyl-t-butyl ether (ETBE)	50.0	46.70		ug/Kg		93	58 - 136
Methyl-t-Butyl Ether (MTBE)	50.0	44.28		ug/Kg		89	64 - 124
o-Xylene	50.0	48.07		ug/Kg		96	79 - 127
m,p-Xylene	100	96.92		ug/Kg		97	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*71 - 155*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane	*101*		*79 - 133*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: LCSD 570-5144/5
Matrix: Solid
Analysis Batch: 5144

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	50.0	46.71		ug/Kg		93	71 - 125	2	20
1,2-Dibromoethane	50.0	47.95		ug/Kg		96	80 - 120	1	20
1,2-Dichlorobenzene	50.0	47.76		ug/Kg		96	80 - 120	0	20
1,2-Dichloroethane	50.0	49.77		ug/Kg		100	79 - 121	0	20
1,4-Dioxane	500	476.5		ug/Kg		95	80 - 120	5	20
Benzene	50.0	46.38		ug/Kg		93	79 - 120	1	20
Carbon tetrachloride	50.0	48.72		ug/Kg		97	58 - 142	1	20
Chlorobenzene	50.0	45.65		ug/Kg		91	80 - 120	1	20
Di-isopropyl ether (DIPE)	50.0	46.21		ug/Kg		92	65 - 131	1	20
Ethanol	500	417.7	J	ug/Kg		84	32 - 158	4	27
Ethylbenzene	50.0	47.58		ug/Kg		95	57 - 153	1	20
Ethyl-t-butyl ether (ETBE)	50.0	45.72		ug/Kg		91	58 - 136	2	20
Methyl-t-Butyl Ether (MTBE)	50.0	44.27		ug/Kg		89	64 - 124	0	20
o-Xylene	50.0	47.23		ug/Kg		94	79 - 127	2	20
m,p-Xylene	100	95.63		ug/Kg		96	80 - 122	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*71 - 155*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*
Dibromofluoromethane	*101*		*79 - 133*
Toluene-d8 (Surr)	*102*		*80 - 120*

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

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

Lab Sample ID: MB 570-5207/1-A
Matrix: Solid
Analysis Batch: 5144

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5207

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1,1-Trichloroethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1,2,2-Tetrachloroethane	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1,2-Trichloroethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1-Dichloroethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1-Dichloroethene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1-Dichloropropene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2,3-Trichlorobenzene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2,3-Trichloropropane	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2,4-Trichlorobenzene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2,4-Trimethylbenzene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2-Dibromo-3-Chloropropane	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2-Dibromoethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2-Dichlorobenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2-Dichloroethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2-Dichloropropane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,3,5-Trimethylbenzene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,3-Dichlorobenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,3-Dichloropropane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,4-Dichlorobenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
2,2-Dichloropropane	ND		510		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
2-Butanone	ND		2000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,4-Dioxane	ND		10000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
2-Chlorotoluene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
2-Hexanone	ND		2000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
4-Chlorotoluene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
4-Methyl-2-pentanone	ND		2000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Acetone	ND		5100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Benzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Bromobenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Bromochloromethane	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Bromodichloromethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Bromoform	ND		510		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Bromomethane	ND		2000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
cis-1,2-Dichloroethene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
cis-1,3-Dichloropropene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Carbon disulfide	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Carbon tetrachloride	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Chlorobenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Chloroethane	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Chloroform	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Chloromethane	ND		2000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Dibromochloromethane	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Dibromomethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Dichlorodifluoromethane	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Di-isopropyl ether (DIPE)	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Ethanol	ND		51000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50

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

Lab Sample ID: MB 570-5207/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5144 **Prep Batch: 5207**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Ethyl-t-butyl ether (ETBE)	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Isopropylbenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Methylene Chloride	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Methyl-t-Butyl Ether (MTBE)	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Naphthalene	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
n-Butylbenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
N-Propylbenzene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
o-Xylene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
m,p-Xylene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
p-Isopropyltoluene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
sec-Butylbenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Styrene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
trans-1,2-Dichloroethene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
trans-1,3-Dichloropropene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Tert-amyl-methyl ether (TAME)	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
tert-Butyl alcohol (TBA)	ND		2000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
tert-Butylbenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Tetrachloroethene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Toluene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Trichloroethene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Trichlorofluoromethane	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Vinyl acetate	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Vinyl chloride	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*71 - 155*	*07/15/19 09:30*	*07/15/19 14:34*	*50*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*	*07/15/19 09:30*	*07/15/19 14:34*	*50*
Dibromofluoromethane	*102*		*79 - 133*	*07/15/19 09:30*	*07/15/19 14:34*	*50*
Toluene-d8 (Surr)	*103*		*80 - 120*	*07/15/19 09:30*	*07/15/19 14:34*	*50*

Lab Sample ID: MB 570-5209/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5144 **Prep Batch: 5209**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1-Dichloroethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1-Dichloroethene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1-Dichloropropene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1

QC Sample Results

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

Lab Sample ID: MB 570-5209/1-A
Matrix: Solid
Analysis Batch: 5144

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5209

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2-Dibromoethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2-Dichloroethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2-Dichloropropane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,3-Dichloropropane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
2,2-Dichloropropane	ND		5.1		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
2-Butanone	ND		20		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,4-Dioxane	ND		100		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
2-Chlorotoluene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
2-Hexanone	ND		20		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
4-Chlorotoluene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
4-Methyl-2-pentanone	ND		20		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Acetone	ND		51		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Benzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Bromobenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Bromochloromethane	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Bromodichloromethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Bromoform	ND		5.1		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Bromomethane	ND		20		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Carbon disulfide	ND		10		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Carbon tetrachloride	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Chlorobenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Chloroethane	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Chloroform	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Chloromethane	ND		20		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Dibromochloromethane	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Dibromomethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Ethanol	ND		510		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Ethylbenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Isopropylbenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Methylene Chloride	ND		10		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Naphthalene	ND		10		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
n-Butylbenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
N-Propylbenzene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
o-Xylene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
m,p-Xylene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
p-Isopropyltoluene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
sec-Butylbenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Styrene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1

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

Lab Sample ID: MB 570-5209/1-A
Matrix: Solid
Analysis Batch: 5144

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5209

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
tert-Butylbenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Tetrachloroethene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Toluene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Trichloroethene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Trichlorofluoromethane	ND		10		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Vinyl acetate	ND		10		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Vinyl chloride	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*71 - 155*	*07/15/19 13:33*	*07/15/19 14:09*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*	*07/15/19 13:33*	*07/15/19 14:09*	*1*
Dibromofluoromethane	*107*		*79 - 133*	*07/15/19 13:33*	*07/15/19 14:09*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*07/15/19 13:33*	*07/15/19 14:09*	*1*

Lab Sample ID: MB 570-5343/3-A
Matrix: Solid
Analysis Batch: 5355

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5343

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1-Dichloroethane	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1-Dichloroethene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1-Dichloropropene	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2-Dibromoethane	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2-Dichloroethane	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2-Dichloropropane	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,3-Dichloropropane	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
2,2-Dichloropropane	ND		5.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
2-Butanone	ND		20		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,4-Dioxane	ND		100		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
2-Chlorotoluene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1

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

Lab Sample ID: MB 570-5343/3-A
Matrix: Solid
Analysis Batch: 5355

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5343

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		20		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
4-Chlorotoluene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
4-Methyl-2-pentanone	ND		20		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Acetone	ND		50		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Benzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Bromobenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Bromochloromethane	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Bromodichloromethane	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Bromoform	ND		5.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Bromomethane	ND		20		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Carbon disulfide	ND		10		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Carbon tetrachloride	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Chlorobenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Chloroethane	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Chloroform	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Chloromethane	ND		20		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Dibromochloromethane	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Dibromomethane	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Ethanol	ND		500		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Ethylbenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Isopropylbenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Methylene Chloride	ND		10		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Naphthalene	ND		10		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
n-Butylbenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
N-Propylbenzene	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
o-Xylene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
m,p-Xylene	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
p-Isopropyltoluene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
sec-Butylbenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Styrene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
tert-Butylbenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Tetrachloroethene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Toluene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Trichloroethene	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Trichlorofluoromethane	ND		10		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Vinyl acetate	ND		10		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Vinyl chloride	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

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

Lab Sample ID: MB 570-5343/3-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5355 **Prep Batch: 5343**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		71 - 155	07/16/19 09:31	07/16/19 12:38	1
4-Bromofluorobenzene (Surr)	105		80 - 120	07/16/19 09:31	07/16/19 12:38	1
Dibromofluoromethane	107		79 - 133	07/16/19 09:31	07/16/19 12:38	1
Toluene-d8 (Surr)	100		80 - 120	07/16/19 09:31	07/16/19 12:38	1

Lab Sample ID: LCS 570-5343/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5355 **Prep Batch: 5343**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.2	49.55		ug/Kg		99	71 - 125
1,2-Dibromoethane	50.2	52.33		ug/Kg		104	80 - 120
1,2-Dichlorobenzene	50.2	53.66		ug/Kg		107	80 - 120
1,2-Dichloroethane	50.2	55.95		ug/Kg		111	79 - 121
1,4-Dioxane	502	436.9		ug/Kg		87	80 - 120
Benzene	50.2	51.20		ug/Kg		102	79 - 120
Carbon tetrachloride	50.2	59.62		ug/Kg		119	58 - 142
Chlorobenzene	50.2	53.28		ug/Kg		106	80 - 120
Di-isopropyl ether (DIPE)	50.2	53.50		ug/Kg		107	65 - 131
Ethanol	502	429.0	J	ug/Kg		85	32 - 158
Ethylbenzene	50.2	54.97		ug/Kg		110	57 - 153
Ethyl-t-butyl ether (ETBE)	50.2	49.44		ug/Kg		98	58 - 136
Methyl-t-Butyl Ether (MTBE)	50.2	43.31		ug/Kg		86	64 - 124
o-Xylene	50.2	55.56		ug/Kg		111	79 - 127
m,p-Xylene	100	110.4		ug/Kg		110	80 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	115		71 - 155
4-Bromofluorobenzene (Surr)	106		80 - 120
Dibromofluoromethane	106		79 - 133
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 570-5343/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5355 **Prep Batch: 5343**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	50.5	49.42		ug/Kg		98	71 - 125	0	20
1,2-Dibromoethane	50.5	52.85		ug/Kg		105	80 - 120	1	20
1,2-Dichlorobenzene	50.5	53.70		ug/Kg		106	80 - 120	0	20
1,2-Dichloroethane	50.5	55.38		ug/Kg		110	79 - 121	1	20
1,4-Dioxane	505	480.1		ug/Kg		95	80 - 120	9	20
Benzene	50.5	51.52		ug/Kg		102	79 - 120	1	20
Carbon tetrachloride	50.5	60.93		ug/Kg		121	58 - 142	2	20
Chlorobenzene	50.5	53.97		ug/Kg		107	80 - 120	1	20
Di-isopropyl ether (DIPE)	50.5	54.33		ug/Kg		108	65 - 131	2	20
Ethanol	505	455.4	J	ug/Kg		90	32 - 158	6	27
Ethylbenzene	50.5	55.52		ug/Kg		110	57 - 153	1	20

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

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

Lab Sample ID: LCSD 570-5343/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5355 **Prep Batch: 5343**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethyl-t-butyl ether (ETBE)	50.5	49.98		ug/Kg		99	58 - 136	1	20
Methyl-t-Butyl Ether (MTBE)	50.5	43.74		ug/Kg		87	64 - 124	1	20
o-Xylene	50.5	55.94		ug/Kg		111	79 - 127	1	20
m,p-Xylene	101	111.8		ug/Kg		111	80 - 122	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*116*		*71 - 155*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Dibromofluoromethane	*108*		*79 - 133*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 570-5345/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5355 **Prep Batch: 5345**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1,1-Trichloroethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1,2,2-Tetrachloroethane	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1,2-Trichloroethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1-Dichloroethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1-Dichloroethene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1-Dichloropropene	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2,3-Trichlorobenzene	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2,3-Trichloropropane	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2,4-Trichlorobenzene	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2,4-Trimethylbenzene	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2-Dibromo-3-Chloropropane	ND		1000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2-Dibromoethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2-Dichlorobenzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2-Dichloroethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2-Dichloropropane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,3,5-Trimethylbenzene	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,3-Dichlorobenzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,3-Dichloropropane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,4-Dichlorobenzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
2,2-Dichloropropane	ND		500	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
2-Butanone	ND		2000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,4-Dioxane	ND		10000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
2-Chlorotoluene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
2-Hexanone	ND		2000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
4-Chlorotoluene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
4-Methyl-2-pentanone	ND		2000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Acetone	ND		5000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Benzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Bromobenzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Bromochloromethane	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50

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

Lab Sample ID: MB 570-5345/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5355 **Prep Batch: 5345**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Bromoform	ND		500		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Bromomethane	ND		2000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
cis-1,2-Dichloroethene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
cis-1,3-Dichloropropene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Carbon disulfide	ND		1000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Carbon tetrachloride	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Chlorobenzene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Chloroethane	ND		200		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Chloroform	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Chloromethane	ND		2000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Dibromochloromethane	ND		200		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Dibromomethane	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Dichlorodifluoromethane	ND		200		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Di-isopropyl ether (DIPE)	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Ethanol	ND		50000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Ethylbenzene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Ethyl-t-butyl ether (ETBE)	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Isopropylbenzene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Methylene Chloride	ND		1000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Methyl-t-Butyl Ether (MTBE)	ND		200		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Naphthalene	ND		1000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
n-Butylbenzene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
N-Propylbenzene	ND		200		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
o-Xylene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
m,p-Xylene	ND		200		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
p-Isopropyltoluene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
sec-Butylbenzene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Styrene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
trans-1,2-Dichloroethene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
trans-1,3-Dichloropropene	ND		200		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Tert-amyl-methyl ether (TAME)	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
tert-Butyl alcohol (TBA)	ND		2000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
tert-Butylbenzene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Tetrachloroethene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Toluene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Trichloroethene	ND		200		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Trichlorofluoromethane	ND		1000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Vinyl acetate	ND		1000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Vinyl chloride	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*71 - 155*	*07/16/19 09:36*	*07/16/19 13:05*	*50*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*	*07/16/19 09:36*	*07/16/19 13:05*	*50*
Dibromofluoromethane	*103*		*79 - 133*	*07/16/19 09:36*	*07/16/19 13:05*	*50*
Toluene-d8 (Surr)	*101*		*80 - 120*	*07/16/19 09:36*	*07/16/19 13:05*	*50*

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

Lab Sample ID: MB 570-5489/9
Matrix: Water
Analysis Batch: 5489

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			07/16/19 18:35	1
1,1,1-Trichloroethane	ND		1.0		ug/L			07/16/19 18:35	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			07/16/19 18:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			07/16/19 18:35	1
1,1,2-Trichloroethane	ND		1.0		ug/L			07/16/19 18:35	1
1,1-Dichloroethane	ND		1.0		ug/L			07/16/19 18:35	1
1,1-Dichloroethene	ND		1.0		ug/L			07/16/19 18:35	1
1,1-Dichloropropene	ND		1.0		ug/L			07/16/19 18:35	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
1,2,3-Trichloropropane	ND		5.0		ug/L			07/16/19 18:35	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			07/16/19 18:35	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			07/16/19 18:35	1
1,2-Dibromoethane	ND		1.0		ug/L			07/16/19 18:35	1
1,2-Dichlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
1,2-Dichloroethane	ND		0.50		ug/L			07/16/19 18:35	1
1,2-Dichloropropane	ND		1.0		ug/L			07/16/19 18:35	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			07/16/19 18:35	1
1,3-Dichlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
1,3-Dichloropropane	ND		1.0		ug/L			07/16/19 18:35	1
1,4-Dichlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
2,2-Dichloropropane	ND		1.0		ug/L			07/16/19 18:35	1
2-Butanone	ND		20		ug/L			07/16/19 18:35	1
1,4-Dioxane	ND		100		ug/L			07/16/19 18:35	1
2-Chlorotoluene	ND		1.0		ug/L			07/16/19 18:35	1
2-Hexanone	ND		10		ug/L			07/16/19 18:35	1
4-Chlorotoluene	ND		1.0		ug/L			07/16/19 18:35	1
4-Methyl-2-pentanone	ND		10		ug/L			07/16/19 18:35	1
Acetone	ND		20		ug/L			07/16/19 18:35	1
Benzene	ND		1.0		ug/L			07/16/19 18:35	1
Bromobenzene	ND		1.0		ug/L			07/16/19 18:35	1
Bromochloromethane	ND		2.0		ug/L			07/16/19 18:35	1
Bromodichloromethane	ND		1.0		ug/L			07/16/19 18:35	1
Bromoform	ND		5.0		ug/L			07/16/19 18:35	1
Bromomethane	ND		50		ug/L			07/16/19 18:35	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			07/16/19 18:35	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			07/16/19 18:35	1
Carbon disulfide	ND		10		ug/L			07/16/19 18:35	1
Carbon tetrachloride	ND		0.50		ug/L			07/16/19 18:35	1
Chlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
Chloroethane	ND		5.0		ug/L			07/16/19 18:35	1
Chloroform	ND		1.0		ug/L			07/16/19 18:35	1
Chloromethane	ND		10		ug/L			07/16/19 18:35	1
Dibromochloromethane	ND		2.0		ug/L			07/16/19 18:35	1
Dibromomethane	ND		1.0		ug/L			07/16/19 18:35	1
Dichlorodifluoromethane	ND		5.0		ug/L			07/16/19 18:35	1
Di-isopropyl ether (DIPE)	ND		2.0		ug/L			07/16/19 18:35	1
Ethanol	ND		100		ug/L			07/16/19 18:35	1

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

Lab Sample ID: MB 570-5489/9
Matrix: Water
Analysis Batch: 5489

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	ug/L			07/16/19 18:35	1
Ethyl-t-butyl ether (ETBE)	ND		2.0	ug/L			07/16/19 18:35	1
Isopropylbenzene	ND		1.0	ug/L			07/16/19 18:35	1
Methylene Chloride	ND		10	ug/L			07/16/19 18:35	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0	ug/L			07/16/19 18:35	1
Naphthalene	ND		10	ug/L			07/16/19 18:35	1
n-Butylbenzene	ND		1.0	ug/L			07/16/19 18:35	1
N-Propylbenzene	ND		1.0	ug/L			07/16/19 18:35	1
o-Xylene	ND		1.0	ug/L			07/16/19 18:35	1
m,p-Xylene	ND		2.0	ug/L			07/16/19 18:35	1
p-Isopropyltoluene	ND		1.0	ug/L			07/16/19 18:35	1
sec-Butylbenzene	ND		1.0	ug/L			07/16/19 18:35	1
Styrene	ND		1.0	ug/L			07/16/19 18:35	1
trans-1,2-Dichloroethene	ND		1.0	ug/L			07/16/19 18:35	1
trans-1,3-Dichloropropene	ND		0.50	ug/L			07/16/19 18:35	1
Tert-amyl-methyl ether (TAME)	ND		2.0	ug/L			07/16/19 18:35	1
tert-Butyl alcohol (TBA)	ND		10	ug/L			07/16/19 18:35	1
tert-Butylbenzene	ND		1.0	ug/L			07/16/19 18:35	1
Tetrachloroethene	ND		1.0	ug/L			07/16/19 18:35	1
Toluene	ND		1.0	ug/L			07/16/19 18:35	1
Trichloroethene	ND		1.0	ug/L			07/16/19 18:35	1
Trichlorofluoromethane	ND		10	ug/L			07/16/19 18:35	1
Vinyl acetate	ND		10	ug/L			07/16/19 18:35	1
Vinyl chloride	ND		0.50	ug/L			07/16/19 18:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 129*		*07/16/19 18:35*	*1*
4-Bromofluorobenzene (Surr)	*95*		*77 - 120*		*07/16/19 18:35*	*1*
Dibromofluoromethane	*100*		*80 - 128*		*07/16/19 18:35*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/16/19 18:35*	*1*

Lab Sample ID: LCS 570-5489/4
Matrix: Water
Analysis Batch: 5489

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	50.0	47.66		ug/L		95	64 - 136
1,2-Dibromoethane	50.0	51.24		ug/L		102	80 - 120
1,2-Dichlorobenzene	50.0	49.71		ug/L		99	80 - 120
1,2-Dichloroethane	50.0	50.63		ug/L		101	75 - 123
1,4-Dioxane	500	489.5		ug/L		98	64 - 130
Benzene	50.0	49.85		ug/L		100	78 - 120
Carbon tetrachloride	50.0	52.73		ug/L		105	67 - 139
Chlorobenzene	50.0	49.57		ug/L		99	80 - 120
Di-isopropyl ether (DIPE)	50.0	46.74		ug/L		93	72 - 132
Ethanol	500	462.6		ug/L		93	56 - 150
Ethylbenzene	50.0	51.58		ug/L		103	80 - 120
Ethyl-t-butyl ether (ETBE)	50.0	44.54		ug/L		89	74 - 122

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

Lab Sample ID: LCS 570-5489/4
Matrix: Water
Analysis Batch: 5489
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl-t-Butyl Ether (MTBE)	50.0	41.33		ug/L		83	77 - 120
o-Xylene	50.0	50.76		ug/L		102	80 - 125
m,p-Xylene	100	111.8		ug/L		112	80 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 129*
4-Bromofluorobenzene (Surr)	*103*		*77 - 120*
Dibromofluoromethane	*97*		*80 - 128*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 570-5489/5
Matrix: Water
Analysis Batch: 5489
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	50.0	48.71		ug/L		97	64 - 136	2	30
1,2-Dibromoethane	50.0	50.51		ug/L		101	80 - 120	1	30
1,2-Dichlorobenzene	50.0	49.55		ug/L		99	80 - 120	0	20
1,2-Dichloroethane	50.0	50.30		ug/L		101	75 - 123	1	24
1,4-Dioxane	500	527.5		ug/L		106	64 - 130	7	30
Benzene	50.0	49.94		ug/L		100	78 - 120	0	21
Carbon tetrachloride	50.0	53.89		ug/L		108	67 - 139	2	30
Chlorobenzene	50.0	49.28		ug/L		99	80 - 120	1	20
Di-isopropyl ether (DIPE)	50.0	47.07		ug/L		94	72 - 132	1	29
Ethanol	500	498.8		ug/L		100	56 - 150	8	30
Ethylbenzene	50.0	52.26		ug/L		105	80 - 120	1	20
Ethyl-t-butyl ether (ETBE)	50.0	44.76		ug/L		90	74 - 122	0	27
Methyl-t-Butyl Ether (MTBE)	50.0	41.84		ug/L		84	77 - 120	1	24
o-Xylene	50.0	51.49		ug/L		103	80 - 125	1	20
m,p-Xylene	100	112.4		ug/L		112	80 - 125	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 129*
4-Bromofluorobenzene (Surr)	*103*		*77 - 120*
Dibromofluoromethane	*100*		*80 - 128*
Toluene-d8 (Surr)	*98*		*80 - 120*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-4949/1-A
Matrix: Water
Analysis Batch: 5257
Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4949

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	ug/L		07/13/19 09:41	07/15/19 19:00	1
1,2-Dichlorobenzene	ND		10	ug/L		07/13/19 09:41	07/15/19 19:00	1
1,3-Dichlorobenzene	ND		10	ug/L		07/13/19 09:41	07/15/19 19:00	1
1,4-Dichlorobenzene	ND		10	ug/L		07/13/19 09:41	07/15/19 19:00	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-4949/1-A
Matrix: Water
Analysis Batch: 5257

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4949

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4,5-Trichlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4,6-Trichlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4-Dichlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4-Dimethylphenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4-Dinitrophenol	ND		50		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4-Dinitrotoluene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,6-Dichlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,6-Dinitrotoluene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Chloronaphthalene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Chlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Methylnaphthalene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Methylphenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Nitroaniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Nitrophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
3,3'-Dichlorobenzidine	ND		25		ug/L		07/13/19 09:41	07/15/19 19:00	1
3 & 4 Methylphenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
3-Nitroaniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4,6-Dinitro-2-methylphenol	ND		50		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Bromophenyl phenyl ether	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Chloro-3-methylphenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Chloroaniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Chlorophenyl phenyl ether	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Nitroaniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Nitrophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Acenaphthene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Acenaphthylene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Aniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Anthracene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Azobenzene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzidine	ND		50		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[a]anthracene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[a]pyrene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[b]fluoranthene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[g,h,i]perylene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[k]fluoranthene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzoic acid	ND		50		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzyl alcohol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Bis(2-chloroethoxy)methane	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Bis(2-chloroethyl)ether	ND		25		ug/L		07/13/19 09:41	07/15/19 19:00	1
Bis(2-ethylhexyl) phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Butyl benzyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Chrysene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Dibenz(a,h)anthracene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Dibenzofuran	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Diethyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Dimethyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Di-n-butyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Di-n-octyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-4949/1-A
Matrix: Water
Analysis Batch: 5257

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4949

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Fluorene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Hexachloro-1,3-butadiene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Hexachlorobenzene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Hexachlorocyclopentadiene	ND		25		ug/L		07/13/19 09:41	07/15/19 19:00	1
Hexachloroethane	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Isophorone	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Naphthalene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Nitrobenzene	ND		25		ug/L		07/13/19 09:41	07/15/19 19:00	1
N-Nitrosodimethylamine	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
N-Nitrosodi-n-propylamine	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
N-Nitrosodiphenylamine	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Pentachlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Phenanthrene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Phenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Pyrene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Pyridine	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
bis (2-Chloroisopropyl) ether	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*32 - 143*	*07/13/19 09:41*	*07/15/19 19:00*	*1*
2-Fluorobiphenyl (Surr)	*86*		*45 - 120*	*07/13/19 09:41*	*07/15/19 19:00*	*1*
2-Fluorophenol (Surr)	*58*		*15 - 138*	*07/13/19 09:41*	*07/15/19 19:00*	*1*
Nitrobenzene-d5 (Surr)	*82*		*56 - 123*	*07/13/19 09:41*	*07/15/19 19:00*	*1*
p-Terphenyl-d14 (Surr)	*113*		*46 - 133*	*07/13/19 09:41*	*07/15/19 19:00*	*1*
Phenol-d6 (Surr)	*36*		*17 - 141*	*07/13/19 09:41*	*07/15/19 19:00*	*1*

Lab Sample ID: LCS 570-4949/2-A
Matrix: Water
Analysis Batch: 5257

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4949

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	200	166.3		ug/L		83	49 - 120
1,4-Dichlorobenzene	200	163.0		ug/L		81	30 - 100
2,4-Dinitrotoluene	200	182.7		ug/L		91	50 - 120
2-Chlorophenol	200	175.7		ug/L		88	35 - 105
4-Chloro-3-methylphenol	200	169.4		ug/L		85	45 - 110
4-Nitrophenol	200	87.05		ug/L		44	20 - 150
Acenaphthene	200	174.8		ug/L		87	45 - 110
Acenaphthylene	200	196.7		ug/L		98	50 - 105
Butyl benzyl phthalate	200	173.4		ug/L		87	45 - 115
Dimethyl phthalate	200	180.2		ug/L		90	25 - 125
Fluorene	200	176.8		ug/L		88	50 - 110
Naphthalene	200	161.5		ug/L		81	40 - 100
N-Nitrosodi-n-propylamine	200	176.7		ug/L		88	35 - 130
Pentachlorophenol	200	143.9		ug/L		72	40 - 115
Phenol	200	88.46		ug/L		44	10 - 115

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-4949/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5257 **Prep Batch: 4949**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pyrene	200	176.5		ug/L		88	50 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*86*		*32 - 143*
2-Fluorobiphenyl (Surr)	*90*		*45 - 120*
2-Fluorophenol (Surr)	*65*		*15 - 138*
Nitrobenzene-d5 (Surr)	*88*		*56 - 123*
p-Terphenyl-d14 (Surr)	*95*		*46 - 133*
Phenol-d6 (Surr)	*43*		*17 - 141*

Lab Sample ID: LCSD 570-4949/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5257 **Prep Batch: 4949**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	200	137.1		ug/L		69	49 - 120	19	20
1,4-Dichlorobenzene	200	137.8		ug/L		69	30 - 100	17	26
2,4-Dinitrotoluene	200	150.0		ug/L		75	50 - 120	20	36
2-Chlorophenol	200	148.2		ug/L		74	35 - 105	17	18
4-Chloro-3-methylphenol	200	137.3		ug/L		69	45 - 110	21	40
4-Nitrophenol	200	66.57		ug/L		33	20 - 150	27	40
Acenaphthene	200	143.8		ug/L		72	45 - 110	19	20
Acenaphthylene	200	161.0		ug/L		81	50 - 105	20	20
Butyl benzyl phthalate	200	145.8		ug/L		73	45 - 115	17	20
Dimethyl phthalate	200	149.0		ug/L		74	25 - 125	19	20
Fluorene	200	144.4		ug/L		72	50 - 110	20	20
Naphthalene	200	135.4		ug/L		68	40 - 100	18	20
N-Nitrosodi-n-propylamine	200	144.8		ug/L		72	35 - 130	20	20
Pentachlorophenol	200	118.3		ug/L		59	40 - 115	20	40
Phenol	200	72.61		ug/L		36	10 - 115	20	23
Pyrene	200	152.4		ug/L		76	50 - 130	15	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*66*		*32 - 143*
2-Fluorobiphenyl (Surr)	*73*		*45 - 120*
2-Fluorophenol (Surr)	*51*		*15 - 138*
Nitrobenzene-d5 (Surr)	*69*		*56 - 123*
p-Terphenyl-d14 (Surr)	*77*		*46 - 133*
Phenol-d6 (Surr)	*33*		*17 - 141*

Lab Sample ID: MB 570-5032/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5363 **Prep Batch: 5032**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	mg/Kg		07/13/19 15:17	07/16/19 11:49	1
1,2-Dichlorobenzene	ND		0.50	mg/Kg		07/13/19 15:17	07/16/19 11:49	1
1,3-Dichlorobenzene	ND		0.50	mg/Kg		07/13/19 15:17	07/16/19 11:49	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-5032/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5363 **Prep Batch: 5032**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
1-Methylnaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2,4,5-Trichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2,4,6-Trichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2,4-Dichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2,4-Dinitrotoluene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2-Chlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2-Methylnaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2-Methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2-Nitrophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
3 & 4 Methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
3-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
4-Bromophenyl phenyl ether	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
4-Chloro-3-methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
4-Chloroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
4-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
4-Nitrophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Acenaphthene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Acenaphthylene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Aniline	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Azobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Benzidine	ND		5.0		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Benzoic acid	ND		2.5		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Benzyl alcohol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Chrysene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Dibenzofuran	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Diethyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Dimethyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-5032/1-A
Matrix: Solid
Analysis Batch: 5363

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5032

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Fluorene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Hexachlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Hexachloroethane	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Isophorone	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Naphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Nitrobenzene	ND		2.0		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Pentachlorophenol	ND		2.5		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Phenanthrene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Phenol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Pyridine	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*18 - 138*	*07/13/19 15:17*	*07/16/19 11:49*	*1*
2-Fluorobiphenyl (Surr)	*98*		*27 - 120*	*07/13/19 15:17*	*07/16/19 11:49*	*1*
2-Fluorophenol (Surr)	*92*		*25 - 120*	*07/13/19 15:17*	*07/16/19 11:49*	*1*
Nitrobenzene-d5 (Surr)	*93*		*33 - 123*	*07/13/19 15:17*	*07/16/19 11:49*	*1*
p-Terphenyl-d14 (Surr)	*107*		*27 - 159*	*07/13/19 15:17*	*07/16/19 11:49*	*1*
Phenol-d6 (Surr)	*95*		*26 - 122*	*07/13/19 15:17*	*07/16/19 11:49*	*1*

Lab Sample ID: LCS 570-5032/2-A
Matrix: Solid
Analysis Batch: 5363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5032

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	10.0	7.294		mg/Kg		73	45 - 129
1,4-Dichlorobenzene	10.0	7.167		mg/Kg		72	42 - 132
2,4-Dinitrotoluene	10.0	9.043		mg/Kg		90	51 - 129
2-Chlorophenol	10.0	8.098		mg/Kg		81	58 - 124
4-Chloro-3-methylphenol	10.0	6.926		mg/Kg		69	55 - 151
4-Nitrophenol	10.0	6.094		mg/Kg		61	24 - 126
Acenaphthene	10.0	7.182		mg/Kg		72	51 - 123
Acenaphthylene	10.0	8.223		mg/Kg		82	52 - 120
Butyl benzyl phthalate	10.0	10.21		mg/Kg		102	43 - 139
Dimethyl phthalate	10.0	7.703		mg/Kg		77	51 - 123
Fluorene	10.0	7.117		mg/Kg		71	54 - 126
Naphthalene	10.0	7.207		mg/Kg		72	32 - 146
N-Nitrosodi-n-propylamine	10.0	7.470		mg/Kg		75	40 - 136
Pentachlorophenol	10.0	4.179		mg/Kg		42	23 - 131

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-5032/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5363 **Prep Batch: 5032**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Phenol			10.0	7.949		mg/Kg		79	40 - 130		
Pyrene			10.0	9.659		mg/Kg		97	47 - 143		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*84*		*18 - 138*
2-Fluorobiphenyl (Surr)	*81*		*27 - 120*
2-Fluorophenol (Surr)	*81*		*25 - 120*
Nitrobenzene-d5 (Surr)	*76*		*33 - 123*
p-Terphenyl-d14 (Surr)	*108*		*27 - 159*
Phenol-d6 (Surr)	*84*		*26 - 122*

Lab Sample ID: 570-1375-4 MS **Client Sample ID: HA6-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5696 **Prep Batch: 5032**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,2,4-Trichlorobenzene	ND		10.0	7.578		mg/Kg		76	56 - 120		
1,4-Dichlorobenzene	ND		10.0	6.942		mg/Kg		69	43 - 120		
2,4-Dinitrotoluene	ND		10.0	8.980		mg/Kg		90	28 - 120		
2-Chlorophenol	ND		10.0	8.531		mg/Kg		85	53 - 120		
4-Chloro-3-methylphenol	ND		10.0	7.968		mg/Kg		80	32 - 120		
4-Nitrophenol	ND		10.0	7.362		mg/Kg		74	14 - 128		
Acenaphthene	ND		10.0	7.648		mg/Kg		76	34 - 148		
Acenaphthylene	ND		10.0	8.620		mg/Kg		86	53 - 120		
Butyl benzyl phthalate	ND		10.0	9.198		mg/Kg		92	15 - 189		
Dimethyl phthalate	0.88		10.0	8.520		mg/Kg		76	44 - 122		
Fluorene	ND		10.0	7.633		mg/Kg		76	12 - 186		
Naphthalene	ND		10.0	7.465		mg/Kg		75	20 - 140		
N-Nitrosodi-n-propylamine	ND		10.0	7.982		mg/Kg		80	38 - 140		
Pentachlorophenol	ND		10.0	6.354		mg/Kg		64	10 - 124		
Phenol	ND		10.0	8.636		mg/Kg		86	22 - 124		
Pyrene	ND		10.0	9.504		mg/Kg		95	31 - 169		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*96*		*18 - 138*
2-Fluorobiphenyl (Surr)	*78*		*27 - 120*
2-Fluorophenol (Surr)	*77*		*25 - 120*
Nitrobenzene-d5 (Surr)	*65*		*33 - 123*
p-Terphenyl-d14 (Surr)	*100*		*27 - 159*
Phenol-d6 (Surr)	*85*		*26 - 122*

Lab Sample ID: 570-1375-4 MSD **Client Sample ID: HA6-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5696 **Prep Batch: 5032**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		9.90	7.166		mg/Kg		72	56 - 120	6	20
1,4-Dichlorobenzene	ND		9.90	6.667		mg/Kg		67	43 - 120	4	26

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-1375-4 MSD **Client Sample ID: HA6-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5696 **Prep Batch: 5032**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrotoluene	ND		9.90	8.530		mg/Kg		86	28 - 120	5	20
2-Chlorophenol	ND		9.90	8.348		mg/Kg		84	53 - 120	2	20
4-Chloro-3-methylphenol	ND		9.90	7.673		mg/Kg		77	32 - 120	4	20
4-Nitrophenol	ND		9.90	6.989		mg/Kg		71	14 - 128	5	59
Acenaphthene	ND		9.90	7.329		mg/Kg		74	34 - 148	4	20
Acenaphthylene	ND		9.90	8.273		mg/Kg		84	53 - 120	4	20
Butyl benzyl phthalate	ND		9.90	8.582		mg/Kg		87	15 - 189	7	20
Dimethyl phthalate	0.88		9.90	8.278		mg/Kg		75	44 - 122	3	20
Fluorene	ND		9.90	7.323		mg/Kg		74	12 - 186	4	20
Naphthalene	ND		9.90	7.130		mg/Kg		72	20 - 140	5	20
N-Nitrosodi-n-propylamine	ND		9.90	7.585		mg/Kg		77	38 - 140	5	20
Pentachlorophenol	ND		9.90	5.963		mg/Kg		60	10 - 124	6	20
Phenol	ND		9.90	8.320		mg/Kg		84	22 - 124	4	20
Pyrene	ND		9.90	8.699		mg/Kg		88	31 - 169	9	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*90*		*18 - 138*
2-Fluorobiphenyl (Surr)	*75*		*27 - 120*
2-Fluorophenol (Surr)	*75*		*25 - 120*
Nitrobenzene-d5 (Surr)	*63*		*33 - 123*
p-Terphenyl-d14 (Surr)	*93*		*27 - 159*
Phenol-d6 (Surr)	*82*		*26 - 122*

Lab Sample ID: MB 570-6519/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7026 **Prep Batch: 6519**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
1,2-Dichlorobenzene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
1,3-Dichlorobenzene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
1,4-Dichlorobenzene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
1-Methylnaphthalene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2,4,5-Trichlorophenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2,4,6-Trichlorophenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2,4-Dichlorophenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2,4-Dinitrotoluene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2-Chlorophenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2-Methylnaphthalene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2-Methylphenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2-Nitroaniline	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2-Nitrophenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 13:35	1

QC Sample Results

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-6519/1-A
Matrix: Solid
Analysis Batch: 7026

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 6519

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
3-Nitroaniline	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
4-Bromophenyl phenyl ether	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
4-Chloro-3-methylphenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
4-Chloroaniline	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
4-Nitroaniline	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
4-Nitrophenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Acenaphthene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Acenaphthylene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Aniline	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Anthracene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Azobenzene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Benzidine	ND		5.0		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Benzoic acid	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Benzyl alcohol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Chrysene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Dibenzofuran	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Diethyl phthalate	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Dimethyl phthalate	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Fluoranthene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Fluorene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Hexachlorobenzene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Hexachloroethane	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Isophorone	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Naphthalene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Nitrobenzene	ND		2.0		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Pentachlorophenol	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Phenanthrene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Phenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-6519/1-A
Matrix: Solid
Analysis Batch: 7026

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 6519

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Pyridine	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*124*		*18 - 138*	*07/20/19 09:40*	*07/23/19 13:35*	*1*
2-Fluorobiphenyl (Surr)	*109*		*27 - 120*	*07/20/19 09:40*	*07/23/19 13:35*	*1*
2-Fluorophenol (Surr)	*102*		*25 - 120*	*07/20/19 09:40*	*07/23/19 13:35*	*1*
Nitrobenzene-d5 (Surr)	*101*		*33 - 123*	*07/20/19 09:40*	*07/23/19 13:35*	*1*
p-Terphenyl-d14 (Surr)	*120*		*27 - 159*	*07/20/19 09:40*	*07/23/19 13:35*	*1*
Phenol-d6 (Surr)	*105*		*26 - 122*	*07/20/19 09:40*	*07/23/19 13:35*	*1*

Lab Sample ID: LCS 570-6519/2-A
Matrix: Solid
Analysis Batch: 7026

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 6519

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	10.0	8.305		mg/Kg		83	45 - 129
1,4-Dichlorobenzene	10.0	7.317		mg/Kg		73	42 - 132
2,4-Dinitrotoluene	10.0	9.857		mg/Kg		99	51 - 129
2-Chlorophenol	10.0	8.769		mg/Kg		88	58 - 124
4-Chloro-3-methylphenol	10.0	8.116		mg/Kg		81	55 - 151
4-Nitrophenol	10.0	7.066		mg/Kg		71	24 - 126
Acenaphthene	10.0	8.223		mg/Kg		82	51 - 123
Acenaphthylene	10.0	9.449		mg/Kg		94	52 - 120
Butyl benzyl phthalate	10.0	10.15		mg/Kg		102	43 - 139
Dimethyl phthalate	10.0	8.633		mg/Kg		86	51 - 123
Fluorene	10.0	8.013		mg/Kg		80	54 - 126
Naphthalene	10.0	7.966		mg/Kg		80	32 - 146
N-Nitrosodi-n-propylamine	10.0	7.809		mg/Kg		78	40 - 136
Pentachlorophenol	10.0	4.219		mg/Kg		42	23 - 131
Phenol	10.0	8.563		mg/Kg		86	40 - 130
Pyrene	10.0	9.518		mg/Kg		95	47 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*92*		*18 - 138*
2-Fluorobiphenyl (Surr)	*89*		*27 - 120*
2-Fluorophenol (Surr)	*83*		*25 - 120*
Nitrobenzene-d5 (Surr)	*81*		*33 - 123*
p-Terphenyl-d14 (Surr)	*105*		*27 - 159*
Phenol-d6 (Surr)	*87*		*26 - 122*

Lab Sample ID: 570-1231-C-10-A MS
Matrix: Solid
Analysis Batch: 7026

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 6519

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		9.96	6.950		mg/Kg		70	56 - 120

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-1231-C-10-A MS
Matrix: Solid
Analysis Batch: 7026

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 6519

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	ND		9.96	6.212		mg/Kg		62	43 - 120
2,4-Dinitrotoluene	ND		9.96	8.021		mg/Kg		81	28 - 120
2-Chlorophenol	ND		9.96	7.513		mg/Kg		75	53 - 120
4-Chloro-3-methylphenol	ND		9.96	7.151		mg/Kg		72	32 - 120
4-Nitrophenol	ND		9.96	5.545		mg/Kg		56	14 - 128
Acenaphthene	ND		9.96	6.837		mg/Kg		69	34 - 148
Acenaphthylene	ND		9.96	7.889		mg/Kg		79	53 - 120
Butyl benzyl phthalate	ND		9.96	7.942		mg/Kg		80	15 - 189
Dimethyl phthalate	0.78		9.96	7.586		mg/Kg		68	44 - 122
Fluorene	ND		9.96	6.705		mg/Kg		67	12 - 186
Naphthalene	ND		9.96	6.815		mg/Kg		68	20 - 140
N-Nitrosodi-n-propylamine	ND		9.96	6.829		mg/Kg		69	38 - 140
Pentachlorophenol	ND		9.96	ND		mg/Kg		23	10 - 124
Phenol	ND		9.96	7.477		mg/Kg		75	22 - 124
Pyrene	ND		9.96	8.093		mg/Kg		81	31 - 169

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*78*		*18 - 138*
2-Fluorobiphenyl (Surr)	*72*		*27 - 120*
2-Fluorophenol (Surr)	*71*		*25 - 120*
Nitrobenzene-d5 (Surr)	*68*		*33 - 123*
p-Terphenyl-d14 (Surr)	*83*		*27 - 159*
Phenol-d6 (Surr)	*73*		*26 - 122*

Lab Sample ID: 570-1231-C-10-B MSD
Matrix: Solid
Analysis Batch: 7026

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 6519

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		9.83	6.674		mg/Kg		68	56 - 120	4	20
1,4-Dichlorobenzene	ND		9.83	6.051		mg/Kg		62	43 - 120	3	26
2,4-Dinitrotoluene	ND		9.83	7.706		mg/Kg		78	28 - 120	4	20
2-Chlorophenol	ND		9.83	7.425		mg/Kg		76	53 - 120	1	20
4-Chloro-3-methylphenol	ND		9.83	6.867		mg/Kg		70	32 - 120	4	20
4-Nitrophenol	ND		9.83	5.287		mg/Kg		54	14 - 128	5	59
Acenaphthene	ND		9.83	6.540		mg/Kg		67	34 - 148	4	20
Acenaphthylene	ND		9.83	7.513		mg/Kg		76	53 - 120	5	20
Butyl benzyl phthalate	ND		9.83	7.699		mg/Kg		78	15 - 189	3	20
Dimethyl phthalate	0.78		9.83	7.288		mg/Kg		66	44 - 122	4	20
Fluorene	ND		9.83	6.585		mg/Kg		67	12 - 186	2	20
Naphthalene	ND		9.83	6.577		mg/Kg		67	20 - 140	4	20
N-Nitrosodi-n-propylamine	ND		9.83	6.744		mg/Kg		69	38 - 140	1	20
Pentachlorophenol	ND		9.83	ND		mg/Kg		21	10 - 124	8	20
Phenol	ND		9.83	7.390		mg/Kg		75	22 - 124	1	20
Pyrene	ND		9.83	7.754		mg/Kg		79	31 - 169	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*75*		*18 - 138*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-1231-C-10-B MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7026 **Prep Batch: 6519**

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*70*		*27 - 120*
2-Fluorophenol (Surr)	*71*		*25 - 120*
Nitrobenzene-d5 (Surr)	*66*		*33 - 123*
p-Terphenyl-d14 (Surr)	*81*		*27 - 159*
Phenol-d6 (Surr)	*74*		*26 - 122*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: 570-1231-A-21-F MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4959 **Prep Batch: 4907**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	ND		1.98	2.042		mg/Kg		103	48 - 114

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*42 - 126*

Lab Sample ID: 570-1231-A-21-G MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4959 **Prep Batch: 4907**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	ND		2.03	2.066		mg/Kg		102	48 - 114	1	23

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*42 - 126*

Lab Sample ID: MB 570-4929/3-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4959 **Prep Batch: 4929**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/12/19 20:57	07/13/19 13:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*42 - 126*	*07/12/19 20:57*	*07/13/19 13:48*	*1*

Lab Sample ID: LCS 570-4929/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4959 **Prep Batch: 4929**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	1.97	2.285		mg/Kg		116	70 - 124

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCS 570-4929/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4959 **Prep Batch: 4929**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*102*		*42 - 126*

Lab Sample ID: LCSD 570-4929/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4959 **Prep Batch: 4929**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	2.04	2.395		mg/Kg		118	70 - 124	5	18

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*104*		*42 - 126*

Lab Sample ID: MB 570-5013/3-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5151 **Prep Batch: 5013**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10	mg/Kg		07/13/19 13:11	07/15/19 13:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*90*		*42 - 126*	*07/13/19 13:11*	*07/15/19 13:10*	*1*

Lab Sample ID: LCS 570-5013/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5151 **Prep Batch: 5013**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	1.99	2.051		mg/Kg		103	70 - 124

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*109*		*42 - 126*

Lab Sample ID: LCSD 570-5013/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5151 **Prep Batch: 5013**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	2.03	2.232		mg/Kg		110	70 - 124	8	18

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*111*		*42 - 126*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: 570-1583-B-1-B MS
Matrix: Solid
Analysis Batch: 5151

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 5013

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	ND	F1 F2	2.04	1.498		mg/Kg		74	48 - 114

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*42 - 126*

Lab Sample ID: MB 570-5167/1-A
Matrix: Solid
Analysis Batch: 5404

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5167

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/15/19 11:27	07/16/19 15:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*42 - 126*	*07/15/19 11:27*	*07/16/19 15:40*	*1*

Lab Sample ID: LCS 570-5167/2-A
Matrix: Solid
Analysis Batch: 5404

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5167

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	1.99	2.272		mg/Kg		114	70 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*42 - 126*

Lab Sample ID: LCSD 570-5167/3-A
Matrix: Solid
Analysis Batch: 5404

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5167

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	1.99	2.266		mg/Kg		114	70 - 124	0	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*42 - 126*

Lab Sample ID: 570-1583-G-1-A MSD
Matrix: Solid
Analysis Batch: 5151

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 5167

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	ND	F1 F2	1.97	1.320		mg/Kg		67	48 - 114	13	23

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*42 - 126*

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: 570-1643-A-3-E MS
Matrix: Solid
Analysis Batch: 5404

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 5167

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	ND		2.04	2.211		mg/Kg		109	48 - 114

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*42 - 126*

Lab Sample ID: 570-1643-A-3-F MSD
Matrix: Solid
Analysis Batch: 5404

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 5167

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	ND		2.00	2.117		mg/Kg		106	48 - 114	4	23

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*42 - 126*

Lab Sample ID: MB 570-5180/1-A
Matrix: Solid
Analysis Batch: 5151

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5180

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		4.0		mg/Kg		07/15/19 12:24	07/15/19 13:43	20

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*42 - 126*	*07/15/19 12:24*	*07/15/19 13:43*	*20*

Lab Sample ID: MB 570-5775/6
Matrix: Water
Analysis Batch: 5775

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		50		ug/L			07/17/19 19:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*38 - 134*		*07/17/19 19:08*	*1*

Lab Sample ID: LCS 570-5775/3
Matrix: Water
Analysis Batch: 5775

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	2000	2049		ug/L		102	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*38 - 134*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCSD 570-5775/4 **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5775

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			2000	2109		ug/L		105	78 - 120	3	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*38 - 134*

Lab Sample ID: 570-1798-F-2 MS **Client Sample ID: Matrix Spike**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5775

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	ND		2000	2133		ug/L		107	68 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*38 - 134*

Lab Sample ID: 570-1798-F-2 MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5775

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	ND		2000	1994		ug/L		100	68 - 122	7	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*38 - 134*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-4610/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5651 **Prep Batch: 4610**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C13-C14	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C15-C16	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C17-C18	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C19-C20	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C21-C22	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C23-C24	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C25-C28	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C29-C32	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C33-C36	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C37-C40	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C41-C44	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C9-C10	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C6 as C6	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 570-4610/1-A
Matrix: Water
Analysis Batch: 5651

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4610

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C7 as C7	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C8 as C8	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*101*		*68 - 140*	*07/11/19 16:05*	*07/17/19 16:56*	*1*

Lab Sample ID: LCS 570-4610/2-A
Matrix: Water
Analysis Batch: 5651

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4610

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			2000	1992		ug/L		100	69 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*100*		*68 - 140*

Lab Sample ID: LCSD 570-4610/3-A
Matrix: Water
Analysis Batch: 5651

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4610

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			2000	2262		ug/L		113	69 - 123	13	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*114*		*68 - 140*

Lab Sample ID: 570-1452-D-7-A MS
Matrix: Water
Analysis Batch: 5651

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 4610

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	4100		1960	5828		ug/L		91	55 - 133		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*104*		*68 - 140*

Lab Sample ID: 570-1452-D-7-B MSD
Matrix: Water
Analysis Batch: 5651

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 4610

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	4100		2000	5336		ug/L		64	55 - 133	9	30

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 570-1452-D-7-B MSD
Matrix: Water
Analysis Batch: 5651

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 4610

Surrogate	MSD %Recovery	MSD Qualifier	Limits
n-Octacosane (Surr)	*101*		*68 - 140*

Lab Sample ID: MB 570-4861/1-A
Matrix: Solid
Analysis Batch: 5169

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4861

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C13-C14	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C15-C16	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C17-C18	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C19-C20	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C21-C22	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C23-C24	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C25-C28	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C29-C32	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C33-C36	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C37-C40	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C41-C44	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C9-C10	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C6 as C6	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C7 as C7	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C8 as C8	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	*81*		*61 - 145*	*07/12/19 16:32*	*07/15/19 12:56*	*1*

Lab Sample ID: LCS 570-4861/2-A
Matrix: Solid
Analysis Batch: 5169

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4861

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]			400	433.8		mg/Kg		108	67 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	*89*		*61 - 145*

Lab Sample ID: 570-1375-1 MS
Matrix: Solid
Analysis Batch: 5169

Client Sample ID: HA1-0.5
Prep Type: Total/NA
Prep Batch: 4861

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	ND		400	468.2		mg/Kg		117	33 - 153

Surrogate	MS %Recovery	MS Qualifier	Limits
n-Octacosane (Surr)	*105*		*61 - 145*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: 570-1375-1 MSD
Matrix: Solid
Analysis Batch: 5169

Client Sample ID: HA1-0.5
Prep Type: Total/NA
Prep Batch: 4861

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		400	441.4		mg/Kg		110	33 - 153	6	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*91*		*61 - 145*

Lab Sample ID: MB 570-4902/1-A
Matrix: Solid
Analysis Batch: 5176

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4902

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C13-C14	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C15-C16	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C17-C18	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C19-C20	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C21-C22	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C23-C24	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C25-C28	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C29-C32	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C33-C36	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C37-C40	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C41-C44	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C9-C10	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C6 as C6	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C7 as C7	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C8 as C8	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*103*		*61 - 145*	*07/12/19 19:29*	*07/15/19 14:55*	*1*

Lab Sample ID: LCS 570-4902/14-A
Matrix: Solid
Analysis Batch: 5176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4902

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*100*		*61 - 145*

Lab Sample ID: LCS 570-4902/2-A
Matrix: Solid
Analysis Batch: 5176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4902

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	400	425.8		mg/Kg		106	67 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*100*		*61 - 145*

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: 570-1375-14 MS **Client Sample ID: HA17-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5176 **Prep Batch: 4902**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	ND		399	396.5		mg/Kg		99	33 - 153		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*94*		*61 - 145*

Lab Sample ID: 570-1375-14 MSD **Client Sample ID: HA17-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5176 **Prep Batch: 4902**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		397	401.0		mg/Kg		101	33 - 153	1	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*101*		*61 - 145*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 570-4445/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 4963 **Prep Batch: 4445**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050		ug/L		07/11/19 09:51	07/13/19 12:13	1
4,4'-DDE	ND		0.020		ug/L		07/11/19 09:51	07/13/19 12:13	1
4,4'-DDT	ND		0.050		ug/L		07/11/19 09:51	07/13/19 12:13	1
Aldrin	ND		0.050		ug/L		07/11/19 09:51	07/13/19 12:13	1
alpha-BHC	ND		0.020		ug/L		07/11/19 09:51	07/13/19 12:13	1
beta-BHC	ND		0.020		ug/L		07/11/19 09:51	07/13/19 12:13	1
Chlordane	ND		0.10		ug/L		07/11/19 09:51	07/13/19 12:13	1
delta-BHC	ND		0.020		ug/L		07/11/19 09:51	07/13/19 12:13	1
Dieldrin	ND		0.050		ug/L		07/11/19 09:51	07/13/19 12:13	1
Endosulfan I	ND		0.050		ug/L		07/11/19 09:51	07/13/19 12:13	1
Endosulfan II	ND		0.050		ug/L		07/11/19 09:51	07/13/19 12:13	1
Endosulfan sulfate	ND		0.050		ug/L		07/11/19 09:51	07/13/19 12:13	1
Endrin	ND		0.020		ug/L		07/11/19 09:51	07/13/19 12:13	1
Endrin aldehyde	ND		0.10		ug/L		07/11/19 09:51	07/13/19 12:13	1
Endrin ketone	ND		0.050		ug/L		07/11/19 09:51	07/13/19 12:13	1
gamma-BHC	ND		0.020		ug/L		07/11/19 09:51	07/13/19 12:13	1
Heptachlor	ND		0.020		ug/L		07/11/19 09:51	07/13/19 12:13	1
Heptachlor epoxide	ND		0.020		ug/L		07/11/19 09:51	07/13/19 12:13	1
Methoxychlor	ND		0.050		ug/L		07/11/19 09:51	07/13/19 12:13	1
Toxaphene	ND		0.30		ug/L		07/11/19 09:51	07/13/19 12:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*50 - 135*	*07/11/19 09:51*	*07/13/19 12:13*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*50 - 135*	*07/11/19 09:51*	*07/13/19 12:13*	*1*

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 570-4445/4-A
Matrix: Water
Analysis Batch: 4963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.250	0.2184		ug/L		87	50 - 135
4,4'-DDE	0.250	0.2278		ug/L		91	50 - 135
4,4'-DDT	0.250	0.2124		ug/L		85	50 - 135
Aldrin	0.250	0.1963		ug/L		79	50 - 135
alpha-BHC	0.250	0.2471		ug/L		99	50 - 135
beta-BHC	0.250	0.2099		ug/L		84	50 - 135
delta-BHC	0.250	0.2066		ug/L		83	50 - 135
Dieldrin	0.250	0.2072		ug/L		83	50 - 135
Endosulfan I	0.250	0.1985		ug/L		79	50 - 135
Endosulfan II	0.250	0.2004		ug/L		80	50 - 135
Endosulfan sulfate	0.250	0.1972		ug/L		79	50 - 135
Endrin	0.250	0.2102		ug/L		84	50 - 135
Endrin aldehyde	0.250	0.1790		ug/L		72	50 - 135
gamma-BHC	0.250	0.2177		ug/L		87	50 - 135
Heptachlor	0.250	0.1974		ug/L		79	50 - 135
Heptachlor epoxide	0.250	0.2078		ug/L		83	50 - 135
Methoxychlor	0.250	0.1983		ug/L		79	50 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*86*		*50 - 135*
DCB Decachlorobiphenyl (Surr)	*71*		*50 - 135*

Lab Sample ID: LCSD 570-4445/5-A
Matrix: Water
Analysis Batch: 4963

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4445

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.250	0.2135		ug/L		85	50 - 135	2	25
4,4'-DDE	0.250	0.2255		ug/L		90	50 - 135	1	25
4,4'-DDT	0.250	0.2110		ug/L		84	50 - 135	1	25
Aldrin	0.250	0.2037		ug/L		81	50 - 135	4	25
alpha-BHC	0.250	0.2912		ug/L		116	50 - 135	16	25
beta-BHC	0.250	0.2107		ug/L		84	50 - 135	0	25
delta-BHC	0.250	0.2069		ug/L		83	50 - 135	0	25
Dieldrin	0.250	0.2094		ug/L		84	50 - 135	1	25
Endosulfan I	0.250	0.2024		ug/L		81	50 - 135	2	25
Endosulfan II	0.250	0.2023		ug/L		81	50 - 135	1	25
Endosulfan sulfate	0.250	0.1966		ug/L		79	50 - 135	0	25
Endrin	0.250	0.2107		ug/L		84	50 - 135	0	25
Endrin aldehyde	0.250	0.1834		ug/L		73	50 - 135	2	25
gamma-BHC	0.250	0.2200		ug/L		88	50 - 135	1	25
Heptachlor	0.250	0.2008		ug/L		80	50 - 135	2	25
Heptachlor epoxide	0.250	0.2079		ug/L		83	50 - 135	0	25
Methoxychlor	0.250	0.1901		ug/L		76	50 - 135	4	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*85*		*50 - 135*
DCB Decachlorobiphenyl (Surr)	*70*		*50 - 135*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 570-4772/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5371 **Prep Batch: 4772**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
4,4'-DDE	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
4,4'-DDT	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Aldrin	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
alpha-BHC	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
beta-BHC	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Chlordane	ND		25	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
delta-BHC	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Dieldrin	ND		1.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Endosulfan I	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Endosulfan II	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Endosulfan sulfate	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Endrin	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Endrin aldehyde	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Endrin ketone	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
gamma-BHC	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Heptachlor	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Heptachlor epoxide	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Methoxychlor	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Toxaphene	ND		25	ug/Kg		07/12/19 12:06	07/16/19 15:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*90*		*25 - 145*	*07/12/19 12:06*	*07/16/19 15:19*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*24 - 168*	*07/12/19 12:06*	*07/16/19 15:19*	*1*

Lab Sample ID: LCS 570-4772/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5371 **Prep Batch: 4772**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	25.0	25.21		ug/Kg		101	50 - 135
4,4'-DDE	25.0	24.18		ug/Kg		97	50 - 135
4,4'-DDT	25.0	23.37		ug/Kg		93	50 - 135
Aldrin	25.0	21.05		ug/Kg		84	50 - 135
alpha-BHC	25.0	21.06		ug/Kg		84	50 - 135
beta-BHC	25.0	21.71		ug/Kg		87	50 - 135
delta-BHC	25.0	22.63		ug/Kg		91	50 - 135
Dieldrin	25.0	22.64		ug/Kg		91	50 - 135
Endosulfan I	25.0	21.39		ug/Kg		86	50 - 135
Endosulfan II	25.0	23.06		ug/Kg		92	50 - 135
Endosulfan sulfate	25.0	23.78		ug/Kg		95	50 - 135
Endrin	25.0	23.46		ug/Kg		94	50 - 135
Endrin aldehyde	25.0	15.74		ug/Kg		63	50 - 135
gamma-BHC	25.0	21.73		ug/Kg		87	50 - 135
Heptachlor	25.0	21.26		ug/Kg		85	50 - 135
Heptachlor epoxide	25.0	21.43		ug/Kg		86	50 - 135
Methoxychlor	25.0	24.40		ug/Kg		98	50 - 135

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 570-4772/2-A
Matrix: Solid
Analysis Batch: 5371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4772

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*82*		*25 - 145*
DCB Decachlorobiphenyl (Surr)	*95*		*24 - 168*

Lab Sample ID: 570-1375-1 MS
Matrix: Solid
Analysis Batch: 5371

Client Sample ID: HA1-0.5
Prep Type: Total/NA
Prep Batch: 4772

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		24.8	28.48		ug/Kg		115	50 - 135
4,4'-DDE	ND		24.8	27.17		ug/Kg		100	50 - 135
4,4'-DDT	ND		24.8	20.19		ug/Kg		82	50 - 135
Aldrin	ND		24.8	20.15		ug/Kg		81	50 - 135
alpha-BHC	ND		24.8	18.88		ug/Kg		76	50 - 135
beta-BHC	ND		24.8	22.03		ug/Kg		89	50 - 135
delta-BHC	ND		24.8	21.62		ug/Kg		87	50 - 135
Dieldrin	ND		24.8	21.40		ug/Kg		86	50 - 135
Endosulfan I	ND		24.8	20.82		ug/Kg		84	50 - 135
Endosulfan II	ND		24.8	21.54		ug/Kg		87	50 - 135
Endosulfan sulfate	ND		24.8	21.68		ug/Kg		88	50 - 135
Endrin	ND		24.8	23.48		ug/Kg		95	50 - 135
Endrin aldehyde	ND		24.8	16.20		ug/Kg		65	50 - 135
gamma-BHC	ND		24.8	21.86		ug/Kg		88	50 - 135
Heptachlor	ND		24.8	22.85		ug/Kg		92	50 - 135
Heptachlor epoxide	ND		24.8	20.87		ug/Kg		84	50 - 135
Methoxychlor	ND		24.8	21.61		ug/Kg		87	50 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*68*		*25 - 145*
DCB Decachlorobiphenyl (Surr)	*86*	*p*	*24 - 168*

Lab Sample ID: 570-1375-1 MSD
Matrix: Solid
Analysis Batch: 5371

Client Sample ID: HA1-0.5
Prep Type: Total/NA
Prep Batch: 4772

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		24.8	27.77		ug/Kg		112	50 - 135	3	25
4,4'-DDE	ND		24.8	25.91		ug/Kg		94	50 - 135	5	25
4,4'-DDT	ND		24.8	16.20		ug/Kg		65	50 - 135	22	25
Aldrin	ND		24.8	19.60		ug/Kg		79	50 - 135	3	25
alpha-BHC	ND		24.8	18.25		ug/Kg		74	50 - 135	3	25
beta-BHC	ND		24.8	19.29		ug/Kg		78	50 - 135	13	25
delta-BHC	ND		24.8	19.93		ug/Kg		80	50 - 135	8	25
Dieldrin	ND		24.8	20.86		ug/Kg		84	50 - 135	3	25
Endosulfan I	ND		24.8	20.32		ug/Kg		82	50 - 135	2	25
Endosulfan II	ND		24.8	20.64		ug/Kg		83	50 - 135	4	25
Endosulfan sulfate	ND		24.8	20.16		ug/Kg		81	50 - 135	7	25
Endrin	ND		24.8	22.72		ug/Kg		92	50 - 135	3	25
Endrin aldehyde	ND		24.8	15.89		ug/Kg		64	50 - 135	2	25

QC Sample Results

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 570-1375-1 MSD
Matrix: Solid
Analysis Batch: 5371

Client Sample ID: HA1-0.5
Prep Type: Total/NA
Prep Batch: 4772

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
gamma-BHC	ND		24.8	19.91		ug/Kg		80	50 - 135	9	25
Heptachlor	ND		24.8	20.99		ug/Kg		85	50 - 135	8	25
Heptachlor epoxide	ND		24.8	19.86		ug/Kg		80	50 - 135	5	25
Methoxychlor	ND		24.8	17.69		ug/Kg		71	50 - 135	20	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*81*	*p*	*24 - 168*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 570-4445/1-A
Matrix: Water
Analysis Batch: 5073

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4445

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50		ug/L		07/11/19 09:51	07/14/19 14:45	1
PCB-1221	ND		0.50		ug/L		07/11/19 09:51	07/14/19 14:45	1
PCB-1232	ND		0.50		ug/L		07/11/19 09:51	07/14/19 14:45	1
PCB-1242	ND		0.50		ug/L		07/11/19 09:51	07/14/19 14:45	1
PCB-1248	ND		0.50		ug/L		07/11/19 09:51	07/14/19 14:45	1
PCB-1254	ND		0.50		ug/L		07/11/19 09:51	07/14/19 14:45	1
PCB-1260	ND		0.50		ug/L		07/11/19 09:51	07/14/19 14:45	1
PCB-1262	ND		0.50		ug/L		07/11/19 09:51	07/14/19 14:45	1
PCB-1268	ND		0.50		ug/L		07/11/19 09:51	07/14/19 14:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*108*		*50 - 135*	*07/11/19 09:51*	*07/14/19 14:45*	*1*
Tetrachloro-m-xylene	*101*		*50 - 135*	*07/11/19 09:51*	*07/14/19 14:45*	*1*

Lab Sample ID: LCS 570-4445/2-A
Matrix: Water
Analysis Batch: 5073

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.00	1.462	*	ug/L		146	50 - 135
PCB-1260	1.00	1.160		ug/L		116	50 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*121*		*50 - 135*
Tetrachloro-m-xylene	*116*		*50 - 135*

Lab Sample ID: LCSD 570-4445/3-A
Matrix: Water
Analysis Batch: 5073

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4445

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	1.00	1.158		ug/L		116	50 - 135	23	25
PCB-1260	1.00	0.9632		ug/L		96	50 - 135	19	25

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 570-4445/3-A
Matrix: Water
Analysis Batch: 5073

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4445

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*92*		*50 - 135*
Tetrachloro-m-xylene	*85*		*50 - 135*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-4860/1-A
Matrix: Solid
Analysis Batch: 6760

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4860

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.498		mg/Kg		07/12/19 16:32	07/21/19 14:22	1

Lab Sample ID: LCS 570-4860/2-A
Matrix: Solid
Analysis Batch: 6760

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4860

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			25.1	25.62		mg/Kg		102	80 - 120		

Lab Sample ID: LCSD 570-4860/3-A
Matrix: Solid
Analysis Batch: 6760

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4860

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			25.8	25.85		mg/Kg		100	80 - 120	1	20

Lab Sample ID: 570-1375-33 MS
Matrix: Solid
Analysis Batch: 6760

Client Sample ID: HA23-0.5
Prep Type: Total/NA
Prep Batch: 4860

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	24.7		24.9	51.98		mg/Kg		110	75 - 125		

Lab Sample ID: 570-1375-33 MSD
Matrix: Solid
Analysis Batch: 6760

Client Sample ID: HA23-0.5
Prep Type: Total/NA
Prep Batch: 4860

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	24.7		25.6	53.52		mg/Kg		112	75 - 125	3	20

Lab Sample ID: MB 570-6619/1-A
Matrix: Water
Analysis Batch: 7360

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 6619

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0500		mg/L		07/15/19 15:00	07/23/19 21:54	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 570-6619/2-A
Matrix: Water
Analysis Batch: 7360

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 6619

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.500	0.5333		mg/L		107	80 - 120

Lab Sample ID: LCSD 570-6619/3-A
Matrix: Water
Analysis Batch: 7360

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 6619

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	0.500	0.5377		mg/L		108	80 - 120	1	20

Lab Sample ID: 570-1313-L-1-F MS
Matrix: Water
Analysis Batch: 7360

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 6619

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	ND	F1	0.500	0.6327	F1	mg/L		123	84 - 120

Lab Sample ID: 570-1313-L-1-G MSD
Matrix: Water
Analysis Batch: 7360

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 6619

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND	F1	0.500	0.6099		mg/L		119	84 - 120	4	7

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 570-4854/1-A ^20
Matrix: Solid
Analysis Batch: 6792

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4854

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.985		mg/Kg		07/12/19 16:18	07/21/19 11:00	20

Lab Sample ID: LCS 570-4854/2-A ^20
Matrix: Solid
Analysis Batch: 6792

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4854

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	25.6	26.59		mg/Kg		104	80 - 120

Lab Sample ID: LCSD 570-4854/3-A ^20
Matrix: Solid
Analysis Batch: 6792

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4854

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	25.1	26.76		mg/Kg		106	80 - 120	1	20

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: 570-1375-33 MS **Client Sample ID: HA23-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 6792 **Prep Batch: 4854**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	4.78		25.5	28.74		mg/Kg		94	72 - 132

Lab Sample ID: 570-1375-33 MSD **Client Sample ID: HA23-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 6792 **Prep Batch: 4854**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	4.78		24.5	27.83		mg/Kg		94	72 - 132	3	13

Lab Sample ID: MB 570-5571/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 6299 **Prep Batch: 5571**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00100	mg/L		07/16/19 15:00	07/18/19 18:32	1

Lab Sample ID: LCS 570-5571/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 6299 **Prep Batch: 5571**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.100	0.1038		mg/L		104	80 - 120

Lab Sample ID: LCSD 570-5571/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 6299 **Prep Batch: 5571**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.100	0.1007		mg/L		101	80 - 120	3	20

Lab Sample ID: 570-1648-J-1-C MS ^5 **Client Sample ID: Matrix Spike**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 6299 **Prep Batch: 5571**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND	F1 F2	0.100	0.06591	F1	mg/L		66	73 - 127

Lab Sample ID: 570-1648-J-1-D MSD ^5 **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 6299 **Prep Batch: 5571**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND	F1 F2	0.600	0.05116	F1 F4	mg/L		9	73 - 127	25	11

QC Association Summary

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

GC/MS VOA

Prep Batch: 4764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-1	HA1-0.5	Total/NA	Solid	5035	
570-1375-4	HA6-0.5	Total/NA	Solid	5035	
570-1375-5	HA6-0.5 DUP	Total/NA	Solid	5035	
570-1375-8	HA15-0.5	Total/NA	Solid	5035	
570-1375-11	HA16-0.5	Total/NA	Solid	5035	
570-1375-14	HA17-0.5	Total/NA	Solid	5035	
570-1375-17	HA18-0.5	Total/NA	Solid	5035	
570-1375-20	HA19-0.5	Total/NA	Solid	5035	
570-1375-23	HA20-0.5	Total/NA	Solid	5035	
570-1375-26	HA21-0.5	Total/NA	Solid	5035	
570-1375-29	HA22-0.5	Total/NA	Solid	5035	
570-1375-30	HA22-0.5 DUP	Total/NA	Solid	5035	
570-1375-33	HA23-0.5	Total/NA	Solid	5035	
570-1375-36	HA27-0.5	Total/NA	Solid	5035	

Analysis Batch: 5069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-1	HA1-0.5	Total/NA	Solid	8260B	4764
570-1375-4	HA6-0.5	Total/NA	Solid	8260B	4764
570-1375-5	HA6-0.5 DUP	Total/NA	Solid	8260B	4764
570-1375-8	HA15-0.5	Total/NA	Solid	8260B	4764
570-1375-11	HA16-0.5	Total/NA	Solid	8260B	4764
570-1375-14	HA17-0.5	Total/NA	Solid	8260B	4764
570-1375-17	HA18-0.5	Total/NA	Solid	8260B	4764
570-1375-20	HA19-0.5	Total/NA	Solid	8260B	4764
570-1375-23	HA20-0.5	Total/NA	Solid	8260B	4764
570-1375-26	HA21-0.5	Total/NA	Solid	8260B	4764
MB 570-5069/8	Method Blank	Total/NA	Solid	8260B	
LCS 570-5069/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-5069/5	Lab Control Sample Dup	Total/NA	Solid	8260B	

Analysis Batch: 5144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-33	HA23-0.5	Total/NA	Solid	8260B	4764
570-1375-36	HA27-0.5	Total/NA	Solid	8260B	4764
MB 570-5207/1-A	Method Blank	Total/NA	Solid	8260B	5207
MB 570-5209/1-A	Method Blank	Total/NA	Solid	8260B	5209
LCS 570-5144/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-5144/5	Lab Control Sample Dup	Total/NA	Solid	8260B	

Prep Batch: 5207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-5207/1-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 5209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-5209/1-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 5343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-5343/3-A	Method Blank	Total/NA	Solid	5035	

GC/MS VOA (Continued)

Prep Batch: 5343 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-5343/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 570-5343/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 5345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-5345/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 5355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-29	HA22-0.5	Total/NA	Solid	8260B	4764
570-1375-30	HA22-0.5 DUP	Total/NA	Solid	8260B	4764
MB 570-5343/3-A	Method Blank	Total/NA	Solid	8260B	5343
MB 570-5345/1-A	Method Blank	Total/NA	Solid	8260B	5345
LCS 570-5343/1-A	Lab Control Sample	Total/NA	Solid	8260B	5343
LCSD 570-5343/2-A	Lab Control Sample Dup	Total/NA	Solid	8260B	5343

Analysis Batch: 5489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-45	EB2	Total/NA	Water	8260B	
MB 570-5489/9	Method Blank	Total/NA	Water	8260B	
LCS 570-5489/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-5489/5	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 4949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-45	EB2	Total/NA	Water	3510C	
MB 570-4949/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-4949/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-4949/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 5032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-1	HA1-0.5	Total/NA	Solid	3545	
570-1375-4	HA6-0.5	Total/NA	Solid	3545	
570-1375-5	HA6-0.5 DUP	Total/NA	Solid	3545	
570-1375-8	HA15-0.5	Total/NA	Solid	3545	
570-1375-11	HA16-0.5	Total/NA	Solid	3545	
570-1375-14	HA17-0.5	Total/NA	Solid	3545	
570-1375-17	HA18-0.5	Total/NA	Solid	3545	
570-1375-20	HA19-0.5	Total/NA	Solid	3545	
570-1375-23	HA20-0.5	Total/NA	Solid	3545	
570-1375-26	HA21-0.5	Total/NA	Solid	3545	
570-1375-29	HA22-0.5	Total/NA	Solid	3545	
570-1375-30	HA22-0.5 DUP	Total/NA	Solid	3545	
570-1375-33	HA23-0.5	Total/NA	Solid	3545	
MB 570-5032/1-A	Method Blank	Total/NA	Solid	3545	
LCS 570-5032/2-A	Lab Control Sample	Total/NA	Solid	3545	
570-1375-4 MS	HA6-0.5	Total/NA	Solid	3545	
570-1375-4 MSD	HA6-0.5	Total/NA	Solid	3545	

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Analysis Batch: 5257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-45	EB2	Total/NA	Water	8270C	4949
MB 570-4949/1-A	Method Blank	Total/NA	Water	8270C	4949
LCS 570-4949/2-A	Lab Control Sample	Total/NA	Water	8270C	4949
LCSD 570-4949/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	4949

Analysis Batch: 5363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-5032/1-A	Method Blank	Total/NA	Solid	8270C	5032
LCS 570-5032/2-A	Lab Control Sample	Total/NA	Solid	8270C	5032

Analysis Batch: 5696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-1	HA1-0.5	Total/NA	Solid	8270C	5032
570-1375-4	HA6-0.5	Total/NA	Solid	8270C	5032
570-1375-5	HA6-0.5 DUP	Total/NA	Solid	8270C	5032
570-1375-8	HA15-0.5	Total/NA	Solid	8270C	5032
570-1375-11	HA16-0.5	Total/NA	Solid	8270C	5032
570-1375-14	HA17-0.5	Total/NA	Solid	8270C	5032
570-1375-17	HA18-0.5	Total/NA	Solid	8270C	5032
570-1375-20	HA19-0.5	Total/NA	Solid	8270C	5032
570-1375-23	HA20-0.5	Total/NA	Solid	8270C	5032
570-1375-26	HA21-0.5	Total/NA	Solid	8270C	5032
570-1375-29	HA22-0.5	Total/NA	Solid	8270C	5032
570-1375-30	HA22-0.5 DUP	Total/NA	Solid	8270C	5032
570-1375-33	HA23-0.5	Total/NA	Solid	8270C	5032
570-1375-4 MS	HA6-0.5	Total/NA	Solid	8270C	5032
570-1375-4 MSD	HA6-0.5	Total/NA	Solid	8270C	5032

Prep Batch: 6519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-36	HA27-0.5	Total/NA	Solid	3545	
MB 570-6519/1-A	Method Blank	Total/NA	Solid	3545	
LCS 570-6519/2-A	Lab Control Sample	Total/NA	Solid	3545	
570-1231-C-10-A MS	Matrix Spike	Total/NA	Solid	3545	
570-1231-C-10-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3545	

Analysis Batch: 7026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-36	HA27-0.5	Total/NA	Solid	8270C	6519
MB 570-6519/1-A	Method Blank	Total/NA	Solid	8270C	6519
LCS 570-6519/2-A	Lab Control Sample	Total/NA	Solid	8270C	6519
570-1231-C-10-A MS	Matrix Spike	Total/NA	Solid	8270C	6519
570-1231-C-10-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270C	6519

GC VOA

Prep Batch: 4907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1231-A-21-F MS	Matrix Spike	Total/NA	Solid	5030C	
570-1231-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5030C	

GC VOA

Prep Batch: 4929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-1	HA1-0.5	Total/NA	Solid	5030C	
570-1375-4	HA6-0.5	Total/NA	Solid	5030C	
570-1375-5	HA6-0.5 DUP	Total/NA	Solid	5030C	
570-1375-8	HA15-0.5	Total/NA	Solid	5030C	
570-1375-11	HA16-0.5	Total/NA	Solid	5030C	
570-1375-14	HA17-0.5	Total/NA	Solid	5030C	
570-1375-17	HA18-0.5	Total/NA	Solid	5030C	
570-1375-20	HA19-0.5	Total/NA	Solid	5030C	
570-1375-23	HA20-0.5	Total/NA	Solid	5030C	
570-1375-26	HA21-0.5	Total/NA	Solid	5030C	
570-1375-29	HA22-0.5	Total/NA	Solid	5030C	
570-1375-30	HA22-0.5 DUP	Total/NA	Solid	5030C	
570-1375-36	HA27-0.5	Total/NA	Solid	5030C	
MB 570-4929/3-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-4929/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-4929/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	

Analysis Batch: 4959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-1	HA1-0.5	Total/NA	Solid	8015B	4929
570-1375-4	HA6-0.5	Total/NA	Solid	8015B	4929
570-1375-5	HA6-0.5 DUP	Total/NA	Solid	8015B	4929
570-1375-8	HA15-0.5	Total/NA	Solid	8015B	4929
570-1375-11	HA16-0.5	Total/NA	Solid	8015B	4929
570-1375-14	HA17-0.5	Total/NA	Solid	8015B	4929
570-1375-17	HA18-0.5	Total/NA	Solid	8015B	4929
570-1375-20	HA19-0.5	Total/NA	Solid	8015B	4929
MB 570-4929/3-A	Method Blank	Total/NA	Solid	8015B	4929
LCS 570-4929/1-A	Lab Control Sample	Total/NA	Solid	8015B	4929
LCSD 570-4929/2-A	Lab Control Sample Dup	Total/NA	Solid	8015B	4929
570-1231-A-21-F MS	Matrix Spike	Total/NA	Solid	8015B	4907
570-1231-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	4907

Prep Batch: 5013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-33	HA23-0.5	Total/NA	Solid	5030C	
MB 570-5013/3-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-5013/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-5013/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
570-1583-B-1-B MS	Matrix Spike	Total/NA	Solid	5030C	

Analysis Batch: 5151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-33	HA23-0.5	Total/NA	Solid	8015B	5013
MB 570-5013/3-A	Method Blank	Total/NA	Solid	8015B	5013
MB 570-5180/1-A	Method Blank	Total/NA	Solid	8015B	5180
LCS 570-5013/1-A	Lab Control Sample	Total/NA	Solid	8015B	5013
LCSD 570-5013/2-A	Lab Control Sample Dup	Total/NA	Solid	8015B	5013
570-1583-B-1-B MS	Matrix Spike	Total/NA	Solid	8015B	5013
570-1583-G-1-A MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	5167

GC VOA

Prep Batch: 5167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-5167/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-5167/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-5167/3-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
570-1583-G-1-A MSD	Matrix Spike Duplicate	Total/NA	Solid	5030C	
570-1643-A-3-E MS	Matrix Spike	Total/NA	Solid	5030C	
570-1643-A-3-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5030C	

Prep Batch: 5180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-5180/1-A	Method Blank	Total/NA	Solid	5030C	

Analysis Batch: 5404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-23	HA20-0.5	Total/NA	Solid	8015B	4929
570-1375-26	HA21-0.5	Total/NA	Solid	8015B	4929
570-1375-29	HA22-0.5	Total/NA	Solid	8015B	4929
570-1375-30	HA22-0.5 DUP	Total/NA	Solid	8015B	4929
570-1375-36	HA27-0.5	Total/NA	Solid	8015B	4929
MB 570-5167/1-A	Method Blank	Total/NA	Solid	8015B	5167
LCS 570-5167/2-A	Lab Control Sample	Total/NA	Solid	8015B	5167
LCSD 570-5167/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	5167
570-1643-A-3-E MS	Matrix Spike	Total/NA	Solid	8015B	5167
570-1643-A-3-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	5167

Analysis Batch: 5775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-45	EB2	Total/NA	Water	8015B	
MB 570-5775/6	Method Blank	Total/NA	Water	8015B	
LCS 570-5775/3	Lab Control Sample	Total/NA	Water	8015B	
LCSD 570-5775/4	Lab Control Sample Dup	Total/NA	Water	8015B	
570-1798-F-2 MS	Matrix Spike	Total/NA	Water	8015B	
570-1798-F-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	

GC Semi VOA

Prep Batch: 4445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-45	EB2	Total/NA	Water	3510C	
MB 570-4445/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-4445/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 570-4445/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-4445/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 570-4445/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 4610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-45	EB2	Total/NA	Water	3510C	
MB 570-4610/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-4610/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-4610/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
570-1452-D-7-A MS	Matrix Spike	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 4610 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1452-D-7-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Prep Batch: 4772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-1	HA1-0.5	Total/NA	Solid	3545	
570-1375-4	HA6-0.5	Total/NA	Solid	3545	
570-1375-5	HA6-0.5 DUP	Total/NA	Solid	3545	
570-1375-8	HA15-0.5	Total/NA	Solid	3545	
570-1375-11	HA16-0.5	Total/NA	Solid	3545	
570-1375-14	HA17-0.5	Total/NA	Solid	3545	
570-1375-17	HA18-0.5	Total/NA	Solid	3545	
570-1375-20	HA19-0.5	Total/NA	Solid	3545	
570-1375-23	HA20-0.5	Total/NA	Solid	3545	
570-1375-26	HA21-0.5	Total/NA	Solid	3545	
570-1375-29	HA22-0.5	Total/NA	Solid	3545	
570-1375-30	HA22-0.5 DUP	Total/NA	Solid	3545	
570-1375-33	HA23-0.5	Total/NA	Solid	3545	
570-1375-36	HA27-0.5	Total/NA	Solid	3545	
MB 570-4772/1-A	Method Blank	Total/NA	Solid	3545	
LCS 570-4772/2-A	Lab Control Sample	Total/NA	Solid	3545	
570-1375-1 MS	HA1-0.5	Total/NA	Solid	3545	
570-1375-1 MSD	HA1-0.5	Total/NA	Solid	3545	

Prep Batch: 4861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-1	HA1-0.5	Total/NA	Solid	3550C	
570-1375-4	HA6-0.5	Total/NA	Solid	3550C	
570-1375-5	HA6-0.5 DUP	Total/NA	Solid	3550C	
570-1375-8	HA15-0.5	Total/NA	Solid	3550C	
570-1375-11	HA16-0.5	Total/NA	Solid	3550C	
MB 570-4861/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-4861/2-A	Lab Control Sample	Total/NA	Solid	3550C	
570-1375-1 MS	HA1-0.5	Total/NA	Solid	3550C	
570-1375-1 MSD	HA1-0.5	Total/NA	Solid	3550C	

Prep Batch: 4902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-14	HA17-0.5	Total/NA	Solid	3550C	
570-1375-17	HA18-0.5	Total/NA	Solid	3550C	
570-1375-20	HA19-0.5	Total/NA	Solid	3550C	
570-1375-23	HA20-0.5	Total/NA	Solid	3550C	
570-1375-26	HA21-0.5	Total/NA	Solid	3550C	
570-1375-29	HA22-0.5	Total/NA	Solid	3550C	
570-1375-30	HA22-0.5 DUP	Total/NA	Solid	3550C	
570-1375-33	HA23-0.5	Total/NA	Solid	3550C	
570-1375-36	HA27-0.5	Total/NA	Solid	3550C	
MB 570-4902/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-4902/14-A	Lab Control Sample	Total/NA	Solid	3550C	
LCS 570-4902/2-A	Lab Control Sample	Total/NA	Solid	3550C	
570-1375-14 MS	HA17-0.5	Total/NA	Solid	3550C	
570-1375-14 MSD	HA17-0.5	Total/NA	Solid	3550C	

GC Semi VOA

Analysis Batch: 4963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-45	EB2	Total/NA	Water	8081A	4445
MB 570-4445/1-A	Method Blank	Total/NA	Water	8081A	4445
LCS 570-4445/4-A	Lab Control Sample	Total/NA	Water	8081A	4445
LCSD 570-4445/5-A	Lab Control Sample Dup	Total/NA	Water	8081A	4445

Analysis Batch: 5073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-45	EB2	Total/NA	Water	8082	4445
MB 570-4445/1-A	Method Blank	Total/NA	Water	8082	4445
LCS 570-4445/2-A	Lab Control Sample	Total/NA	Water	8082	4445
LCSD 570-4445/3-A	Lab Control Sample Dup	Total/NA	Water	8082	4445

Analysis Batch: 5169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-1	HA1-0.5	Total/NA	Solid	8015B	4861
570-1375-4	HA6-0.5	Total/NA	Solid	8015B	4861
570-1375-5	HA6-0.5 DUP	Total/NA	Solid	8015B	4861
570-1375-8	HA15-0.5	Total/NA	Solid	8015B	4861
570-1375-11	HA16-0.5	Total/NA	Solid	8015B	4861
MB 570-4861/1-A	Method Blank	Total/NA	Solid	8015B	4861
LCS 570-4861/2-A	Lab Control Sample	Total/NA	Solid	8015B	4861
570-1375-1 MS	HA1-0.5	Total/NA	Solid	8015B	4861
570-1375-1 MSD	HA1-0.5	Total/NA	Solid	8015B	4861

Analysis Batch: 5176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-14	HA17-0.5	Total/NA	Solid	8015B	4902
570-1375-17	HA18-0.5	Total/NA	Solid	8015B	4902
570-1375-20	HA19-0.5	Total/NA	Solid	8015B	4902
570-1375-23	HA20-0.5	Total/NA	Solid	8015B	4902
570-1375-26	HA21-0.5	Total/NA	Solid	8015B	4902
570-1375-29	HA22-0.5	Total/NA	Solid	8015B	4902
570-1375-30	HA22-0.5 DUP	Total/NA	Solid	8015B	4902
570-1375-33	HA23-0.5	Total/NA	Solid	8015B	4902
570-1375-36	HA27-0.5	Total/NA	Solid	8015B	4902
MB 570-4902/1-A	Method Blank	Total/NA	Solid	8015B	4902
LCS 570-4902/14-A	Lab Control Sample	Total/NA	Solid	8015B	4902
LCS 570-4902/2-A	Lab Control Sample	Total/NA	Solid	8015B	4902
570-1375-14 MS	HA17-0.5	Total/NA	Solid	8015B	4902
570-1375-14 MSD	HA17-0.5	Total/NA	Solid	8015B	4902

Analysis Batch: 5371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-1	HA1-0.5	Total/NA	Solid	8081A	4772
570-1375-4	HA6-0.5	Total/NA	Solid	8081A	4772
570-1375-5	HA6-0.5 DUP	Total/NA	Solid	8081A	4772
570-1375-8	HA15-0.5	Total/NA	Solid	8081A	4772
570-1375-11	HA16-0.5	Total/NA	Solid	8081A	4772
570-1375-14	HA17-0.5	Total/NA	Solid	8081A	4772
MB 570-4772/1-A	Method Blank	Total/NA	Solid	8081A	4772
LCS 570-4772/2-A	Lab Control Sample	Total/NA	Solid	8081A	4772

GC Semi VOA (Continued)

Analysis Batch: 5371 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-1 MS	HA1-0.5	Total/NA	Solid	8081A	4772
570-1375-1 MSD	HA1-0.5	Total/NA	Solid	8081A	4772

Analysis Batch: 5651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-45	EB2	Total/NA	Water	8015B	4610
MB 570-4610/1-A	Method Blank	Total/NA	Water	8015B	4610
LCS 570-4610/2-A	Lab Control Sample	Total/NA	Water	8015B	4610
LCSD 570-4610/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	4610
570-1452-D-7-A MS	Matrix Spike	Total/NA	Water	8015B	4610
570-1452-D-7-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	4610

Analysis Batch: 5685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-17	HA18-0.5	Total/NA	Solid	8081A	4772
570-1375-20	HA19-0.5	Total/NA	Solid	8081A	4772
570-1375-23	HA20-0.5	Total/NA	Solid	8081A	4772
570-1375-26	HA21-0.5	Total/NA	Solid	8081A	4772
570-1375-29	HA22-0.5	Total/NA	Solid	8081A	4772
570-1375-30	HA22-0.5 DUP	Total/NA	Solid	8081A	4772
570-1375-33	HA23-0.5	Total/NA	Solid	8081A	4772
570-1375-36	HA27-0.5	Total/NA	Solid	8081A	4772

Metals

Prep Batch: 4854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-1	HA1-0.5	Total/NA	Solid	3050B	
570-1375-4	HA6-0.5	Total/NA	Solid	3050B	
570-1375-5	HA6-0.5 DUP	Total/NA	Solid	3050B	
570-1375-8	HA15-0.5	Total/NA	Solid	3050B	
570-1375-11	HA16-0.5	Total/NA	Solid	3050B	
570-1375-14	HA17-0.5	Total/NA	Solid	3050B	
570-1375-17	HA18-0.5	Total/NA	Solid	3050B	
570-1375-20	HA19-0.5	Total/NA	Solid	3050B	
570-1375-23	HA20-0.5	Total/NA	Solid	3050B	
570-1375-26	HA21-0.5	Total/NA	Solid	3050B	
570-1375-29	HA22-0.5	Total/NA	Solid	3050B	
570-1375-30	HA22-0.5 DUP	Total/NA	Solid	3050B	
570-1375-33	HA23-0.5	Total/NA	Solid	3050B	
570-1375-36	HA27-0.5	Total/NA	Solid	3050B	
570-1375-39	B9A-0.5	Total/NA	Solid	3050B	
570-1375-42	B9B-0.5	Total/NA	Solid	3050B	
MB 570-4854/1-A ^20	Method Blank	Total/NA	Solid	3050B	
LCS 570-4854/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-4854/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-1375-33 MS	HA23-0.5	Total/NA	Solid	3050B	
570-1375-33 MSD	HA23-0.5	Total/NA	Solid	3050B	

Metals

Prep Batch: 4860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-1	HA1-0.5	Total/NA	Solid	3050B	
570-1375-4	HA6-0.5	Total/NA	Solid	3050B	
570-1375-5	HA6-0.5 DUP	Total/NA	Solid	3050B	
570-1375-8	HA15-0.5	Total/NA	Solid	3050B	
570-1375-11	HA16-0.5	Total/NA	Solid	3050B	
570-1375-14	HA17-0.5	Total/NA	Solid	3050B	
570-1375-17	HA18-0.5	Total/NA	Solid	3050B	
570-1375-20	HA19-0.5	Total/NA	Solid	3050B	
570-1375-23	HA20-0.5	Total/NA	Solid	3050B	
570-1375-26	HA21-0.5	Total/NA	Solid	3050B	
570-1375-29	HA22-0.5	Total/NA	Solid	3050B	
570-1375-30	HA22-0.5 DUP	Total/NA	Solid	3050B	
570-1375-33	HA23-0.5	Total/NA	Solid	3050B	
570-1375-36	HA27-0.5	Total/NA	Solid	3050B	
MB 570-4860/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-4860/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-4860/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-1375-33 MS	HA23-0.5	Total/NA	Solid	3050B	
570-1375-33 MSD	HA23-0.5	Total/NA	Solid	3050B	

Prep Batch: 5571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-45	EB2	Total/NA	Water	3020A	
MB 570-5571/1-A	Method Blank	Total/NA	Water	3020A	
LCS 570-5571/2-A	Lab Control Sample	Total/NA	Water	3020A	
LCSD 570-5571/3-A	Lab Control Sample Dup	Total/NA	Water	3020A	
570-1648-J-1-C MS ^5	Matrix Spike	Total/NA	Water	3020A	
570-1648-J-1-D MSD ^5	Matrix Spike Duplicate	Total/NA	Water	3020A	

Analysis Batch: 6299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-45	EB2	Total/NA	Water	6020	5571
MB 570-5571/1-A	Method Blank	Total/NA	Water	6020	5571
LCS 570-5571/2-A	Lab Control Sample	Total/NA	Water	6020	5571
LCSD 570-5571/3-A	Lab Control Sample Dup	Total/NA	Water	6020	5571
570-1648-J-1-C MS ^5	Matrix Spike	Total/NA	Water	6020	5571
570-1648-J-1-D MSD ^5	Matrix Spike Duplicate	Total/NA	Water	6020	5571

Analysis Batch: 6608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-5	HA6-0.5 DUP	Total/NA	Solid	6010B	4860
570-1375-8	HA15-0.5	Total/NA	Solid	6010B	4860
570-1375-11	HA16-0.5	Total/NA	Solid	6010B	4860
570-1375-14	HA17-0.5	Total/NA	Solid	6010B	4860
570-1375-17	HA18-0.5	Total/NA	Solid	6010B	4860
570-1375-20	HA19-0.5	Total/NA	Solid	6010B	4860
570-1375-23	HA20-0.5	Total/NA	Solid	6010B	4860
570-1375-26	HA21-0.5	Total/NA	Solid	6010B	4860
570-1375-29	HA22-0.5	Total/NA	Solid	6010B	4860
570-1375-30	HA22-0.5 DUP	Total/NA	Solid	6010B	4860
570-1375-36	HA27-0.5	Total/NA	Solid	6010B	4860

Metals

Prep Batch: 6619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-45	EB2	Total/NA	Water	3020A	
MB 570-6619/1-A	Method Blank	Total/NA	Water	3010A	
LCS 570-6619/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 570-6619/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
570-1313-L-1-F MS	Matrix Spike	Total/NA	Water	3010A	
570-1313-L-1-G MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Analysis Batch: 6760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-1	HA1-0.5	Total/NA	Solid	6010B	4860
570-1375-4	HA6-0.5	Total/NA	Solid	6010B	4860
570-1375-33	HA23-0.5	Total/NA	Solid	6010B	4860
MB 570-4860/1-A	Method Blank	Total/NA	Solid	6010B	4860
LCS 570-4860/2-A	Lab Control Sample	Total/NA	Solid	6010B	4860
LCSD 570-4860/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	4860
570-1375-33 MS	HA23-0.5	Total/NA	Solid	6010B	4860
570-1375-33 MSD	HA23-0.5	Total/NA	Solid	6010B	4860

Analysis Batch: 6792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-1	HA1-0.5	Total/NA	Solid	6020	4854
570-1375-4	HA6-0.5	Total/NA	Solid	6020	4854
570-1375-5	HA6-0.5 DUP	Total/NA	Solid	6020	4854
570-1375-8	HA15-0.5	Total/NA	Solid	6020	4854
570-1375-11	HA16-0.5	Total/NA	Solid	6020	4854
570-1375-14	HA17-0.5	Total/NA	Solid	6020	4854
570-1375-17	HA18-0.5	Total/NA	Solid	6020	4854
570-1375-20	HA19-0.5	Total/NA	Solid	6020	4854
570-1375-23	HA20-0.5	Total/NA	Solid	6020	4854
570-1375-26	HA21-0.5	Total/NA	Solid	6020	4854
570-1375-29	HA22-0.5	Total/NA	Solid	6020	4854
570-1375-30	HA22-0.5 DUP	Total/NA	Solid	6020	4854
570-1375-33	HA23-0.5	Total/NA	Solid	6020	4854
570-1375-36	HA27-0.5	Total/NA	Solid	6020	4854
MB 570-4854/1-A ^20	Method Blank	Total/NA	Solid	6020	4854
LCS 570-4854/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	4854
LCSD 570-4854/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	6020	4854
570-1375-33 MS	HA23-0.5	Total/NA	Solid	6020	4854
570-1375-33 MSD	HA23-0.5	Total/NA	Solid	6020	4854

Analysis Batch: 6906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-39	B9A-0.5	Total/NA	Solid	6020	4854
570-1375-42	B9B-0.5	Total/NA	Solid	6020	4854

Analysis Batch: 7360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-45	EB2	Total/NA	Water	6010B	6619
MB 570-6619/1-A	Method Blank	Total/NA	Water	6010B	6619
LCS 570-6619/2-A	Lab Control Sample	Total/NA	Water	6010B	6619
LCSD 570-6619/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	6619

Metals (Continued)

Analysis Batch: 7360 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1313-L-1-F MS	Matrix Spike	Total/NA	Water	6010B	6619
570-1313-L-1-G MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	6619

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

Client Sample ID: HA1-0.5 **Lab Sample ID: 570-1375-1**
Date Collected: 07/09/19 08:17 **Matrix: Solid**
Date Received: 07/10/19 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.148 g	5 mL	4764	07/12/19 13:43	J78Y	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5069	07/14/19 00:22	BE5H	ECL 2
	Instrument ID: GCMSGGG									
Total/NA	Prep	3545			20.3 g	2 mL	5032	07/13/19 15:17	EA	ECL 1
Total/NA	Analysis	8270C		1			5696	07/17/19 18:57	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			4.98 g	5 mL	4929	07/12/19 20:57	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	4959	07/13/19 23:54	U1MC	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			9.85 g	10 mL	4861	07/12/19 16:32	CL	ECL 1
Total/NA	Analysis	8015B		1			5169	07/15/19 14:22	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.11 g	10 mL	4772	07/12/19 12:06	EA	ECL 1
Total/NA	Analysis	8081A		1			5371	07/16/19 16:31	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			1.97 g	100 mL	4860	07/12/19 16:32	AP	ECL 1
Total/NA	Analysis	6010B		1			6760	07/21/19 14:33	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			2.07 g	100 mL	4854	07/12/19 16:18	AP	ECL 1
Total/NA	Analysis	6020		20			6792	07/21/19 11:22	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA6-0.5 **Lab Sample ID: 570-1375-4**
Date Collected: 07/09/19 09:02 **Matrix: Solid**
Date Received: 07/10/19 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.575 g	5 mL	4764	07/12/19 13:43	J78Y	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5069	07/14/19 00:47	BE5H	ECL 2
	Instrument ID: GCMSGGG									
Total/NA	Prep	3545			20.2 g	2 mL	5032	07/13/19 15:17	EA	ECL 1
Total/NA	Analysis	8270C		1			5696	07/17/19 14:57	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			5.08 g	5 mL	4929	07/12/19 20:57	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	4959	07/14/19 00:27	U1MC	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.36 g	10 mL	4861	07/12/19 16:32	CL	ECL 1
Total/NA	Analysis	8015B		1			5169	07/16/19 02:35	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.21 g	10 mL	4772	07/12/19 12:06	EA	ECL 1
Total/NA	Analysis	8081A		1			5371	07/16/19 16:45	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.01 g	100 mL	4860	07/12/19 16:32	AP	ECL 1
Total/NA	Analysis	6010B		1			6760	07/21/19 14:35	ULPF	ECL 1
	Instrument ID: ICP8									

Client Sample ID: HA6-0.5 — Lab Sample ID: 570-1375-4

Date Collected: 07/09/19 09:02 — **Matrix: Solid**
Date Received: 07/10/19 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.07 g	100 mL	4854	07/12/19 16:18	AP	ECL 1
Total/NA	Analysis	6020		20			6792	07/21/19 11:32	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA6-0.5 DUP — Lab Sample ID: 570-1375-5

Date Collected: 07/09/19 09:02 — **Matrix: Solid**
Date Received: 07/10/19 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.461 g	5 mL	4764	07/12/19 13:43	J78Y	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5069	07/14/19 01:12	BE5H	ECL 2
	Instrument ID: GCMSGGG									
Total/NA	Prep	3545			20.2 g	2 mL	5032	07/13/19 15:17	EA	ECL 1
Total/NA	Analysis	8270C		1			5696	07/17/19 15:15	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			4.93 g	5 mL	4929	07/12/19 20:57	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	4959	07/14/19 01:00	U1MC	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			9.78 g	10 mL	4861	07/12/19 16:32	CL	ECL 1
Total/NA	Analysis	8015B		1			5169	07/15/19 15:06	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.12 g	10 mL	4772	07/12/19 12:06	EA	ECL 1
Total/NA	Analysis	8081A		1			5371	07/16/19 16:59	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.00 g	100 mL	4860	07/12/19 16:32	AP	ECL 1
Total/NA	Analysis	6010B		1			6608	07/19/19 16:41	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			2.07 g	100 mL	4854	07/12/19 16:18	AP	ECL 1
Total/NA	Analysis	6020		20			6792	07/21/19 11:35	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA15-0.5 — Lab Sample ID: 570-1375-8

Date Collected: 07/09/19 10:02 — **Matrix: Solid**
Date Received: 07/10/19 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.129 g	5 mL	4764	07/12/19 13:43	J78Y	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5069	07/14/19 01:37	BE5H	ECL 2
	Instrument ID: GCMSGGG									
Total/NA	Prep	3545			20.3 g	2 mL	5032	07/13/19 15:17	EA	ECL 1
Total/NA	Analysis	8270C		1			5696	07/17/19 15:34	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			5.09 g	5 mL	4929	07/12/19 20:57	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	4959	07/14/19 01:33	U1MC	ECL 2
	Instrument ID: GC25									

Client Sample ID: HA15-0.5
Lab Sample ID: 570-1375-8
Date Collected: 07/09/19 10:02
Matrix: Solid
Date Received: 07/10/19 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			9.98 g	10 mL	4861	07/12/19 16:32	CL	ECL 1
Total/NA	Analysis	8015B		1			5169	07/15/19 15:27	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.08 g	10 mL	4772	07/12/19 12:06	EA	ECL 1
Total/NA	Analysis	8081A		1			5371	07/16/19 17:13	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.02 g	100 mL	4860	07/12/19 16:32	AP	ECL 1
Total/NA	Analysis	6010B		1			6608	07/19/19 16:43	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			1.97 g	100 mL	4854	07/12/19 16:18	AP	ECL 1
Total/NA	Analysis	6020		20			6792	07/21/19 11:38	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA16-0.5
Lab Sample ID: 570-1375-11
Date Collected: 07/09/19 12:17
Matrix: Solid
Date Received: 07/10/19 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.627 g	5 mL	4764	07/12/19 13:43	J78Y	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5069	07/14/19 02:01	BE5H	ECL 2
	Instrument ID: GCMSGGG									
Total/NA	Prep	3545			20.1 g	2 mL	5032	07/13/19 15:17	EA	ECL 1
Total/NA	Analysis	8270C		1			5696	07/17/19 15:52	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			4.95 g	5 mL	4929	07/12/19 20:57	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	4959	07/14/19 02:06	U1MC	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			9.84 g	10 mL	4861	07/12/19 16:32	CL	ECL 1
Total/NA	Analysis	8015B		1			5169	07/15/19 15:49	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.28 g	10 mL	4772	07/12/19 12:06	EA	ECL 1
Total/NA	Analysis	8081A		1			5371	07/16/19 17:28	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.04 g	100 mL	4860	07/12/19 16:32	AP	ECL 1
Total/NA	Analysis	6010B		1			6608	07/19/19 16:45	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			2.00 g	100 mL	4854	07/12/19 16:18	AP	ECL 1
Total/NA	Analysis	6020		20			6792	07/21/19 11:41	UFLE	ECL 1
	Instrument ID: ICPMS05									

Lab Chronicle

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

Client Sample ID: HA17-0.5

Date Collected: 07/09/19 10:37
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.624 g	5 mL	4764	07/12/19 13:43	J78Y	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5069	07/14/19 02:26	BE5H	ECL 2
	Instrument ID: GCMSGGG									
Total/NA	Prep	3545			20.2 g	2 mL	5032	07/13/19 15:17	EA	ECL 1
Total/NA	Analysis	8270C		1			5696	07/17/19 16:11	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			5.03 g	5 mL	4929	07/12/19 20:57	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	4959	07/14/19 02:39	U1MC	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.25 g	10 mL	4902	07/12/19 19:29	CL	ECL 1
Total/NA	Analysis	8015B		1			5176	07/15/19 19:06	N5Y3	ECL 1
	Instrument ID: GC49									
Total/NA	Prep	3545			20.39 g	10 mL	4772	07/12/19 12:06	EA	ECL 1
Total/NA	Analysis	8081A		1			5371	07/16/19 17:42	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.06 g	100 mL	4860	07/12/19 16:32	AP	ECL 1
Total/NA	Analysis	6010B		1			6608	07/19/19 16:47	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			2.05 g	100 mL	4854	07/12/19 16:18	AP	ECL 1
Total/NA	Analysis	6020		20			6792	07/21/19 11:43	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA18-0.5

Date Collected: 07/09/19 13:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.11 g	5 mL	4764	07/12/19 13:43	J78Y	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5069	07/14/19 02:51	BE5H	ECL 2
	Instrument ID: GCMSGGG									
Total/NA	Prep	3545			20.1 g	2 mL	5032	07/13/19 15:17	EA	ECL 1
Total/NA	Analysis	8270C		2			5696	07/17/19 16:29	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			4.98 g	5 mL	4929	07/12/19 20:57	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	4959	07/14/19 03:12	U1MC	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.31 g	10 mL	4902	07/12/19 19:29	CL	ECL 1
Total/NA	Analysis	8015B		5			5176	07/15/19 22:37	N5Y3	ECL 1
	Instrument ID: GC49									
Total/NA	Prep	3545			20.08 g	10 mL	4772	07/12/19 12:06	EA	ECL 1
Total/NA	Analysis	8081A		1			5685	07/17/19 06:41	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			1.99 g	100 mL	4860	07/12/19 16:32	AP	ECL 1
Total/NA	Analysis	6010B		1			6608	07/19/19 16:49	ULPF	ECL 1
	Instrument ID: ICP8									

Lab Chronicle

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

Client Sample ID: HA18-0.5
Date Collected: 07/09/19 13:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.99 g	100 mL	4854	07/12/19 16:18	AP	ECL 1
Total/NA	Analysis	6020		20			6792	07/21/19 11:46	UFLE	ECL 1
	Instrument ID:	ICPMS05								

Client Sample ID: HA19-0.5
Date Collected: 07/09/19 11:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.24 g	5 mL	4764	07/12/19 13:43	J78Y	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5069	07/14/19 03:16	BE5H	ECL 2
	Instrument ID:	GCMSGGG								
Total/NA	Prep	3545			20.4 g	2 mL	5032	07/13/19 15:17	EA	ECL 1
Total/NA	Analysis	8270C		2			5696	07/17/19 16:48	N8CZ	ECL 1
	Instrument ID:	GCMSCCC								
Total/NA	Prep	5030C			4.93 g	5 mL	4929	07/12/19 20:57	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	4959	07/14/19 03:46	U1MC	ECL 2
	Instrument ID:	GC25								
Total/NA	Prep	3550C			10.09 g	10 mL	4902	07/12/19 19:29	CL	ECL 1
Total/NA	Analysis	8015B		5			5176	07/15/19 22:58	N5Y3	ECL 1
	Instrument ID:	GC49								
Total/NA	Prep	3545			20.42 g	10 mL	4772	07/12/19 12:06	EA	ECL 1
Total/NA	Analysis	8081A		1			5685	07/17/19 06:55	U6T2	ECL 1
	Instrument ID:	GC44								
Total/NA	Prep	3050B			2.05 g	100 mL	4860	07/12/19 16:32	AP	ECL 1
Total/NA	Analysis	6010B		1			6608	07/19/19 16:50	ULPF	ECL 1
	Instrument ID:	ICP8								
Total/NA	Prep	3050B			1.98 g	100 mL	4854	07/12/19 16:18	AP	ECL 1
Total/NA	Analysis	6020		20			6792	07/21/19 11:49	UFLE	ECL 1
	Instrument ID:	ICPMS05								

Client Sample ID: HA20-0.5
Date Collected: 07/09/19 09:32
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.55 g	5 mL	4764	07/12/19 13:43	J78Y	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5069	07/14/19 03:41	BE5H	ECL 2
	Instrument ID:	GCMSGGG								
Total/NA	Prep	3545			20.0 g	2 mL	5032	07/13/19 15:17	EA	ECL 1
Total/NA	Analysis	8270C		1			5696	07/17/19 17:06	N8CZ	ECL 1
	Instrument ID:	GCMSCCC								
Total/NA	Prep	5030C			5.02 g	5 mL	4929	07/12/19 20:57	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	5404	07/16/19 19:32	U1MC	ECL 2
	Instrument ID:	GC25								

Client Sample ID: HA20-0.5 — Lab Sample ID: 570-1375-23

Date Collected: 07/09/19 09:32 — **Matrix: Solid**
Date Received: 07/10/19 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.06 g	10 mL	4902	07/12/19 19:29	CL	ECL 1
Total/NA	Analysis	8015B		1			5176	07/15/19 23:19	N5Y3	ECL 1
	Instrument ID: GC49									
Total/NA	Prep	3545			20.37 g	10 mL	4772	07/12/19 12:06	EA	ECL 1
Total/NA	Analysis	8081A		1			5685	07/17/19 07:09	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			1.99 g	100 mL	4860	07/12/19 16:32	AP	ECL 1
Total/NA	Analysis	6010B		1			6608	07/19/19 16:57	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			1.99 g	100 mL	4854	07/12/19 16:18	AP	ECL 1
Total/NA	Analysis	6020		20			6792	07/21/19 11:51	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA21-0.5 — Lab Sample ID: 570-1375-26

Date Collected: 07/09/19 14:42 — **Matrix: Solid**
Date Received: 07/10/19 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.31 g	5 mL	4764	07/12/19 13:43	J78Y	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5069	07/14/19 04:07	BE5H	ECL 2
	Instrument ID: GCMSGGG									
Total/NA	Prep	3545			20.1 g	2 mL	5032	07/13/19 15:17	EA	ECL 1
Total/NA	Analysis	8270C		1			5696	07/17/19 17:25	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			4.99 g	5 mL	4929	07/12/19 20:57	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	5404	07/16/19 20:06	U1MC	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.11 g	10 mL	4902	07/12/19 19:29	CL	ECL 1
Total/NA	Analysis	8015B		1			5176	07/15/19 23:40	N5Y3	ECL 1
	Instrument ID: GC49									
Total/NA	Prep	3545			20.28 g	10 mL	4772	07/12/19 12:06	EA	ECL 1
Total/NA	Analysis	8081A		1			5685	07/17/19 07:24	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.08 g	100 mL	4860	07/12/19 16:32	AP	ECL 1
Total/NA	Analysis	6010B		1			6608	07/19/19 16:59	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			1.98 g	100 mL	4854	07/12/19 16:18	AP	ECL 1
Total/NA	Analysis	6020		20			6792	07/21/19 11:54	UFLE	ECL 1
	Instrument ID: ICPMS05									

Lab Chronicle

Client: EFI Global, Inc.
Job ID: 570-1375-1
Project/Site: WH Taft HS

Client Sample ID: HA22-0.5
Lab Sample ID: 570-1375-29

Date Collected: 07/09/19 14:02
Matrix: Solid
Date Received: 07/10/19 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.363 g	5 mL	4764	07/12/19 13:43	J78Y	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5355	07/16/19 14:25	J78Y	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Prep	3545			20.2 g	2 mL	5032	07/13/19 15:17	EA	ECL 1
Total/NA	Analysis	8270C		1			5696	07/17/19 17:43	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			4.94 g	5 mL	4929	07/12/19 20:57	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	5404	07/16/19 20:39	U1MC	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.50 g	10 mL	4902	07/12/19 19:29	CL	ECL 1
Total/NA	Analysis	8015B		1			5176	07/16/19 00:02	N5Y3	ECL 1
	Instrument ID: GC49									
Total/NA	Prep	3545			20.05 g	10 mL	4772	07/12/19 12:06	EA	ECL 1
Total/NA	Analysis	8081A		1			5685	07/17/19 07:38	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			1.95 g	100 mL	4860	07/12/19 16:32	AP	ECL 1
Total/NA	Analysis	6010B		1			6608	07/19/19 17:01	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			2.04 g	100 mL	4854	07/12/19 16:18	AP	ECL 1
Total/NA	Analysis	6020		20			6792	07/21/19 11:57	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA22-0.5 DUP
Lab Sample ID: 570-1375-30

Date Collected: 07/09/19 14:02
Matrix: Solid
Date Received: 07/10/19 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3.986 g	5 mL	4764	07/12/19 13:43	J78Y	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5355	07/16/19 14:52	J78Y	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Prep	3545			20.2 g	2 mL	5032	07/13/19 15:17	EA	ECL 1
Total/NA	Analysis	8270C		1			5696	07/17/19 18:02	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			4.94 g	5 mL	4929	07/12/19 20:57	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	5404	07/16/19 21:45	U1MC	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			9.94 g	10 mL	4902	07/12/19 19:29	CL	ECL 1
Total/NA	Analysis	8015B		1			5176	07/16/19 00:24	N5Y3	ECL 1
	Instrument ID: GC49									
Total/NA	Prep	3545			20.37 g	10 mL	4772	07/12/19 12:06	EA	ECL 1
Total/NA	Analysis	8081A		1			5685	07/17/19 07:52	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.08 g	100 mL	4860	07/12/19 16:32	AP	ECL 1
Total/NA	Analysis	6010B		1			6608	07/19/19 17:03	ULPF	ECL 1
	Instrument ID: ICP8									

Lab Chronicle

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

Client Sample ID: HA22-0.5 DUP
Lab Sample ID: 570-1375-30
Date Collected: 07/09/19 14:02
Matrix: Solid
Date Received: 07/10/19 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.07 g	100 mL	4854	07/12/19 16:18	AP	ECL 1
Total/NA	Analysis	6020		20			6792	07/21/19 12:08	UFLE	ECL 1
	Instrument ID:	ICPMS05								

Client Sample ID: HA23-0.5
Lab Sample ID: 570-1375-33
Date Collected: 07/09/19 14:22
Matrix: Solid
Date Received: 07/10/19 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.82 g	5 mL	4764	07/12/19 13:43	J78Y	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5144	07/15/19 16:46	BE5H	ECL 2
	Instrument ID:	GCMSGGG								
Total/NA	Prep	3545			20.2 g	2 mL	5032	07/13/19 15:17	EA	ECL 1
Total/NA	Analysis	8270C		1			5696	07/17/19 18:20	N8CZ	ECL 1
	Instrument ID:	GCMSCCC								
Total/NA	Prep	5030C			5.03 g	5 mL	5013	07/13/19 13:11	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	5151	07/16/19 02:25	CVA6	ECL 2
	Instrument ID:	GC25								
Total/NA	Prep	3550C			10.06 g	10 mL	4902	07/12/19 19:29	CL	ECL 1
Total/NA	Analysis	8015B		1			5176	07/16/19 00:45	N5Y3	ECL 1
	Instrument ID:	GC49								
Total/NA	Prep	3545			20.19 g	10 mL	4772	07/12/19 12:06	EA	ECL 1
Total/NA	Analysis	8081A		1			5685	07/17/19 08:06	U6T2	ECL 1
	Instrument ID:	GC44								
Total/NA	Prep	3050B			2.02 g	100 mL	4860	07/12/19 16:32	AP	ECL 1
Total/NA	Analysis	6010B		1			6760	07/21/19 14:28	ULPF	ECL 1
	Instrument ID:	ICP8								
Total/NA	Prep	3050B			1.97 g	100 mL	4854	07/12/19 16:18	AP	ECL 1
Total/NA	Analysis	6020		20			6792	07/21/19 11:11	UFLE	ECL 1
	Instrument ID:	ICPMS05								

Client Sample ID: HA27-0.5
Lab Sample ID: 570-1375-36
Date Collected: 07/09/19 11:12
Matrix: Solid
Date Received: 07/10/19 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.622 g	5 mL	4764	07/12/19 13:43	J78Y	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5144	07/15/19 17:12	BE5H	ECL 2
	Instrument ID:	GCMSGGG								
Total/NA	Prep	3545			20.31 g	2 mL	6519	07/20/19 09:40	EA	ECL 1
Total/NA	Analysis	8270C		1			7026	07/23/19 15:26	N8CZ	ECL 1
	Instrument ID:	GCMSCCC								
Total/NA	Prep	5030C			4.98 g	5 mL	4929	07/12/19 20:57	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	5404	07/16/19 21:11	U1MC	ECL 2
	Instrument ID:	GC25								

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

Client Sample ID: HA27-0.5 **Lab Sample ID: 570-1375-36**
Date Collected: 07/09/19 11:12 **Matrix: Solid**
Date Received: 07/10/19 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.43 g	10 mL	4902	07/12/19 19:29	CL	ECL 1
Total/NA	Analysis	8015B		1			5176	07/16/19 01:06	N5Y3	ECL 1
	Instrument ID: GC49									
Total/NA	Prep	3545			20.07 g	10 mL	4772	07/12/19 12:06	EA	ECL 1
Total/NA	Analysis	8081A		1			5685	07/17/19 08:21	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			1.95 g	100 mL	4860	07/12/19 16:32	AP	ECL 1
Total/NA	Analysis	6010B		1			6608	07/19/19 17:05	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			2.02 g	100 mL	4854	07/12/19 16:18	AP	ECL 1
Total/NA	Analysis	6020		20			6792	07/21/19 12:10	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: B9A-0.5 **Lab Sample ID: 570-1375-39**
Date Collected: 07/09/19 12:32 **Matrix: Solid**
Date Received: 07/10/19 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.98 g	100 mL	4854	07/12/19 16:18	AP	ECL 1
Total/NA	Analysis	6020		100			6906	07/22/19 17:16	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: B9B-0.5 **Lab Sample ID: 570-1375-42**
Date Collected: 07/09/19 12:57 **Matrix: Solid**
Date Received: 07/10/19 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.02 g	100 mL	4854	07/12/19 16:18	AP	ECL 1
Total/NA	Analysis	6020		100			6906	07/22/19 17:19	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: EB2 **Lab Sample ID: 570-1375-45**
Date Collected: 07/09/19 15:02 **Matrix: Water**
Date Received: 07/10/19 13:00

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	5489	07/17/19 00:20	BL	ECL 2
	Instrument ID: GCMSPP									
Total/NA	Prep	3510C			1041.8 mL	2 mL	4949	07/13/19 09:41	OAJ3	ECL 1
Total/NA	Analysis	8270C		1			5257	07/15/19 19:19	N8CZ	ECL 1
	Instrument ID: GCMSSS									
Total/NA	Analysis	8015B		1	5 mL	5 mL	5775	07/18/19 05:00	UL9Z	ECL 2
	Instrument ID: GC57									
Total/NA	Prep	3510C			530 mL	2.5 mL	4610	07/11/19 16:05	UFLU	ECL 1
Total/NA	Analysis	8015B		1			5651	07/17/19 17:57	I9H5	ECL 1
	Instrument ID: GC50									

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

Client Sample ID: EB2 **Lab Sample ID: 570-1375-45**
Date Collected: 07/09/19 15:02 **Matrix: Water**
Date Received: 07/10/19 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1045.6 mL	5 mL	4445	07/11/19 09:51	OAJ3	ECL 1
Total/NA	Analysis	8081A		1			4963	07/13/19 13:24	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3510C			1045.6 mL	5 mL	4445	07/11/19 09:51	OAJ3	ECL 1
Total/NA	Analysis	8082		1			5073	07/14/19 16:39	U6T2	ECL 1
	Instrument ID: GC31									
Total/NA	Prep	3020A			50 mL	50 mL	6619	07/15/19 15:00	WL8G	ECL 1
Total/NA	Analysis	6010B		1			7360	07/23/19 22:06	UEDN	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3020A			50 mL	50 mL	5571	07/16/19 15:00	WL8G	ECL 1
Total/NA	Analysis	6020		1			6299	07/18/19 19:56	UFLE	ECL 1
	Instrument ID: ICPMS05									

Laboratory References:

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

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

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

Laboratory: Eurofins Calscience LLC

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Arizona	State Program	9	AZ0781	03-13-20
California	SCAQMD LAP	9	N/A	11-30-19
California	State Program	9	2944	09-30-19
Guam	State Program	9	19-004R	10-31-19
Hawaii	State Program	9	N/A	01-29-20
Nevada	State Program	9	CA00111	07-31-19
Oregon	NELAP Primary AB	10	CA300001	01-20-20
Washington	State Program	10	C916	10-11-19

Method Summary

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	ECL 1
8015B	Gasoline Range Organics - (GC)	SW846	ECL 2
8015B	Diesel Range Organics (DRO) (GC)	SW846	ECL 1
8081A	Organochlorine Pesticides (GC)	SW846	ECL 1
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
6010B	Metals (ICP)	SW846	ECL 1
6020	Metals (ICP/MS)	SW846	ECL 1
3010A	Preparation, Total Metals	SW846	ECL 1
3020A	Preparation, Total Metals	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ECL 1
3545	Pressurized Fluid Extraction	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 1
5030C	Purge and Trap	SW846	ECL
5035	Closed System 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 = Eurofins Calscience LLC, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494
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: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-1375-1	HA1-0.5	Solid	07/09/19 08:17	07/10/19 13:00	
570-1375-4	HA6-0.5	Solid	07/09/19 09:02	07/10/19 13:00	
570-1375-5	HA6-0.5 DUP	Solid	07/09/19 09:02	07/10/19 13:00	
570-1375-8	HA15-0.5	Solid	07/09/19 10:02	07/10/19 13:00	
570-1375-11	HA16-0.5	Solid	07/09/19 12:17	07/10/19 13:00	
570-1375-14	HA17-0.5	Solid	07/09/19 10:37	07/10/19 13:00	
570-1375-17	HA18-0.5	Solid	07/09/19 13:32	07/10/19 13:00	
570-1375-20	HA19-0.5	Solid	07/09/19 11:32	07/10/19 13:00	
570-1375-23	HA20-0.5	Solid	07/09/19 09:32	07/10/19 13:00	
570-1375-26	HA21-0.5	Solid	07/09/19 14:42	07/10/19 13:00	
570-1375-29	HA22-0.5	Solid	07/09/19 14:02	07/10/19 13:00	
570-1375-30	HA22-0.5 DUP	Solid	07/09/19 14:02	07/10/19 13:00	
570-1375-33	HA23-0.5	Solid	07/09/19 14:22	07/10/19 13:00	
570-1375-36	HA27-0.5	Solid	07/09/19 11:12	07/10/19 13:00	
570-1375-39	B9A-0.5	Solid	07/09/19 12:32	07/10/19 13:00	
570-1375-42	B9B-0.5	Solid	07/09/19 12:57	07/10/19 13:00	
570-1375-45	EB2	Water	07/09/19 15:02	07/10/19 13:00	

~~AE_EFI_01~~

EFI Global

Engineering, Fire & Environmental Services

Andersen Environmental, an EFI Global Company
5261 West Imperial Highway, Los Angeles CA 90045
Tel: (310) 854-6300 Fax: (310) 854-0199 www.AndersenEnviro.com

Chain of Custody

570-1375 Chain of Custody

Analytical Laboratory:	Eurofins Calscience	Geotracker Global ID:	
Project Number:	WH Taft HS	645.00349	
Project Address:	5461 Winnetka Ave, Woodland Hills, CA 91364		
Project Manager:	Shayan Simantob		
Sampled by:	P. Skeath		
Phone:	(310) 920-1230		
Email:	shayan.simantob@efiglobal.com		

Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	HNO3	NaHSO4	HCl	Sampling Information: Date	Time	VOCs (8260B 5035)	Lead (6010B) ②	Arsenic (6020)	SVOCs (8270C)	TPHg + ERPH (8015)	PCBs (8082)	OCPs (8081A)	Composite	Hold	4- or 8-ounce Glass	Plastic Bag	VOAs (by EPA 5035)	Turnaround Time: Normal / Standard (7 Day)	72 Hour	48 Hours	24 Hours
1	HA1-0.5		X			X							7/9/19	0817	X	X	X	X	X		X			X		X	X			
2	HA1-1.5													0819									X							
3	HA1-3													0821									X							
4	HA6-0.5													0902	X	X	X	X	X		X					X				
5	HA6-0.5 DUP													0902	X	X	X	X	X		X					X				
6	HA6-1.5													0904									X							
7	HA6-3													0906									X							
8	HA15-0.5													1002	X	X	X	X	X		X					X				
9	HA15-1.5													1004									X							
10	HA15-3													1006									X							
11	HA16-0.5													1217	X	X	X	X	X		X					X				
12	HA16-1.5													1219									X							
13	HA16-3													1221									X							
14	HA17-0.5													1037	X	X	X	X	X		X					X				
15	HA17-1.5													1039									X							
16	HA17-3													1041									X							
17	HA18-~~[illegible]~~ 0.5													1332	X	X	X	X	X		X					X				
18	HA18-1.5													1335									X							
19	HA18-3													1337									X							
20	HA19-0.5													1132	X	X	X	X	X		X					X				

Relinquished by	Date	Time	Received by	Date	Time	Remarks
[signature]	7/9/19	1120	[signature]	7/10/19	11:30	Sample condition (circle): Chilled Intact
[signature]	7/10/19	1300	[signature]	7/10/19	1300	**Excavation Area:**

2 COOLERS 3.5/3.7 3.3/3.5 SC6

213

EFI Global

Engineering, Fire & Environmental Services

Andersen Environmental, an EFI Global Company
5261 West Imperial Highway, Los Angeles CA 90045
Tel: (310) 854-6300 Fax: (310) 854-0199 www.AndersenEnviro.com

Chain-of-Custody Record

~~AE_EFI_01~~

Analytical Laboratory:	Eurofins Calscience	Geotracker Global ID:	
Project Number:	WH Taft HS	045.00349	
Project Address:			
Project Manager:	see page 1		
Sampled by:			
Phone:			
Email:			

	Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	Preservative: HNO3	Preservative: NaHSO4	Preservative: HCl	Sampling Information: Date	Sampling Information: Time	Method: VOCs (8260B 5035)	Method: Lead (6010B)	Method: Arsenic (6020)	Method: SVOCs (8270C)	Method: TPHg + ERPH (8015)	Method: PCBs (8082)	Method: OCPs (8081A)	Method: Composite	Method: Hold	Container: 4- or 8-ounce Glass	Container: Plastic Bag	Container: VOAs (by EPA 5035)	Turnaround Time: Normal / Standard (7 Days)	Turnaround Time: 72 Hour	Turnaround Time: 48 Hours	Turnaround Time: 24 Hours
21	1	HA19-1.5		X			X							7/9/19	1134									X				X			
22	2	HA19-3													1136									X							
23	3	HA20-0.5													0932	X	X	X	X	X		X					X				
24	4	HA20-1.5													0934									X							
25	5	HA20-3													0936									X							
26	6	HA21-0.5													1442	X	X	X	X	X		X					X				
27	7	HA21-1.5													1444									X							
28	8	HA21-3													1446									X							
29	9	HA22-0.5													1402	X	X	X	X	X		X					X				
30	10	HA22-0.5 DUP													1402	X	X	X	X	X		X					X				
31	11	HA22-1.5													1404									X							
32	12	HA22-3													1406									X							
33	13	HA23-0.5													1422	X	X	X	X	X		X					X				
34	14	HA23-1.5													1424									X							
35	15	HA23-3													1426									X							
36	16	HA27-0.5													1112	X	X	X	X	X		X					X				
37	17	HA27-1.5													1114									X							
38	18	HA27-3													1116									X							
39	19	B9A-0.5													1232	X	X	X	X	X	X	X					X				
40	20	B9A-1.5													1234			RUN						X							

Run Arsenic (only)

Relinquished by	Date	Time	Received by	Date	Time	Remarks
Zhou Weimin	7/9/19	1120	Zhou Weimin	7/10/19	11:20	Sample condition (circle): Chilled Intact
	7/10/19	1300	[illegible signature]	7/10/19	1300	**Excavation Area:**

7/25/2019

3.7/3.9 SC6

3/3

~~AE_EFI_01~~

EFI Global
Engineering, Fire & Environmental Services

Andersen Environmental, an EFI Global Company
5261 West Imperial Highway, Los Angeles CA 90045
Tel: (310) 854-6300 Fax: (310) 854-0199 www.AndersenEnviro.com

Chain-of-Custody Record

Analytical Laboratory:	Eurofins Calscience	Geotracker Global ID:	
Project Number:	WH Taft HS	045.00344	
Project Address:			
Project Manager:	see page 1		
Sampled by:			
Phone:			
Email:			

	Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	Preservative: HNO3	Preservative: NaHSO4	Preservative: HCl	Sampling Information: Date	Sampling Information: Time	Method: VOCs (8260 & 5035)	Method: Lead (6010B)	Method: Arsenic (6020)	Method: SVOCs (8270C)	Method: TPHg + EPH (8015)	Method: PCBs (8082)	Method: OCPs (8081A)	Method	Method	Method	Method: Composite	Method: Hold	Container: 4- or 8-ounce Glass	Container: Plastic Bag	Container: VOAs (by EPA 5035)	Container: Various	Container: VOAs (HCl)	Turnaround Time: Normal / Standard	Turnaround Time: 72 Hour	Turnaround Time: 48 Hours	Turnaround Time: 24 Hours
41	1	BGA-3					X							7/9/18	1236												X	X					X			
42	2	BGB-0.5													~~1252~~ 1257			X			~~X~~									X						
43	3	BGB-1.5													1259												X									
44	4	BGB-3													1301												X									
45	5	EB2				X									1502	X	X	X	X	X	X	X									X					
46	6	TB2							X																		X					X				
	7																																			
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Relinquished by	Date	Time	Received by	Date	Time	Remarks
Zhou Weimin	7/9/19	1120	Zhou Weimin	7/10/19	1120	Sample condition (circle): Chilled Intact
	7/10/19	1300	[illegible signature]	7/10/19	1300	Excavation Area:

3.6/3.8 SC6

7/23/2019

Login Sample Receipt Checklist

Client: EFI Global, Inc. | Job Number: 570-1375-1

Login Number: 1375 | **List Source: Eurofins Calscience**
List Number: 1
Creator: Ramos, Maribel

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	IDs on containers do not match the COC. Logged in per COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

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

Laboratory Job ID: 570-1375-1
Client Project/Site: WH Taft HS
Revision: 1

For:
EFI Global, Inc.
5261 West Imperial Highway
Los Angeles, California 90045

Attn: Desi Salgado

Authorized for release by:
9/25/2019 4:33:56 PM

Stephen Nowak, Project Manager I
(714)895-5494
stephennowak@eurofinsus.com

Table of Contents

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

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

Job ID: 570-1375-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-1375-1

Comments
No additional comments.

Receipt
The samples were received on 7/10/2019 1:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 3.5º C, 3.7º C, 3.8º C and 3.9º C.

Receipt Exceptions

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): HA16-0.5 (570-1375-11), HA16-1.5 (570-1375-12) and HA16-3 (570-1375-13). The container labels list HA17-0.5 while COC list HA16-0.5; HA17-1.5 while COC list HA16-1.5; HA17-3 while COC list HA16-3.

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): B9A-0.5 (570-1375-39) and B9A-1.5 (570-1375-40). The container labels list 12:35 while the COC lists 12:32; 12:37 while the COC lists 12:34.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): HA23-0.5 (570-1375-33). The container labels list while the COC lists 1 of 3 terracore is labeled as HA22-0.5 while COC list is as HA23-0.5.

Vials not individually labeled. Labeled in ziploc.

EB2 (570-1375-45) and TB2 (570-1375-46)

Metals
Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision of Lead for preparation batch 570-4860 and analytical batch 570-5659 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Detection Summary

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

Client Sample ID: HA1-0.5 Lab Sample ID: 570-1375-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	12.2		0.966		mg/Kg	20		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

Method: 6020 - Metals (ICP/MS)

Client Sample ID: HA1-0.5
Date Collected: 07/09/19 08:17
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**12.2**		0.966		mg/Kg		07/12/19 16:18	07/21/19 11:22	20
Thallium	ND		0.966		mg/Kg		07/12/19 16:18	07/21/19 11:22	20

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

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

Lab Sample ID: MB 570-5069/8
Matrix: Solid
Analysis Batch: 5069

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	ug/Kg			07/13/19 20:36	1
1,1,1-Trichloroethane	ND		1.0	ug/Kg			07/13/19 20:36	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/Kg			07/13/19 20:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	ug/Kg			07/13/19 20:36	1
1,1,2-Trichloroethane	ND		1.0	ug/Kg			07/13/19 20:36	1
1,1-Dichloroethane	ND		1.0	ug/Kg			07/13/19 20:36	1
1,1-Dichloroethene	ND		1.0	ug/Kg			07/13/19 20:36	1
1,1-Dichloropropene	ND		2.0	ug/Kg			07/13/19 20:36	1
1,2,3-Trichlorobenzene	ND		2.0	ug/Kg			07/13/19 20:36	1
1,2,3-Trichloropropane	ND		2.0	ug/Kg			07/13/19 20:36	1
1,2,4-Trichlorobenzene	ND		2.0	ug/Kg			07/13/19 20:36	1
1,2,4-Trimethylbenzene	ND		2.0	ug/Kg			07/13/19 20:36	1
1,2-Dibromo-3-Chloropropane	ND		10	ug/Kg			07/13/19 20:36	1
1,2-Dibromoethane	ND		1.0	ug/Kg			07/13/19 20:36	1
1,2-Dichlorobenzene	ND		1.0	ug/Kg			07/13/19 20:36	1
1,2-Dichloroethane	ND		1.0	ug/Kg			07/13/19 20:36	1
1,2-Dichloropropane	ND		1.0	ug/Kg			07/13/19 20:36	1
1,3,5-Trimethylbenzene	ND		2.0	ug/Kg			07/13/19 20:36	1
1,3-Dichlorobenzene	ND		1.0	ug/Kg			07/13/19 20:36	1
1,3-Dichloropropane	ND		1.0	ug/Kg			07/13/19 20:36	1
1,4-Dichlorobenzene	ND		1.0	ug/Kg			07/13/19 20:36	1
2,2-Dichloropropane	ND		5.0	ug/Kg			07/13/19 20:36	1
2-Butanone	ND		20	ug/Kg			07/13/19 20:36	1
1,4-Dioxane	ND		100	ug/Kg			07/13/19 20:36	1
2-Chlorotoluene	ND		1.0	ug/Kg			07/13/19 20:36	1
2-Hexanone	ND		20	ug/Kg			07/13/19 20:36	1
4-Chlorotoluene	ND		1.0	ug/Kg			07/13/19 20:36	1
4-Methyl-2-pentanone	ND		20	ug/Kg			07/13/19 20:36	1
Acetone	ND		50	ug/Kg			07/13/19 20:36	1
Benzene	ND		1.0	ug/Kg			07/13/19 20:36	1
Bromobenzene	ND		1.0	ug/Kg			07/13/19 20:36	1
Bromochloromethane	ND		2.0	ug/Kg			07/13/19 20:36	1
Bromodichloromethane	ND		1.0	ug/Kg			07/13/19 20:36	1
Bromoform	ND		5.0	ug/Kg			07/13/19 20:36	1
Bromomethane	ND		20	ug/Kg			07/13/19 20:36	1
cis-1,2-Dichloroethene	ND		1.0	ug/Kg			07/13/19 20:36	1
cis-1,3-Dichloropropene	ND		1.0	ug/Kg			07/13/19 20:36	1
Carbon disulfide	ND		10	ug/Kg			07/13/19 20:36	1
Carbon tetrachloride	ND		1.0	ug/Kg			07/13/19 20:36	1
Chlorobenzene	ND		1.0	ug/Kg			07/13/19 20:36	1
Chloroethane	ND		2.0	ug/Kg			07/13/19 20:36	1
Chloroform	ND		1.0	ug/Kg			07/13/19 20:36	1
Chloromethane	ND		20	ug/Kg			07/13/19 20:36	1
Dibromochloromethane	ND		2.0	ug/Kg			07/13/19 20:36	1
Dibromomethane	ND		1.0	ug/Kg			07/13/19 20:36	1
Dichlorodifluoromethane	ND		2.0	ug/Kg			07/13/19 20:36	1
Di-isopropyl ether (DIPE)	ND		1.0	ug/Kg			07/13/19 20:36	1
Ethanol	ND		500	ug/Kg			07/13/19 20:36	1

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

Lab Sample ID: MB 570-5069/8 **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5069

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	ug/Kg			07/13/19 20:36	1
Ethyl-t-butyl ether (ETBE)	ND		1.0	ug/Kg			07/13/19 20:36	1
Isopropylbenzene	ND		1.0	ug/Kg			07/13/19 20:36	1
Methylene Chloride	ND		10	ug/Kg			07/13/19 20:36	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0	ug/Kg			07/13/19 20:36	1
Naphthalene	ND		10	ug/Kg			07/13/19 20:36	1
n-Butylbenzene	ND		1.0	ug/Kg			07/13/19 20:36	1
N-Propylbenzene	ND		2.0	ug/Kg			07/13/19 20:36	1
o-Xylene	ND		1.0	ug/Kg			07/13/19 20:36	1
m,p-Xylene	ND		2.0	ug/Kg			07/13/19 20:36	1
p-Isopropyltoluene	ND		1.0	ug/Kg			07/13/19 20:36	1
sec-Butylbenzene	ND		1.0	ug/Kg			07/13/19 20:36	1
Styrene	ND		1.0	ug/Kg			07/13/19 20:36	1
trans-1,2-Dichloroethene	ND		1.0	ug/Kg			07/13/19 20:36	1
trans-1,3-Dichloropropene	ND		2.0	ug/Kg			07/13/19 20:36	1
Tert-amyl-methyl ether (TAME)	ND		1.0	ug/Kg			07/13/19 20:36	1
tert-Butyl alcohol (TBA)	ND		20	ug/Kg			07/13/19 20:36	1
tert-Butylbenzene	ND		1.0	ug/Kg			07/13/19 20:36	1
Tetrachloroethene	ND		1.0	ug/Kg			07/13/19 20:36	1
Toluene	ND		1.0	ug/Kg			07/13/19 20:36	1
Trichloroethene	ND		2.0	ug/Kg			07/13/19 20:36	1
Trichlorofluoromethane	ND		10	ug/Kg			07/13/19 20:36	1
Vinyl acetate	ND		10	ug/Kg			07/13/19 20:36	1
Vinyl chloride	ND		1.0	ug/Kg			07/13/19 20:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*71 - 155*		*07/13/19 20:36*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*07/13/19 20:36*	*1*
Dibromofluoromethane	*94*		*79 - 133*		*07/13/19 20:36*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/13/19 20:36*	*1*

Lab Sample ID: LCS 570-5069/4 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5069

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	52.30		ug/Kg		105	71 - 125
1,2-Dibromoethane	50.0	52.20		ug/Kg		104	80 - 120
1,2-Dichlorobenzene	50.0	56.63		ug/Kg		113	80 - 120
1,2-Dichloroethane	50.0	48.85		ug/Kg		98	79 - 121
1,4-Dioxane	500	562.9		ug/Kg		113	80 - 120
Benzene	50.0	53.23		ug/Kg		106	79 - 120
Carbon tetrachloride	50.0	49.00		ug/Kg		98	58 - 142
Chlorobenzene	50.0	52.36		ug/Kg		105	80 - 120
Di-isopropyl ether (DIPE)	50.0	51.96		ug/Kg		104	65 - 131
Ethanol	500	468.3	J	ug/Kg		94	32 - 158
Ethylbenzene	50.0	54.36		ug/Kg		109	57 - 153
Ethyl-t-butyl ether (ETBE)	50.0	55.88		ug/Kg		112	58 - 136

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

Lab Sample ID: LCS 570-5069/4
Matrix: Solid
Analysis Batch: 5069

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl-t-Butyl Ether (MTBE)	50.0	56.54		ug/Kg		113	64 - 124
o-Xylene	50.0	53.41		ug/Kg		107	79 - 127
m,p-Xylene	100	107.0		ug/Kg		107	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*85*		*71 - 155*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane	*92*		*79 - 133*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 570-5069/5
Matrix: Solid
Analysis Batch: 5069

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	50.0	51.98		ug/Kg		104	71 - 125	1	20
1,2-Dibromoethane	50.0	53.21		ug/Kg		106	80 - 120	2	20
1,2-Dichlorobenzene	50.0	57.77		ug/Kg		116	80 - 120	2	20
1,2-Dichloroethane	50.0	48.53		ug/Kg		97	79 - 121	1	20
1,4-Dioxane	500	554.2		ug/Kg		111	80 - 120	2	20
Benzene	50.0	52.99		ug/Kg		106	79 - 120	0	20
Carbon tetrachloride	50.0	49.01		ug/Kg		98	58 - 142	0	20
Chlorobenzene	50.0	53.36		ug/Kg		107	80 - 120	2	20
Di-isopropyl ether (DIPE)	50.0	52.12		ug/Kg		104	65 - 131	0	20
Ethanol	500	484.3	J	ug/Kg		97	32 - 158	3	27
Ethylbenzene	50.0	54.72		ug/Kg		109	57 - 153	1	20
Ethyl-t-butyl ether (ETBE)	50.0	56.25		ug/Kg		113	58 - 136	1	20
Methyl-t-Butyl Ether (MTBE)	50.0	57.12		ug/Kg		114	64 - 124	1	20
o-Xylene	50.0	53.26		ug/Kg		107	79 - 127	0	20
m,p-Xylene	100	107.2		ug/Kg		107	80 - 122	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*85*		*71 - 155*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane	*92*		*79 - 133*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCS 570-5144/4
Matrix: Solid
Analysis Batch: 5144

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	50.0	47.51		ug/Kg		95	71 - 125
1,2-Dibromoethane	50.0	47.40		ug/Kg		95	80 - 120
1,2-Dichlorobenzene	50.0	47.80		ug/Kg		96	80 - 120
1,2-Dichloroethane	50.0	49.89		ug/Kg		100	79 - 121
1,4-Dioxane	500	454.3		ug/Kg		91	80 - 120
Benzene	50.0	46.97		ug/Kg		94	79 - 120

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

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

Lab Sample ID: LCS 570-5144/4
Matrix: Solid
Analysis Batch: 5144

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	50.0	49.31		ug/Kg		99	58 - 142
Chlorobenzene	50.0	46.13		ug/Kg		92	80 - 120
Di-isopropyl ether (DIPE)	50.0	46.61		ug/Kg		93	65 - 131
Ethanol	500	433.1	J	ug/Kg		87	32 - 158
Ethylbenzene	50.0	47.99		ug/Kg		96	57 - 153
Ethyl-t-butyl ether (ETBE)	50.0	46.70		ug/Kg		93	58 - 136
Methyl-t-Butyl Ether (MTBE)	50.0	44.28		ug/Kg		89	64 - 124
o-Xylene	50.0	48.07		ug/Kg		96	79 - 127
m,p-Xylene	100	96.92		ug/Kg		97	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*71 - 155*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane	*101*		*79 - 133*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: LCSD 570-5144/5
Matrix: Solid
Analysis Batch: 5144

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	50.0	46.71		ug/Kg		93	71 - 125	2	20
1,2-Dibromoethane	50.0	47.95		ug/Kg		96	80 - 120	1	20
1,2-Dichlorobenzene	50.0	47.76		ug/Kg		96	80 - 120	0	20
1,2-Dichloroethane	50.0	49.77		ug/Kg		100	79 - 121	0	20
1,4-Dioxane	500	476.5		ug/Kg		95	80 - 120	5	20
Benzene	50.0	46.38		ug/Kg		93	79 - 120	1	20
Carbon tetrachloride	50.0	48.72		ug/Kg		97	58 - 142	1	20
Chlorobenzene	50.0	45.65		ug/Kg		91	80 - 120	1	20
Di-isopropyl ether (DIPE)	50.0	46.21		ug/Kg		92	65 - 131	1	20
Ethanol	500	417.7	J	ug/Kg		84	32 - 158	4	27
Ethylbenzene	50.0	47.58		ug/Kg		95	57 - 153	1	20
Ethyl-t-butyl ether (ETBE)	50.0	45.72		ug/Kg		91	58 - 136	2	20
Methyl-t-Butyl Ether (MTBE)	50.0	44.27		ug/Kg		89	64 - 124	0	20
o-Xylene	50.0	47.23		ug/Kg		94	79 - 127	2	20
m,p-Xylene	100	95.63		ug/Kg		96	80 - 122	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*71 - 155*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*
Dibromofluoromethane	*101*		*79 - 133*
Toluene-d8 (Surr)	*102*		*80 - 120*

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

Lab Sample ID: MB 570-5207/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5144 **Prep Batch: 5207**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1,1-Trichloroethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1,2,2-Tetrachloroethane	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1,2-Trichloroethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1-Dichloroethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1-Dichloroethene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1-Dichloropropene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2,3-Trichlorobenzene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2,3-Trichloropropane	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2,4-Trichlorobenzene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2,4-Trimethylbenzene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2-Dibromo-3-Chloropropane	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2-Dibromoethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2-Dichlorobenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2-Dichloroethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2-Dichloropropane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,3,5-Trimethylbenzene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,3-Dichlorobenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,3-Dichloropropane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,4-Dichlorobenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
2,2-Dichloropropane	ND		510		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
2-Butanone	ND		2000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,4-Dioxane	ND		10000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
2-Chlorotoluene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
2-Hexanone	ND		2000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
4-Chlorotoluene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
4-Methyl-2-pentanone	ND		2000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Acetone	ND		5100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Benzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Bromobenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Bromochloromethane	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Bromodichloromethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Bromoform	ND		510		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Bromomethane	ND		2000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
cis-1,2-Dichloroethene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
cis-1,3-Dichloropropene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Carbon disulfide	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Carbon tetrachloride	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Chlorobenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Chloroethane	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Chloroform	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Chloromethane	ND		2000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Dibromochloromethane	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Dibromomethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Dichlorodifluoromethane	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Di-isopropyl ether (DIPE)	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Ethanol	ND		51000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

1 2 3 4 5 6 7 8 9 10 11 12 13 14

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

Lab Sample ID: MB 570-5207/1-A
Matrix: Solid
Analysis Batch: 5144

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5207

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Ethyl-t-butyl ether (ETBE)	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Isopropylbenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Methylene Chloride	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Methyl-t-Butyl Ether (MTBE)	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Naphthalene	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
n-Butylbenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
N-Propylbenzene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
o-Xylene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
m,p-Xylene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
p-Isopropyltoluene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
sec-Butylbenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Styrene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
trans-1,2-Dichloroethene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
trans-1,3-Dichloropropene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Tert-amyl-methyl ether (TAME)	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
tert-Butyl alcohol (TBA)	ND		2000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
tert-Butylbenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Tetrachloroethene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Toluene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Trichloroethene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Trichlorofluoromethane	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Vinyl acetate	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Vinyl chloride	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*71 - 155*	*07/15/19 09:30*	*07/15/19 14:34*	*50*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*	*07/15/19 09:30*	*07/15/19 14:34*	*50*
Dibromofluoromethane	*102*		*79 - 133*	*07/15/19 09:30*	*07/15/19 14:34*	*50*
Toluene-d8 (Surr)	*103*		*80 - 120*	*07/15/19 09:30*	*07/15/19 14:34*	*50*

Lab Sample ID: MB 570-5209/1-A
Matrix: Solid
Analysis Batch: 5144

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5209

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1-Dichloroethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1-Dichloroethene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1-Dichloropropene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1

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

Lab Sample ID: MB 570-5209/1-A
Matrix: Solid
Analysis Batch: 5144

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5209

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2-Dibromoethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2-Dichloroethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2-Dichloropropane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,3-Dichloropropane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
2,2-Dichloropropane	ND		5.1		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
2-Butanone	ND		20		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,4-Dioxane	ND		100		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
2-Chlorotoluene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
2-Hexanone	ND		20		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
4-Chlorotoluene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
4-Methyl-2-pentanone	ND		20		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Acetone	ND		51		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Benzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Bromobenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Bromochloromethane	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Bromodichloromethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Bromoform	ND		5.1		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Bromomethane	ND		20		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Carbon disulfide	ND		10		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Carbon tetrachloride	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Chlorobenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Chloroethane	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Chloroform	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Chloromethane	ND		20		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Dibromochloromethane	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Dibromomethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Ethanol	ND		510		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Ethylbenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Isopropylbenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Methylene Chloride	ND		10		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Naphthalene	ND		10		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
n-Butylbenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
N-Propylbenzene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
o-Xylene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
m,p-Xylene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
p-Isopropyltoluene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
sec-Butylbenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Styrene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1

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

Lab Sample ID: MB 570-5209/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5144 **Prep Batch: 5209**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
trans-1,3-Dichloropropene	ND		2.0	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Tert-amyl-methyl ether (TAME)	ND		1.0	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
tert-Butyl alcohol (TBA)	ND		20	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
tert-Butylbenzene	ND		1.0	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Tetrachloroethene	ND		1.0	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Toluene	ND		1.0	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Trichloroethene	ND		2.0	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Trichlorofluoromethane	ND		10	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Vinyl acetate	ND		10	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Vinyl chloride	ND		1.0	ug/Kg		07/15/19 13:33	07/15/19 14:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*71 - 155*	*07/15/19 13:33*	*07/15/19 14:09*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*	*07/15/19 13:33*	*07/15/19 14:09*	*1*
Dibromofluoromethane	*107*		*79 - 133*	*07/15/19 13:33*	*07/15/19 14:09*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*07/15/19 13:33*	*07/15/19 14:09*	*1*

Lab Sample ID: MB 570-5343/3-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5355 **Prep Batch: 5343**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1,1-Trichloroethane	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1,2-Trichloroethane	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1-Dichloroethane	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1-Dichloroethene	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1-Dichloropropene	ND		2.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2,3-Trichlorobenzene	ND		2.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2,3-Trichloropropane	ND		2.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2,4-Trichlorobenzene	ND		2.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2,4-Trimethylbenzene	ND		2.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2-Dibromo-3-Chloropropane	ND		10	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2-Dibromoethane	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2-Dichlorobenzene	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2-Dichloroethane	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2-Dichloropropane	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,3,5-Trimethylbenzene	ND		2.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,3-Dichlorobenzene	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,3-Dichloropropane	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,4-Dichlorobenzene	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
2,2-Dichloropropane	ND		5.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
2-Butanone	ND		20	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,4-Dioxane	ND		100	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
2-Chlorotoluene	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1

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

Lab Sample ID: MB 570-5343/3-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5355 **Prep Batch: 5343**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		20		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
4-Chlorotoluene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
4-Methyl-2-pentanone	ND		20		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Acetone	ND		50		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Benzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Bromobenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Bromochloromethane	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Bromodichloromethane	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Bromoform	ND		5.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Bromomethane	ND		20		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Carbon disulfide	ND		10		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Carbon tetrachloride	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Chlorobenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Chloroethane	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Chloroform	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Chloromethane	ND		20		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Dibromochloromethane	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Dibromomethane	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Ethanol	ND		500		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Ethylbenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Isopropylbenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Methylene Chloride	ND		10		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Naphthalene	ND		10		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
n-Butylbenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
N-Propylbenzene	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
o-Xylene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
m,p-Xylene	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
p-Isopropyltoluene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
sec-Butylbenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Styrene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
tert-Butylbenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Tetrachloroethene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Toluene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Trichloroethene	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Trichlorofluoromethane	ND		10		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Vinyl acetate	ND		10		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Vinyl chloride	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1

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

Lab Sample ID: MB 570-5343/3-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5355 **Prep Batch: 5343**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*119*		*71 - 155*	*07/16/19 09:31*	*07/16/19 12:38*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*	*07/16/19 09:31*	*07/16/19 12:38*	*1*
Dibromofluoromethane	*107*		*79 - 133*	*07/16/19 09:31*	*07/16/19 12:38*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/16/19 09:31*	*07/16/19 12:38*	*1*

Lab Sample ID: LCS 570-5343/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5355 **Prep Batch: 5343**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.2	49.55		ug/Kg		99	71 - 125
1,2-Dibromoethane	50.2	52.33		ug/Kg		104	80 - 120
1,2-Dichlorobenzene	50.2	53.66		ug/Kg		107	80 - 120
1,2-Dichloroethane	50.2	55.95		ug/Kg		111	79 - 121
1,4-Dioxane	502	436.9		ug/Kg		87	80 - 120
Benzene	50.2	51.20		ug/Kg		102	79 - 120
Carbon tetrachloride	50.2	59.62		ug/Kg		119	58 - 142
Chlorobenzene	50.2	53.28		ug/Kg		106	80 - 120
Di-isopropyl ether (DIPE)	50.2	53.50		ug/Kg		107	65 - 131
Ethanol	502	429.0	J	ug/Kg		85	32 - 158
Ethylbenzene	50.2	54.97		ug/Kg		110	57 - 153
Ethyl-t-butyl ether (ETBE)	50.2	49.44		ug/Kg		98	58 - 136
Methyl-t-Butyl Ether (MTBE)	50.2	43.31		ug/Kg		86	64 - 124
o-Xylene	50.2	55.56		ug/Kg		111	79 - 127
m,p-Xylene	100	110.4		ug/Kg		110	80 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*115*		*71 - 155*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Dibromofluoromethane	*106*		*79 - 133*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 570-5343/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5355 **Prep Batch: 5343**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	50.5	49.42		ug/Kg		98	71 - 125	0	20
1,2-Dibromoethane	50.5	52.85		ug/Kg		105	80 - 120	1	20
1,2-Dichlorobenzene	50.5	53.70		ug/Kg		106	80 - 120	0	20
1,2-Dichloroethane	50.5	55.38		ug/Kg		110	79 - 121	1	20
1,4-Dioxane	505	480.1		ug/Kg		95	80 - 120	9	20
Benzene	50.5	51.52		ug/Kg		102	79 - 120	1	20
Carbon tetrachloride	50.5	60.93		ug/Kg		121	58 - 142	2	20
Chlorobenzene	50.5	53.97		ug/Kg		107	80 - 120	1	20
Di-isopropyl ether (DIPE)	50.5	54.33		ug/Kg		108	65 - 131	2	20
Ethanol	505	455.4	J	ug/Kg		90	32 - 158	6	27
Ethylbenzene	50.5	55.52		ug/Kg		110	57 - 153	1	20

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

Lab Sample ID: LCSD 570-5343/2-A | **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 5355 | **Prep Batch: 5343**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethyl-t-butyl ether (ETBE)	50.5	49.98		ug/Kg		99	58 - 136	1	20
Methyl-t-Butyl Ether (MTBE)	50.5	43.74		ug/Kg		87	64 - 124	1	20
o-Xylene	50.5	55.94		ug/Kg		111	79 - 127	1	20
m,p-Xylene	101	111.8		ug/Kg		111	80 - 122	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*116*		*71 - 155*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Dibromofluoromethane	*108*		*79 - 133*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 570-5345/1-A | **Client Sample ID: Method Blank**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 5355 | **Prep Batch: 5345**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1,1-Trichloroethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1,2,2-Tetrachloroethane	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1,2-Trichloroethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1-Dichloroethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1-Dichloroethene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1-Dichloropropene	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2,3-Trichlorobenzene	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2,3-Trichloropropane	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2,4-Trichlorobenzene	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2,4-Trimethylbenzene	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2-Dibromo-3-Chloropropane	ND		1000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2-Dibromoethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2-Dichlorobenzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2-Dichloroethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2-Dichloropropane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,3,5-Trimethylbenzene	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,3-Dichlorobenzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,3-Dichloropropane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,4-Dichlorobenzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
2,2-Dichloropropane	ND		500	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
2-Butanone	ND		2000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,4-Dioxane	ND		10000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
2-Chlorotoluene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
2-Hexanone	ND		2000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
4-Chlorotoluene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
4-Methyl-2-pentanone	ND		2000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Acetone	ND		5000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Benzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Bromobenzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Bromochloromethane	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

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

Lab Sample ID: MB 570-5345/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5355 **Prep Batch: 5345**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Bromoform	ND		500		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Bromomethane	ND		2000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
cis-1,2-Dichloroethene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
cis-1,3-Dichloropropene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Carbon disulfide	ND		1000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Carbon tetrachloride	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Chlorobenzene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Chloroethane	ND		200		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Chloroform	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Chloromethane	ND		2000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Dibromochloromethane	ND		200		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Dibromomethane	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Dichlorodifluoromethane	ND		200		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Di-isopropyl ether (DIPE)	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Ethanol	ND		50000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Ethylbenzene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Ethyl-t-butyl ether (ETBE)	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Isopropylbenzene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Methylene Chloride	ND		1000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Methyl-t-Butyl Ether (MTBE)	ND		200		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Naphthalene	ND		1000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
n-Butylbenzene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
N-Propylbenzene	ND		200		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
o-Xylene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
m,p-Xylene	ND		200		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
p-Isopropyltoluene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
sec-Butylbenzene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Styrene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
trans-1,2-Dichloroethene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
trans-1,3-Dichloropropene	ND		200		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Tert-amyl-methyl ether (TAME)	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
tert-Butyl alcohol (TBA)	ND		2000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
tert-Butylbenzene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Tetrachloroethene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Toluene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Trichloroethene	ND		200		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Trichlorofluoromethane	ND		1000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Vinyl acetate	ND		1000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Vinyl chloride	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*71 - 155*	*07/16/19 09:36*	*07/16/19 13:05*	*50*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*	*07/16/19 09:36*	*07/16/19 13:05*	*50*
Dibromofluoromethane	*103*		*79 - 133*	*07/16/19 09:36*	*07/16/19 13:05*	*50*
Toluene-d8 (Surr)	*101*		*80 - 120*	*07/16/19 09:36*	*07/16/19 13:05*	*50*

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

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

Lab Sample ID: MB 570-5489/9
Matrix: Water
Analysis Batch: 5489

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			07/16/19 18:35	1
1,1,1-Trichloroethane	ND		1.0		ug/L			07/16/19 18:35	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			07/16/19 18:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			07/16/19 18:35	1
1,1,2-Trichloroethane	ND		1.0		ug/L			07/16/19 18:35	1
1,1-Dichloroethane	ND		1.0		ug/L			07/16/19 18:35	1
1,1-Dichloroethene	ND		1.0		ug/L			07/16/19 18:35	1
1,1-Dichloropropene	ND		1.0		ug/L			07/16/19 18:35	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
1,2,3-Trichloropropane	ND		5.0		ug/L			07/16/19 18:35	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			07/16/19 18:35	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			07/16/19 18:35	1
1,2-Dibromoethane	ND		1.0		ug/L			07/16/19 18:35	1
1,2-Dichlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
1,2-Dichloroethane	ND		0.50		ug/L			07/16/19 18:35	1
1,2-Dichloropropane	ND		1.0		ug/L			07/16/19 18:35	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			07/16/19 18:35	1
1,3-Dichlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
1,3-Dichloropropane	ND		1.0		ug/L			07/16/19 18:35	1
1,4-Dichlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
2,2-Dichloropropane	ND		1.0		ug/L			07/16/19 18:35	1
2-Butanone	ND		20		ug/L			07/16/19 18:35	1
1,4-Dioxane	ND		100		ug/L			07/16/19 18:35	1
2-Chlorotoluene	ND		1.0		ug/L			07/16/19 18:35	1
2-Hexanone	ND		10		ug/L			07/16/19 18:35	1
4-Chlorotoluene	ND		1.0		ug/L			07/16/19 18:35	1
4-Methyl-2-pentanone	ND		10		ug/L			07/16/19 18:35	1
Acetone	ND		20		ug/L			07/16/19 18:35	1
Benzene	ND		1.0		ug/L			07/16/19 18:35	1
Bromobenzene	ND		1.0		ug/L			07/16/19 18:35	1
Bromochloromethane	ND		2.0		ug/L			07/16/19 18:35	1
Bromodichloromethane	ND		1.0		ug/L			07/16/19 18:35	1
Bromoform	ND		5.0		ug/L			07/16/19 18:35	1
Bromomethane	ND		50		ug/L			07/16/19 18:35	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			07/16/19 18:35	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			07/16/19 18:35	1
Carbon disulfide	ND		10		ug/L			07/16/19 18:35	1
Carbon tetrachloride	ND		0.50		ug/L			07/16/19 18:35	1
Chlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
Chloroethane	ND		5.0		ug/L			07/16/19 18:35	1
Chloroform	ND		1.0		ug/L			07/16/19 18:35	1
Chloromethane	ND		10		ug/L			07/16/19 18:35	1
Dibromochloromethane	ND		2.0		ug/L			07/16/19 18:35	1
Dibromomethane	ND		1.0		ug/L			07/16/19 18:35	1
Dichlorodifluoromethane	ND		5.0		ug/L			07/16/19 18:35	1
Di-isopropyl ether (DIPE)	ND		2.0		ug/L			07/16/19 18:35	1
Ethanol	ND		100		ug/L			07/16/19 18:35	1

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

Lab Sample ID: MB 570-5489/9
Matrix: Water
Analysis Batch: 5489

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	ug/L			07/16/19 18:35	1
Ethyl-t-butyl ether (ETBE)	ND		2.0	ug/L			07/16/19 18:35	1
Isopropylbenzene	ND		1.0	ug/L			07/16/19 18:35	1
Methylene Chloride	ND		10	ug/L			07/16/19 18:35	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0	ug/L			07/16/19 18:35	1
Naphthalene	ND		10	ug/L			07/16/19 18:35	1
n-Butylbenzene	ND		1.0	ug/L			07/16/19 18:35	1
N-Propylbenzene	ND		1.0	ug/L			07/16/19 18:35	1
o-Xylene	ND		1.0	ug/L			07/16/19 18:35	1
m,p-Xylene	ND		2.0	ug/L			07/16/19 18:35	1
p-Isopropyltoluene	ND		1.0	ug/L			07/16/19 18:35	1
sec-Butylbenzene	ND		1.0	ug/L			07/16/19 18:35	1
Styrene	ND		1.0	ug/L			07/16/19 18:35	1
trans-1,2-Dichloroethene	ND		1.0	ug/L			07/16/19 18:35	1
trans-1,3-Dichloropropene	ND		0.50	ug/L			07/16/19 18:35	1
Tert-amyl-methyl ether (TAME)	ND		2.0	ug/L			07/16/19 18:35	1
tert-Butyl alcohol (TBA)	ND		10	ug/L			07/16/19 18:35	1
tert-Butylbenzene	ND		1.0	ug/L			07/16/19 18:35	1
Tetrachloroethene	ND		1.0	ug/L			07/16/19 18:35	1
Toluene	ND		1.0	ug/L			07/16/19 18:35	1
Trichloroethene	ND		1.0	ug/L			07/16/19 18:35	1
Trichlorofluoromethane	ND		10	ug/L			07/16/19 18:35	1
Vinyl acetate	ND		10	ug/L			07/16/19 18:35	1
Vinyl chloride	ND		0.50	ug/L			07/16/19 18:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 129*		*07/16/19 18:35*	*1*
4-Bromofluorobenzene (Surr)	*95*		*77 - 120*		*07/16/19 18:35*	*1*
Dibromofluoromethane	*100*		*80 - 128*		*07/16/19 18:35*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/16/19 18:35*	*1*

Lab Sample ID: LCS 570-5489/4
Matrix: Water
Analysis Batch: 5489

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	50.0	47.66		ug/L		95	64 - 136
1,2-Dibromoethane	50.0	51.24		ug/L		102	80 - 120
1,2-Dichlorobenzene	50.0	49.71		ug/L		99	80 - 120
1,2-Dichloroethane	50.0	50.63		ug/L		101	75 - 123
1,4-Dioxane	500	489.5		ug/L		98	64 - 130
Benzene	50.0	49.85		ug/L		100	78 - 120
Carbon tetrachloride	50.0	52.73		ug/L		105	67 - 139
Chlorobenzene	50.0	49.57		ug/L		99	80 - 120
Di-isopropyl ether (DIPE)	50.0	46.74		ug/L		93	72 - 132
Ethanol	500	462.6		ug/L		93	56 - 150
Ethylbenzene	50.0	51.58		ug/L		103	80 - 120
Ethyl-t-butyl ether (ETBE)	50.0	44.54		ug/L		89	74 - 122

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

Lab Sample ID: LCS 570-5489/4 | **Client Sample ID: Lab Control Sample**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 5489

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl-t-Butyl Ether (MTBE)	50.0	41.33		ug/L		83	77 - 120
o-Xylene	50.0	50.76		ug/L		102	80 - 125
m,p-Xylene	100	111.8		ug/L		112	80 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 129*
4-Bromofluorobenzene (Surr)	*103*		*77 - 120*
Dibromofluoromethane	*97*		*80 - 128*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 570-5489/5 | **Client Sample ID: Lab Control Sample Dup**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 5489

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	50.0	48.71		ug/L		97	64 - 136	2	30
1,2-Dibromoethane	50.0	50.51		ug/L		101	80 - 120	1	30
1,2-Dichlorobenzene	50.0	49.55		ug/L		99	80 - 120	0	20
1,2-Dichloroethane	50.0	50.30		ug/L		101	75 - 123	1	24
1,4-Dioxane	500	527.5		ug/L		106	64 - 130	7	30
Benzene	50.0	49.94		ug/L		100	78 - 120	0	21
Carbon tetrachloride	50.0	53.89		ug/L		108	67 - 139	2	30
Chlorobenzene	50.0	49.28		ug/L		99	80 - 120	1	20
Di-isopropyl ether (DIPE)	50.0	47.07		ug/L		94	72 - 132	1	29
Ethanol	500	498.8		ug/L		100	56 - 150	8	30
Ethylbenzene	50.0	52.26		ug/L		105	80 - 120	1	20
Ethyl-t-butyl ether (ETBE)	50.0	44.76		ug/L		90	74 - 122	0	27
Methyl-t-Butyl Ether (MTBE)	50.0	41.84		ug/L		84	77 - 120	1	24
o-Xylene	50.0	51.49		ug/L		103	80 - 125	1	20
m,p-Xylene	100	112.4		ug/L		112	80 - 125	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 129*
4-Bromofluorobenzene (Surr)	*103*		*77 - 120*
Dibromofluoromethane	*100*		*80 - 128*
Toluene-d8 (Surr)	*98*		*80 - 120*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-4949/1-A | **Client Sample ID: Method Blank**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 5257 | **Prep Batch: 4949**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10	ug/L		07/13/19 09:41	07/15/19 19:00	1
1,2-Dichlorobenzene	ND		10	ug/L		07/13/19 09:41	07/15/19 19:00	1
1,3-Dichlorobenzene	ND		10	ug/L		07/13/19 09:41	07/15/19 19:00	1
1,4-Dichlorobenzene	ND		10	ug/L		07/13/19 09:41	07/15/19 19:00	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-4949/1-A　　**Client Sample ID: Method Blank**
Matrix: Water　　**Prep Type: Total/NA**
Analysis Batch: 5257　　**Prep Batch: 4949**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4,5-Trichlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4,6-Trichlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4-Dichlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4-Dimethylphenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4-Dinitrophenol	ND		50		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4-Dinitrotoluene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,6-Dichlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,6-Dinitrotoluene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Chloronaphthalene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Chlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Methylnaphthalene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Methylphenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Nitroaniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Nitrophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
3,3'-Dichlorobenzidine	ND		25		ug/L		07/13/19 09:41	07/15/19 19:00	1
3 & 4 Methylphenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
3-Nitroaniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4,6-Dinitro-2-methylphenol	ND		50		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Bromophenyl phenyl ether	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Chloro-3-methylphenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Chloroaniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Chlorophenyl phenyl ether	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Nitroaniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Nitrophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Acenaphthene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Acenaphthylene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Aniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Anthracene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Azobenzene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzidine	ND		50		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[a]anthracene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[a]pyrene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[b]fluoranthene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[g,h,i]perylene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[k]fluoranthene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzoic acid	ND		50		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzyl alcohol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Bis(2-chloroethoxy)methane	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Bis(2-chloroethyl)ether	ND		25		ug/L		07/13/19 09:41	07/15/19 19:00	1
Bis(2-ethylhexyl) phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Butyl benzyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Chrysene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Dibenz(a,h)anthracene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Dibenzofuran	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Diethyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Dimethyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Di-n-butyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Di-n-octyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-4949/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 5257 — **Prep Batch: 4949**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Fluorene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Hexachloro-1,3-butadiene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Hexachlorobenzene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Hexachlorocyclopentadiene	ND		25		ug/L		07/13/19 09:41	07/15/19 19:00	1
Hexachloroethane	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Isophorone	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Naphthalene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Nitrobenzene	ND		25		ug/L		07/13/19 09:41	07/15/19 19:00	1
N-Nitrosodimethylamine	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
N-Nitrosodi-n-propylamine	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
N-Nitrosodiphenylamine	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Pentachlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Phenanthrene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Phenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Pyrene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Pyridine	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
bis (2-Chloroisopropyl) ether	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*32 - 143*	*07/13/19 09:41*	*07/15/19 19:00*	*1*
2-Fluorobiphenyl (Surr)	*86*		*45 - 120*	*07/13/19 09:41*	*07/15/19 19:00*	*1*
2-Fluorophenol (Surr)	*58*		*15 - 138*	*07/13/19 09:41*	*07/15/19 19:00*	*1*
Nitrobenzene-d5 (Surr)	*82*		*56 - 123*	*07/13/19 09:41*	*07/15/19 19:00*	*1*
p-Terphenyl-d14 (Surr)	*113*		*46 - 133*	*07/13/19 09:41*	*07/15/19 19:00*	*1*
Phenol-d6 (Surr)	*36*		*17 - 141*	*07/13/19 09:41*	*07/15/19 19:00*	*1*

Lab Sample ID: LCS 570-4949/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 5257 — **Prep Batch: 4949**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	200	166.3		ug/L		83	49 - 120
1,4-Dichlorobenzene	200	163.0		ug/L		81	30 - 100
2,4-Dinitrotoluene	200	182.7		ug/L		91	50 - 120
2-Chlorophenol	200	175.7		ug/L		88	35 - 105
4-Chloro-3-methylphenol	200	169.4		ug/L		85	45 - 110
4-Nitrophenol	200	87.05		ug/L		44	20 - 150
Acenaphthene	200	174.8		ug/L		87	45 - 110
Acenaphthylene	200	196.7		ug/L		98	50 - 105
Butyl benzyl phthalate	200	173.4		ug/L		87	45 - 115
Dimethyl phthalate	200	180.2		ug/L		90	25 - 125
Fluorene	200	176.8		ug/L		88	50 - 110
Naphthalene	200	161.5		ug/L		81	40 - 100
N-Nitrosodi-n-propylamine	200	176.7		ug/L		88	35 - 130
Pentachlorophenol	200	143.9		ug/L		72	40 - 115
Phenol	200	88.46		ug/L		44	10 - 115

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-4949/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5257 **Prep Batch: 4949**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pyrene	200	176.5		ug/L		88	50 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*86*		*32 - 143*
2-Fluorobiphenyl (Surr)	*90*		*45 - 120*
2-Fluorophenol (Surr)	*65*		*15 - 138*
Nitrobenzene-d5 (Surr)	*88*		*56 - 123*
p-Terphenyl-d14 (Surr)	*95*		*46 - 133*
Phenol-d6 (Surr)	*43*		*17 - 141*

Lab Sample ID: LCSD 570-4949/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5257 **Prep Batch: 4949**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	200	137.1		ug/L		69	49 - 120	19	20
1,4-Dichlorobenzene	200	137.8		ug/L		69	30 - 100	17	26
2,4-Dinitrotoluene	200	150.0		ug/L		75	50 - 120	20	36
2-Chlorophenol	200	148.2		ug/L		74	35 - 105	17	18
4-Chloro-3-methylphenol	200	137.3		ug/L		69	45 - 110	21	40
4-Nitrophenol	200	66.57		ug/L		33	20 - 150	27	40
Acenaphthene	200	143.8		ug/L		72	45 - 110	19	20
Acenaphthylene	200	161.0		ug/L		81	50 - 105	20	20
Butyl benzyl phthalate	200	145.8		ug/L		73	45 - 115	17	20
Dimethyl phthalate	200	149.0		ug/L		74	25 - 125	19	20
Fluorene	200	144.4		ug/L		72	50 - 110	20	20
Naphthalene	200	135.4		ug/L		68	40 - 100	18	20
N-Nitrosodi-n-propylamine	200	144.8		ug/L		72	35 - 130	20	20
Pentachlorophenol	200	118.3		ug/L		59	40 - 115	20	40
Phenol	200	72.61		ug/L		36	10 - 115	20	23
Pyrene	200	152.4		ug/L		76	50 - 130	15	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*66*		*32 - 143*
2-Fluorobiphenyl (Surr)	*73*		*45 - 120*
2-Fluorophenol (Surr)	*51*		*15 - 138*
Nitrobenzene-d5 (Surr)	*69*		*56 - 123*
p-Terphenyl-d14 (Surr)	*77*		*46 - 133*
Phenol-d6 (Surr)	*33*		*17 - 141*

Lab Sample ID: MB 570-5032/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5363 **Prep Batch: 5032**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	mg/Kg		07/13/19 15:17	07/16/19 11:49	1
1,2-Dichlorobenzene	ND		0.50	mg/Kg		07/13/19 15:17	07/16/19 11:49	1
1,3-Dichlorobenzene	ND		0.50	mg/Kg		07/13/19 15:17	07/16/19 11:49	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-5032/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5363 **Prep Batch: 5032**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
1-Methylnaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2,4,5-Trichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2,4,6-Trichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2,4-Dichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2,4-Dinitrotoluene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2-Chlorophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2-Methylnaphthalene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2-Methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
2-Nitrophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
3 & 4 Methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
3-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
4-Bromophenyl phenyl ether	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
4-Chloro-3-methylphenol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
4-Chloroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
4-Nitroaniline	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
4-Nitrophenol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Acenaphthene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Acenaphthylene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Aniline	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Azobenzene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Benzidine	ND		5.0		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Benzoic acid	ND		2.5		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Benzyl alcohol	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Chrysene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Dibenzofuran	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Diethyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Dimethyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/13/19 15:17	07/16/19 11:49	1

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-5032/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5363 **Prep Batch: 5032**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		0.50	mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Fluoranthene	ND		0.50	mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Fluorene	ND		0.50	mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Hexachloro-1,3-butadiene	ND		0.50	mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Hexachlorobenzene	ND		0.50	mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Hexachlorocyclopentadiene	ND		1.5	mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Hexachloroethane	ND		0.50	mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Indeno[1,2,3-cd]pyrene	ND		0.50	mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Isophorone	ND		0.50	mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Naphthalene	ND		0.50	mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Nitrobenzene	ND		2.0	mg/Kg		07/13/19 15:17	07/16/19 11:49	1
N-Nitrosodimethylamine	ND		0.50	mg/Kg		07/13/19 15:17	07/16/19 11:49	1
N-Nitrosodi-n-propylamine	ND		0.50	mg/Kg		07/13/19 15:17	07/16/19 11:49	1
N-Nitrosodiphenylamine	ND		0.50	mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Pentachlorophenol	ND		2.5	mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Phenanthrene	ND		0.50	mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Phenol	ND		0.50	mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Pyrene	ND		0.50	mg/Kg		07/13/19 15:17	07/16/19 11:49	1
Pyridine	ND		0.50	mg/Kg		07/13/19 15:17	07/16/19 11:49	1
bis (2-Chloroisopropyl) ether	ND		0.50	mg/Kg		07/13/19 15:17	07/16/19 11:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*18 - 138*	*07/13/19 15:17*	*07/16/19 11:49*	*1*
2-Fluorobiphenyl (Surr)	*98*		*27 - 120*	*07/13/19 15:17*	*07/16/19 11:49*	*1*
2-Fluorophenol (Surr)	*92*		*25 - 120*	*07/13/19 15:17*	*07/16/19 11:49*	*1*
Nitrobenzene-d5 (Surr)	*93*		*33 - 123*	*07/13/19 15:17*	*07/16/19 11:49*	*1*
p-Terphenyl-d14 (Surr)	*107*		*27 - 159*	*07/13/19 15:17*	*07/16/19 11:49*	*1*
Phenol-d6 (Surr)	*95*		*26 - 122*	*07/13/19 15:17*	*07/16/19 11:49*	*1*

Lab Sample ID: LCS 570-5032/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5363 **Prep Batch: 5032**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	10.0	7.294		mg/Kg		73	45 - 129
1,4-Dichlorobenzene	10.0	7.167		mg/Kg		72	42 - 132
2,4-Dinitrotoluene	10.0	9.043		mg/Kg		90	51 - 129
2-Chlorophenol	10.0	8.098		mg/Kg		81	58 - 124
4-Chloro-3-methylphenol	10.0	6.926		mg/Kg		69	55 - 151
4-Nitrophenol	10.0	6.094		mg/Kg		61	24 - 126
Acenaphthene	10.0	7.182		mg/Kg		72	51 - 123
Acenaphthylene	10.0	8.223		mg/Kg		82	52 - 120
Butyl benzyl phthalate	10.0	10.21		mg/Kg		102	43 - 139
Dimethyl phthalate	10.0	7.703		mg/Kg		77	51 - 123
Fluorene	10.0	7.117		mg/Kg		71	54 - 126
Naphthalene	10.0	7.207		mg/Kg		72	32 - 146
N-Nitrosodi-n-propylamine	10.0	7.470		mg/Kg		75	40 - 136
Pentachlorophenol	10.0	4.179		mg/Kg		42	23 - 131

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-5032/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5363 **Prep Batch: 5032**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	10.0	7.949		mg/Kg		79	40 - 130
Pyrene	10.0	9.659		mg/Kg		97	47 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*84*		*18 - 138*
2-Fluorobiphenyl (Surr)	*81*		*27 - 120*
2-Fluorophenol (Surr)	*81*		*25 - 120*
Nitrobenzene-d5 (Surr)	*76*		*33 - 123*
p-Terphenyl-d14 (Surr)	*108*		*27 - 159*
Phenol-d6 (Surr)	*84*		*26 - 122*

Lab Sample ID: 570-1375-4 MS **Client Sample ID: HA6-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5696 **Prep Batch: 5032**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		10.0	7.578		mg/Kg		76	56 - 120
1,4-Dichlorobenzene	ND		10.0	6.942		mg/Kg		69	43 - 120
2,4-Dinitrotoluene	ND		10.0	8.980		mg/Kg		90	28 - 120
2-Chlorophenol	ND		10.0	8.531		mg/Kg		85	53 - 120
4-Chloro-3-methylphenol	ND		10.0	7.968		mg/Kg		80	32 - 120
4-Nitrophenol	ND		10.0	7.362		mg/Kg		74	14 - 128
Acenaphthene	ND		10.0	7.648		mg/Kg		76	34 - 148
Acenaphthylene	ND		10.0	8.620		mg/Kg		86	53 - 120
Butyl benzyl phthalate	ND		10.0	9.198		mg/Kg		92	15 - 189
Dimethyl phthalate	0.88		10.0	8.520		mg/Kg		76	44 - 122
Fluorene	ND		10.0	7.633		mg/Kg		76	12 - 186
Naphthalene	ND		10.0	7.465		mg/Kg		75	20 - 140
N-Nitrosodi-n-propylamine	ND		10.0	7.982		mg/Kg		80	38 - 140
Pentachlorophenol	ND		10.0	6.354		mg/Kg		64	10 - 124
Phenol	ND		10.0	8.636		mg/Kg		86	22 - 124
Pyrene	ND		10.0	9.504		mg/Kg		95	31 - 169

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*96*		*18 - 138*
2-Fluorobiphenyl (Surr)	*78*		*27 - 120*
2-Fluorophenol (Surr)	*77*		*25 - 120*
Nitrobenzene-d5 (Surr)	*65*		*33 - 123*
p-Terphenyl-d14 (Surr)	*100*		*27 - 159*
Phenol-d6 (Surr)	*85*		*26 - 122*

Lab Sample ID: 570-1375-4 MSD **Client Sample ID: HA6-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5696 **Prep Batch: 5032**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		9.90	7.166		mg/Kg		72	56 - 120	6	20
1,4-Dichlorobenzene	ND		9.90	6.667		mg/Kg		67	43 - 120	4	26

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-1375-4 MSD **Client Sample ID: HA6-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5696 **Prep Batch: 5032**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrotoluene	ND		9.90	8.530		mg/Kg		86	28 - 120	5	20
2-Chlorophenol	ND		9.90	8.348		mg/Kg		84	53 - 120	2	20
4-Chloro-3-methylphenol	ND		9.90	7.673		mg/Kg		77	32 - 120	4	20
4-Nitrophenol	ND		9.90	6.989		mg/Kg		71	14 - 128	5	59
Acenaphthene	ND		9.90	7.329		mg/Kg		74	34 - 148	4	20
Acenaphthylene	ND		9.90	8.273		mg/Kg		84	53 - 120	4	20
Butyl benzyl phthalate	ND		9.90	8.582		mg/Kg		87	15 - 189	7	20
Dimethyl phthalate	0.88		9.90	8.278		mg/Kg		75	44 - 122	3	20
Fluorene	ND		9.90	7.323		mg/Kg		74	12 - 186	4	20
Naphthalene	ND		9.90	7.130		mg/Kg		72	20 - 140	5	20
N-Nitrosodi-n-propylamine	ND		9.90	7.585		mg/Kg		77	38 - 140	5	20
Pentachlorophenol	ND		9.90	5.963		mg/Kg		60	10 - 124	6	20
Phenol	ND		9.90	8.320		mg/Kg		84	22 - 124	4	20
Pyrene	ND		9.90	8.699		mg/Kg		88	31 - 169	9	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*90*		*18 - 138*
2-Fluorobiphenyl (Surr)	*75*		*27 - 120*
2-Fluorophenol (Surr)	*75*		*25 - 120*
Nitrobenzene-d5 (Surr)	*63*		*33 - 123*
p-Terphenyl-d14 (Surr)	*93*		*27 - 159*
Phenol-d6 (Surr)	*82*		*26 - 122*

Lab Sample ID: MB 570-6519/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7026 **Prep Batch: 6519**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
1,2-Dichlorobenzene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
1,3-Dichlorobenzene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
1,4-Dichlorobenzene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
1-Methylnaphthalene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2,4,5-Trichlorophenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2,4,6-Trichlorophenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2,4-Dichlorophenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2,4-Dinitrotoluene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2-Chlorophenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2-Methylnaphthalene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2-Methylphenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2-Nitroaniline	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
2-Nitrophenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 13:35	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-6519/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 7026
Prep Batch: 6519

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
3-Nitroaniline	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
4-Bromophenyl phenyl ether	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
4-Chloro-3-methylphenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
4-Chloroaniline	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
4-Nitroaniline	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
4-Nitrophenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Acenaphthene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Acenaphthylene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Aniline	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Anthracene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Azobenzene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Benzidine	ND		5.0		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Benzoic acid	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Benzyl alcohol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Chrysene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Dibenzofuran	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Diethyl phthalate	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Dimethyl phthalate	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Fluoranthene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Fluorene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Hexachlorobenzene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Hexachloroethane	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Isophorone	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Naphthalene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Nitrobenzene	ND		2.0		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Pentachlorophenol	ND		2.5		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Phenanthrene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Phenol	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-6519/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 7026 — **Prep Batch: 6519**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
Pyridine	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/20/19 09:40	07/23/19 13:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*124*		*18 - 138*	*07/20/19 09:40*	*07/23/19 13:35*	*1*
2-Fluorobiphenyl (Surr)	*109*		*27 - 120*	*07/20/19 09:40*	*07/23/19 13:35*	*1*
2-Fluorophenol (Surr)	*102*		*25 - 120*	*07/20/19 09:40*	*07/23/19 13:35*	*1*
Nitrobenzene-d5 (Surr)	*101*		*33 - 123*	*07/20/19 09:40*	*07/23/19 13:35*	*1*
p-Terphenyl-d14 (Surr)	*120*		*27 - 159*	*07/20/19 09:40*	*07/23/19 13:35*	*1*
Phenol-d6 (Surr)	*105*		*26 - 122*	*07/20/19 09:40*	*07/23/19 13:35*	*1*

Lab Sample ID: LCS 570-6519/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 7026 — **Prep Batch: 6519**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	10.0	8.305		mg/Kg		83	45 - 129
1,4-Dichlorobenzene	10.0	7.317		mg/Kg		73	42 - 132
2,4-Dinitrotoluene	10.0	9.857		mg/Kg		99	51 - 129
2-Chlorophenol	10.0	8.769		mg/Kg		88	58 - 124
4-Chloro-3-methylphenol	10.0	8.116		mg/Kg		81	55 - 151
4-Nitrophenol	10.0	7.066		mg/Kg		71	24 - 126
Acenaphthene	10.0	8.223		mg/Kg		82	51 - 123
Acenaphthylene	10.0	9.449		mg/Kg		94	52 - 120
Butyl benzyl phthalate	10.0	10.15		mg/Kg		102	43 - 139
Dimethyl phthalate	10.0	8.633		mg/Kg		86	51 - 123
Fluorene	10.0	8.013		mg/Kg		80	54 - 126
Naphthalene	10.0	7.966		mg/Kg		80	32 - 146
N-Nitrosodi-n-propylamine	10.0	7.809		mg/Kg		78	40 - 136
Pentachlorophenol	10.0	4.219		mg/Kg		42	23 - 131
Phenol	10.0	8.563		mg/Kg		86	40 - 130
Pyrene	10.0	9.518		mg/Kg		95	47 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*92*		*18 - 138*
2-Fluorobiphenyl (Surr)	*89*		*27 - 120*
2-Fluorophenol (Surr)	*83*		*25 - 120*
Nitrobenzene-d5 (Surr)	*81*		*33 - 123*
p-Terphenyl-d14 (Surr)	*105*		*27 - 159*
Phenol-d6 (Surr)	*87*		*26 - 122*

Lab Sample ID: 570-1231-C-10-A MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 7026 — **Prep Batch: 6519**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		9.96	6.950		mg/Kg		70	56 - 120

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-1231-C-10-A MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7026 **Prep Batch: 6519**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	ND		9.96	6.212		mg/Kg		62	43 - 120
2,4-Dinitrotoluene	ND		9.96	8.021		mg/Kg		81	28 - 120
2-Chlorophenol	ND		9.96	7.513		mg/Kg		75	53 - 120
4-Chloro-3-methylphenol	ND		9.96	7.151		mg/Kg		72	32 - 120
4-Nitrophenol	ND		9.96	5.545		mg/Kg		56	14 - 128
Acenaphthene	ND		9.96	6.837		mg/Kg		69	34 - 148
Acenaphthylene	ND		9.96	7.889		mg/Kg		79	53 - 120
Butyl benzyl phthalate	ND		9.96	7.942		mg/Kg		80	15 - 189
Dimethyl phthalate	0.78		9.96	7.586		mg/Kg		68	44 - 122
Fluorene	ND		9.96	6.705		mg/Kg		67	12 - 186
Naphthalene	ND		9.96	6.815		mg/Kg		68	20 - 140
N-Nitrosodi-n-propylamine	ND		9.96	6.829		mg/Kg		69	38 - 140
Pentachlorophenol	ND		9.96	ND		mg/Kg		23	10 - 124
Phenol	ND		9.96	7.477		mg/Kg		75	22 - 124
Pyrene	ND		9.96	8.093		mg/Kg		81	31 - 169

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*78*		*18 - 138*
2-Fluorobiphenyl (Surr)	*72*		*27 - 120*
2-Fluorophenol (Surr)	*71*		*25 - 120*
Nitrobenzene-d5 (Surr)	*68*		*33 - 123*
p-Terphenyl-d14 (Surr)	*83*		*27 - 159*
Phenol-d6 (Surr)	*73*		*26 - 122*

Lab Sample ID: 570-1231-C-10-B MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7026 **Prep Batch: 6519**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		9.83	6.674		mg/Kg		68	56 - 120	4	20
1,4-Dichlorobenzene	ND		9.83	6.051		mg/Kg		62	43 - 120	3	26
2,4-Dinitrotoluene	ND		9.83	7.706		mg/Kg		78	28 - 120	4	20
2-Chlorophenol	ND		9.83	7.425		mg/Kg		76	53 - 120	1	20
4-Chloro-3-methylphenol	ND		9.83	6.867		mg/Kg		70	32 - 120	4	20
4-Nitrophenol	ND		9.83	5.287		mg/Kg		54	14 - 128	5	59
Acenaphthene	ND		9.83	6.540		mg/Kg		67	34 - 148	4	20
Acenaphthylene	ND		9.83	7.513		mg/Kg		76	53 - 120	5	20
Butyl benzyl phthalate	ND		9.83	7.699		mg/Kg		78	15 - 189	3	20
Dimethyl phthalate	0.78		9.83	7.288		mg/Kg		66	44 - 122	4	20
Fluorene	ND		9.83	6.585		mg/Kg		67	12 - 186	2	20
Naphthalene	ND		9.83	6.577		mg/Kg		67	20 - 140	4	20
N-Nitrosodi-n-propylamine	ND		9.83	6.744		mg/Kg		69	38 - 140	1	20
Pentachlorophenol	ND		9.83	ND		mg/Kg		21	10 - 124	8	20
Phenol	ND		9.83	7.390		mg/Kg		75	22 - 124	1	20
Pyrene	ND		9.83	7.754		mg/Kg		79	31 - 169	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*75*		*18 - 138*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-1231-C-10-B MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7026 **Prep Batch: 6519**

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	70		27 - 120
2-Fluorophenol (Surr)	71		25 - 120
Nitrobenzene-d5 (Surr)	66		33 - 123
p-Terphenyl-d14 (Surr)	81		27 - 159
Phenol-d6 (Surr)	74		26 - 122

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: 570-1231-A-21-F MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4959 **Prep Batch: 4907**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	ND		1.98	2.042		mg/Kg		103	48 - 114

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		42 - 126

Lab Sample ID: 570-1231-A-21-G MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4959 **Prep Batch: 4907**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	ND		2.03	2.066		mg/Kg		102	48 - 114	1	23

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		42 - 126

Lab Sample ID: MB 570-4929/3-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4959 **Prep Batch: 4929**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10	mg/Kg		07/12/19 20:57	07/13/19 13:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		42 - 126	07/12/19 20:57	07/13/19 13:48	1

Lab Sample ID: LCS 570-4929/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4959 **Prep Batch: 4929**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	1.97	2.285		mg/Kg		116	70 - 124

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCS 570-4929/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4959 **Prep Batch: 4929**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*102*		*42 - 126*

Lab Sample ID: LCSD 570-4929/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 4959 **Prep Batch: 4929**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	2.04	2.395		mg/Kg		118	70 - 124	5	18

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*104*		*42 - 126*

Lab Sample ID: MB 570-5013/3-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5151 **Prep Batch: 5013**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10	mg/Kg		07/13/19 13:11	07/15/19 13:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*90*		*42 - 126*	*07/13/19 13:11*	*07/15/19 13:10*	*1*

Lab Sample ID: LCS 570-5013/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5151 **Prep Batch: 5013**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	1.99	2.051		mg/Kg		103	70 - 124

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*109*		*42 - 126*

Lab Sample ID: LCSD 570-5013/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5151 **Prep Batch: 5013**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	2.03	2.232		mg/Kg		110	70 - 124	8	18

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*111*		*42 - 126*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: 570-1583-B-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 5151 — **Prep Batch: 5013**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	ND	F1 F2	2.04	1.498		mg/Kg		74	48 - 114

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*42 - 126*

Lab Sample ID: MB 570-5167/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 5404 — **Prep Batch: 5167**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10	mg/Kg		07/15/19 11:27	07/16/19 15:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*42 - 126*	*07/15/19 11:27*	*07/16/19 15:40*	*1*

Lab Sample ID: LCS 570-5167/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 5404 — **Prep Batch: 5167**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	1.99	2.272		mg/Kg		114	70 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*42 - 126*

Lab Sample ID: LCSD 570-5167/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 5404 — **Prep Batch: 5167**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	1.99	2.266		mg/Kg		114	70 - 124	0	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*42 - 126*

Lab Sample ID: 570-1583-G-1-A MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 5151 — **Prep Batch: 5167**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	ND	F1 F2	1.97	1.320		mg/Kg		67	48 - 114	13	23

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*42 - 126*

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: 570-1643-A-3-E MS
Matrix: Solid
Analysis Batch: 5404

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 5167

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	ND		2.04	2.211		mg/Kg		109	48 - 114

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*42 - 126*

Lab Sample ID: 570-1643-A-3-F MSD
Matrix: Solid
Analysis Batch: 5404

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 5167

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	ND		2.00	2.117		mg/Kg		106	48 - 114	4	23

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*42 - 126*

Lab Sample ID: MB 570-5180/1-A
Matrix: Solid
Analysis Batch: 5151

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5180

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		4.0	mg/Kg		07/15/19 12:24	07/15/19 13:43	20

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*42 - 126*	*07/15/19 12:24*	*07/15/19 13:43*	*20*

Lab Sample ID: MB 570-5775/6
Matrix: Water
Analysis Batch: 5775

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		50	ug/L			07/17/19 19:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*38 - 134*		*07/17/19 19:08*	*1*

Lab Sample ID: LCS 570-5775/3
Matrix: Water
Analysis Batch: 5775

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	2000	2049		ug/L		102	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*38 - 134*

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCSD 570-5775/4 **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5775

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			2000	2109		ug/L		105	78 - 120	3	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*38 - 134*

Lab Sample ID: 570-1798-F-2 MS **Client Sample ID: Matrix Spike**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5775

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	ND		2000	2133		ug/L		107	68 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*38 - 134*

Lab Sample ID: 570-1798-F-2 MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5775

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	ND		2000	1994		ug/L		100	68 - 122	7	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*38 - 134*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-4610/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5651 **Prep Batch: 4610**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C13-C14	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C15-C16	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C17-C18	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C19-C20	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C21-C22	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C23-C24	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C25-C28	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C29-C32	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C33-C36	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C37-C40	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C41-C44	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C9-C10	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C6 as C6	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 570-4610/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 5651 — **Prep Batch: 4610**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C7 as C7	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1
C8 as C8	ND		50		ug/L		07/11/19 16:05	07/17/19 16:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*101*		*68 - 140*	*07/11/19 16:05*	*07/17/19 16:56*	*1*

Lab Sample ID: LCS 570-4610/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 5651 — **Prep Batch: 4610**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]			2000	1992		ug/L		100	69 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*100*		*68 - 140*

Lab Sample ID: LCSD 570-4610/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 5651 — **Prep Batch: 4610**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			2000	2262		ug/L		113	69 - 123	13	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*114*		*68 - 140*

Lab Sample ID: 570-1452-D-7-A MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 5651 — **Prep Batch: 4610**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	4100		1960	5828		ug/L		91	55 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*104*		*68 - 140*

Lab Sample ID: 570-1452-D-7-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 5651 — **Prep Batch: 4610**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	4100		2000	5336		ug/L		64	55 - 133	9	30

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 570-1452-D-7-B MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 5651
Prep Batch: 4610

Surrogate	MSD %Recovery	MSD Qualifier	Limits
n-Octacosane (Surr)	*101*		*68 - 140*

Lab Sample ID: MB 570-4861/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 5169
Prep Batch: 4861

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C13-C14	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C15-C16	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C17-C18	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C19-C20	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C21-C22	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C23-C24	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C25-C28	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C29-C32	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C33-C36	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C37-C40	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C41-C44	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C9-C10	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C6 as C6	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C7 as C7	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1
C8 as C8	ND		5.0		mg/Kg		07/12/19 16:32	07/15/19 12:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	*81*		*61 - 145*	*07/12/19 16:32*	*07/15/19 12:56*	*1*

Lab Sample ID: LCS 570-4861/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 5169
Prep Batch: 4861

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	400	433.8		mg/Kg		108	67 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	*89*		*61 - 145*

Lab Sample ID: 570-1375-1 MS
Client Sample ID: HA1-0.5
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 5169
Prep Batch: 4861

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	ND		400	468.2		mg/Kg		117	33 - 153

Surrogate	MS %Recovery	MS Qualifier	Limits
n-Octacosane (Surr)	*105*		*61 - 145*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: 570-1375-1 MSD
Matrix: Solid
Analysis Batch: 5169

Client Sample ID: HA1-0.5
Prep Type: Total/NA
Prep Batch: 4861

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		400	441.4		mg/Kg		110	33 - 153	6	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*91*		*61 - 145*

Lab Sample ID: MB 570-4902/1-A
Matrix: Solid
Analysis Batch: 5176

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4902

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C13-C14	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C15-C16	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C17-C18	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C19-C20	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C21-C22	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C23-C24	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C25-C28	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C29-C32	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C33-C36	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C37-C40	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C41-C44	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C9-C10	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C6 as C6	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C7 as C7	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1
C8 as C8	ND		5.0	mg/Kg		07/12/19 19:29	07/15/19 14:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*103*		*61 - 145*	*07/12/19 19:29*	*07/15/19 14:55*	*1*

Lab Sample ID: LCS 570-4902/14-A
Matrix: Solid
Analysis Batch: 5176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4902

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*100*		*61 - 145*

Lab Sample ID: LCS 570-4902/2-A
Matrix: Solid
Analysis Batch: 5176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4902

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	400	425.8		mg/Kg		106	67 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*100*		*61 - 145*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: 570-1375-14 MS **Client Sample ID: HA17-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5176 **Prep Batch: 4902**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	ND		399	396.5		mg/Kg		99	33 - 153

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*94*		*61 - 145*

Lab Sample ID: 570-1375-14 MSD **Client Sample ID: HA17-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5176 **Prep Batch: 4902**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		397	401.0		mg/Kg		101	33 - 153	1	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*101*		*61 - 145*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 570-4445/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 4963 **Prep Batch: 4445**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	ug/L		07/11/19 09:51	07/13/19 12:13	1
4,4'-DDE	ND		0.020	ug/L		07/11/19 09:51	07/13/19 12:13	1
4,4'-DDT	ND		0.050	ug/L		07/11/19 09:51	07/13/19 12:13	1
Aldrin	ND		0.050	ug/L		07/11/19 09:51	07/13/19 12:13	1
alpha-BHC	ND		0.020	ug/L		07/11/19 09:51	07/13/19 12:13	1
beta-BHC	ND		0.020	ug/L		07/11/19 09:51	07/13/19 12:13	1
Chlordane	ND		0.10	ug/L		07/11/19 09:51	07/13/19 12:13	1
delta-BHC	ND		0.020	ug/L		07/11/19 09:51	07/13/19 12:13	1
Dieldrin	ND		0.050	ug/L		07/11/19 09:51	07/13/19 12:13	1
Endosulfan I	ND		0.050	ug/L		07/11/19 09:51	07/13/19 12:13	1
Endosulfan II	ND		0.050	ug/L		07/11/19 09:51	07/13/19 12:13	1
Endosulfan sulfate	ND		0.050	ug/L		07/11/19 09:51	07/13/19 12:13	1
Endrin	ND		0.020	ug/L		07/11/19 09:51	07/13/19 12:13	1
Endrin aldehyde	ND		0.10	ug/L		07/11/19 09:51	07/13/19 12:13	1
Endrin ketone	ND		0.050	ug/L		07/11/19 09:51	07/13/19 12:13	1
gamma-BHC	ND		0.020	ug/L		07/11/19 09:51	07/13/19 12:13	1
Heptachlor	ND		0.020	ug/L		07/11/19 09:51	07/13/19 12:13	1
Heptachlor epoxide	ND		0.020	ug/L		07/11/19 09:51	07/13/19 12:13	1
Methoxychlor	ND		0.050	ug/L		07/11/19 09:51	07/13/19 12:13	1
Toxaphene	ND		0.30	ug/L		07/11/19 09:51	07/13/19 12:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*50 - 135*	*07/11/19 09:51*	*07/13/19 12:13*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*50 - 135*	*07/11/19 09:51*	*07/13/19 12:13*	*1*

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 570-4445/4-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 4963 **Prep Batch: 4445**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.250	0.2184		ug/L		87	50 - 135
4,4'-DDE	0.250	0.2278		ug/L		91	50 - 135
4,4'-DDT	0.250	0.2124		ug/L		85	50 - 135
Aldrin	0.250	0.1963		ug/L		79	50 - 135
alpha-BHC	0.250	0.2471		ug/L		99	50 - 135
beta-BHC	0.250	0.2099		ug/L		84	50 - 135
delta-BHC	0.250	0.2066		ug/L		83	50 - 135
Dieldrin	0.250	0.2072		ug/L		83	50 - 135
Endosulfan I	0.250	0.1985		ug/L		79	50 - 135
Endosulfan II	0.250	0.2004		ug/L		80	50 - 135
Endosulfan sulfate	0.250	0.1972		ug/L		79	50 - 135
Endrin	0.250	0.2102		ug/L		84	50 - 135
Endrin aldehyde	0.250	0.1790		ug/L		72	50 - 135
gamma-BHC	0.250	0.2177		ug/L		87	50 - 135
Heptachlor	0.250	0.1974		ug/L		79	50 - 135
Heptachlor epoxide	0.250	0.2078		ug/L		83	50 - 135
Methoxychlor	0.250	0.1983		ug/L		79	50 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*86*		*50 - 135*
DCB Decachlorobiphenyl (Surr)	*71*		*50 - 135*

Lab Sample ID: LCSD 570-4445/5-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 4963 **Prep Batch: 4445**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.250	0.2135		ug/L		85	50 - 135	2	25
4,4'-DDE	0.250	0.2255		ug/L		90	50 - 135	1	25
4,4'-DDT	0.250	0.2110		ug/L		84	50 - 135	1	25
Aldrin	0.250	0.2037		ug/L		81	50 - 135	4	25
alpha-BHC	0.250	0.2912		ug/L		116	50 - 135	16	25
beta-BHC	0.250	0.2107		ug/L		84	50 - 135	0	25
delta-BHC	0.250	0.2069		ug/L		83	50 - 135	0	25
Dieldrin	0.250	0.2094		ug/L		84	50 - 135	1	25
Endosulfan I	0.250	0.2024		ug/L		81	50 - 135	2	25
Endosulfan II	0.250	0.2023		ug/L		81	50 - 135	1	25
Endosulfan sulfate	0.250	0.1966		ug/L		79	50 - 135	0	25
Endrin	0.250	0.2107		ug/L		84	50 - 135	0	25
Endrin aldehyde	0.250	0.1834		ug/L		73	50 - 135	2	25
gamma-BHC	0.250	0.2200		ug/L		88	50 - 135	1	25
Heptachlor	0.250	0.2008		ug/L		80	50 - 135	2	25
Heptachlor epoxide	0.250	0.2079		ug/L		83	50 - 135	0	25
Methoxychlor	0.250	0.1901		ug/L		76	50 - 135	4	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*85*		*50 - 135*
DCB Decachlorobiphenyl (Surr)	*70*		*50 - 135*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 570-4772/1-A
Matrix: Solid
Analysis Batch: 5371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4772

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
4,4'-DDE	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
4,4'-DDT	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Aldrin	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
alpha-BHC	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
beta-BHC	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Chlordane	ND		25	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
delta-BHC	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Dieldrin	ND		1.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Endosulfan I	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Endosulfan II	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Endosulfan sulfate	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Endrin	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Endrin aldehyde	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Endrin ketone	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
gamma-BHC	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Heptachlor	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Heptachlor epoxide	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Methoxychlor	ND		5.0	ug/Kg		07/12/19 12:06	07/16/19 15:19	1
Toxaphene	ND		25	ug/Kg		07/12/19 12:06	07/16/19 15:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*90*		*25 - 145*	*07/12/19 12:06*	*07/16/19 15:19*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*24 - 168*	*07/12/19 12:06*	*07/16/19 15:19*	*1*

Lab Sample ID: LCS 570-4772/2-A
Matrix: Solid
Analysis Batch: 5371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4772

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	25.0	25.21		ug/Kg		101	50 - 135
4,4'-DDE	25.0	24.18		ug/Kg		97	50 - 135
4,4'-DDT	25.0	23.37		ug/Kg		93	50 - 135
Aldrin	25.0	21.05		ug/Kg		84	50 - 135
alpha-BHC	25.0	21.06		ug/Kg		84	50 - 135
beta-BHC	25.0	21.71		ug/Kg		87	50 - 135
delta-BHC	25.0	22.63		ug/Kg		91	50 - 135
Dieldrin	25.0	22.64		ug/Kg		91	50 - 135
Endosulfan I	25.0	21.39		ug/Kg		86	50 - 135
Endosulfan II	25.0	23.06		ug/Kg		92	50 - 135
Endosulfan sulfate	25.0	23.78		ug/Kg		95	50 - 135
Endrin	25.0	23.46		ug/Kg		94	50 - 135
Endrin aldehyde	25.0	15.74		ug/Kg		63	50 - 135
gamma-BHC	25.0	21.73		ug/Kg		87	50 - 135
Heptachlor	25.0	21.26		ug/Kg		85	50 - 135
Heptachlor epoxide	25.0	21.43		ug/Kg		86	50 - 135
Methoxychlor	25.0	24.40		ug/Kg		98	50 - 135

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 570-4772/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5371 **Prep Batch: 4772**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	82		25 - 145
DCB Decachlorobiphenyl (Surr)	95		24 - 168

Lab Sample ID: 570-1375-1 MS **Client Sample ID: HA1-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5371 **Prep Batch: 4772**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
4,4'-DDD	ND		24.8	28.48		ug/Kg		115	50 - 135		
4,4'-DDE	ND		24.8	27.17		ug/Kg		100	50 - 135		
4,4'-DDT	ND		24.8	20.19		ug/Kg		82	50 - 135		
Aldrin	ND		24.8	20.15		ug/Kg		81	50 - 135		
alpha-BHC	ND		24.8	18.88		ug/Kg		76	50 - 135		
beta-BHC	ND		24.8	22.03		ug/Kg		89	50 - 135		
delta-BHC	ND		24.8	21.62		ug/Kg		87	50 - 135		
Dieldrin	ND		24.8	21.40		ug/Kg		86	50 - 135		
Endosulfan I	ND		24.8	20.82		ug/Kg		84	50 - 135		
Endosulfan II	ND		24.8	21.54		ug/Kg		87	50 - 135		
Endosulfan sulfate	ND		24.8	21.68		ug/Kg		88	50 - 135		
Endrin	ND		24.8	23.48		ug/Kg		95	50 - 135		
Endrin aldehyde	ND		24.8	16.20		ug/Kg		65	50 - 135		
gamma-BHC	ND		24.8	21.86		ug/Kg		88	50 - 135		
Heptachlor	ND		24.8	22.85		ug/Kg		92	50 - 135		
Heptachlor epoxide	ND		24.8	20.87		ug/Kg		84	50 - 135		
Methoxychlor	ND		24.8	21.61		ug/Kg		87	50 - 135		

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	68		25 - 145
DCB Decachlorobiphenyl (Surr)	86	p	24 - 168

Lab Sample ID: 570-1375-1 MSD **Client Sample ID: HA1-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5371 **Prep Batch: 4772**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		24.8	27.77		ug/Kg		112	50 - 135	3	25
4,4'-DDE	ND		24.8	25.91		ug/Kg		94	50 - 135	5	25
4,4'-DDT	ND		24.8	16.20		ug/Kg		65	50 - 135	22	25
Aldrin	ND		24.8	19.60		ug/Kg		79	50 - 135	3	25
alpha-BHC	ND		24.8	18.25		ug/Kg		74	50 - 135	3	25
beta-BHC	ND		24.8	19.29		ug/Kg		78	50 - 135	13	25
delta-BHC	ND		24.8	19.93		ug/Kg		80	50 - 135	8	25
Dieldrin	ND		24.8	20.86		ug/Kg		84	50 - 135	3	25
Endosulfan I	ND		24.8	20.32		ug/Kg		82	50 - 135	2	25
Endosulfan II	ND		24.8	20.64		ug/Kg		83	50 - 135	4	25
Endosulfan sulfate	ND		24.8	20.16		ug/Kg		81	50 - 135	7	25
Endrin	ND		24.8	22.72		ug/Kg		92	50 - 135	3	25
Endrin aldehyde	ND		24.8	15.89		ug/Kg		64	50 - 135	2	25

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 570-1375-1 MSD **Client Sample ID: HA1-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5371 **Prep Batch: 4772**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
gamma-BHC	ND		24.8	19.91		ug/Kg		80	50 - 135	9	25
Heptachlor	ND		24.8	20.99		ug/Kg		85	50 - 135	8	25
Heptachlor epoxide	ND		24.8	19.86		ug/Kg		80	50 - 135	5	25
Methoxychlor	ND		24.8	17.69		ug/Kg		71	50 - 135	20	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*81*	*p*	*24 - 168*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 570-4445/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5073 **Prep Batch: 4445**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50		ug/L		07/11/19 09:51	07/14/19 14:45	1
PCB-1221	ND		0.50		ug/L		07/11/19 09:51	07/14/19 14:45	1
PCB-1232	ND		0.50		ug/L		07/11/19 09:51	07/14/19 14:45	1
PCB-1242	ND		0.50		ug/L		07/11/19 09:51	07/14/19 14:45	1
PCB-1248	ND		0.50		ug/L		07/11/19 09:51	07/14/19 14:45	1
PCB-1254	ND		0.50		ug/L		07/11/19 09:51	07/14/19 14:45	1
PCB-1260	ND		0.50		ug/L		07/11/19 09:51	07/14/19 14:45	1
PCB-1262	ND		0.50		ug/L		07/11/19 09:51	07/14/19 14:45	1
PCB-1268	ND		0.50		ug/L		07/11/19 09:51	07/14/19 14:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*108*		*50 - 135*	*07/11/19 09:51*	*07/14/19 14:45*	*1*
Tetrachloro-m-xylene	*101*		*50 - 135*	*07/11/19 09:51*	*07/14/19 14:45*	*1*

Lab Sample ID: LCS 570-4445/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5073 **Prep Batch: 4445**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.00	1.462	*	ug/L		146	50 - 135
PCB-1260	1.00	1.160		ug/L		116	50 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*121*		*50 - 135*
Tetrachloro-m-xylene	*116*		*50 - 135*

Lab Sample ID: LCSD 570-4445/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5073 **Prep Batch: 4445**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	1.00	1.158		ug/L		116	50 - 135	23	25
PCB-1260	1.00	0.9632		ug/L		96	50 - 135	19	25

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 570-4445/3-A
Matrix: Water
Analysis Batch: 5073

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4445

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*92*		*50 - 135*
Tetrachloro-m-xylene	*85*		*50 - 135*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-4860/1-A
Matrix: Solid
Analysis Batch: 6760

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4860

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.498		mg/Kg		07/12/19 16:32	07/21/19 14:22	1

Lab Sample ID: LCS 570-4860/2-A
Matrix: Solid
Analysis Batch: 6760

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4860

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	25.1	25.62		mg/Kg		102	80 - 120

Lab Sample ID: LCSD 570-4860/3-A
Matrix: Solid
Analysis Batch: 6760

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4860

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	25.8	25.85		mg/Kg		100	80 - 120	1	20

Lab Sample ID: 570-1375-33 MS
Matrix: Solid
Analysis Batch: 6760

Client Sample ID: HA23-0.5
Prep Type: Total/NA
Prep Batch: 4860

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	24.7		24.9	51.98		mg/Kg		110	75 - 125

Lab Sample ID: 570-1375-33 MSD
Matrix: Solid
Analysis Batch: 6760

Client Sample ID: HA23-0.5
Prep Type: Total/NA
Prep Batch: 4860

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	24.7		25.6	53.52		mg/Kg		112	75 - 125	3	20

Lab Sample ID: MB 570-6619/1-A
Matrix: Water
Analysis Batch: 7360

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 6619

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0500		mg/L		07/15/19 15:00	07/23/19 21:54	1

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 570-6619/2-A
Matrix: Water
Analysis Batch: 7360

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 6619

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.500	0.5333		mg/L		107	80 - 120

Lab Sample ID: LCSD 570-6619/3-A
Matrix: Water
Analysis Batch: 7360

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 6619

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	0.500	0.5377		mg/L		108	80 - 120	1	20

Lab Sample ID: 570-1313-L-1-F MS
Matrix: Water
Analysis Batch: 7360

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 6619

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	ND	F1	0.500	0.6327	F1	mg/L		123	84 - 120

Lab Sample ID: 570-1313-L-1-G MSD
Matrix: Water
Analysis Batch: 7360

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 6619

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND	F1	0.500	0.6099		mg/L		119	84 - 120	4	7

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 570-4854/1-A ^20
Matrix: Solid
Analysis Batch: 6792

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4854

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.985	mg/Kg		07/12/19 16:18	07/21/19 11:00	20
Thallium	ND		0.985	mg/Kg		07/12/19 16:18	07/21/19 11:00	20

Lab Sample ID: LCS 570-4854/2-A ^20
Matrix: Solid
Analysis Batch: 6792

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4854

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	25.6	26.59		mg/Kg		104	80 - 120
Thallium	25.6	25.41		mg/Kg		99	80 - 120

Lab Sample ID: LCSD 570-4854/3-A ^20
Matrix: Solid
Analysis Batch: 6792

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4854

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	25.1	26.76		mg/Kg		106	80 - 120	1	20
Thallium	25.1	25.39		mg/Kg		101	80 - 120	0	20

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: 570-1375-33 MS — **Client Sample ID: HA23-0.5**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 6792 — **Prep Batch: 4854**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	4.78		25.5	28.74		mg/Kg		94	72 - 132
Thallium	ND		25.5	24.00		mg/Kg		93	79 - 115

Lab Sample ID: 570-1375-33 MSD — **Client Sample ID: HA23-0.5**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 6792 — **Prep Batch: 4854**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	4.78		24.5	27.83		mg/Kg		94	72 - 132	3	13
Thallium	ND		24.5	22.92		mg/Kg		93	79 - 115	5	11

Lab Sample ID: MB 570-5571/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 6299 — **Prep Batch: 5571**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00100	mg/L		07/16/19 15:00	07/18/19 18:32	1

Lab Sample ID: LCS 570-5571/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 6299 — **Prep Batch: 5571**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.100	0.1038		mg/L		104	80 - 120

Lab Sample ID: LCSD 570-5571/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 6299 — **Prep Batch: 5571**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.100	0.1007		mg/L		101	80 - 120	3	20

Lab Sample ID: 570-1648-J-1-C MS ^5 — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 6299 — **Prep Batch: 5571**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND	F1 F2	0.100	0.06591	F1	mg/L		66	73 - 127

Lab Sample ID: 570-1648-J-1-D MSD ^5 — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 6299 — **Prep Batch: 5571**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND	F1 F2	0.600	0.05116	F1 F4	mg/L		9	73 - 127	25	11

QC Association Summary

Metals

Prep Batch: 4854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-1	HA1-0.5	Total/NA	Solid	3050B	

Analysis Batch: 6792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-1	HA1-0.5	Total/NA	Solid	6020	4854

Lab Chronicle

Client: EFI Global, Inc.　　Job ID: 570-1375-1
Project/Site: WH Taft HS

Client Sample ID: HA1-0.5　　**Lab Sample ID: 570-1375-1**
Date Collected: 07/09/19 08:17　　**Matrix: Solid**
Date Received: 07/10/19 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.07 g	100 mL	4854	07/12/19 16:18	OYW3	ECL 1
Total/NA	Analysis	6020		20			6792	07/21/19 11:22	UFLE	ECL 1
	Instrument ID: ICPMS05									

Laboratory References:

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

Accreditation/Certification Summary

Client: EFI Global, Inc. Job ID: 570-1375-1
Project/Site: WH Taft HS

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 Program	AZ0781	03-13-20
California	SCAQMD LAP	N/A	11-30-19
California	State Program	2944	09-30-19
Guam	State Program	19-004R	10-31-19
Hawaii	State Program	N/A	01-29-20
Nevada	State Program	CA00111	07-31-19
Oregon	NELAP Primary AB	CA300001	01-20-20
Washington	State Program	C916	10-11-19

Method Summary

Method	Method Description	Protocol	Laboratory
6020	Metals (ICP/MS)	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1

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

Sample Summary

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-1375-1	HA1-0.5	Solid	07/09/19 08:17	07/10/19 13:00	

1/3

~~AE_EFI_01~~

EFI Global

Engineering, Fire & Environmental Services

Andersen Environmental, an EFI Global Company
5261 West Imperial Highway, Los Angeles CA 90045
Tel: (310) 854-6300 Fax: (310) 854-0199 www.AndersenEnviro.com

Chain 570-1375 Chain of Custody

Analytical Laboratory:	Eurofins Calscience	Geotracker Global ID:	
Project Number:	WH Taft HS		645.00349
Project Address:	5461 Winnetka Ave, Woodland Hills, CA 91364		
Project Manager:	Shayan Simantob		
Sampled by:	P. Skeath		
Phone:	(310) 920-1230		
Email:	shayan.simantob@efiglobal.com		

Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	HNO3	NaHSO4	HCl	Sampling Information: Date	Time	VOCs (8260B 5035)	Lead (6010B)	Arsenic (6020)	SVOCs (8270C)	TPH g + ERPH (8015)	PCBs (8082)	OCPs (8081A)	Composite	Hold	4- or 8-ounce Glass	Plastic Bag	VOAs (by EPA 5035)	Normal / Standard (7 Day)	72 Hour	48 Hours	24 Hours
1	HA1-0.5		X			X							7/9/19	0817	X	X	X	X	X	X	X			X		X	X			
2	HA1-1.5													0819									X							
3	HA1-3													0821									X							
4	HA6-0.5													0902	X	X	X	X	X	X	X					X				
5	HA6-0.5 DUP													0902	X	X	X	X	X	X	X					X				
6	HA6-1.5													0904									X							
7	HA6-3													0906									X							
8	HA15-0.5													1002	X	X	X	X	X	X	X					X				
9	HA15-1.5													1004									X							
10	HA15-3													1006									X							
11	HA16-0.5													1217	X	X	X	X	X	X	X					X				
12	HA16-1.5													1219									X							
13	HA16-3													1221									X							
14	HA17-0.5													1037	X	X	X	X	X	X	X					X				
15	HA17-1.5													1039									X							
16	HA17-3													1041									X							
17	HA18-~~[illegible]~~ 0.5													1332	X	X	X	X	X	X	X					X				
18	HA18-1.5													1335									X							
19	HA18-3													1337									X							
20	HA19-0.5													1132	X	X	X	X	X	X	X					X				

Relinquished by	Date	Time	Received by	Date	Time	Remarks
[signature]	7/9/19	1120	[signature]	7/10/19	1230	Sample condition (circle): Chilled Intact
Zhou Weams	7/10/19	1300	[signature]	7/10/19	1300	Excavation Area:

SC 6 3.3/3.5 3.5/3.7 coolers

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EFI Global
Engineering, Fire & Environmental Services

Andersen Environmental, an EFI Global Company
5261 West Imperial Highway, Los Angeles CA 90045
Tel: (310) 854-6300 Fax: (310) 854-0199 www.AndersenEnviro.com

Chain-of-Custody Record

~~AE_EFI_01~~

Analytical Laboratory:	Eurofins Calscience	Geotracker Global ID:	
Project Number:	WH Tall HS	045.00349	
Project Address:			
Project Manager:	see page 1		
Sampled by:			
Phone:			
Email:			

	Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	Preservative: HNO3	Preservative: NaHSO4	Preservative: HCl	Sampling Information: Date	Sampling Information: Time	Method: VOCs (8260B 5035 & 8260B)	Method: Lead (6010B)	Method: Arsenic (6020)	Method: SVOCs (8270C)	Method: TPH g + ERPH (8015)	Method: PCBs (8082)	Method: OCPs (8081A)	Method: Composite	Method: Hold	Container: 4- or 8-ounce Glass	Container: Plastic Bag	Container: VOAs (by EPA 5035)	Turnaround Time: Normal / Standard (7 Days)	Turnaround Time: 72 Hour	Turnaround Time: 48 Hours	Turnaround Time: 24 Hours
21	1	HA19 - 1.5		X			X							7/9/19	1134									X				X			
22	2	HA19 - 3													1136									X							
23	3	HA20 - 0.5													0932	X	X	X	X	X		X					X				
24	4	HA20 - 1.5													0934									X							
25	5	HA20 - 3													0936									X							
26	6	HA21 - 0.5													1442	X	X	X	X	X		X					X				
27	7	HA21 - 1.5													1444									X							
28	8	HA21 - 3													1446									X							
29	9	HA22 - 0.5													1402	X	X	X	X	X		X					X				
30	10	HA22 - 0.5 DUP													1402	X	X	X	X	X		X					X				
31	11	HA22 - 1.5													1404									X							
32	12	HA22 - 3													1406									X							
33	13	HA23 - 0.5													1422	X	X	X	X	X		X					X				
34	14	HA23 - 1.5													1424									X							
35	15	HA23 - 3													1426									X							
36	16	HA27 - 0.5													1112	X	X	X	X	X		X					X				
37	17	HA27 - 1.5													1114									X							
38	18	HA27 - 3													1116									X							
39	19	B9A - 0.5													1232	X	X	X	X	X		X					X				
40	20	B9A - 1.5													1234		RUN							X							

Relinquished by	Date	Time	Received by	Date	Time	Remarks
[signature]	7/9/19	1120	[signature]	7/10/19	11:20	Sample condition (circle): Chilled Intact
	7/10/19	1300	[signature]	7/10/19	1300	Excavation Area:

Run Arsenic (only)

SC6 3.7/3.9

9/25/2019 (Rev. 1)

EFI Global

Engineering, Fire & Environmental Services

Andersen Environmental, an EFI Global Company
5261 West Imperial Highway, Los Angeles CA 90045
Tel: (310) 854-6300 Fax: (310) 854-0199 www.AndersenEnviro.com

Chain-of-Custody Record

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~~AE_EFI_01~~

Analytical Laboratory:	Eurofins Calscience	Geotracker Global ID:	
Project Number:	WH Taft HS		045.00344
Project Address:			
Project Manager:	see page 1		
Sampled by:			
Phone:			
Email:			

Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	Preservative: HNO3	Preservative: NaHSO4	Preservative: HCl	Sampling Information: Date	Sampling Information: Time	Method: VOCs (8260B 5035)	Method: Lead (6010B)	Method: Arsenic (6020)	Method: SVOCs (8270C)	Method: TPHg + EPH (8015)	Method: PCBs (8082)	Method: OCPs (8081A)	Method	Method	Method	Composite	Hold	Container: 4- or 8-ounce Glass	Container: Plastic Bag	Container: VOAs (by EPA 5035)	Container: Various	Container: VOAs (HCl)	Turnaround: Normal / Standard	Turnaround: 72 Hour	Turnaround: 48 Hours	Turnaround: 24 Hours
1	B9A - 3					X							7/9/19	1236												X	X					X			
2	B9B - 0.5													~~1253~~ 1257			X												X						
3	B9B - 1.5													1259												X									
4	B9B - 3													1301												X									
5	EB2				X									1502	X	X	X	X	X	X	X									X					
6	TB2							X																		X					X				
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41 42 43 44 45 46 #

Relinquished by	Date	Time	Received by	Date	Time	Remarks
Zhou Weimin	7/9/19	1120	Zhou Weimin	7/10/19	11:20	Sample condition (circle): Chilled Intact
	7/10/19	1300	[signature]	7/10/19	1300	Excavation Area:

3.6 / 3.8 SC6

Login Sample Receipt Checklist

Client: EFI Global, Inc. Job Number: 570-1375-1

Login Number: 1375 **List Source: Eurofins Calscience**
List Number: 1
Creator: Ramos, Maribel

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	IDs on containers do not match the COC. Logged in per COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

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

Laboratory Job ID: 570-1375-2
Client Project/Site: WH Taft HS

For:
EFI Global, Inc.
5261 West Imperial Highway
Los Angeles, California 90045

Attn: Desi Salgado

Authorized for release by:
8/19/2019 1:12:16 PM
Hoaibao Nguyen, Project Manager I
hoaibaonguyen@eurofinsus.com

Designee for

Stephen Nowak, Project Manager I
(714)895-5494
stephennowak@eurofinsus.com

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Table of Contents

Client: EFI Global, Inc. Job ID: 570-1375-2
Project/Site: WH Taft HS

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)

Job ID: 570-1375-2

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-1375-2

Comments
No additional comments.

Receipt
The samples were received on 7/10/2019 1:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 3.5º C, 3.7º C, 3.8º C and 3.9º C.

Receipt Exceptions

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): HA16-0.5 (570-1375-11), HA16-1.5 (570-1375-12) and HA16-3 (570-1375-13). The container labels list HA17-0.5 while COC list HA16-0.5; HA17-1.5 while COC list HA16-1.5; HA17-3 while COC list HA16-3.

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): B9A-0.5 (570-1375-39) and B9A-1.5 (570-1375-40). The container labels list 12:35 while the COC lists 12:32; 12:37 while the COC lists 12:34.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): HA23-0.5 (570-1375-33). The container labels list while the COC lists 1 of 3 terracore is labeled as HA22-0.5 while COC list is as HA23-0.5.

Vials not individually labeled. Labeled in ziploc.

EB2 (570-1375-45) and TB2 (570-1375-46)

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

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-2

Client Sample ID: HA1-1.5 | Lab Sample ID: 570-1375-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	8.16		0.995		mg/Kg	20		6020	Total/NA

Client Sample ID: B9B-1.5 | Lab Sample ID: 570-1375-43

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	13.8		1.00		mg/Kg	20		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Method: 6020 - Metals (ICP/MS)

Client Sample ID: HA1-1.5
Date Collected: 07/09/19 08:19
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.16		0.995		mg/Kg		08/13/19 17:30	08/14/19 11:56	20

Client Sample ID: B9B-1.5
Date Collected: 07/09/19 12:59
Date Received: 07/10/19 13:00

Lab Sample ID: 570-1375-43
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13.8		1.00		mg/Kg		08/13/19 17:30	08/14/19 12:06	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 570-12229/1-A ^20
Matrix: Solid
Analysis Batch: 12435

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12229

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.995		mg/Kg		08/13/19 17:30	08/14/19 11:34	20

Lab Sample ID: LCS 570-12229/2-A ^20
Matrix: Solid
Analysis Batch: 12435

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12229

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			24.8	25.97		mg/Kg		105	80 - 120		

Lab Sample ID: LCSD 570-12229/3-A ^20
Matrix: Solid
Analysis Batch: 12435

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 12229

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic			25.1	26.46		mg/Kg		105	80 - 120	2	20

Lab Sample ID: 570-4256-A-12-B MS ^20
Matrix: Solid
Analysis Batch: 12435

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 12229

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic	1.88		25.4	27.03		mg/Kg		99	72 - 132		

Lab Sample ID: 570-4256-A-12-C MSD ^20
Matrix: Solid
Analysis Batch: 12435

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 12229

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	1.88		25.0	26.31		mg/Kg		98	72 - 132	3	13

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Metals

Prep Batch: 12229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-2	HA1-1.5	Total/NA	Solid	3050B	
570-1375-43	B9B-1.5	Total/NA	Solid	3050B	
MB 570-12229/1-A ^20	Method Blank	Total/NA	Solid	3050B	
LCS 570-12229/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-12229/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-4256-A-12-B MS ^20	Matrix Spike	Total/NA	Solid	3050B	
570-4256-A-12-C MSD ^20	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 12435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-2	HA1-1.5	Total/NA	Solid	6020	12229
570-1375-43	B9B-1.5	Total/NA	Solid	6020	12229
MB 570-12229/1-A ^20	Method Blank	Total/NA	Solid	6020	12229
LCS 570-12229/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	12229
LCSD 570-12229/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	6020	12229
570-4256-A-12-B MS ^20	Matrix Spike	Total/NA	Solid	6020	12229
570-4256-A-12-C MSD ^20	Matrix Spike Duplicate	Total/NA	Solid	6020	12229

Lab Chronicle

Client: EFI Global, Inc. Job ID: 570-1375-2
Project/Site: WH Taft HS

Client Sample ID: HA1-1.5 **Lab Sample ID: 570-1375-2**
Date Collected: 07/09/19 08:19 **Matrix: Solid**
Date Received: 07/10/19 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	100 mL	12229	08/13/19 17:30	AP	ECL 1
Total/NA	Analysis	6020		20			12435	08/14/19 11:56	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: B9B-1.5 **Lab Sample ID: 570-1375-43**
Date Collected: 07/09/19 12:59 **Matrix: Solid**
Date Received: 07/10/19 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	100 mL	12229	08/13/19 17:30	AP	ECL 1
Total/NA	Analysis	6020		20			12435	08/14/19 12:06	UFLE	ECL 1
	Instrument ID: ICPMS05									

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

Accreditation/Certification Summary

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-2

Laboratory: Eurofins Calscience LLC

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Arizona	State Program	9	AZ0781	03-13-20
California	SCAQMD LAP	9	N/A	11-30-19
California	State Program	9	2944	09-30-19
Guam	State Program	9	19-004R	10-31-19
Hawaii	State Program	9	N/A	01-29-20
Oregon	NELAP Primary AB	10	CA300001	01-20-20
Washington	State Program	10	C916	10-11-19

Method Summary

Method	Method Description	Protocol	Laboratory
6020	Metals (ICP/MS)	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1

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

Sample Summary

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-1375-2	HA1-1.5	Solid	07/09/19 08:19	07/10/19 13:00	
570-1375-43	B9B-1.5	Solid	07/09/19 12:59	07/10/19 13:00	

Hoaibao Nguyen

From: Salgado, Desi <desi.salgado@efiglobal.com>
Sent: Tuesday, August 06, 2019 12:09 PM
To: Hoaibao Nguyen; Stephen Nowak
Cc: Hodges, Christine; Simantob, Shayan
Subject: RE: Eurofins Calscience invoice, EDD and report files from 570-1583-1 WH TAFT HS

EXTERNAL EMAIL*

EXTERNAL EMAIL*

Please add B9B-1.5 for arsenic by EPA Method 6020A as well. Thanks.

Sincerely,
Desi Salgado | Project Manager
EFI Global, Inc.
Los Angeles, CA
DIRECT 310.854.6300 | FAX 310.854.0199
CELL 310.409.9980| EMAIL Desi.Salgado@efiglobal.com
CSLB License #: 885902
www.efiglobal.com | Caring counts®

From: Salgado, Desi
Sent: Tuesday, August 6, 2019 12:05 PM
To: hoaibaonguyen@eurofinsus.com; 'StephenNowak@eurofinsUS.com' <StephenNowak@eurofinsUS.com>
Cc: Hodges, Christine <Christine.Hodges@EFIGlobal.com>; Simantob, Shayan <Shayan.Simantob@EFIGLOBAL.com>
Subject: RE: Eurofins Calscience invoice, EDD and report files from 570-1583-1 WH TAFT HS

Tina,

Please run the following samples for arsenic by EPA Method 6020A on a 5-day TAT:

- HA1-1.5
- HA26-1.5
- HA30-1.5
- HA34-1.5

Thank you!

Sincerely,
Desi Salgado | Project Manager
EFI Global, Inc.
Los Angeles, CA
DIRECT 310.854.6300 | FAX 310.854.0199
CELL 310.409.9980| EMAIL Desi.Salgado@efiglobal.com
CSLB License #: 885902
www.efiglobal.com | Caring counts®

From: Hoaibao Nguyen [mailto:noreply@eurofinslimsservices.com]
Sent: Wednesday, July 31, 2019 10:36 AM
To: Hodges, Christine <Christine.Hodges@EFIGlobal.com>; Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>; Simantob, Shayan <Shayan.Simantob@EFIGLOBAL.com>
Subject: Eurofins Calscience invoice, EDD and report files from 570-1583-1 WH TAFT HS

Hello,

Attached please find the invoice, EDD and report files for job 570-1583-1; WH TAFT HS

Please feel free to contact me or your PM Stephen Nowak if you have any questions.

Thank you.

Hoaibao Nguyen
Project Manager

Eurofins Calscience LLC

E-mail: hoaibaonguyen@eurofinsus.com
www.EurofinsUS.com

Reference: [570-005339]
Attachments: 3

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~~AE_EFI_01~~

EFI Global

Engineering, Fire & Environmental Services

Andersen Environmental, an EFI Global Company
5261 West Imperial Highway, Los Angeles CA 90045
Tel: (310) 854-6300 Fax: (310) 854-0199 www.AndersenEnviro.com

Chain

570-1375 Chain of Custody

Analytical Laboratory:	Eurofins Calscience	Geotracker Global ID:	
Project Number:	WH Taft HS	645.00349	
Project Address:	5461 Winnetka Ave, Woodland Hills, CA 91364		
Project Manager:	Shayan Simantob		
Sampled by:	P. Skeath		
Phone:	(310) 920-1230		
Email:	shayan.simantob@efiglobal.com		

Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	Preservative: HNO3	Preservative: NaHSO4	Preservative: HCl	Sampling Information: Date	Sampling Information: Time	VOCs (8260B 5035)	Lead (6010B)	Arsenic (6020)	SVOCs (8270C)	TPHg + TPH (8015)	PCBs (8082)	OCPs (8081A)	Composite	Hold	4- or 8-ounce Glass	Plastic Bag	VOAs (by EPA 5035)	Normal / Standard (7 Day)	72 Hour	48 Hours	24 Hours
1	HA1-0.5		X			X							7/9/19	0817	X	X	X	X	X		X			X		X	X			
2	HA1-1.5													0819									X							
3	HA1-3													0821									X							
4	HA6-0.5													0902	X	X	X	X	X		X					X				
5	HA6-0.5 DUP													0902	X	X	X	X	X		X					X				
6	HA6-1.5													0904									X							
7	HA6-3													0906									X							
8	HA15-0.5													1002	X	X	X	X	X		X					X				
9	HA15-1.5													1004									X							
10	HA15-3													1006									X							
11	HA16-0.5													1217	X	X	X	X	X		X					X				
12	HA16-1.5													1219									X							
13	HA16-3													1221									X							
14	HA17-0.5													1037	X	X	X	X	X		X					X				
15	HA17-1.5													1039									X							
16	HA17-3													1041									X							
17	HA18-0.5													1332	X	X	X	X	X		X					X				
18	HA18-1.5													1335									X							
19	HA18-3													1337									X							
20	HA19-0.5													1132	X	X	X	X	X		X					X				

Relinquished by	Date	Time	Received by	Date	Time	Remarks
[signature]	7/9/19	1120	[signature]	7/10/19	11:20	Sample condition (circle): Chilled Intact
Zhou Weams	7/10/19	1300	[signature]	7/10/19	1300	Excavation Area:

SC 6 3.3/3.5 3.5/3.7 clients

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EFI Global

Engineering, Fire & Environmental Services

Andersen Environmental, an EFI Global Company
5261 West Imperial Highway, Los Angeles CA 90045
Tel: (310) 854-6300 Fax: (310) 854-0199 www.AndersenEnviro.com

Chain-of-Custody Record

~~AE_EFI_01~~

Analytical Laboratory:	Eurofins Calscience	Geotracker Global ID:	
Project Number:	WH Tall HS		045.00349
Project Address:			
Project Manager:	see page 1		
Sampled by:			
Phone:			
Email:			

	Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	Preservative: HNO3	Preservative: NaHSO4	Preservative: HCl	Sampling Information: Date	Sampling Information: Time	Method: VOCs (8260B/5035)	Method: Lead (6010B)	Method: Arsenic (6020)	Method: SVOCs (8270C)	Method: TPH g + EFH (8015)	Method: PCBs (8082)	Method: OCPs (8081A)	Method:	Method:	Method:	Method: Composite	Method: Hold	Container: 4- or 8-ounce Glass	Container: Plastic Bag	Container: VOAs (by EPA 5035)	Container:	Turnaround Time: Normal / Standard (7 Days)	72 Hour	48 Hours	24 Hours
21	1	HA19 - 1.5		X			X							7/9/19	1134												X					X			
22	2	HA19 - 3													1136												X								
23	3	HA20 - 0.5													0932	X	X	X	X	X		X								X					
24	4	HA20 - 1.5													0934												X								
25	5	HA20 - 3													0936												X								
26	6	HA21 - 0.5													1442	X	X	X	X	X		X								X					
27	7	HA21 - 1.5													1444												X								
28	8	HA21 - 3													1446												X								
29	9	HA22 - 0.5													1402	X	X	X	X	X		X								X					
30	10	HA22 - 0.5 DUP													1402	X	X	X	X	X		X								X					
31	11	HA22 - 1.5													1404												X								
32	12	HA22 - 3													1406												X								
33	13	HA23 - 0.5													1422	X	X	X	X	X		X								X					
34	14	HA23 - 1.5													1424												X								
35	15	HA23 - 3													1426												X								
36	16	HA27 - 0.5													1112	X	X	X	X	X		X								X					
37	17	HA27 - 1.5													1114												X								
38	18	HA27 - 3													1116												X								
39	19	BGA - 0.5													1232	X	X	X	X	X										X					
40	20	BGA - 1.5													1234		RUN										X								

Relinquished by	Date	Time	Received by	Date	Time	Remarks
[signature]	7/9/19	1120	[signature]	7/10/19	11:20	Sample condition (circle): Chilled Intact
	7/10/19	1300	[signature]	7/10/19	1300	Excavation Area:

Run Arsenic (ONLY)

3.7/3.9

SC6

EFI Global

Engineering, Fire & Environmental Services

Andersen Environmental, an EFI Global Company
5261 West Imperial Highway, Los Angeles CA 90045
Tel: (310) 854-6300 Fax: (310) 854-0199 www.AndersenEnviro.com

Chain-of-Custody Record

3/3
~~AE_EFI_01~~

Analytical Laboratory:	Eurofins Calscience	Geotracker Global ID:	
Project Number:	WH Taft HS	045.00344	
Project Address:			
Project Manager:	see page 1		
Sampled by:			
Phone:			
Email:			

Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	Preservative: HNO3	Preservative: NaHSO4	Preservative: HCl	Sampling Information: Date	Sampling Information: Time	Method: VOCs (8260B 5035)	Method: Lead (6010B)	Method: Arsenic (6020)	Method: SVOCs (8270C)	Method: TPHg + EPH (8015)	Method: PCBs (8082)	Method: OCPs (8081A)	Method	Method	Method	Composite	Hold	Container: 4- or 8-ounce Glass	Container: Plastic Bag	Container: VOAs (by EPA 5035)	Container: Various	Container: VOAs (HCl)	Turnaround Time: Normal / Standard	Turnaround Time: 72 Hour	Turnaround Time: 48 Hours	Turnaround Time: 24 Hours
1	B9A - 3					X							7/9/19	1236												X	X					X			
2	B9B - 0.5													1257 ~~1253~~			X			X									X						
3	B9B - 1.5													1259												X									
4	B9B - 3													1301												X									
5	EB2				X									1502	X	X	X	X	X	X	X									X					
6	TB2							X																		X					X				
7																																			
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18																																			
19																																			
20																																			

Relinquished by	Date	Time	Received by	Date	Time	Remarks
[signature]	7/9/19	1120	Zhou Weimin	7/10/19	11:20	Sample condition (circle): Chilled Intact
	7/10/19	1300	[signature]	7/10/19	1300	Excavation Area:

3.6 / 3.8 SC6

Login Sample Receipt Checklist

Client: EFI Global, Inc. Job Number: 570-1375-2

Login Number: 1375 **List Source: Eurofins Calscience**
List Number: 1
Creator: Ramos, Maribel

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	IDs on containers do not match the COC. Logged in per COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

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

Laboratory Job ID: 570-1375-3
Client Project/Site: WH Taft HS

For:
EFI Global, Inc.
5261 West Imperial Highway
Los Angeles, California 90045

Attn: Desi Salgado

Authorized for release by:
9/4/2019 6:06:19 PM

Stephen Nowak, Project Manager I
(714)895-5494
stephennowak@eurofinsus.com

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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.

Table of Contents

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-3

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)

Job ID: 570-1375-3

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-1375-3

Comments
No additional comments.

Receipt
The samples were received on 7/10/2019 1:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 3.5º C, 3.7º C, 3.8º C and 3.9º C.

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

Detection Summary

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-3

Client Sample ID: B9B-3

Lab Sample ID: 570-1375-44

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	10.6		4.98		mg/Kg	100		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Method: 6020 - Metals (ICP/MS)

Client Sample ID: B9B-3 **Lab Sample ID: 570-1375-44**
Date Collected: 07/09/19 13:01 **Matrix: Solid**
Date Received: 07/10/19 13:00

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**10.6**		4.98		mg/Kg		08/29/19 15:45	08/29/19 21:57	100

1 2 3 4 5 6 7 8 9 10 11 12 13 14

QC Sample Results

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-3

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 570-16004/1-A ^20
Matrix: Solid
Analysis Batch: 16193

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 16004

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.995		mg/Kg		08/29/19 15:45	08/29/19 21:25	20

Lab Sample ID: LCS 570-16004/2-A ^20
Matrix: Solid
Analysis Batch: 16193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 16004

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			25.8	26.27		mg/Kg		102	80 - 120		

Lab Sample ID: LCSD 570-16004/3-A ^20
Matrix: Solid
Analysis Batch: 16193

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 16004

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic			24.6	25.13		mg/Kg		102	80 - 120	4	20

Lab Sample ID: 570-5957-F-21-F MS ^100
Matrix: Solid
Analysis Batch: 16278

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 16004

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic	ND		25.1	27.59		mg/Kg		110	72 - 132		

Lab Sample ID: 570-5957-F-21-G MSD ^100
Matrix: Solid
Analysis Batch: 16278

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 16004

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		25.3	27.35		mg/Kg		108	72 - 132	1	13

Metals

Cleanup Batch: 15939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-5957-F-21-F MS ^100	Matrix Spike	Total/NA	Solid	Homogenize Prep	
570-5957-F-21-G MSD ^100	Matrix Spike Duplicate	Total/NA	Solid	Homogenize Prep	

Prep Batch: 16004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-44	B9B-3	Total/NA	Solid	3050B	
MB 570-16004/1-A ^20	Method Blank	Total/NA	Solid	3050B	
LCS 570-16004/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-16004/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-5957-F-21-F MS ^100	Matrix Spike	Total/NA	Solid	3050B	15939
570-5957-F-21-G MSD ^100	Matrix Spike Duplicate	Total/NA	Solid	3050B	15939

Analysis Batch: 16193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1375-44	B9B-3	Total/NA	Solid	6020	16004
MB 570-16004/1-A ^20	Method Blank	Total/NA	Solid	6020	16004
LCS 570-16004/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	16004
LCSD 570-16004/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	6020	16004

Analysis Batch: 16278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-5957-F-21-F MS ^100	Matrix Spike	Total/NA	Solid	6020	16004
570-5957-F-21-G MSD ^100	Matrix Spike Duplicate	Total/NA	Solid	6020	16004

Lab Chronicle

Client: EFI Global, Inc. Job ID: 570-1375-3
Project/Site: WH Taft HS

Client Sample ID: B9B-3 **Lab Sample ID: 570-1375-44**
Date Collected: 07/09/19 13:01 **Matrix: Solid**
Date Received: 07/10/19 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	100 mL	16004	08/29/19 15:45	MD3A	ECL 1
Total/NA	Analysis	6020		100			16193	08/29/19 21:57	UFLE	ECL 1
	Instrument ID: ICPMS05									

Laboratory References:

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

Accreditation/Certification Summary

Client: EFI Global, Inc. Job ID: 570-1375-3
Project/Site: WH Taft HS

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 Program	AZ0781	03-13-20
California	SCAQMD LAP	N/A	11-30-19
California	State Program	2944	09-30-19
Guam	State Program	19-004R	10-31-19
Hawaii	State Program	N/A	01-29-20
Oregon	NELAP Primary AB	CA300001	01-20-20
Washington	State Program	C916	10-11-19

Method Summary

Method	Method Description	Protocol	Laboratory
6020	Metals (ICP/MS)	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1

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

Sample Summary

Client: EFI Global, Inc.
Project/Site: WH Taft HS

Job ID: 570-1375-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-1375-44	B9B-3	Solid	07/09/19 13:01	07/10/19 13:00	

EFI Global
Engineering, Fire & Environmental Services

Andersen Environmental, an EFI Global Company
5261 West Imperial Highway, Los Angeles CA 90045
Tel: (310) 854-6300 Fax: (310) 854-0199 www.AndersenEnviro.com

Chain of Custody

570-1375 Chain of Custody

1/3
~~AE_EFI_01~~

Analytical Laboratory:	Eurofins Calscience	Geotracker Global ID:	
Project Number:	WH Park HS		645.00349
Project Address:	5461 Winnetka Ave, Woodland Hills, CA 91364		
Project Manager:	Shayan Simantob		
Sampled by:	P. Skeath		
Phone:	(310) 920-1230		
Email:	shayan.simantob@efiglobal.com		

Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	Preservative: HNO3	Preservative: NaHSO4	Preservative: HCl	Sampling Information: Date	Sampling Information: Time	VOCs (8260B 5035)	Lead (6010B) @	Arsenic (6020)	SVOCs (8270C)	TPHg + TRPH (8015)	PCBs (8082)	OCPs (8081A)	Composite	Hold	4- or 8-ounce Glass	Plastic Bag	VOAs (by EPA 5035)	Turnaround Time: Normal / Standard (7 Day)	72 Hour	48 Hours	24 Hours
1	HA1-0.5		X			X							7/9/19	0817	X	X	X	X	X		X			X		X	X			
2	HA1-1.5													0819									X							
3	HA1-3													0821									X							
4	HA6-0.5													0902	X	X	X	X	X		X					X				
5	HA6-0.5 DUP													0902	X	X	X	X	X		X					X				
6	HA6-1.5													0904									X							
7	HA6-3													0906									X							
8	HA15-0.5													1002	X	X	X	X	X		X					X				
9	HA15-1.5													1004									X							
10	HA15-3													1006									X							
11	HA16-0.5													1217	X	X	X	X	X		X					X				
12	HA16-1.5													1219									X							
13	HA16-3													1221									X							
14	HA17-0.5													1037	X	X	X	X	X		X					X				
15	HA17-1.5													1039									X							
16	HA17-3													1041									X							
17	HA18-0.5 ~~1332~~													1332	X	X	X	X	X		X					X				
18	HA18-1.5													1335									X							
19	HA18-3													1337									X							
20	HA19-0.5													1132	X	X	X	X	X		X					X				

Relinquished by	Date	Time	Received by	Date	Time	Remarks
[signature]	7/9/19	1120	[signature]	7/10/19	11:20	Sample condition (circle): Chilled Intact
Zhou Wooma	7/10/19	1300	[signature]	7/10/19	1300	Excavation Area:

SC6 3.3/3.5 -3.5/3.7 ,, coolers

213

EFI Global

Engineering, Fire & Environmental Services

Andersen Environmental, an EFI Global Company
5261 West Imperial Highway, Los Angeles CA 90045
Tel: (310) 854-6300 Fax: (310) 854-0199 www.AndersenEnviro.com

Chain-of-Custody Record

~~AE_EFI_01~~

Analytical Laboratory:	Enviro Calscience	Geotracker Global ID:	
Project Number:	WH Taft HS	045.00349	
Project Address:			
Project Manager:	see page 1		
Sampled by:			
Phone:			
Email:			

	Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	Preservative: HNO3	Preservative: NaHSO4	Preservative: HCl	Sampling Information: Date	Sampling Information: Time	Method: VOCs (8260B/5035 low B)	Method: Lead (6010B)	Method: Arsenic (6020)	Method: SVOCs (8270C)	Method: TPH g + ERPH (8015)	Method: PCBs (8082)	Method: OCPs (8081A)	Method: Composite	Method: Hold	Container: 4- or 8-ounce Glass	Container: Plastic Bag	Container: VOAs (by EPA 5035)	Turnaround Time: Normal / Standard (7 Days)	Turnaround Time: 72 Hour	Turnaround Time: 48 Hours	Turnaround Time: 24 Hours
21	1	HA19 - 1.5		X			X							7/9/19	1134									X				X			
22	2	HA19 - 3													1136									X							
23	3	HA20 - 0.5													0932	X	X	X	X	X		X					X				
24	4	HA20 - 1.5													0934									X							
25	5	HA20 - 3													0936									X							
26	6	HA21 - 0.5													1442	X	X	X	X	X		X					X				
27	7	HA21 - 1.5													1444									X							
28	8	HA21 - 3													1446									X							
29	9	HA22 - 0.5													1402	X	X	X	X	X		X					X				
30	10	HA22 - 0.5 DUP													1402	X	X	X	X	X		X					X				
31	11	HA22 - 1.5													1404									X							
32	12	HA22 - 3													1406									X							
33	13	HA23 - 0.5													1422	X	X	X	X	X		X					X				
34	14	HA23 - 1.5													1424									X							
35	15	HA23 - 3													1426									X							
36	16	HA27 - 0.5													1112	X	X	X	X	X		X					X				
37	17	HA27 - 1.5													1114									X							
38	18	HA27 - 3													1116									X							
39	19	B9A - 0.5													1232	~~X~~	~~X~~	X RUN	~~X~~	~~X~~		~~X~~					X				
40	20	B9A - 1.5													1234									X							

Run Arsenic (only)

Relinquished by	Date	Time	Received by	Date	Time	Remarks
[signature]	7/9/19	1120	[signature]	7/10/19	11:20	Sample condition (circle): Chilled Intact
	7/10/19	1300	[signature]	7/10/19	1300	Excavation Area:

3.7/3.9 SC6

EFI Global
Engineering, Fire & Environmental Services

Andersen Environmental, an EFI Global Company
5261 West Imperial Highway, Los Angeles CA 90045
Tel: (310) 854-6300 Fax: (310) 854-0199 www.AndersenEnviro.com

Chain-of-Custody Record

3/3
~~AE_EFI_01~~

Analytical Laboratory: Eurofins Calscience		Geotracker Global ID:
Project Number:	WH Taft HS	045.00344
Project Address:		
Project Manager:	see page 1	
Sampled by:		
Phone:		
Email:		

	Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	Preservative: HNO3	Preservative: NaHSO4	Preservative: HCl	Sampling Information: Date	Sampling Information: Time
#1	1	B9A - 3					X							7/9/19	1236
#2	2	B9B - 0.5													1257 ~~1252~~ PS
#3	3	B9B - 1.5													1259
#4	4	B9B - 3													1301
#5	5	EB2				X									1502
#6	6	TB2							X						
	7														
	8														
	9														
	10														
	11														
	12														
	13														
	14														
	15														
	16														
	17														
	18														
	19														
	20														

Number	Method: VOCs (8260B 5035)	Lead (6010B)	Arsenic (6020)	SVOCs (8270C)	TPH-g + EPH (8015)	PCBs (8082)	OCPs (8081A)			Composite	Hold	Container: 4- or 8-ounce Glass	Plastic Bag	VOAs (by EPA 5035)	Various	VOAs (HCl)	Turnaround Time: Normal / Standard	72 Hour	48 Hours	24 Hours
1											X	X					X			
2			X											X						
3											X									
4											X									
5	X	X	X	X	X	X	X								X					
6											X					X				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				

Relinquished by	Date	Time	Received by	Date	Time	Remarks
Zhou Wenmin	7/9/19	1120	Zhou Wenmin	7/10/19	11:20	Sample condition (circle): Chilled Intact
	7/10/19	1300	[signature]	7/10/19	1300	Excavation Area:

3.6/3.8 SC6

To: desi.salgado@efiglobal.com; christine.hodges@efiglobal.com; stephennowak@eurofinsus.com
From: hoaibaonguyen@eurofinsus.com
Subject: RE: Eurofins Calscience report, EDD and invoice files from 570-1375-2 WH Taft HS

Hi Desi,

I will have this added, please let me know if you need anything else.

Best Regards,

Hoaibao (Tina) Nguyen
Assistant Project Manager

Eurofins Calscience, LLC
7440 Lincoln Way
GARDEN GROVE, CA 92841
USA
P: +1 714 895 5494
F: +1 714 894 7501

Email: HoaibaoNguyen@EurofinsUS.com
Website: www.EurofinsUS.com/Calscience

From: Salgado, Desi [mailto:Desi.Salgado@EFIGLOBAL.com]
Sent: Thursday, August 29, 2019 8:10 AM
To: Hoaibao Nguyen; Hodges, Christine
Subject: RE: Eurofins Calscience report, EDD and invoice files from 570-1375-2 WH Taft HS

EXTERNAL EMAIL*

Tina,

Please run sample B9B-3 for arsenic analysis on a 3 day TAT. Thank you.

Sincerely,
Desi Salgado | Project Manager
EFI Global, Inc.
Los Angeles, CA
DIRECT 310.854.6300 | FAX 310.854.0199
CELL 310.409.9980| EMAIL Desi.Salgado@efiglobal.com

Login Sample Receipt Checklist

Client: EFI Global, Inc. | Job Number: 570-1375-3

Login Number: 1375 | **List Source: Eurofins Calscience**
List Number: 1
Creator: Ramos, Maribel

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	IDs on containers do not match the COC. Logged in per COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

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

Laboratory Job ID: 570-1579-1
Client Project/Site: WH TAFT HS

For:
EFI Global, Inc.
5261 West Imperial Highway
Los Angeles, California 90045

Attn: Desi Salgado

Authorized for release by:
8/3/2019 12:43:24 PM
Hoaibao Nguyen, Project Manager I
hoaibaonguyen@eurofinsus.com

Designee for

Stephen Nowak, Project Manager I
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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.

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

Table of Contents

Definitions/Glossary

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1579-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
L	A negative instrument reading had an absolute value greater than the reporting limit

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

Job ID: 570-1579-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-1579-1

Comments
No additional comments.

Receipt
The samples were received on 7/11/2019 7:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4º C.

Receipt Exceptions
Method(s) 8260B: The following volatile sample was analyzed with significant headspace in the sample container(s): WD1 (570-1579-2). Significant headspace is defined as a bubble greater than 6 mm in diameter. 1 of 2 vials received with headspace.

GC/MS VOA
Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for the following sample associated with preparation batch 570-5015 and analytical batch 570-5418 were outside control limits: (570-1579-B-1-D MSD). 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.

GC VOA
Method(s) 8015B: The following sample have a chromatographic pattern that is inconsistent with the fuel standard used for quantitation: (570-1452-A-7).

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

GC Semi VOA
Method(s) 8081A: Surrogate recovery for the following sample was outside of acceptance limits: WD1 (570-1579-2). There was insufficient sample to perform a re-extraction; therefore, the data have been reported.

Method(s) 8082: Surrogate recovery for the following sample was outside of acceptance limits: WD1 (570-1579-2). There was insufficient sample to perform a re-extraction; therefore, the data have been reported.

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

Metals
Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-6108 and analytical batch 570-8098 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Organic Prep
Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-4936.LCS/LCSD performed to meet QC requirements. 8081/8082. OAJ3

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-4949. LCS/LCSD performed to meet QC requirements. 8270. OAJ3

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

Job ID: 570-1579-1 (Continued)

Laboratory: Eurofins Calscience LLC (Continued)

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

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1579-1

Client Sample ID: SD1 — Lab Sample ID: 570-1579-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
C25-C28	5.2		4.9		mg/Kg	1		8015B	Total/NA
C29-C32	11		4.9		mg/Kg	1		8015B	Total/NA
C33-C36	9.2		4.9		mg/Kg	1		8015B	Total/NA
C37-C40	6.5		4.9		mg/Kg	1		8015B	Total/NA
Arsenic	5.41		0.761		mg/Kg	1		6010B	Total/NA
Barium	136		0.508		mg/Kg	1		6010B	Total/NA
Beryllium	0.590		0.254		mg/Kg	1		6010B	Total/NA
Cadmium	1.28		0.508		mg/Kg	1		6010B	Total/NA
Cobalt	5.75		0.254		mg/Kg	1		6010B	Total/NA
Chromium	14.3		0.254		mg/Kg	1		6010B	Total/NA
Copper	21.4		0.508		mg/Kg	1		6010B	Total/NA
Molybdenum	2.65		0.254		mg/Kg	1		6010B	Total/NA
Nickel	22.2		0.254		mg/Kg	1		6010B	Total/NA
Vanadium	32.8		0.254		mg/Kg	1		6010B	Total/NA
Zinc	52.9		1.02		mg/Kg	1		6010B	Total/NA
Lead	3.90		0.508		mg/Kg	1		6010B	Total/NA

Client Sample ID: WD1 — Lab Sample ID: 570-1579-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Diethyl phthalate	18		9.7		ug/L	1		8270C	Total/NA
C13-C14	1100		46		ug/L	1		8015B	Total/NA
C15-C16	3800		46		ug/L	1		8015B	Total/NA
C17-C18	2000		46		ug/L	1		8015B	Total/NA
C19-C20	900		46		ug/L	1		8015B	Total/NA
C21-C22	990		46		ug/L	1		8015B	Total/NA
C23-C24	250		46		ug/L	1		8015B	Total/NA
C25-C28	180		46		ug/L	1		8015B	Total/NA
C29-C32	85		46		ug/L	1		8015B	Total/NA
C33-C36	76		46		ug/L	1		8015B	Total/NA
C37-C40	56		46		ug/L	1		8015B	Total/NA
Barium	0.0247		0.0100		mg/L	1		6010B	Total/NA
Copper	0.107		0.0500		mg/L	1		6010B	Total/NA
Zinc	0.271		0.250		mg/L	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

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

Client Sample ID: SD1
Date Collected: 07/10/19 15:30
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1579-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
1,1-Dichloroethane	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
1,1-Dichloroethene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
1,1-Dichloropropene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
1,2,3-Trichlorobenzene	ND	F1	10		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
1,2-Dibromoethane	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
1,2-Dichloroethane	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
1,2-Dichloropropane	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
1,3-Dichloropropane	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
2,2-Dichloropropane	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
2-Butanone	ND		50		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
1,4-Dioxane	ND		250		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
2-Chlorotoluene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
2-Hexanone	ND		50		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
4-Chlorotoluene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
4-Methyl-2-pentanone	ND		50		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Acetone	ND		120		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Benzene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Bromobenzene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Bromochloromethane	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Bromodichloromethane	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Bromoform	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Bromomethane	ND	F1	25		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Carbon disulfide	ND		50		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Carbon tetrachloride	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Chlorobenzene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Chloroethane	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Chloroform	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Chloromethane	ND		25		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Dibromochloromethane	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Dibromomethane	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Dichlorodifluoromethane	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Di-isopropyl ether (DIPE)	ND		10		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Ethanol	ND		250		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Ethylbenzene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1

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

Client Sample ID: SD1
Date Collected: 07/10/19 15:30
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1579-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		10		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Isopropylbenzene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Methylene Chloride	ND		50		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Naphthalene	ND		50		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
n-Butylbenzene	ND	F1	5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
N-Propylbenzene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
o-Xylene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
m,p-Xylene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
p-Isopropyltoluene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
sec-Butylbenzene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Styrene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Tert-amyl-methyl ether (TAME)	ND		10		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
tert-Butyl alcohol (TBA)	ND		50		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
tert-Butylbenzene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Tetrachloroethene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Toluene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Trichloroethene	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Trichlorofluoromethane	ND		50		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Vinyl acetate	ND		50		ug/Kg		07/13/19 14:09	07/16/19 15:14	1
Vinyl chloride	ND		5.0		ug/Kg		07/13/19 14:09	07/16/19 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*71 - 155*	*07/13/19 14:09*	*07/16/19 15:14*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*07/13/19 14:09*	*07/16/19 15:14*	*1*
Dibromofluoromethane	*106*		*79 - 133*	*07/13/19 14:09*	*07/16/19 15:14*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/13/19 14:09*	*07/16/19 15:14*	*1*

Client Sample ID: WD1
Date Collected: 07/10/19 15:35
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1579-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			07/17/19 02:21	1
1,1,1-Trichloroethane	ND		1.0		ug/L			07/17/19 02:21	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			07/17/19 02:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			07/17/19 02:21	1
1,1,2-Trichloroethane	ND		1.0		ug/L			07/17/19 02:21	1
1,1-Dichloroethane	ND		1.0		ug/L			07/17/19 02:21	1
1,1-Dichloroethene	ND		1.0		ug/L			07/17/19 02:21	1
1,1-Dichloropropene	ND		1.0		ug/L			07/17/19 02:21	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			07/17/19 02:21	1
1,2,3-Trichloropropane	ND		5.0		ug/L			07/17/19 02:21	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/17/19 02:21	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			07/17/19 02:21	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			07/17/19 02:21	1
1,2-Dibromoethane	ND		1.0		ug/L			07/17/19 02:21	1
1,2-Dichlorobenzene	ND		1.0		ug/L			07/17/19 02:21	1
1,2-Dichloroethane	ND		0.50		ug/L			07/17/19 02:21	1

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

Client Sample ID: WD1
Date Collected: 07/10/19 15:35
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1579-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0		ug/L			07/17/19 02:21	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			07/17/19 02:21	1
1,3-Dichlorobenzene	ND		1.0		ug/L			07/17/19 02:21	1
1,3-Dichloropropane	ND		1.0		ug/L			07/17/19 02:21	1
1,4-Dichlorobenzene	ND		1.0		ug/L			07/17/19 02:21	1
2,2-Dichloropropane	ND		1.0		ug/L			07/17/19 02:21	1
2-Butanone	ND		20		ug/L			07/17/19 02:21	1
1,4-Dioxane	ND		100		ug/L			07/17/19 02:21	1
2-Chlorotoluene	ND		1.0		ug/L			07/17/19 02:21	1
2-Hexanone	ND		10		ug/L			07/17/19 02:21	1
4-Chlorotoluene	ND		1.0		ug/L			07/17/19 02:21	1
4-Methyl-2-pentanone	ND		10		ug/L			07/17/19 02:21	1
Acetone	ND		20		ug/L			07/17/19 02:21	1
Benzene	ND		1.0		ug/L			07/17/19 02:21	1
Bromobenzene	ND		1.0		ug/L			07/17/19 02:21	1
Bromochloromethane	ND		2.0		ug/L			07/17/19 02:21	1
Bromodichloromethane	ND		1.0		ug/L			07/17/19 02:21	1
Bromoform	ND		5.0		ug/L			07/17/19 02:21	1
Bromomethane	ND		50		ug/L			07/17/19 02:21	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			07/17/19 02:21	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			07/17/19 02:21	1
Carbon disulfide	ND		10		ug/L			07/17/19 02:21	1
Carbon tetrachloride	ND		0.50		ug/L			07/17/19 02:21	1
Chlorobenzene	ND		1.0		ug/L			07/17/19 02:21	1
Chloroethane	ND		5.0		ug/L			07/17/19 02:21	1
Chloroform	ND		1.0		ug/L			07/17/19 02:21	1
Chloromethane	ND		10		ug/L			07/17/19 02:21	1
Dibromochloromethane	ND		2.0		ug/L			07/17/19 02:21	1
Dibromomethane	ND		1.0		ug/L			07/17/19 02:21	1
Dichlorodifluoromethane	ND		5.0		ug/L			07/17/19 02:21	1
Di-isopropyl ether (DIPE)	ND		2.0		ug/L			07/17/19 02:21	1
Ethanol	ND		100		ug/L			07/17/19 02:21	1
Ethylbenzene	ND		1.0		ug/L			07/17/19 02:21	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			07/17/19 02:21	1
Isopropylbenzene	ND		1.0		ug/L			07/17/19 02:21	1
Methylene Chloride	ND		10		ug/L			07/17/19 02:21	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			07/17/19 02:21	1
Naphthalene	ND		10		ug/L			07/17/19 02:21	1
n-Butylbenzene	ND		1.0		ug/L			07/17/19 02:21	1
N-Propylbenzene	ND		1.0		ug/L			07/17/19 02:21	1
o-Xylene	ND		1.0		ug/L			07/17/19 02:21	1
m,p-Xylene	ND		2.0		ug/L			07/17/19 02:21	1
p-Isopropyltoluene	ND		1.0		ug/L			07/17/19 02:21	1
sec-Butylbenzene	ND		1.0		ug/L			07/17/19 02:21	1
Styrene	ND		1.0		ug/L			07/17/19 02:21	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			07/17/19 02:21	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			07/17/19 02:21	1
Tert-amyl-methyl ether (TAME)	ND		2.0		ug/L			07/17/19 02:21	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			07/17/19 02:21	1

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

Client Sample ID: WD1
Lab Sample ID: 570-1579-2
Date Collected: 07/10/19 15:35
Matrix: Water
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		1.0		ug/L			07/17/19 02:21	1
Tetrachloroethene	ND		1.0		ug/L			07/17/19 02:21	1
Toluene	ND		1.0		ug/L			07/17/19 02:21	1
Trichloroethene	ND		1.0		ug/L			07/17/19 02:21	1
Trichlorofluoromethane	ND		10		ug/L			07/17/19 02:21	1
Vinyl acetate	ND		10		ug/L			07/17/19 02:21	1
Vinyl chloride	ND		0.50		ug/L			07/17/19 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 129*		*07/17/19 02:21*	*1*
4-Bromofluorobenzene (Surr)	*93*		*77 - 120*		*07/17/19 02:21*	*1*
Dibromofluoromethane	*106*		*80 - 128*		*07/17/19 02:21*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*07/17/19 02:21*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: SD1
Date Collected: 07/10/19 15:30
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1579-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
1,2-Dichlorobenzene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
1,3-Dichlorobenzene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
1,4-Dichlorobenzene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
1-Methylnaphthalene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
2,4,5-Trichlorophenol	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
2,4,6-Trichlorophenol	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
2,4-Dichlorophenol	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
2,4-Dimethylphenol	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
2,4-Dinitrotoluene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
2,6-Dichlorophenol	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
2,6-Dinitrotoluene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
2-Chloronaphthalene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
2-Chlorophenol	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
2-Methylnaphthalene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
2-Methylphenol	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
2-Nitroaniline	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
2-Nitrophenol	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
3 & 4 Methylphenol	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
3-Nitroaniline	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
4-Bromophenyl phenyl ether	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
4-Chloro-3-methylphenol	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
4-Chloroaniline	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
4-Chlorophenyl phenyl ether	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
4-Nitroaniline	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
4-Nitrophenol	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Acenaphthene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Acenaphthylene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Aniline	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Anthracene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Azobenzene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Benzidine	ND		4.9		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Benzo[a]anthracene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Benzo[a]pyrene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Benzo[b]fluoranthene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Benzo[g,h,i]perylene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Benzo[k]fluoranthene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Benzoic acid	ND		2.5		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Benzyl alcohol	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Bis(2-chloroethoxy)methane	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Bis(2-ethylhexyl) phthalate	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Butyl benzyl phthalate	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Chrysene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Dibenz(a,h)anthracene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Dibenzofuran	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SD1
Date Collected: 07/10/19 15:30
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1579-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Dimethyl phthalate	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Di-n-butyl phthalate	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Di-n-octyl phthalate	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Fluoranthene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Fluorene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Hexachloro-1,3-butadiene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Hexachlorobenzene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Hexachloroethane	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Indeno[1,2,3-cd]pyrene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Isophorone	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Naphthalene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Nitrobenzene	ND		2.0		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
N-Nitrosodimethylamine	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
N-Nitrosodi-n-propylamine	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
N-Nitrosodiphenylamine	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Pentachlorophenol	ND		2.5		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Phenanthrene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Phenol	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Pyrene	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
Pyridine	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1
bis (2-Chloroisopropyl) ether	ND		0.49		mg/Kg		07/12/19 16:52	07/17/19 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*29*		*18 - 138*	*07/12/19 16:52*	*07/17/19 19:29*	*1*
2-Fluorobiphenyl (Surr)	*36*		*27 - 120*	*07/12/19 16:52*	*07/17/19 19:29*	*1*
2-Fluorophenol (Surr)	*36*		*25 - 120*	*07/12/19 16:52*	*07/17/19 19:29*	*1*
Nitrobenzene-d5 (Surr)	*33*		*33 - 123*	*07/12/19 16:52*	*07/17/19 19:29*	*1*
p-Terphenyl-d14 (Surr)	*42*		*27 - 159*	*07/12/19 16:52*	*07/17/19 19:29*	*1*
Phenol-d6 (Surr)	*36*		*26 - 122*	*07/12/19 16:52*	*07/17/19 19:29*	*1*

Client Sample ID: WD1
Date Collected: 07/10/19 15:35
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1579-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
1,2-Dichlorobenzene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
1,3-Dichlorobenzene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
1,4-Dichlorobenzene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
1-Methylnaphthalene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
2,4,5-Trichlorophenol	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
2,4,6-Trichlorophenol	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
2,4-Dichlorophenol	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
2,4-Dimethylphenol	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
2,4-Dinitrophenol	ND		48		ug/L		07/13/19 09:41	07/15/19 19:58	1
2,4-Dinitrotoluene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
2,6-Dichlorophenol	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
2,6-Dinitrotoluene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
2-Chloronaphthalene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1579-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: WD1
Date Collected: 07/10/19 15:35
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1579-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
2-Methylnaphthalene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
2-Methylphenol	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
2-Nitroaniline	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
2-Nitrophenol	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
3,3'-Dichlorobenzidine	ND		24		ug/L		07/13/19 09:41	07/15/19 19:58	1
3 & 4 Methylphenol	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
3-Nitroaniline	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
4,6-Dinitro-2-methylphenol	ND		48		ug/L		07/13/19 09:41	07/15/19 19:58	1
4-Bromophenyl phenyl ether	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
4-Chloro-3-methylphenol	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
4-Chloroaniline	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
4-Chlorophenyl phenyl ether	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
4-Nitroaniline	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
4-Nitrophenol	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Acenaphthene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Acenaphthylene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Aniline	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Anthracene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Azobenzene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Benzidine	ND		48		ug/L		07/13/19 09:41	07/15/19 19:58	1
Benzo[a]anthracene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Benzo[a]pyrene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Benzo[b]fluoranthene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Benzo[g,h,i]perylene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Benzo[k]fluoranthene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Benzoic acid	ND		48		ug/L		07/13/19 09:41	07/15/19 19:58	1
Benzyl alcohol	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Bis(2-chloroethoxy)methane	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Bis(2-chloroethyl)ether	ND		24		ug/L		07/13/19 09:41	07/15/19 19:58	1
Bis(2-ethylhexyl) phthalate	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Butyl benzyl phthalate	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Chrysene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Dibenz(a,h)anthracene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Dibenzofuran	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Diethyl phthalate	**18**		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Dimethyl phthalate	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Di-n-butyl phthalate	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Di-n-octyl phthalate	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Fluoranthene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Fluorene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Hexachloro-1,3-butadiene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Hexachlorobenzene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Hexachlorocyclopentadiene	ND		24		ug/L		07/13/19 09:41	07/15/19 19:58	1
Hexachloroethane	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Indeno[1,2,3-cd]pyrene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Isophorone	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Naphthalene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Nitrobenzene	ND		24		ug/L		07/13/19 09:41	07/15/19 19:58	1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: WD1 **Lab Sample ID: 570-1579-2**
Date Collected: 07/10/19 15:35 **Matrix: Water**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
N-Nitrosodi-n-propylamine	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
N-Nitrosodiphenylamine	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Pentachlorophenol	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Phenanthrene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Phenol	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Pyrene	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
Pyridine	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1
bis (2-Chloroisopropyl) ether	ND		9.7		ug/L		07/13/19 09:41	07/15/19 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*97*		*32 - 143*	*07/13/19 09:41*	*07/15/19 19:58*	*1*
2-Fluorobiphenyl (Surr)	*98*		*45 - 120*	*07/13/19 09:41*	*07/15/19 19:58*	*1*
2-Fluorophenol (Surr)	*54*		*15 - 138*	*07/13/19 09:41*	*07/15/19 19:58*	*1*
Nitrobenzene-d5 (Surr)	*91*		*56 - 123*	*07/13/19 09:41*	*07/15/19 19:58*	*1*
p-Terphenyl-d14 (Surr)	*104*		*46 - 133*	*07/13/19 09:41*	*07/15/19 19:58*	*1*
Phenol-d6 (Surr)	*37*		*17 - 141*	*07/13/19 09:41*	*07/15/19 19:58*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Client Sample ID: SD1
Date Collected: 07/10/19 15:30
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1579-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/13/19 13:11	07/16/19 01:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*42 - 126*	*07/13/19 13:11*	*07/16/19 01:18*	*1*

Client Sample ID: WD1
Date Collected: 07/10/19 15:35
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1579-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		50		ug/L			07/15/19 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*38 - 134*		*07/15/19 20:42*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: SD1 **Lab Sample ID: 570-1579-1**
Date Collected: 07/10/19 15:30 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		4.9		mg/Kg		07/16/19 11:34	07/16/19 23:50	1
C13-C14	ND		4.9		mg/Kg		07/16/19 11:34	07/16/19 23:50	1
C15-C16	ND		4.9		mg/Kg		07/16/19 11:34	07/16/19 23:50	1
C17-C18	ND		4.9		mg/Kg		07/16/19 11:34	07/16/19 23:50	1
C19-C20	ND		4.9		mg/Kg		07/16/19 11:34	07/16/19 23:50	1
C21-C22	ND		4.9		mg/Kg		07/16/19 11:34	07/16/19 23:50	1
C23-C24	ND		4.9		mg/Kg		07/16/19 11:34	07/16/19 23:50	1
C25-C28	**5.2**		4.9		mg/Kg		07/16/19 11:34	07/16/19 23:50	1
C29-C32	**11**		4.9		mg/Kg		07/16/19 11:34	07/16/19 23:50	1
C33-C36	**9.2**		4.9		mg/Kg		07/16/19 11:34	07/16/19 23:50	1
C37-C40	**6.5**		4.9		mg/Kg		07/16/19 11:34	07/16/19 23:50	1
C41-C44	ND		4.9		mg/Kg		07/16/19 11:34	07/16/19 23:50	1
C9-C10	ND		4.9		mg/Kg		07/16/19 11:34	07/16/19 23:50	1
C6 as C6	ND		4.9		mg/Kg		07/16/19 11:34	07/16/19 23:50	1
C7 as C7	ND		4.9		mg/Kg		07/16/19 11:34	07/16/19 23:50	1
C8 as C8	ND		4.9		mg/Kg		07/16/19 11:34	07/16/19 23:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*105*		*61 - 145*	*07/16/19 11:34*	*07/16/19 23:50*	*1*

Client Sample ID: WD1 **Lab Sample ID: 570-1579-2**
Date Collected: 07/10/19 15:35 **Matrix: Water**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		46		ug/L		07/14/19 11:42	07/18/19 03:21	1
C13-C14	**1100**		46		ug/L		07/14/19 11:42	07/18/19 03:21	1
C15-C16	**3800**		46		ug/L		07/14/19 11:42	07/18/19 03:21	1
C17-C18	**2000**		46		ug/L		07/14/19 11:42	07/18/19 03:21	1
C19-C20	**900**		46		ug/L		07/14/19 11:42	07/18/19 03:21	1
C21-C22	**990**		46		ug/L		07/14/19 11:42	07/18/19 03:21	1
C23-C24	**250**		46		ug/L		07/14/19 11:42	07/18/19 03:21	1
C25-C28	**180**		46		ug/L		07/14/19 11:42	07/18/19 03:21	1
C29-C32	**85**		46		ug/L		07/14/19 11:42	07/18/19 03:21	1
C33-C36	**76**		46		ug/L		07/14/19 11:42	07/18/19 03:21	1
C37-C40	**56**		46		ug/L		07/14/19 11:42	07/18/19 03:21	1
C41-C44	ND		46		ug/L		07/14/19 11:42	07/18/19 03:21	1
C9-C10	ND		46		ug/L		07/14/19 11:42	07/18/19 03:21	1
C6 as C6	ND		46		ug/L		07/14/19 11:42	07/18/19 03:21	1
C7 as C7	ND		46		ug/L		07/14/19 11:42	07/18/19 03:21	1
C8 as C8	ND		46		ug/L		07/14/19 11:42	07/18/19 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*71*		*68 - 140*	*07/14/19 11:42*	*07/18/19 03:21*	*1*

Client Sample Results

Client: EFI Global, Inc. Job ID: 570-1579-1
Project/Site: WH TAFT HS

Method: 8081A - Organochlorine Pesticides (GC)

Client Sample ID: SD1 **Lab Sample ID: 570-1579-1**
Date Collected: 07/10/19 15:30 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	ug/Kg		07/16/19 12:05	07/18/19 08:03	1
4,4'-DDE	ND		4.9	ug/Kg		07/16/19 12:05	07/18/19 08:03	1
4,4'-DDT	ND		4.9	ug/Kg		07/16/19 12:05	07/18/19 08:03	1
Aldrin	ND		4.9	ug/Kg		07/16/19 12:05	07/18/19 08:03	1
alpha-BHC	ND		4.9	ug/Kg		07/16/19 12:05	07/18/19 08:03	1
beta-BHC	ND		4.9	ug/Kg		07/16/19 12:05	07/18/19 08:03	1
Chlordane	ND		25	ug/Kg		07/16/19 12:05	07/18/19 08:03	1
delta-BHC	ND		4.9	ug/Kg		07/16/19 12:05	07/18/19 08:03	1
Dieldrin	ND		0.98	ug/Kg		07/16/19 12:05	07/18/19 08:03	1
Endosulfan I	ND		4.9	ug/Kg		07/16/19 12:05	07/18/19 08:03	1
Endosulfan II	ND		4.9	ug/Kg		07/16/19 12:05	07/18/19 08:03	1
Endosulfan sulfate	ND		4.9	ug/Kg		07/16/19 12:05	07/18/19 08:03	1
Endrin	ND		4.9	ug/Kg		07/16/19 12:05	07/18/19 08:03	1
Endrin aldehyde	ND		4.9	ug/Kg		07/16/19 12:05	07/18/19 08:03	1
Endrin ketone	ND		4.9	ug/Kg		07/16/19 12:05	07/18/19 08:03	1
gamma-BHC	ND		4.9	ug/Kg		07/16/19 12:05	07/18/19 08:03	1
Heptachlor	ND		4.9	ug/Kg		07/16/19 12:05	07/18/19 08:03	1
Heptachlor epoxide	ND		4.9	ug/Kg		07/16/19 12:05	07/18/19 08:03	1
Methoxychlor	ND		4.9	ug/Kg		07/16/19 12:05	07/18/19 08:03	1
Toxaphene	ND		25	ug/Kg		07/16/19 12:05	07/18/19 08:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*25 - 145*	*07/16/19 12:05*	*07/18/19 08:03*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*24 - 168*	*07/16/19 12:05*	*07/18/19 08:03*	*1*

Client Sample ID: WD1 **Lab Sample ID: 570-1579-2**
Date Collected: 07/10/19 15:35 **Matrix: Water**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.049	ug/L		07/13/19 07:33	07/18/19 14:22	1
4,4'-DDE	ND		0.020	ug/L		07/13/19 07:33	07/18/19 14:22	1
4,4'-DDT	ND		0.049	ug/L		07/13/19 07:33	07/18/19 14:22	1
Aldrin	ND		0.049	ug/L		07/13/19 07:33	07/18/19 14:22	1
alpha-BHC	ND		0.020	ug/L		07/13/19 07:33	07/18/19 14:22	1
beta-BHC	ND		0.020	ug/L		07/13/19 07:33	07/18/19 14:22	1
Chlordane	ND		0.098	ug/L		07/13/19 07:33	07/18/19 14:22	1
delta-BHC	ND		0.020	ug/L		07/13/19 07:33	07/18/19 14:22	1
Dieldrin	ND		0.049	ug/L		07/13/19 07:33	07/18/19 14:22	1
Endosulfan I	ND		0.049	ug/L		07/13/19 07:33	07/18/19 14:22	1
Endosulfan II	ND		0.049	ug/L		07/13/19 07:33	07/18/19 14:22	1
Endosulfan sulfate	ND		0.049	ug/L		07/13/19 07:33	07/18/19 14:22	1
Endrin	ND		0.020	ug/L		07/13/19 07:33	07/18/19 14:22	1
Endrin aldehyde	ND		0.098	ug/L		07/13/19 07:33	07/18/19 14:22	1
Endrin ketone	ND		0.049	ug/L		07/13/19 07:33	07/18/19 14:22	1
gamma-BHC	ND		0.020	ug/L		07/13/19 07:33	07/18/19 14:22	1
Heptachlor	ND		0.020	ug/L		07/13/19 07:33	07/18/19 14:22	1
Heptachlor epoxide	ND		0.020	ug/L		07/13/19 07:33	07/18/19 14:22	1
Methoxychlor	ND		0.049	ug/L		07/13/19 07:33	07/18/19 14:22	1
Toxaphene	ND		0.29	ug/L		07/13/19 07:33	07/18/19 14:22	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*72*		*50 - 135*	*07/13/19 07:33*	*07/18/19 14:22*	*1*
DCB Decachlorobiphenyl (Surr)	*15*	*X*	*50 - 135*	*07/13/19 07:33*	*07/18/19 14:22*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: SD1
Date Collected: 07/10/19 15:30
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1579-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		49		ug/Kg		07/16/19 12:05	07/18/19 04:12	1
PCB-1221	ND		49		ug/Kg		07/16/19 12:05	07/18/19 04:12	1
PCB-1232	ND		49		ug/Kg		07/16/19 12:05	07/18/19 04:12	1
PCB-1242	ND		49		ug/Kg		07/16/19 12:05	07/18/19 04:12	1
PCB-1248	ND		49		ug/Kg		07/16/19 12:05	07/18/19 04:12	1
PCB-1254	ND		49		ug/Kg		07/16/19 12:05	07/18/19 04:12	1
PCB-1260	ND		49		ug/Kg		07/16/19 12:05	07/18/19 04:12	1
PCB-1262	ND		49		ug/Kg		07/16/19 12:05	07/18/19 04:12	1
PCB-1268	ND		49		ug/Kg		07/16/19 12:05	07/18/19 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*24 - 168*	*07/16/19 12:05*	*07/18/19 04:12*	*1*
Tetrachloro-m-xylene	*83*		*25 - 145*	*07/16/19 12:05*	*07/18/19 04:12*	*1*

Client Sample ID: WD1
Date Collected: 07/10/19 15:35
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1579-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.49		ug/L		07/13/19 07:33	07/14/19 16:56	1
PCB-1221	ND		0.49		ug/L		07/13/19 07:33	07/14/19 16:56	1
PCB-1232	ND		0.49		ug/L		07/13/19 07:33	07/14/19 16:56	1
PCB-1242	ND		0.49		ug/L		07/13/19 07:33	07/14/19 16:56	1
PCB-1248	ND		0.49		ug/L		07/13/19 07:33	07/14/19 16:56	1
PCB-1254	ND		0.49		ug/L		07/13/19 07:33	07/14/19 16:56	1
PCB-1260	ND		0.49		ug/L		07/13/19 07:33	07/14/19 16:56	1
PCB-1262	ND		0.49		ug/L		07/13/19 07:33	07/14/19 16:56	1
PCB-1268	ND		0.49		ug/L		07/13/19 07:33	07/14/19 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*16*	*X*	*50 - 135*	*07/13/19 07:33*	*07/14/19 16:56*	*1*
Tetrachloro-m-xylene	*55*		*50 - 135*	*07/13/19 07:33*	*07/14/19 16:56*	*1*

Method: 6010B - Metals (ICP)

Client Sample ID: SD1
Date Collected: 07/10/19 15:30
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1579-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND	L	0.254		mg/Kg		07/16/19 16:00	07/19/19 18:47	1
Arsenic	**5.41**		0.761		mg/Kg		07/16/19 16:00	07/19/19 18:47	1
Barium	**136**		0.508		mg/Kg		07/16/19 16:00	07/19/19 18:47	1
Beryllium	**0.590**		0.254		mg/Kg		07/16/19 16:00	07/19/19 18:47	1
Cadmium	**1.28**		0.508		mg/Kg		07/16/19 16:00	07/19/19 18:47	1
Cobalt	**5.75**		0.254		mg/Kg		07/16/19 16:00	07/19/19 18:47	1
Chromium	**14.3**		0.254		mg/Kg		07/16/19 16:00	07/19/19 18:47	1
Copper	**21.4**		0.508		mg/Kg		07/16/19 16:00	07/19/19 18:47	1
Molybdenum	**2.65**		0.254		mg/Kg		07/16/19 16:00	07/19/19 18:47	1
Nickel	**22.2**		0.254		mg/Kg		07/16/19 16:00	07/19/19 18:47	1
Antimony	ND	L	0.761		mg/Kg		07/16/19 16:00	07/19/19 18:47	1
Selenium	ND		0.761		mg/Kg		07/16/19 16:00	07/19/19 18:47	1
Thallium	ND		0.761		mg/Kg		07/16/19 16:00	07/19/19 18:47	1
Vanadium	**32.8**		0.254		mg/Kg		07/16/19 16:00	07/19/19 18:47	1
Zinc	**52.9**		1.02		mg/Kg		07/16/19 16:00	07/19/19 18:47	1
Lead	**3.90**		0.508		mg/Kg		07/16/19 16:00	07/19/19 18:47	1

Client Sample ID: WD1
Date Collected: 07/10/19 15:35
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1579-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND	F1	0.0100		mg/L		07/18/19 12:00	07/26/19 12:34	1
Arsenic	ND		0.100		mg/L		07/18/19 12:00	07/26/19 12:34	1
Barium	**0.0247**		0.0100		mg/L		07/18/19 12:00	07/26/19 12:34	1
Beryllium	ND		0.0100		mg/L		07/18/19 12:00	07/26/19 12:34	1
Cadmium	ND		0.0100		mg/L		07/18/19 12:00	07/26/19 12:34	1
Cobalt	ND		0.0500		mg/L		07/18/19 12:00	07/26/19 12:34	1
Chromium	ND		0.0500		mg/L		07/18/19 12:00	07/26/19 12:34	1
Copper	**0.107**		0.0500		mg/L		07/18/19 12:00	07/26/19 12:34	1
Molybdenum	ND	F2	0.0500		mg/L		07/18/19 12:00	07/26/19 12:34	1
Nickel	ND		0.0500		mg/L		07/18/19 12:00	07/26/19 12:34	1
Antimony	ND	F1	0.100		mg/L		07/18/19 12:00	07/26/19 12:34	1
Selenium	ND		0.100		mg/L		07/18/19 12:00	07/26/19 12:34	1
Thallium	ND		0.0500		mg/L		07/18/19 12:00	07/26/19 12:34	1
Vanadium	ND		0.0100		mg/L		07/18/19 12:00	07/26/19 12:34	1
Zinc	**0.271**		0.250		mg/L		07/18/19 12:00	07/26/19 12:34	1
Lead	ND		0.0500		mg/L		07/18/19 12:00	07/26/19 12:34	1

Method: 7470A - Mercury (CVAA)

Client Sample ID: WD1 **Lab Sample ID: 570-1579-2**
Date Collected: 07/10/19 15:35 **Matrix: Water**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500		mg/L		07/22/19 12:00	07/22/19 16:21	1

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1579-1

Method: 7471A - Mercury (CVAA)

Client Sample ID: SD1
Date Collected: 07/10/19 15:30
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1579-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		07/17/19 09:15	07/17/19 17:05	1

Surrogate Summary

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(71-155)	(80-120)	(79-133)	(80-120)
570-1579-1	SD1	106	99	106	100
570-1579-1 MS	SD1	104	103	103	99
570-1579-1 MSD	SD1	107	102	105	98
LCS 570-5418/9	Lab Control Sample	103	101	108	100
LCSD 570-5418/10	Lab Control Sample Dup	104	100	104	98
MB 570-5157/1-A	Method Blank	98	98	96	100
MB 570-5306/1-A	Method Blank	106	94	103	98

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-129)	(77-120)	(80-128)	(80-120)
570-1579-2	WD1	99	93	106	105
LCS 570-5489/4	Lab Control Sample	101	103	97	98
LCSD 570-5489/5	Lab Control Sample Dup	102	103	100	98
MB 570-5489/9	Method Blank	101	95	100	98

Surrogate Legend

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

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL6
Lab Sample ID	Client Sample ID	(18-138)	(27-120)	(25-120)	(33-123)	(27-159)	(26-122)
570-1579-1	SD1	29	36	36	33	42	36
570-1581-A-25-C MS	Matrix Spike	74	86	95	81	94	99
570-1581-A-25-D MSD	Matrix Spike Duplicate	63	75	75	67	81	79
LCS 570-4865/2-A	Lab Control Sample	91	96	96	91	103	103
MB 570-4865/1-A	Method Blank	98	101	94	94	108	100

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL6 = Phenol-d6 (Surr)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL6
Lab Sample ID	Client Sample ID	(32-143)	(45-120)	(15-138)	(56-123)	(46-133)	(17-141)
570-1579-2	WD1	97	98	54	91	104	37
LCS 570-4949/2-A	Lab Control Sample	86	90	65	88	95	43
LCSD 570-4949/3-A	Lab Control Sample Dup	66	73	51	69	77	33
MB 570-4949/1-A	Method Blank	89	86	58	82	113	36

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL6 = Phenol-d6 (Surr)

Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(42-126)
570-1579-1	SD1	97
570-1583-B-1-B MS	Matrix Spike	89
570-1583-G-1-A MSD	Matrix Spike Duplicate	104
LCS 570-5013/1-A	Lab Control Sample	109
LCSD 570-5013/2-A	Lab Control Sample Dup	111
MB 570-5013/3-A	Method Blank	90
MB 570-5180/1-A	Method Blank	93

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(38-134)
570-1452-A-7 MS	Matrix Spike	87
570-1452-A-7 MSD	Matrix Spike Duplicate	87
570-1579-2	WD1	79
LCS 570-5143/3	Lab Control Sample	88
LCSD 570-5143/4	Lab Control Sample Dup	87
MB 570-5143/6	Method Blank	82

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(61-145)
570-1478-A-1-C MS	Matrix Spike	94

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (61-145)
570-1478-A-1-D MSD	Matrix Spike Duplicate	95
570-1579-1	SD1	105
LCS 570-5396/2-A	Lab Control Sample	97
MB 570-5396/1-A	Method Blank	81

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Water **Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (68-140)
570-1579-2	WD1	71
LCS 570-5081/2-A	Lab Control Sample	109
LCSD 570-5081/3-A	Lab Control Sample Dup	116
MB 570-5081/1-A	Method Blank	109

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (25-145)	TCX2 (25-145)	DCB1 (24-168)	DCB2 (24-168)
570-1579-1	SD1	77	77	81	83
570-1579-1 MS	SD1	72	71	78	82
570-1579-1 MSD	SD1	73	72	83	87
LCS 570-5342/2-A	Lab Control Sample	88	87	84	84
MB 570-5342/1-A	Method Blank	84	81	86	85

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl (Surr)

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (50-135)	TCX2 (50-135)	DCB1 (50-135)	DCB2 (50-135)
570-1579-2	WD1	36 X		12 X	
570-1579-2	WD1	72	48 X	15 X	26 X
LCS 570-4936/2-A	Lab Control Sample	85	85	77	81
LCSD 570-4936/3-A	Lab Control Sample Dup	90	90	77	80
MB 570-4936/1-A	Method Blank	88	88	76	80

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl (Surr)

Surrogate Summary

Client: EFI Global, Inc. Job ID: 570-1579-1
Project/Site: WH TAFT HS

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB2 (24-168)	TCX2 (25-145)
570-1579-1	SD1	83	83
570-1838-A-1-A MS	Matrix Spike	40	41
570-1838-A-1-B MSD	Matrix Spike Duplicate	69	68
LCS 570-5342/5-A	Lab Control Sample	83	90
MB 570-5342/1-A	Method Blank	83	86

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB2 (50-135)	TCX2 (50-135)
570-1579-2	WD1	16 X	55
LCS 570-4936/4-A	Lab Control Sample	77	90
LCSD 570-4936/5-A	Lab Control Sample Dup	81	94
MB 570-4936/1-A	Method Blank	75	90

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Client: EFI Global, Inc. Job ID: 570-1579-1
Project/Site: WH TAFT HS

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

Lab Sample ID: 570-1579-1 MS **Client Sample ID: SD1**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5418 **Prep Batch: 5015**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		50.5	43.66		ug/Kg		86	47 - 143
1,2-Dibromoethane	ND		50.5	49.77		ug/Kg		99	64 - 124
1,2-Dichlorobenzene	ND		50.5	39.67		ug/Kg		79	35 - 131
1,2-Dichloroethane	ND		50.5	48.03		ug/Kg		95	70 - 130
1,4-Dioxane	ND		505	476.9		ug/Kg		94	70 - 130
Benzene	ND		50.5	41.95		ug/Kg		83	61 - 127
Carbon tetrachloride	ND		50.5	45.46		ug/Kg		90	51 - 135
Chlorobenzene	ND		50.5	42.13		ug/Kg		83	57 - 123
Di-isopropyl ether (DIPE)	ND		50.5	44.80		ug/Kg		89	57 - 129
Ethanol	ND		505	473.6		ug/Kg		94	17 - 167
Ethylbenzene	ND		50.5	44.04		ug/Kg		87	57 - 129
Ethyl-t-butyl ether (ETBE)	ND		50.5	43.92		ug/Kg		87	55 - 127
Methyl-t-Butyl Ether (MTBE)	ND		50.5	40.70		ug/Kg		81	57 - 123
o-Xylene	ND		50.5	43.72		ug/Kg		87	70 - 130
m,p-Xylene	ND		101	87.43		ug/Kg		87	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*71 - 155*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane	*103*		*79 - 133*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 570-1579-1 MSD **Client Sample ID: SD1**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5418 **Prep Batch: 5015**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		50.7	40.21		ug/Kg		79	47 - 143	8	25
1,2-Dibromoethane	ND		50.7	43.47		ug/Kg		86	64 - 124	14	20
1,2-Dichlorobenzene	ND		50.7	37.60		ug/Kg		74	35 - 131	5	25
1,2-Dichloroethane	ND		50.7	43.24		ug/Kg		85	70 - 130	11	20
1,4-Dioxane	ND		507	483.3		ug/Kg		95	70 - 130	1	20
Benzene	ND		50.7	37.90		ug/Kg		75	61 - 127	10	20
Carbon tetrachloride	ND		50.7	40.67		ug/Kg		80	51 - 135	11	29
Chlorobenzene	ND		50.7	37.73		ug/Kg		74	57 - 123	11	20
Di-isopropyl ether (DIPE)	ND		50.7	40.83		ug/Kg		81	57 - 129	9	20
Ethanol	ND		507	437.3		ug/Kg		86	17 - 167	8	47
Ethylbenzene	ND		50.7	38.61		ug/Kg		76	57 - 129	13	22
Ethyl-t-butyl ether (ETBE)	ND		50.7	40.26		ug/Kg		79	55 - 127	9	20
Methyl-t-Butyl Ether (MTBE)	ND		50.7	38.58		ug/Kg		76	57 - 123	5	21
o-Xylene	ND		50.7	39.43		ug/Kg		78	70 - 130	10	20
m,p-Xylene	ND		101	78.20		ug/Kg		77	70 - 130	11	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*71 - 155*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane	*105*		*79 - 133*
Toluene-d8 (Surr)	*98*		*80 - 120*

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1579-1

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

Lab Sample ID: MB 570-5157/1-A
Matrix: Solid
Analysis Batch: 5418

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5157

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
1,1,1-Trichloroethane	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
1,1,2,2-Tetrachloroethane	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5000		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
1,1,2-Trichloroethane	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
1,1-Dichloroethane	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
1,1-Dichloroethene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
1,1-Dichloropropene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
1,2,3-Trichlorobenzene	ND		1000		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
1,2,3-Trichloropropane	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
1,2,4-Trichlorobenzene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
1,2,4-Trimethylbenzene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
1,2-Dibromo-3-Chloropropane	ND		1000		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
1,2-Dibromoethane	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
1,2-Dichlorobenzene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
1,2-Dichloroethane	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
1,2-Dichloropropane	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
1,3,5-Trimethylbenzene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
1,3-Dichlorobenzene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
1,3-Dichloropropane	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
1,4-Dichlorobenzene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
2,2-Dichloropropane	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
2-Butanone	ND		5000		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
1,4-Dioxane	ND		25000		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
2-Chlorotoluene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
2-Hexanone	ND		5000		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
4-Chlorotoluene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
4-Methyl-2-pentanone	ND		5000		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Acetone	ND		12000		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Benzene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Bromobenzene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Bromochloromethane	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Bromodichloromethane	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Bromoform	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Bromomethane	ND		2500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
cis-1,2-Dichloroethene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
cis-1,3-Dichloropropene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Carbon disulfide	ND		5000		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Carbon tetrachloride	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Chlorobenzene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Chloroethane	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Chloroform	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Chloromethane	ND		2500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Dibromochloromethane	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Dibromomethane	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Dichlorodifluoromethane	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Di-isopropyl ether (DIPE)	ND		1000		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Ethanol	ND		25000		ug/Kg		07/15/19 10:53	07/16/19 14:14	50

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

Lab Sample ID: MB 570-5157/1-A
Matrix: Solid
Analysis Batch: 5418

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5157

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Ethyl-t-butyl ether (ETBE)	ND		1000		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Isopropylbenzene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Methylene Chloride	ND		5000		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Methyl-t-Butyl Ether (MTBE)	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Naphthalene	ND		5000		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
n-Butylbenzene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
N-Propylbenzene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
o-Xylene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
m,p-Xylene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
p-Isopropyltoluene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
sec-Butylbenzene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Styrene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
trans-1,2-Dichloroethene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
trans-1,3-Dichloropropene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Tert-amyl-methyl ether (TAME)	ND		1000		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
tert-Butyl alcohol (TBA)	ND		5000		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
tert-Butylbenzene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Tetrachloroethene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Toluene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Trichloroethene	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Trichlorofluoromethane	ND		5000		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Vinyl acetate	ND		5000		ug/Kg		07/15/19 10:53	07/16/19 14:14	50
Vinyl chloride	ND		500		ug/Kg		07/15/19 10:53	07/16/19 14:14	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*71 - 155*	*07/15/19 10:53*	*07/16/19 14:14*	*50*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*	*07/15/19 10:53*	*07/16/19 14:14*	*50*
Dibromofluoromethane	*96*		*79 - 133*	*07/15/19 10:53*	*07/16/19 14:14*	*50*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/15/19 10:53*	*07/16/19 14:14*	*50*

Lab Sample ID: MB 570-5306/1-A
Matrix: Solid
Analysis Batch: 5418

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5306

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
1,1-Dichloroethane	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
1,1-Dichloroethene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
1,1-Dichloropropene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
1,2,3-Trichlorobenzene	ND		10		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1

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

Lab Sample ID: MB 570-5306/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5418 **Prep Batch: 5306**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
1,2-Dibromoethane	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
1,2-Dichloroethane	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
1,2-Dichloropropane	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
1,3-Dichloropropane	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
2,2-Dichloropropane	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
2-Butanone	ND		50		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
1,4-Dioxane	ND		250		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
2-Chlorotoluene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
2-Hexanone	ND		50		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
4-Chlorotoluene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
4-Methyl-2-pentanone	ND		50		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Acetone	ND		120		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Benzene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Bromobenzene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Bromochloromethane	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Bromodichloromethane	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Bromoform	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Bromomethane	ND		25		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Carbon disulfide	ND		50		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Carbon tetrachloride	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Chlorobenzene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Chloroethane	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Chloroform	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Chloromethane	ND		25		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Dibromochloromethane	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Dibromomethane	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Dichlorodifluoromethane	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Di-isopropyl ether (DIPE)	ND		10		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Ethanol	ND		250		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Ethylbenzene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Ethyl-t-butyl ether (ETBE)	ND		10		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Isopropylbenzene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Methylene Chloride	ND		50		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Naphthalene	ND		50		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
n-Butylbenzene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
N-Propylbenzene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
o-Xylene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
m,p-Xylene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
p-Isopropyltoluene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
sec-Butylbenzene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Styrene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1

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

Lab Sample ID: MB 570-5306/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5418 **Prep Batch: 5306**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Tert-amyl-methyl ether (TAME)	ND		10		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
tert-Butyl alcohol (TBA)	ND		50		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
tert-Butylbenzene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Tetrachloroethene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Toluene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Trichloroethene	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Trichlorofluoromethane	ND		50		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Vinyl acetate	ND		50		ug/Kg		07/15/19 18:43	07/16/19 13:49	1
Vinyl chloride	ND		5.0		ug/Kg		07/15/19 18:43	07/16/19 13:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*71 - 155*	*07/15/19 18:43*	*07/16/19 13:49*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*	*07/15/19 18:43*	*07/16/19 13:49*	*1*
Dibromofluoromethane	*103*		*79 - 133*	*07/15/19 18:43*	*07/16/19 13:49*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*07/15/19 18:43*	*07/16/19 13:49*	*1*

Lab Sample ID: LCS 570-5418/9 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5418

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	43.92		ug/Kg		88	74 - 122
1,2-Dibromoethane	50.0	50.02		ug/Kg		100	70 - 130
1,2-Dichlorobenzene	50.0	45.91		ug/Kg		92	75 - 120
1,2-Dichloroethane	50.0	48.13		ug/Kg		96	70 - 130
1,4-Dioxane	500	473.4		ug/Kg		95	70 - 130
Benzene	50.0	44.46		ug/Kg		89	78 - 120
Carbon tetrachloride	50.0	46.18		ug/Kg		92	49 - 139
Chlorobenzene	50.0	46.32		ug/Kg		93	79 - 120
Di-isopropyl ether (DIPE)	50.0	46.32		ug/Kg		93	78 - 120
Ethanol	500	445.4		ug/Kg		89	56 - 140
Ethylbenzene	50.0	46.14		ug/Kg		92	76 - 120
Ethyl-t-butyl ether (ETBE)	50.0	45.54		ug/Kg		91	70 - 124
Methyl-t-Butyl Ether (MTBE)	50.0	41.51		ug/Kg		83	70 - 124
o-Xylene	50.0	46.82		ug/Kg		94	70 - 130
m,p-Xylene	100	93.48		ug/Kg		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*71 - 155*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane	*108*		*79 - 133*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: LCSD 570-5418/10
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 5418

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	50.0	45.88		ug/Kg		92	74 - 122	4	20
1,2-Dibromoethane	50.0	48.85		ug/Kg		98	70 - 130	2	20
1,2-Dichlorobenzene	50.0	46.05		ug/Kg		92	75 - 120	0	20
1,2-Dichloroethane	50.0	47.45		ug/Kg		95	70 - 130	1	20
1,4-Dioxane	500	450.7		ug/Kg		90	70 - 130	5	20
Benzene	50.0	43.62		ug/Kg		87	78 - 120	2	20
Carbon tetrachloride	50.0	46.69		ug/Kg		93	49 - 139	1	20
Chlorobenzene	50.0	45.43		ug/Kg		91	79 - 120	2	20
Di-isopropyl ether (DIPE)	50.0	47.19		ug/Kg		94	78 - 120	2	20
Ethanol	500	435.8		ug/Kg		87	56 - 140	2	20
Ethylbenzene	50.0	46.75		ug/Kg		94	76 - 120	1	20
Ethyl-t-butyl ether (ETBE)	50.0	44.99		ug/Kg		90	70 - 124	1	20
Methyl-t-Butyl Ether (MTBE)	50.0	41.60		ug/Kg		83	70 - 124	0	20
o-Xylene	50.0	46.97		ug/Kg		94	70 - 130	0	20
m,p-Xylene	100	94.95		ug/Kg		95	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*71 - 155*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane	*104*		*79 - 133*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: MB 570-5489/9
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 5489

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	ug/L			07/16/19 18:35	1
1,1,1-Trichloroethane	ND		1.0	ug/L			07/16/19 18:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L			07/16/19 18:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	ug/L			07/16/19 18:35	1
1,1,2-Trichloroethane	ND		1.0	ug/L			07/16/19 18:35	1
1,1-Dichloroethane	ND		1.0	ug/L			07/16/19 18:35	1
1,1-Dichloroethene	ND		1.0	ug/L			07/16/19 18:35	1
1,1-Dichloropropene	ND		1.0	ug/L			07/16/19 18:35	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			07/16/19 18:35	1
1,2,3-Trichloropropane	ND		5.0	ug/L			07/16/19 18:35	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			07/16/19 18:35	1
1,2,4-Trimethylbenzene	ND		1.0	ug/L			07/16/19 18:35	1
1,2-Dibromo-3-Chloropropane	ND		10	ug/L			07/16/19 18:35	1
1,2-Dibromoethane	ND		1.0	ug/L			07/16/19 18:35	1
1,2-Dichlorobenzene	ND		1.0	ug/L			07/16/19 18:35	1
1,2-Dichloroethane	ND		0.50	ug/L			07/16/19 18:35	1
1,2-Dichloropropane	ND		1.0	ug/L			07/16/19 18:35	1
1,3,5-Trimethylbenzene	ND		1.0	ug/L			07/16/19 18:35	1
1,3-Dichlorobenzene	ND		1.0	ug/L			07/16/19 18:35	1
1,3-Dichloropropane	ND		1.0	ug/L			07/16/19 18:35	1
1,4-Dichlorobenzene	ND		1.0	ug/L			07/16/19 18:35	1

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

Lab Sample ID: MB 570-5489/9
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 5489

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		1.0		ug/L			07/16/19 18:35	1
2-Butanone	ND		20		ug/L			07/16/19 18:35	1
1,4-Dioxane	ND		100		ug/L			07/16/19 18:35	1
2-Chlorotoluene	ND		1.0		ug/L			07/16/19 18:35	1
2-Hexanone	ND		10		ug/L			07/16/19 18:35	1
4-Chlorotoluene	ND		1.0		ug/L			07/16/19 18:35	1
4-Methyl-2-pentanone	ND		10		ug/L			07/16/19 18:35	1
Acetone	ND		20		ug/L			07/16/19 18:35	1
Benzene	ND		1.0		ug/L			07/16/19 18:35	1
Bromobenzene	ND		1.0		ug/L			07/16/19 18:35	1
Bromochloromethane	ND		2.0		ug/L			07/16/19 18:35	1
Bromodichloromethane	ND		1.0		ug/L			07/16/19 18:35	1
Bromoform	ND		5.0		ug/L			07/16/19 18:35	1
Bromomethane	ND		50		ug/L			07/16/19 18:35	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			07/16/19 18:35	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			07/16/19 18:35	1
Carbon disulfide	ND		10		ug/L			07/16/19 18:35	1
Carbon tetrachloride	ND		0.50		ug/L			07/16/19 18:35	1
Chlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
Chloroethane	ND		5.0		ug/L			07/16/19 18:35	1
Chloroform	ND		1.0		ug/L			07/16/19 18:35	1
Chloromethane	ND		10		ug/L			07/16/19 18:35	1
Dibromochloromethane	ND		2.0		ug/L			07/16/19 18:35	1
Dibromomethane	ND		1.0		ug/L			07/16/19 18:35	1
Dichlorodifluoromethane	ND		5.0		ug/L			07/16/19 18:35	1
Di-isopropyl ether (DIPE)	ND		2.0		ug/L			07/16/19 18:35	1
Ethanol	ND		100		ug/L			07/16/19 18:35	1
Ethylbenzene	ND		1.0		ug/L			07/16/19 18:35	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			07/16/19 18:35	1
Isopropylbenzene	ND		1.0		ug/L			07/16/19 18:35	1
Methylene Chloride	ND		10		ug/L			07/16/19 18:35	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			07/16/19 18:35	1
Naphthalene	ND		10		ug/L			07/16/19 18:35	1
n-Butylbenzene	ND		1.0		ug/L			07/16/19 18:35	1
N-Propylbenzene	ND		1.0		ug/L			07/16/19 18:35	1
o-Xylene	ND		1.0		ug/L			07/16/19 18:35	1
m,p-Xylene	ND		2.0		ug/L			07/16/19 18:35	1
p-Isopropyltoluene	ND		1.0		ug/L			07/16/19 18:35	1
sec-Butylbenzene	ND		1.0		ug/L			07/16/19 18:35	1
Styrene	ND		1.0		ug/L			07/16/19 18:35	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			07/16/19 18:35	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			07/16/19 18:35	1
Tert-amyl-methyl ether (TAME)	ND		2.0		ug/L			07/16/19 18:35	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			07/16/19 18:35	1
tert-Butylbenzene	ND		1.0		ug/L			07/16/19 18:35	1
Tetrachloroethene	ND		1.0		ug/L			07/16/19 18:35	1
Toluene	ND		1.0		ug/L			07/16/19 18:35	1
Trichloroethene	ND		1.0		ug/L			07/16/19 18:35	1
Trichlorofluoromethane	ND		10		ug/L			07/16/19 18:35	1

QC Sample Results

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1579-1

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

Lab Sample ID: MB 570-5489/9
Matrix: Water
Analysis Batch: 5489

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	ND		10	ug/L			07/16/19 18:35	1
Vinyl chloride	ND		0.50	ug/L			07/16/19 18:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 129*		*07/16/19 18:35*	*1*
4-Bromofluorobenzene (Surr)	*95*		*77 - 120*		*07/16/19 18:35*	*1*
Dibromofluoromethane	*100*		*80 - 128*		*07/16/19 18:35*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/16/19 18:35*	*1*

Lab Sample ID: LCS 570-5489/4
Matrix: Water
Analysis Batch: 5489

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	50.0	47.66		ug/L		95	64 - 136
1,2-Dibromoethane	50.0	51.24		ug/L		102	80 - 120
1,2-Dichlorobenzene	50.0	49.71		ug/L		99	80 - 120
1,2-Dichloroethane	50.0	50.63		ug/L		101	75 - 123
1,4-Dioxane	500	489.5		ug/L		98	64 - 130
Benzene	50.0	49.85		ug/L		100	78 - 120
Carbon tetrachloride	50.0	52.73		ug/L		105	67 - 139
Chlorobenzene	50.0	49.57		ug/L		99	80 - 120
Di-isopropyl ether (DIPE)	50.0	46.74		ug/L		93	72 - 132
Ethanol	500	462.6		ug/L		93	56 - 150
Ethylbenzene	50.0	51.58		ug/L		103	80 - 120
Ethyl-t-butyl ether (ETBE)	50.0	44.54		ug/L		89	74 - 122
Methyl-t-Butyl Ether (MTBE)	50.0	41.33		ug/L		83	77 - 120
o-Xylene	50.0	50.76		ug/L		102	80 - 125
m,p-Xylene	100	111.8		ug/L		112	80 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 129*
4-Bromofluorobenzene (Surr)	*103*		*77 - 120*
Dibromofluoromethane	*97*		*80 - 128*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 570-5489/5
Matrix: Water
Analysis Batch: 5489

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	50.0	48.71		ug/L		97	64 - 136	2	30
1,2-Dibromoethane	50.0	50.51		ug/L		101	80 - 120	1	30
1,2-Dichlorobenzene	50.0	49.55		ug/L		99	80 - 120	0	20
1,2-Dichloroethane	50.0	50.30		ug/L		101	75 - 123	1	24
1,4-Dioxane	500	527.5		ug/L		106	64 - 130	7	30
Benzene	50.0	49.94		ug/L		100	78 - 120	0	21
Carbon tetrachloride	50.0	53.89		ug/L		108	67 - 139	2	30

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

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

Lab Sample ID: LCSD 570-5489/5
Matrix: Water
Analysis Batch: 5489

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	50.0	49.28		ug/L		99	80 - 120	1	20
Di-isopropyl ether (DIPE)	50.0	47.07		ug/L		94	72 - 132	1	29
Ethanol	500	498.8		ug/L		100	56 - 150	8	30
Ethylbenzene	50.0	52.26		ug/L		105	80 - 120	1	20
Ethyl-t-butyl ether (ETBE)	50.0	44.76		ug/L		90	74 - 122	0	27
Methyl-t-Butyl Ether (MTBE)	50.0	41.84		ug/L		84	77 - 120	1	24
o-Xylene	50.0	51.49		ug/L		103	80 - 125	1	20
m,p-Xylene	100	112.4		ug/L		112	80 - 125	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 129*
4-Bromofluorobenzene (Surr)	*103*		*77 - 120*
Dibromofluoromethane	*100*		*80 - 128*
Toluene-d8 (Surr)	*98*		*80 - 120*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-4865/1-A
Matrix: Solid
Analysis Batch: 5376

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4865

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
1,2-Dichlorobenzene	ND		0.50	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
1,3-Dichlorobenzene	ND		0.50	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
1,4-Dichlorobenzene	ND		0.50	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
1-Methylnaphthalene	ND		0.50	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
2,4,5-Trichlorophenol	ND		0.50	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
2,4,6-Trichlorophenol	ND		0.50	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
2,4-Dichlorophenol	ND		0.50	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
2,4-Dimethylphenol	ND		0.50	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
2,4-Dinitrophenol	ND		2.0	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
2,4-Dinitrotoluene	ND		0.50	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
2,6-Dichlorophenol	ND		0.50	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
2,6-Dinitrotoluene	ND		0.50	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
2-Chloronaphthalene	ND		0.50	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
2-Chlorophenol	ND		0.50	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
2-Methylnaphthalene	ND		0.50	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
2-Methylphenol	ND		0.50	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
2-Nitroaniline	ND		0.50	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
2-Nitrophenol	ND		0.50	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
3,3'-Dichlorobenzidine	ND		2.5	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
3 & 4 Methylphenol	ND		0.50	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
3-Nitroaniline	ND		0.50	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
4,6-Dinitro-2-methylphenol	ND		2.5	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
4-Bromophenyl phenyl ether	ND		0.50	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
4-Chloro-3-methylphenol	ND		0.50	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
4-Chloroaniline	ND		0.50	mg/Kg		07/12/19 16:52	07/16/19 14:11	1
4-Chlorophenyl phenyl ether	ND		0.50	mg/Kg		07/12/19 16:52	07/16/19 14:11	1

Client: EFI Global, Inc. Job ID: 570-1579-1
Project/Site: WH TAFT HS

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-4865/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5376 **Prep Batch: 4865**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
4-Nitrophenol	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Acenaphthene	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Acenaphthylene	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Aniline	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Anthracene	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Azobenzene	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Benzidine	ND		5.0		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Benzoic acid	ND		2.5		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Benzyl alcohol	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Chrysene	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Dibenzofuran	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Diethyl phthalate	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Dimethyl phthalate	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Fluoranthene	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Fluorene	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Hexachlorobenzene	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Hexachloroethane	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Isophorone	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Naphthalene	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Nitrobenzene	ND		2.0		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Pentachlorophenol	ND		2.5		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Phenanthrene	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Phenol	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Pyrene	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
Pyridine	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/12/19 16:52	07/16/19 14:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*98*		*18 - 138*	*07/12/19 16:52*	*07/16/19 14:11*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-4865/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5376 **Prep Batch: 4865**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	101		27 - 120	07/12/19 16:52	07/16/19 14:11	1
2-Fluorophenol (Surr)	94		25 - 120	07/12/19 16:52	07/16/19 14:11	1
Nitrobenzene-d5 (Surr)	94		33 - 123	07/12/19 16:52	07/16/19 14:11	1
p-Terphenyl-d14 (Surr)	108		27 - 159	07/12/19 16:52	07/16/19 14:11	1
Phenol-d6 (Surr)	100		26 - 122	07/12/19 16:52	07/16/19 14:11	1

Lab Sample ID: LCS 570-4865/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5376 **Prep Batch: 4865**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	10.0	8.727		mg/Kg		87	45 - 129
1,4-Dichlorobenzene	10.0	8.165		mg/Kg		82	42 - 132
2,4-Dinitrotoluene	10.0	9.690		mg/Kg		97	51 - 129
2-Chlorophenol	10.0	9.602		mg/Kg		96	58 - 124
4-Chloro-3-methylphenol	10.0	9.155		mg/Kg		92	55 - 151
4-Nitrophenol	10.0	9.256		mg/Kg		93	24 - 126
Acenaphthene	10.0	8.941		mg/Kg		89	51 - 123
Acenaphthylene	10.0	10.21		mg/Kg		102	52 - 120
Butyl benzyl phthalate	10.0	9.181		mg/Kg		92	43 - 139
Dimethyl phthalate	10.0	9.392		mg/Kg		94	51 - 123
Fluorene	10.0	9.253		mg/Kg		93	54 - 126
Naphthalene	10.0	8.424		mg/Kg		84	32 - 146
N-Nitrosodi-n-propylamine	10.0	9.663		mg/Kg		97	40 - 136
Pentachlorophenol	10.0	7.060		mg/Kg		71	23 - 131
Phenol	10.0	10.28		mg/Kg		103	40 - 130
Pyrene	10.0	9.155		mg/Kg		92	47 - 143

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	91		18 - 138
2-Fluorobiphenyl (Surr)	96		27 - 120
2-Fluorophenol (Surr)	96		25 - 120
Nitrobenzene-d5 (Surr)	91		33 - 123
p-Terphenyl-d14 (Surr)	103		27 - 159
Phenol-d6 (Surr)	103		26 - 122

Lab Sample ID: 570-1581-A-25-C MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5376 **Prep Batch: 4865**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		9.97	7.759		mg/Kg		78	56 - 120
1,4-Dichlorobenzene	ND		9.97	7.291		mg/Kg		73	43 - 120
2,4-Dinitrotoluene	ND		9.97	8.970		mg/Kg		90	28 - 120
2-Chlorophenol	ND	F2	9.97	9.474		mg/Kg		95	53 - 120
4-Chloro-3-methylphenol	ND		9.97	8.363		mg/Kg		84	32 - 120
4-Nitrophenol	ND		9.97	8.874		mg/Kg		89	14 - 128
Acenaphthene	ND		9.97	8.290		mg/Kg		83	34 - 148

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1579-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-1581-A-25-C MS
Matrix: Solid
Analysis Batch: 5376

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 4865

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	ND		9.97	9.281		mg/Kg		93	53 - 120
Butyl benzyl phthalate	ND		9.97	8.800		mg/Kg		88	15 - 189
Dimethyl phthalate	ND		9.97	9.037		mg/Kg		86	44 - 122
Fluorene	ND		9.97	8.292		mg/Kg		83	12 - 186
Naphthalene	ND		9.97	7.531		mg/Kg		76	20 - 140
N-Nitrosodi-n-propylamine	ND	F2	9.97	9.206		mg/Kg		92	38 - 140
Pentachlorophenol	ND		9.97	7.695		mg/Kg		77	10 - 124
Phenol	ND	F2	9.97	10.26		mg/Kg		103	22 - 124
Pyrene	ND		9.97	8.592		mg/Kg		86	31 - 169

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*74*		*18 - 138*
2-Fluorobiphenyl (Surr)	*86*		*27 - 120*
2-Fluorophenol (Surr)	*95*		*25 - 120*
Nitrobenzene-d5 (Surr)	*81*		*33 - 123*
p-Terphenyl-d14 (Surr)	*94*		*27 - 159*
Phenol-d6 (Surr)	*99*		*26 - 122*

Lab Sample ID: 570-1581-A-25-D MSD
Matrix: Solid
Analysis Batch: 5376

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 4865

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		9.98	6.532		mg/Kg		65	56 - 120	17	20
1,4-Dichlorobenzene	ND		9.98	6.043		mg/Kg		61	43 - 120	19	26
2,4-Dinitrotoluene	ND		9.98	7.768		mg/Kg		78	28 - 120	14	20
2-Chlorophenol	ND	F2	9.98	7.518	F2	mg/Kg		75	53 - 120	23	20
4-Chloro-3-methylphenol	ND		9.98	7.170		mg/Kg		72	32 - 120	15	20
4-Nitrophenol	ND		9.98	7.780		mg/Kg		78	14 - 128	13	59
Acenaphthene	ND		9.98	7.010		mg/Kg		70	34 - 148	17	20
Acenaphthylene	ND		9.98	7.791		mg/Kg		78	53 - 120	17	20
Butyl benzyl phthalate	ND		9.98	7.433		mg/Kg		75	15 - 189	17	20
Dimethyl phthalate	ND		9.98	8.144		mg/Kg		77	44 - 122	10	20
Fluorene	ND		9.98	7.135		mg/Kg		72	12 - 186	15	20
Naphthalene	ND		9.98	6.509		mg/Kg		65	20 - 140	15	20
N-Nitrosodi-n-propylamine	ND	F2	9.98	7.410	F2	mg/Kg		74	38 - 140	22	20
Pentachlorophenol	ND		9.98	6.407		mg/Kg		64	10 - 124	18	20
Phenol	ND	F2	9.98	8.129	F2	mg/Kg		81	22 - 124	23	20
Pyrene	ND		9.98	7.220		mg/Kg		72	31 - 169	17	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*63*		*18 - 138*
2-Fluorobiphenyl (Surr)	*75*		*27 - 120*
2-Fluorophenol (Surr)	*75*		*25 - 120*
Nitrobenzene-d5 (Surr)	*67*		*33 - 123*
p-Terphenyl-d14 (Surr)	*81*		*27 - 159*
Phenol-d6 (Surr)	*79*		*26 - 122*

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1579-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-4949/1-A
Matrix: Water
Analysis Batch: 5257

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4949

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
1,2-Dichlorobenzene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
1,3-Dichlorobenzene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
1,4-Dichlorobenzene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
1-Methylnaphthalene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4,5-Trichlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4,6-Trichlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4-Dichlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4-Dimethylphenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4-Dinitrophenol	ND		50		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4-Dinitrotoluene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,6-Dichlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,6-Dinitrotoluene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Chloronaphthalene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Chlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Methylnaphthalene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Methylphenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Nitroaniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Nitrophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
3,3'-Dichlorobenzidine	ND		25		ug/L		07/13/19 09:41	07/15/19 19:00	1
3 & 4 Methylphenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
3-Nitroaniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4,6-Dinitro-2-methylphenol	ND		50		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Bromophenyl phenyl ether	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Chloro-3-methylphenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Chloroaniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Chlorophenyl phenyl ether	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Nitroaniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Nitrophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Acenaphthene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Acenaphthylene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Aniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Anthracene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Azobenzene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzidine	ND		50		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[a]anthracene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[a]pyrene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[b]fluoranthene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[g,h,i]perylene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[k]fluoranthene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzoic acid	ND		50		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzyl alcohol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Bis(2-chloroethoxy)methane	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Bis(2-chloroethyl)ether	ND		25		ug/L		07/13/19 09:41	07/15/19 19:00	1
Bis(2-ethylhexyl) phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Butyl benzyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Chrysene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Dibenz(a,h)anthracene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-4949/1-A
Matrix: Water
Analysis Batch: 5257

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4949

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Diethyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Dimethyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Di-n-butyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Di-n-octyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Fluoranthene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Fluorene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Hexachloro-1,3-butadiene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Hexachlorobenzene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Hexachlorocyclopentadiene	ND		25		ug/L		07/13/19 09:41	07/15/19 19:00	1
Hexachloroethane	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Isophorone	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Naphthalene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Nitrobenzene	ND		25		ug/L		07/13/19 09:41	07/15/19 19:00	1
N-Nitrosodimethylamine	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
N-Nitrosodi-n-propylamine	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
N-Nitrosodiphenylamine	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Pentachlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Phenanthrene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Phenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Pyrene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Pyridine	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
bis (2-Chloroisopropyl) ether	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*32 - 143*	*07/13/19 09:41*	*07/15/19 19:00*	*1*
2-Fluorobiphenyl (Surr)	*86*		*45 - 120*	*07/13/19 09:41*	*07/15/19 19:00*	*1*
2-Fluorophenol (Surr)	*58*		*15 - 138*	*07/13/19 09:41*	*07/15/19 19:00*	*1*
Nitrobenzene-d5 (Surr)	*82*		*56 - 123*	*07/13/19 09:41*	*07/15/19 19:00*	*1*
p-Terphenyl-d14 (Surr)	*113*		*46 - 133*	*07/13/19 09:41*	*07/15/19 19:00*	*1*
Phenol-d6 (Surr)	*36*		*17 - 141*	*07/13/19 09:41*	*07/15/19 19:00*	*1*

Lab Sample ID: LCS 570-4949/2-A
Matrix: Water
Analysis Batch: 5257

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4949

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	200	166.3		ug/L		83	49 - 120
1,4-Dichlorobenzene	200	163.0		ug/L		81	30 - 100
2,4-Dinitrotoluene	200	182.7		ug/L		91	50 - 120
2-Chlorophenol	200	175.7		ug/L		88	35 - 105
4-Chloro-3-methylphenol	200	169.4		ug/L		85	45 - 110
4-Nitrophenol	200	87.05		ug/L		44	20 - 150
Acenaphthene	200	174.8		ug/L		87	45 - 110
Acenaphthylene	200	196.7		ug/L		98	50 - 105
Butyl benzyl phthalate	200	173.4		ug/L		87	45 - 115
Dimethyl phthalate	200	180.2		ug/L		90	25 - 125

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-4949/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5257 **Prep Batch: 4949**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluorene	200	176.8		ug/L		88	50 - 110
Naphthalene	200	161.5		ug/L		81	40 - 100
N-Nitrosodi-n-propylamine	200	176.7		ug/L		88	35 - 130
Pentachlorophenol	200	143.9		ug/L		72	40 - 115
Phenol	200	88.46		ug/L		44	10 - 115
Pyrene	200	176.5		ug/L		88	50 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*86*		*32 - 143*
2-Fluorobiphenyl (Surr)	*90*		*45 - 120*
2-Fluorophenol (Surr)	*65*		*15 - 138*
Nitrobenzene-d5 (Surr)	*88*		*56 - 123*
p-Terphenyl-d14 (Surr)	*95*		*46 - 133*
Phenol-d6 (Surr)	*43*		*17 - 141*

Lab Sample ID: LCSD 570-4949/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5257 **Prep Batch: 4949**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	200	137.1		ug/L		69	49 - 120	19	20
1,4-Dichlorobenzene	200	137.8		ug/L		69	30 - 100	17	26
2,4-Dinitrotoluene	200	150.0		ug/L		75	50 - 120	20	36
2-Chlorophenol	200	148.2		ug/L		74	35 - 105	17	18
4-Chloro-3-methylphenol	200	137.3		ug/L		69	45 - 110	21	40
4-Nitrophenol	200	66.57		ug/L		33	20 - 150	27	40
Acenaphthene	200	143.8		ug/L		72	45 - 110	19	20
Acenaphthylene	200	161.0		ug/L		81	50 - 105	20	20
Butyl benzyl phthalate	200	145.8		ug/L		73	45 - 115	17	20
Dimethyl phthalate	200	149.0		ug/L		74	25 - 125	19	20
Fluorene	200	144.4		ug/L		72	50 - 110	20	20
Naphthalene	200	135.4		ug/L		68	40 - 100	18	20
N-Nitrosodi-n-propylamine	200	144.8		ug/L		72	35 - 130	20	20
Pentachlorophenol	200	118.3		ug/L		59	40 - 115	20	40
Phenol	200	72.61		ug/L		36	10 - 115	20	23
Pyrene	200	152.4		ug/L		76	50 - 130	15	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*66*		*32 - 143*
2-Fluorobiphenyl (Surr)	*73*		*45 - 120*
2-Fluorophenol (Surr)	*51*		*15 - 138*
Nitrobenzene-d5 (Surr)	*69*		*56 - 123*
p-Terphenyl-d14 (Surr)	*77*		*46 - 133*
Phenol-d6 (Surr)	*33*		*17 - 141*

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1579-1

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 570-5013/3-A
Matrix: Solid
Analysis Batch: 5151

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5013

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/13/19 13:11	07/15/19 13:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*42 - 126*	*07/13/19 13:11*	*07/15/19 13:10*	*1*

Lab Sample ID: LCS 570-5013/1-A
Matrix: Solid
Analysis Batch: 5151

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5013

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	1.99	2.051		mg/Kg		103	70 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*42 - 126*

Lab Sample ID: LCSD 570-5013/2-A
Matrix: Solid
Analysis Batch: 5151

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5013

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	2.03	2.232		mg/Kg		110	70 - 124	8	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*42 - 126*

Lab Sample ID: 570-1583-B-1-B MS
Matrix: Solid
Analysis Batch: 5151

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 5013

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	ND	F1 F2	2.04	1.498		mg/Kg		74	48 - 114

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*42 - 126*

Lab Sample ID: MB 570-5143/6
Matrix: Water
Analysis Batch: 5143

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		50		ug/L			07/15/19 13:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*38 - 134*		*07/15/19 13:07*	*1*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCS 570-5143/3
Matrix: Water
Analysis Batch: 5143
Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (C4-C13)			2000	1945		ug/L		97	78 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*88*		*38 - 134*

Lab Sample ID: LCSD 570-5143/4
Matrix: Water
Analysis Batch: 5143
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
Gasoline Range Organics (C4-C13)			2000	1912		ug/L		96	78 - 120	2	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*87*		*38 - 134*

Lab Sample ID: 570-1452-A-7 MS
Matrix: Water
Analysis Batch: 5143
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		
Gasoline Range Organics (C4-C13)	9100		20000	24960		ug/L		80	68 - 122		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*87*		*38 - 134*

Lab Sample ID: 570-1452-A-7 MSD
Matrix: Water
Analysis Batch: 5143
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
Gasoline Range Organics (C4-C13)	9100		20000	25660		ug/L		83	68 - 122	3	18

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*87*		*38 - 134*

Lab Sample ID: 570-1583-G-1-A MSD
Matrix: Solid
Analysis Batch: 5151
Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 5167

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	ND	F1 F2	1.97	1.320		mg/Kg		67	48 - 114	13	23

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: 570-1583-G-1-A MSD
Matrix: Solid
Analysis Batch: 5151

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 5167

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*42 - 126*

Lab Sample ID: MB 570-5180/1-A
Matrix: Solid
Analysis Batch: 5151

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5180

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		4.0		mg/Kg		07/15/19 12:24	07/15/19 13:43	20

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*42 - 126*	*07/15/19 12:24*	*07/15/19 13:43*	*20*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-5081/1-A
Matrix: Water
Analysis Batch: 5651

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5081

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C13-C14	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C15-C16	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C17-C18	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C19-C20	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C21-C22	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C23-C24	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C25-C28	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C29-C32	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C33-C36	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C37-C40	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C41-C44	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C9-C10	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C6 as C6	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C7 as C7	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C8 as C8	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*109*		*68 - 140*	*07/14/19 11:42*	*07/17/19 11:53*	*1*

Lab Sample ID: LCS 570-5081/2-A
Matrix: Water
Analysis Batch: 5651

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5081

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	2000	2143		ug/L		107	69 - 123

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 570-5081/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5651 **Prep Batch: 5081**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	*109*		*68 - 140*

Lab Sample ID: LCSD 570-5081/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5651 **Prep Batch: 5081**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	2000	2250		ug/L		113	69 - 123	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane (Surr)	*116*		*68 - 140*

Lab Sample ID: MB 570-5396/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5586 **Prep Batch: 5396**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C13-C14	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C15-C16	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C17-C18	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C19-C20	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C21-C22	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C23-C24	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C25-C28	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C29-C32	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C33-C36	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C37-C40	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C41-C44	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C9-C10	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C6 as C6	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C7 as C7	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C8 as C8	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	*81*		*61 - 145*	*07/16/19 11:34*	*07/16/19 20:14*	*1*

Lab Sample ID: LCS 570-5396/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5586 **Prep Batch: 5396**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	396	393.1		mg/Kg		99	67 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	*97*		*61 - 145*

QC Sample Results

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1579-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: 570-1478-A-1-C MS
Matrix: Solid
Analysis Batch: 5586

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 5396

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	8.4		400	392.8		mg/Kg		96	33 - 153		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*94*		*61 - 145*

Lab Sample ID: 570-1478-A-1-D MSD
Matrix: Solid
Analysis Batch: 5586

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 5396

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	8.4		396	429.2		mg/Kg		106	33 - 153	9	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*95*		*61 - 145*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 570-4936/1-A
Matrix: Water
Analysis Batch: 5371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4936

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050		ug/L		07/13/19 07:33	07/16/19 13:11	1
4,4'-DDE	ND		0.020		ug/L		07/13/19 07:33	07/16/19 13:11	1
4,4'-DDT	ND		0.050		ug/L		07/13/19 07:33	07/16/19 13:11	1
Aldrin	ND		0.050		ug/L		07/13/19 07:33	07/16/19 13:11	1
alpha-BHC	ND		0.020		ug/L		07/13/19 07:33	07/16/19 13:11	1
beta-BHC	ND		0.020		ug/L		07/13/19 07:33	07/16/19 13:11	1
Chlordane	ND		0.10		ug/L		07/13/19 07:33	07/16/19 13:11	1
delta-BHC	ND		0.020		ug/L		07/13/19 07:33	07/16/19 13:11	1
Dieldrin	ND		0.050		ug/L		07/13/19 07:33	07/16/19 13:11	1
Endosulfan I	ND		0.050		ug/L		07/13/19 07:33	07/16/19 13:11	1
Endosulfan II	ND		0.050		ug/L		07/13/19 07:33	07/16/19 13:11	1
Endosulfan sulfate	ND		0.050		ug/L		07/13/19 07:33	07/16/19 13:11	1
Endrin	ND		0.020		ug/L		07/13/19 07:33	07/16/19 13:11	1
Endrin aldehyde	ND		0.10		ug/L		07/13/19 07:33	07/16/19 13:11	1
Endrin ketone	ND		0.050		ug/L		07/13/19 07:33	07/16/19 13:11	1
gamma-BHC	ND		0.020		ug/L		07/13/19 07:33	07/16/19 13:11	1
Heptachlor	ND		0.020		ug/L		07/13/19 07:33	07/16/19 13:11	1
Heptachlor epoxide	ND		0.020		ug/L		07/13/19 07:33	07/16/19 13:11	1
Methoxychlor	ND		0.050		ug/L		07/13/19 07:33	07/16/19 13:11	1
Toxaphene	ND		0.30		ug/L		07/13/19 07:33	07/16/19 13:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*88*		*50 - 135*	*07/13/19 07:33*	*07/16/19 13:11*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*50 - 135*	*07/13/19 07:33*	*07/16/19 13:11*	*1*

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 570-4936/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5371 **Prep Batch: 4936**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.250	0.2337		ug/L		93	50 - 135
4,4'-DDE	0.250	0.2398		ug/L		96	50 - 135
4,4'-DDT	0.250	0.2264		ug/L		91	50 - 135
Aldrin	0.250	0.2175		ug/L		87	50 - 135
alpha-BHC	0.250	0.2255		ug/L		90	50 - 135
beta-BHC	0.250	0.2225		ug/L		89	50 - 135
delta-BHC	0.250	0.2323		ug/L		93	50 - 135
Dieldrin	0.250	0.2239		ug/L		90	50 - 135
Endosulfan I	0.250	0.2230		ug/L		89	50 - 135
Endosulfan II	0.250	0.2197		ug/L		88	50 - 135
Endosulfan sulfate	0.250	0.2195		ug/L		88	50 - 135
Endrin	0.250	0.2291		ug/L		92	50 - 135
Endrin aldehyde	0.250	0.2048		ug/L		82	50 - 135
gamma-BHC	0.250	0.2266		ug/L		91	50 - 135
Heptachlor	0.250	0.2155		ug/L		86	50 - 135
Heptachlor epoxide	0.250	0.2246		ug/L		90	50 - 135
Methoxychlor	0.250	0.2134		ug/L		85	50 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*85*		*50 - 135*
DCB Decachlorobiphenyl (Surr)	*77*		*50 - 135*

Lab Sample ID: LCSD 570-4936/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5371 **Prep Batch: 4936**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.250	0.2342		ug/L		94	50 - 135	0	25
4,4'-DDE	0.250	0.2443		ug/L		98	50 - 135	2	25
4,4'-DDT	0.250	0.2292		ug/L		92	50 - 135	1	25
Aldrin	0.250	0.2270		ug/L		91	50 - 135	4	25
alpha-BHC	0.250	0.2462		ug/L		98	50 - 135	9	25
beta-BHC	0.250	0.2318		ug/L		93	50 - 135	4	25
delta-BHC	0.250	0.2419		ug/L		97	50 - 135	4	25
Dieldrin	0.250	0.2297		ug/L		92	50 - 135	3	25
Endosulfan I	0.250	0.2299		ug/L		92	50 - 135	3	25
Endosulfan II	0.250	0.2243		ug/L		90	50 - 135	2	25
Endosulfan sulfate	0.250	0.2220		ug/L		89	50 - 135	1	25
Endrin	0.250	0.2365		ug/L		95	50 - 135	3	25
Endrin aldehyde	0.250	0.2096		ug/L		84	50 - 135	2	25
gamma-BHC	0.250	0.2383		ug/L		95	50 - 135	5	25
Heptachlor	0.250	0.2245		ug/L		90	50 - 135	4	25
Heptachlor epoxide	0.250	0.2319		ug/L		93	50 - 135	3	25
Methoxychlor	0.250	0.2119		ug/L		85	50 - 135	1	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*90*		*50 - 135*
DCB Decachlorobiphenyl (Surr)	*77*		*50 - 135*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 570-5342/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5841 **Prep Batch: 5342**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0		ug/Kg		07/16/19 09:06	07/18/19 05:27	1
4,4'-DDE	ND		5.0		ug/Kg		07/16/19 09:06	07/18/19 05:27	1
4,4'-DDT	ND		5.0		ug/Kg		07/16/19 09:06	07/18/19 05:27	1
Aldrin	ND		5.0		ug/Kg		07/16/19 09:06	07/18/19 05:27	1
alpha-BHC	ND		5.0		ug/Kg		07/16/19 09:06	07/18/19 05:27	1
beta-BHC	ND		5.0		ug/Kg		07/16/19 09:06	07/18/19 05:27	1
Chlordane	ND		25		ug/Kg		07/16/19 09:06	07/18/19 05:27	1
delta-BHC	ND		5.0		ug/Kg		07/16/19 09:06	07/18/19 05:27	1
Dieldrin	ND		1.0		ug/Kg		07/16/19 09:06	07/18/19 05:27	1
Endosulfan I	ND		5.0		ug/Kg		07/16/19 09:06	07/18/19 05:27	1
Endosulfan II	ND		5.0		ug/Kg		07/16/19 09:06	07/18/19 05:27	1
Endosulfan sulfate	ND		5.0		ug/Kg		07/16/19 09:06	07/18/19 05:27	1
Endrin	ND		5.0		ug/Kg		07/16/19 09:06	07/18/19 05:27	1
Endrin aldehyde	ND		5.0		ug/Kg		07/16/19 09:06	07/18/19 05:27	1
Endrin ketone	ND		5.0		ug/Kg		07/16/19 09:06	07/18/19 05:27	1
gamma-BHC	ND		5.0		ug/Kg		07/16/19 09:06	07/18/19 05:27	1
Heptachlor	ND		5.0		ug/Kg		07/16/19 09:06	07/18/19 05:27	1
Heptachlor epoxide	ND		5.0		ug/Kg		07/16/19 09:06	07/18/19 05:27	1
Methoxychlor	ND		5.0		ug/Kg		07/16/19 09:06	07/18/19 05:27	1
Toxaphene	ND		25		ug/Kg		07/16/19 09:06	07/18/19 05:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*25 - 145*	*07/16/19 09:06*	*07/18/19 05:27*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*24 - 168*	*07/16/19 09:06*	*07/18/19 05:27*	*1*

Lab Sample ID: LCS 570-5342/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5841 **Prep Batch: 5342**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	25.0	20.93		ug/Kg		84	50 - 135
4,4'-DDE	25.0	21.39		ug/Kg		86	50 - 135
4,4'-DDT	25.0	21.61		ug/Kg		86	50 - 135
Aldrin	25.0	20.76		ug/Kg		83	50 - 135
alpha-BHC	25.0	23.09		ug/Kg		92	50 - 135
beta-BHC	25.0	22.13		ug/Kg		89	50 - 135
delta-BHC	25.0	24.04		ug/Kg		96	50 - 135
Dieldrin	25.0	23.02		ug/Kg		92	50 - 135
Endosulfan I	25.0	23.12		ug/Kg		92	50 - 135
Endosulfan II	25.0	22.66		ug/Kg		91	50 - 135
Endosulfan sulfate	25.0	22.32		ug/Kg		89	50 - 135
Endrin	25.0	22.47		ug/Kg		90	50 - 135
Endrin aldehyde	25.0	21.53		ug/Kg		86	50 - 135
gamma-BHC	25.0	22.96		ug/Kg		92	50 - 135
Heptachlor	25.0	21.54		ug/Kg		86	50 - 135
Heptachlor epoxide	25.0	22.16		ug/Kg		89	50 - 135
Methoxychlor	25.0	20.61		ug/Kg		82	50 - 135

Client: EFI Global, Inc. Job ID: 570-1579-1
Project/Site: WH TAFT HS

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 570-5342/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5841 **Prep Batch: 5342**

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*88*		*25 - 145*
DCB Decachlorobiphenyl (Surr)	*84*		*24 - 168*

Lab Sample ID: 570-1579-1 MS **Client Sample ID: SD1**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5841 **Prep Batch: 5342**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		24.7	22.61		ug/Kg		92	50 - 135
4,4'-DDE	ND		24.7	23.29		ug/Kg		94	50 - 135
4,4'-DDT	ND		24.7	21.29		ug/Kg		86	50 - 135
Aldrin	ND		24.7	18.74		ug/Kg		76	50 - 135
alpha-BHC	ND		24.7	18.59		ug/Kg		75	50 - 135
beta-BHC	ND		24.7	19.93		ug/Kg		81	50 - 135
delta-BHC	ND		24.7	21.44		ug/Kg		87	50 - 135
Dieldrin	ND		24.7	20.42		ug/Kg		83	50 - 135
Endosulfan I	ND		24.7	19.01		ug/Kg		77	50 - 135
Endosulfan II	ND		24.7	20.06		ug/Kg		81	50 - 135
Endosulfan sulfate	ND		24.7	19.54		ug/Kg		79	50 - 135
Endrin	ND		24.7	21.35		ug/Kg		87	50 - 135
Endrin aldehyde	ND		24.7	16.26		ug/Kg		66	50 - 135
gamma-BHC	ND		24.7	19.12		ug/Kg		77	50 - 135
Heptachlor	ND		24.7	17.82		ug/Kg		72	50 - 135
Heptachlor epoxide	ND		24.7	19.29		ug/Kg		78	50 - 135
Methoxychlor	ND		24.7	17.96		ug/Kg		73	50 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*72*		*25 - 145*
DCB Decachlorobiphenyl (Surr)	*78*		*24 - 168*

Lab Sample ID: 570-1579-1 MSD **Client Sample ID: SD1**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5841 **Prep Batch: 5342**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		25.0	23.71		ug/Kg		95	50 - 135	5	25
4,4'-DDE	ND		25.0	23.26		ug/Kg		93	50 - 135	0	25
4,4'-DDT	ND		25.0	19.02		ug/Kg		76	50 - 135	11	25
Aldrin	ND		25.0	18.92		ug/Kg		76	50 - 135	1	25
alpha-BHC	ND		25.0	19.06		ug/Kg		76	50 - 135	2	25
beta-BHC	ND		25.0	20.01		ug/Kg		80	50 - 135	0	25
delta-BHC	ND		25.0	21.53		ug/Kg		86	50 - 135	0	25
Dieldrin	ND		25.0	20.51		ug/Kg		82	50 - 135	0	25
Endosulfan I	ND		25.0	19.07		ug/Kg		76	50 - 135	0	25
Endosulfan II	ND		25.0	20.34		ug/Kg		81	50 - 135	1	25
Endosulfan sulfate	ND		25.0	19.90		ug/Kg		80	50 - 135	2	25
Endrin	ND		25.0	21.51		ug/Kg		86	50 - 135	1	25
Endrin aldehyde	ND		25.0	16.24		ug/Kg		65	50 - 135	0	25

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 570-1579-1 MSD
Matrix: Solid
Analysis Batch: 5841
Client Sample ID: SD1
Prep Type: Total/NA
Prep Batch: 5342

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
gamma-BHC	ND		25.0	19.50		ug/Kg		78	50 - 135	2	25
Heptachlor	ND		25.0	17.94		ug/Kg		72	50 - 135	1	25
Heptachlor epoxide	ND		25.0	19.34		ug/Kg		77	50 - 135	0	25
Methoxychlor	ND		25.0	17.71		ug/Kg		71	50 - 135	1	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*73*		*25 - 145*
DCB Decachlorobiphenyl (Surr)	*83*		*24 - 168*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 570-4936/1-A
Matrix: Water
Analysis Batch: 5088
Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4936

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	ug/L		07/13/19 07:33	07/14/19 15:44	1
PCB-1221	ND		0.50	ug/L		07/13/19 07:33	07/14/19 15:44	1
PCB-1232	ND		0.50	ug/L		07/13/19 07:33	07/14/19 15:44	1
PCB-1242	ND		0.50	ug/L		07/13/19 07:33	07/14/19 15:44	1
PCB-1248	ND		0.50	ug/L		07/13/19 07:33	07/14/19 15:44	1
PCB-1254	ND		0.50	ug/L		07/13/19 07:33	07/14/19 15:44	1
PCB-1260	ND		0.50	ug/L		07/13/19 07:33	07/14/19 15:44	1
PCB-1262	ND		0.50	ug/L		07/13/19 07:33	07/14/19 15:44	1
PCB-1268	ND		0.50	ug/L		07/13/19 07:33	07/14/19 15:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*50 - 135*	*07/13/19 07:33*	*07/14/19 15:44*	*1*
Tetrachloro-m-xylene	*90*		*50 - 135*	*07/13/19 07:33*	*07/14/19 15:44*	*1*

Lab Sample ID: LCS 570-4936/4-A
Matrix: Water
Analysis Batch: 5088
Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4936

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.00	1.006		ug/L		101	50 - 135
PCB-1260	1.00	0.7828		ug/L		78	50 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*77*		*50 - 135*
Tetrachloro-m-xylene	*90*		*50 - 135*

Lab Sample ID: LCSD 570-4936/5-A
Matrix: Water
Analysis Batch: 5088
Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4936

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	1.00	1.065		ug/L		106	50 - 135	6	25

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 570-4936/5-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5088 **Prep Batch: 4936**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1260			1.00	0.8492		ug/L		85	50 - 135	8	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*81*		*50 - 135*
Tetrachloro-m-xylene	*94*		*50 - 135*

Lab Sample ID: MB 570-5342/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5640 **Prep Batch: 5342**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50		ug/Kg		07/16/19 09:06	07/17/19 10:07	1
PCB-1221	ND		50		ug/Kg		07/16/19 09:06	07/17/19 10:07	1
PCB-1232	ND		50		ug/Kg		07/16/19 09:06	07/17/19 10:07	1
PCB-1242	ND		50		ug/Kg		07/16/19 09:06	07/17/19 10:07	1
PCB-1248	ND		50		ug/Kg		07/16/19 09:06	07/17/19 10:07	1
PCB-1254	ND		50		ug/Kg		07/16/19 09:06	07/17/19 10:07	1
PCB-1260	ND		50		ug/Kg		07/16/19 09:06	07/17/19 10:07	1
PCB-1262	ND		50		ug/Kg		07/16/19 09:06	07/17/19 10:07	1
PCB-1268	ND		50		ug/Kg		07/16/19 09:06	07/17/19 10:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*24 - 168*	*07/16/19 09:06*	*07/17/19 10:07*	*1*
Tetrachloro-m-xylene	*86*		*25 - 145*	*07/16/19 09:06*	*07/17/19 10:07*	*1*

Lab Sample ID: LCS 570-5342/5-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5640 **Prep Batch: 5342**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016			100	104.8		ug/Kg		105	50 - 135
PCB-1260			100	83.72		ug/Kg		84	50 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*83*		*24 - 168*
Tetrachloro-m-xylene	*90*		*25 - 145*

Lab Sample ID: 570-1838-A-1-A MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5640 **Prep Batch: 5342**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1260	ND	F1 F2	99.4	ND	F1	ug/Kg		44	50 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*40*		*24 - 168*
Tetrachloro-m-xylene	*41*		*25 - 145*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 570-1838-A-1-B MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5640 **Prep Batch: 5342**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1260	ND	F1 F2	99.5	99.48	F2	ug/Kg		100	50 - 135	78	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*69*		*24 - 168*
Tetrachloro-m-xylene	*68*		*25 - 145*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-5525/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 6610 **Prep Batch: 5525**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.244	mg/Kg		07/16/19 16:00	07/19/19 18:22	1
Arsenic	ND		0.732	mg/Kg		07/16/19 16:00	07/19/19 18:22	1
Barium	ND		0.488	mg/Kg		07/16/19 16:00	07/19/19 18:22	1
Beryllium	ND		0.244	mg/Kg		07/16/19 16:00	07/19/19 18:22	1
Cadmium	ND		0.488	mg/Kg		07/16/19 16:00	07/19/19 18:22	1
Cobalt	ND		0.244	mg/Kg		07/16/19 16:00	07/19/19 18:22	1
Chromium	ND		0.244	mg/Kg		07/16/19 16:00	07/19/19 18:22	1
Copper	ND		0.488	mg/Kg		07/16/19 16:00	07/19/19 18:22	1
Molybdenum	ND		0.244	mg/Kg		07/16/19 16:00	07/19/19 18:22	1
Nickel	ND		0.244	mg/Kg		07/16/19 16:00	07/19/19 18:22	1
Antimony	ND		0.732	mg/Kg		07/16/19 16:00	07/19/19 18:22	1
Selenium	ND		0.732	mg/Kg		07/16/19 16:00	07/19/19 18:22	1
Thallium	ND		0.732	mg/Kg		07/16/19 16:00	07/19/19 18:22	1
Vanadium	ND		0.244	mg/Kg		07/16/19 16:00	07/19/19 18:22	1
Zinc	ND		0.976	mg/Kg		07/16/19 16:00	07/19/19 18:22	1
Lead	ND		0.488	mg/Kg		07/16/19 16:00	07/19/19 18:22	1

Lab Sample ID: LCS 570-5525/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 6610 **Prep Batch: 5525**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	12.8	12.11		mg/Kg		94	80 - 120
Arsenic	25.6	26.69		mg/Kg		104	80 - 120
Barium	25.6	26.00		mg/Kg		101	80 - 120
Beryllium	25.6	24.68		mg/Kg		96	80 - 120
Cadmium	25.6	28.07		mg/Kg		109	80 - 120
Cobalt	25.6	25.92		mg/Kg		101	80 - 120
Chromium	25.6	25.30		mg/Kg		99	80 - 120
Copper	25.6	24.35		mg/Kg		95	80 - 120
Molybdenum	25.6	24.65		mg/Kg		96	80 - 120
Nickel	25.6	25.90		mg/Kg		101	80 - 120
Antimony	25.6	26.15		mg/Kg		102	80 - 120
Selenium	25.6	25.08		mg/Kg		98	80 - 120
Thallium	25.6	25.23		mg/Kg		98	80 - 120
Vanadium	25.6	24.25		mg/Kg		95	80 - 120

QC Sample Results

Client: EFI Global, Inc. | Job ID: 570-1579-1
Project/Site: WH TAFT HS

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 570-5525/2-A | **Client Sample ID: Lab Control Sample**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 6610 | **Prep Batch: 5525**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	25.6	25.13		mg/Kg		98	80 - 120
Lead	25.6	28.03		mg/Kg		109	80 - 120

Lab Sample ID: LCSD 570-5525/3-A | **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 6610 | **Prep Batch: 5525**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	12.1	11.17		mg/Kg		93	80 - 120	8	20
Arsenic	24.2	24.19		mg/Kg		100	80 - 120	10	20
Barium	24.2	23.62		mg/Kg		98	80 - 120	10	20
Beryllium	24.2	23.01		mg/Kg		95	80 - 120	7	20
Cadmium	24.2	25.51		mg/Kg		106	80 - 120	10	20
Cobalt	24.2	23.82		mg/Kg		99	80 - 120	8	20
Chromium	24.2	23.00		mg/Kg		95	80 - 120	10	20
Copper	24.2	22.62		mg/Kg		94	80 - 120	7	20
Molybdenum	24.2	23.07		mg/Kg		95	80 - 120	7	20
Nickel	24.2	23.72		mg/Kg		98	80 - 120	9	20
Antimony	24.2	24.09		mg/Kg		100	80 - 120	8	20
Selenium	24.2	22.49		mg/Kg		93	80 - 120	11	20
Thallium	24.2	22.94		mg/Kg		95	80 - 120	10	20
Vanadium	24.2	22.10		mg/Kg		92	80 - 120	9	20
Zinc	24.2	22.97		mg/Kg		95	80 - 120	9	20
Lead	24.2	25.90		mg/Kg		107	80 - 120	8	20

Lab Sample ID: 570-1581-A-31-F MS | **Client Sample ID: Matrix Spike**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 6610 | **Prep Batch: 5525**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	ND	L	12.4	11.39		mg/Kg		92	75 - 125
Arsenic	8.94		24.8	32.61		mg/Kg		96	75 - 125
Barium	179		24.8	189.6	4	mg/Kg		43	75 - 125
Beryllium	1.10		24.8	24.32		mg/Kg		94	75 - 125
Cadmium	9.80		24.8	34.13		mg/Kg		98	75 - 125
Cobalt	13.0		24.8	33.03		mg/Kg		81	75 - 125
Chromium	102		24.8	114.5	4	mg/Kg		49	75 - 125
Copper	24.9		24.8	46.14		mg/Kg		86	75 - 125
Molybdenum	ND	F1 L	24.8	18.30	F1	mg/Kg		74	75 - 125
Nickel	25.4		24.8	44.17		mg/Kg		76	75 - 125
Antimony	ND	F2 F1 L	24.8	3.702	F1	mg/Kg		15	50 - 115
Selenium	ND	L	24.8	18.99		mg/Kg		77	75 - 125
Thallium	ND		24.8	20.49		mg/Kg		83	75 - 125
Vanadium	64.6	F1	24.8	80.32	F1	mg/Kg		64	75 - 125
Zinc	64.4	F1	24.8	80.09	F1	mg/Kg		63	75 - 125
Lead	3.44		24.8	27.27		mg/Kg		96	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 570-1581-A-31-G MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 6610 **Prep Batch: 5525**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND	L	12.6	12.13		mg/Kg		97	75 - 125	6	20
Arsenic	8.94		25.1	34.94		mg/Kg		103	75 - 125	7	20
Barium	179		25.1	221.0	4	mg/Kg		167	75 - 125	15	20
Beryllium	1.10		25.1	25.67		mg/Kg		98	75 - 125	5	20
Cadmium	9.80		25.1	35.92		mg/Kg		104	75 - 125	5	20
Cobalt	13.0		25.1	35.69		mg/Kg		90	75 - 125	8	20
Chromium	102		25.1	122.3	4	mg/Kg		79	75 - 125	7	20
Copper	24.9		25.1	48.02		mg/Kg		92	75 - 125	4	20
Molybdenum	ND	F1 L	25.1	19.38		mg/Kg		77	75 - 125	6	20
Nickel	25.4		25.1	46.01		mg/Kg		82	75 - 125	4	20
Antimony	ND	F2 F1 L	25.1	5.242	F2 F1	mg/Kg		21	50 - 115	34	20
Selenium	ND	L	25.1	19.59		mg/Kg		78	75 - 125	3	20
Thallium	ND		25.1	20.46		mg/Kg		81	75 - 125	0	20
Vanadium	64.6	F1	25.1	83.30	F1	mg/Kg		74	75 - 125	4	20
Zinc	64.4	F1	25.1	82.15	F1	mg/Kg		71	75 - 125	3	20
Lead	3.44		25.1	28.49		mg/Kg		100	75 - 125	4	20

Lab Sample ID: MB 570-6108/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 8098 **Prep Batch: 6108**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0100		mg/L		07/18/19 12:00	07/26/19 13:36	1
Arsenic	ND		0.100		mg/L		07/18/19 12:00	07/26/19 13:36	1
Barium	ND		0.0100		mg/L		07/18/19 12:00	07/26/19 13:36	1
Beryllium	ND		0.0100		mg/L		07/18/19 12:00	07/26/19 13:36	1
Cadmium	ND		0.0100		mg/L		07/18/19 12:00	07/26/19 13:36	1
Cobalt	ND		0.0500		mg/L		07/18/19 12:00	07/26/19 13:36	1
Chromium	ND		0.0500		mg/L		07/18/19 12:00	07/26/19 13:36	1
Copper	ND		0.0500		mg/L		07/18/19 12:00	07/26/19 13:36	1
Molybdenum	ND		0.0500		mg/L		07/18/19 12:00	07/26/19 13:36	1
Nickel	ND		0.0500		mg/L		07/18/19 12:00	07/26/19 13:36	1
Antimony	ND		0.100		mg/L		07/18/19 12:00	07/26/19 13:36	1
Selenium	ND		0.100		mg/L		07/18/19 12:00	07/26/19 13:36	1
Thallium	ND		0.0500		mg/L		07/18/19 12:00	07/26/19 13:36	1
Vanadium	ND		0.0100		mg/L		07/18/19 12:00	07/26/19 13:36	1
Zinc	ND		0.250		mg/L		07/18/19 12:00	07/26/19 13:36	1
Lead	ND		0.0500		mg/L		07/18/19 12:00	07/26/19 13:36	1

Lab Sample ID: LCS 570-6108/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 8098 **Prep Batch: 6108**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Silver			0.250	0.2427		mg/L		97	80 - 120		
Arsenic			0.500	0.4323		mg/L		86	80 - 120		
Barium			0.500	0.5551		mg/L		111	80 - 120		
Beryllium			0.500	0.4860		mg/L		97	80 - 120		
Cadmium			0.500	0.5215		mg/L		104	80 - 120		

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 570-6108/2-A
Matrix: Water
Analysis Batch: 8098

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 6108

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	0.500	0.5167		mg/L		103	80 - 120
Chromium	0.500	0.5028		mg/L		101	80 - 120
Copper	0.500	0.5014		mg/L		100	80 - 120
Molybdenum	0.500	0.4915		mg/L		98	80 - 120
Nickel	0.500	0.5313		mg/L		106	80 - 120
Antimony	0.500	0.3977		mg/L		80	80 - 120
Selenium	0.500	0.4833		mg/L		97	80 - 120
Thallium	0.500	0.5377		mg/L		108	80 - 120
Vanadium	0.500	0.4891		mg/L		98	80 - 120
Zinc	0.500	0.5085		mg/L		102	80 - 120
Lead	0.500	0.5214		mg/L		104	80 - 120

Lab Sample ID: LCSD 570-6108/3-A
Matrix: Water
Analysis Batch: 8098

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 6108

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	0.250	0.2407		mg/L		96	80 - 120	1	20
Arsenic	0.500	0.4236		mg/L		85	80 - 120	2	20
Barium	0.500	0.5502		mg/L		110	80 - 120	1	20
Beryllium	0.500	0.4854		mg/L		97	80 - 120	0	20
Cadmium	0.500	0.5156		mg/L		103	80 - 120	1	20
Cobalt	0.500	0.5141		mg/L		103	80 - 120	0	20
Chromium	0.500	0.4995		mg/L		100	80 - 120	1	20
Copper	0.500	0.4977		mg/L		100	80 - 120	1	20
Molybdenum	0.500	0.4963		mg/L		99	80 - 120	1	20
Nickel	0.500	0.5249		mg/L		105	80 - 120	1	20
Antimony	0.500	0.4247		mg/L		85	80 - 120	7	20
Selenium	0.500	0.4821		mg/L		96	80 - 120	0	20
Thallium	0.500	0.5302		mg/L		106	80 - 120	1	20
Vanadium	0.500	0.4838		mg/L		97	80 - 120	1	20
Zinc	0.500	0.5063		mg/L		101	80 - 120	0	20
Lead	0.500	0.5206		mg/L		104	80 - 120	0	20

Lab Sample ID: 570-1579-2 MS
Matrix: Water
Analysis Batch: 8098

Client Sample ID: WD1
Prep Type: Total/NA
Prep Batch: 6108

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	ND	F1	0.250	0.04842	F1	mg/L		19	86 - 128
Arsenic	ND		0.500	0.5026		mg/L		101	80 - 140
Barium	0.0247		0.500	0.5643		mg/L		108	87 - 123
Beryllium	ND		0.500	0.5264		mg/L		105	89 - 119
Cadmium	ND		0.500	0.5472		mg/L		109	82 - 124
Cobalt	ND		0.500	0.5313		mg/L		106	83 - 125
Chromium	ND		0.500	0.5016		mg/L		100	86 - 122
Copper	0.107		0.500	0.6233		mg/L		103	78 - 126
Molybdenum	ND	F2	0.500	0.4143		mg/L		82	78 - 126
Nickel	ND		0.500	0.5715		mg/L		111	84 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 570-1579-2 MS — **Client Sample ID: WD1**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8098 — **Prep Batch: 6108**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND	F1	0.500	0.1541	F1	mg/L		31	72 - 132
Selenium	ND		0.500	0.4810		mg/L		96	79 - 127
Thallium	ND		0.500	0.5481		mg/L		110	79 - 121
Vanadium	ND		0.500	0.5164		mg/L		102	88 - 118
Zinc	0.271		0.500	0.8279		mg/L		111	89 - 131
Lead	ND		0.500	0.4900		mg/L		98	84 - 120

Lab Sample ID: 570-1579-2 MSD — **Client Sample ID: WD1**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 8098 — **Prep Batch: 6108**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND	F1	0.250	0.05033	F1	mg/L		20	86 - 128	4	7
Arsenic	ND		0.500	0.4943		mg/L		99	80 - 140	2	11
Barium	0.0247		0.500	0.5654		mg/L		108	87 - 123	0	6
Beryllium	ND		0.500	0.5243		mg/L		105	89 - 119	0	8
Cadmium	ND		0.500	0.5489		mg/L		110	82 - 124	0	7
Cobalt	ND		0.500	0.5331		mg/L		107	83 - 125	0	7
Chromium	ND		0.500	0.4988		mg/L		100	86 - 122	1	8
Copper	0.107		0.500	0.6205		mg/L		103	78 - 126	0	7
Molybdenum	ND	F2	0.500	0.4556	F2	mg/L		90	78 - 126	9	7
Nickel	ND		0.500	0.5691		mg/L		110	84 - 120	0	7
Antimony	ND	F1	0.500	0.1672	F1	mg/L		33	72 - 132	8	10
Selenium	ND		0.500	0.5058		mg/L		101	79 - 127	5	9
Thallium	ND		0.500	0.5505		mg/L		110	79 - 121	0	8
Vanadium	ND		0.500	0.5154		mg/L		102	88 - 118	0	7
Zinc	0.271		0.500	0.8267		mg/L		111	89 - 131	0	8
Lead	ND		0.500	0.4950		mg/L		99	84 - 120	1	7

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 570-6773/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 6905 — **Prep Batch: 6773**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	mg/L		07/22/19 12:00	07/22/19 15:42	1

Lab Sample ID: LCS 570-6773/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 6905 — **Prep Batch: 6773**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0100	0.009743		mg/L		97	80 - 120

Client: EFI Global, Inc. Job ID: 570-1579-1
Project/Site: WH TAFT HS

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCSD 570-6773/17-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 6905 — **Prep Batch: 6773**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.0100	0.009728		mg/L		97	80 - 120	0	20

Lab Sample ID: 570-1614-H-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 6905 — **Prep Batch: 6773**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.0100	0.008476		mg/L		80	55 - 133

Lab Sample ID: 570-1614-H-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 6905 — **Prep Batch: 6773**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.0100	0.008755		mg/L		83	55 - 133	3	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-5532/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 5951 — **Prep Batch: 5532**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		07/17/19 09:15	07/17/19 16:38	1

Lab Sample ID: LCS 570-5532/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 5951 — **Prep Batch: 5532**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury			0.833	0.8264		mg/Kg		99	85 - 121

Lab Sample ID: LCSD 570-5532/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 5951 — **Prep Batch: 5532**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.833	0.8222		mg/Kg		99	85 - 121	1	10

Lab Sample ID: 570-1581-A-31-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 5951 — **Prep Batch: 5532**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.847	0.8401		mg/Kg		91	71 - 137

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: 570-1581-A-31-D MSD
Matrix: Solid
Analysis Batch: 5951

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 5532

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.847	0.8585		mg/Kg		93	71 - 137	2	14

GC/MS VOA

Prep Batch: 5015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-1	SD1	Total/NA	Solid	5030C	
570-1579-1 MS	SD1	Total/NA	Solid	5030C	
570-1579-1 MSD	SD1	Total/NA	Solid	5030C	

Prep Batch: 5157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-5157/1-A	Method Blank	Total/NA	Solid	5030C	

Prep Batch: 5306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-5306/1-A	Method Blank	Total/NA	Solid	5030C	

Analysis Batch: 5418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-1	SD1	Total/NA	Solid	8260B	5015
MB 570-5157/1-A	Method Blank	Total/NA	Solid	8260B	5157
MB 570-5306/1-A	Method Blank	Total/NA	Solid	8260B	5306
LCS 570-5418/9	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-5418/10	Lab Control Sample Dup	Total/NA	Solid	8260B	
570-1579-1 MS	SD1	Total/NA	Solid	8260B	5015
570-1579-1 MSD	SD1	Total/NA	Solid	8260B	5015

Analysis Batch: 5489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-2	WD1	Total/NA	Water	8260B	
MB 570-5489/9	Method Blank	Total/NA	Water	8260B	
LCS 570-5489/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-5489/5	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 4865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-1	SD1	Total/NA	Solid	3545	
MB 570-4865/1-A	Method Blank	Total/NA	Solid	3545	
LCS 570-4865/2-A	Lab Control Sample	Total/NA	Solid	3545	
570-1581-A-25-C MS	Matrix Spike	Total/NA	Solid	3545	
570-1581-A-25-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3545	

Prep Batch: 4949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-2	WD1	Total/NA	Water	3510C	
MB 570-4949/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-4949/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-4949/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 5257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-2	WD1	Total/NA	Water	8270C	4949
MB 570-4949/1-A	Method Blank	Total/NA	Water	8270C	4949
LCS 570-4949/2-A	Lab Control Sample	Total/NA	Water	8270C	4949

GC/MS Semi VOA (Continued)

Analysis Batch: 5257 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 570-4949/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	4949

Analysis Batch: 5376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-4865/1-A	Method Blank	Total/NA	Solid	8270C	4865
LCS 570-4865/2-A	Lab Control Sample	Total/NA	Solid	8270C	4865
570-1581-A-25-C MS	Matrix Spike	Total/NA	Solid	8270C	4865
570-1581-A-25-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8270C	4865

Analysis Batch: 5793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-1	SD1	Total/NA	Solid	8270C	4865

GC VOA

Prep Batch: 5013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-1	SD1	Total/NA	Solid	5030C	
MB 570-5013/3-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-5013/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-5013/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
570-1583-B-1-B MS	Matrix Spike	Total/NA	Solid	5030C	

Analysis Batch: 5143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-2	WD1	Total/NA	Water	8015B	
MB 570-5143/6	Method Blank	Total/NA	Water	8015B	
LCS 570-5143/3	Lab Control Sample	Total/NA	Water	8015B	
LCSD 570-5143/4	Lab Control Sample Dup	Total/NA	Water	8015B	
570-1452-A-7 MS	Matrix Spike	Total/NA	Water	8015B	
570-1452-A-7 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	

Analysis Batch: 5151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-1	SD1	Total/NA	Solid	8015B	5013
MB 570-5013/3-A	Method Blank	Total/NA	Solid	8015B	5013
MB 570-5180/1-A	Method Blank	Total/NA	Solid	8015B	5180
LCS 570-5013/1-A	Lab Control Sample	Total/NA	Solid	8015B	5013
LCSD 570-5013/2-A	Lab Control Sample Dup	Total/NA	Solid	8015B	5013
570-1583-B-1-B MS	Matrix Spike	Total/NA	Solid	8015B	5013
570-1583-G-1-A MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	5167

Prep Batch: 5167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-G-1-A MSD	Matrix Spike Duplicate	Total/NA	Solid	5030C	

Prep Batch: 5180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-5180/1-A	Method Blank	Total/NA	Solid	5030C	

QC Association Summary

GC Semi VOA

Prep Batch: 4936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-2	WD1	Total/NA	Water	3510C	
MB 570-4936/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-4936/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 570-4936/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-4936/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 570-4936/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 5081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-2	WD1	Total/NA	Water	3510C	
MB 570-5081/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-5081/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-5081/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 5088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-2	WD1	Total/NA	Water	8082	4936
MB 570-4936/1-A	Method Blank	Total/NA	Water	8082	4936
LCS 570-4936/4-A	Lab Control Sample	Total/NA	Water	8082	4936
LCSD 570-4936/5-A	Lab Control Sample Dup	Total/NA	Water	8082	4936

Prep Batch: 5342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-1	SD1	Total/NA	Solid	3545	
MB 570-5342/1-A	Method Blank	Total/NA	Solid	3545	
LCS 570-5342/2-A	Lab Control Sample	Total/NA	Solid	3545	
LCS 570-5342/5-A	Lab Control Sample	Total/NA	Solid	3545	
570-1579-1 MS	SD1	Total/NA	Solid	3545	
570-1579-1 MSD	SD1	Total/NA	Solid	3545	
570-1838-A-1-A MS	Matrix Spike	Total/NA	Solid	3545	
570-1838-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3545	

Analysis Batch: 5371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-2	WD1	Total/NA	Water	8081A	4936
MB 570-4936/1-A	Method Blank	Total/NA	Water	8081A	4936
LCS 570-4936/2-A	Lab Control Sample	Total/NA	Water	8081A	4936
LCSD 570-4936/3-A	Lab Control Sample Dup	Total/NA	Water	8081A	4936

Prep Batch: 5396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-1	SD1	Total/NA	Solid	3550C	
MB 570-5396/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-5396/2-A	Lab Control Sample	Total/NA	Solid	3550C	
570-1478-A-1-C MS	Matrix Spike	Total/NA	Solid	3550C	
570-1478-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

Analysis Batch: 5586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-1	SD1	Total/NA	Solid	8015B	5396
MB 570-5396/1-A	Method Blank	Total/NA	Solid	8015B	5396

GC Semi VOA (Continued)

Analysis Batch: 5586 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-5396/2-A	Lab Control Sample	Total/NA	Solid	8015B	5396
570-1478-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B	5396
570-1478-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	5396

Analysis Batch: 5640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-1	SD1	Total/NA	Solid	8082	5342
MB 570-5342/1-A	Method Blank	Total/NA	Solid	8082	5342
LCS 570-5342/5-A	Lab Control Sample	Total/NA	Solid	8082	5342
570-1838-A-1-A MS	Matrix Spike	Total/NA	Solid	8082	5342
570-1838-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	5342

Analysis Batch: 5651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-2	WD1	Total/NA	Water	8015B	5081
MB 570-5081/1-A	Method Blank	Total/NA	Water	8015B	5081
LCS 570-5081/2-A	Lab Control Sample	Total/NA	Water	8015B	5081
LCSD 570-5081/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	5081

Analysis Batch: 5841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-1	SD1	Total/NA	Solid	8081A	5342
570-1579-2	WD1	Total/NA	Water	8081A	4936
MB 570-5342/1-A	Method Blank	Total/NA	Solid	8081A	5342
LCS 570-5342/2-A	Lab Control Sample	Total/NA	Solid	8081A	5342
570-1579-1 MS	SD1	Total/NA	Solid	8081A	5342
570-1579-1 MSD	SD1	Total/NA	Solid	8081A	5342

Metals

Prep Batch: 5525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-1	SD1	Total/NA	Solid	3050B	
MB 570-5525/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-5525/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-5525/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-1581-A-31-F MS	Matrix Spike	Total/NA	Solid	3050B	
570-1581-A-31-G MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Prep Batch: 5532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-1	SD1	Total/NA	Solid	7471A	
MB 570-5532/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-5532/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-5532/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
570-1581-A-31-C MS	Matrix Spike	Total/NA	Solid	7471A	
570-1581-A-31-D MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	

Analysis Batch: 5951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-1	SD1	Total/NA	Solid	7471A	5532

Metals (Continued)

Analysis Batch: 5951 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-5532/1-A	Method Blank	Total/NA	Solid	7471A	5532
LCS 570-5532/2-A	Lab Control Sample	Total/NA	Solid	7471A	5532
LCSD 570-5532/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	5532
570-1581-A-31-C MS	Matrix Spike	Total/NA	Solid	7471A	5532
570-1581-A-31-D MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	5532

Prep Batch: 6108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-2	WD1	Total/NA	Water	3010A	
MB 570-6108/1-A	Method Blank	Total/NA	Water	3010A	
LCS 570-6108/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 570-6108/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
570-1579-2 MS	WD1	Total/NA	Water	3010A	
570-1579-2 MSD	WD1	Total/NA	Water	3010A	

Analysis Batch: 6610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-1	SD1	Total/NA	Solid	6010B	5525
MB 570-5525/1-A	Method Blank	Total/NA	Solid	6010B	5525
LCS 570-5525/2-A	Lab Control Sample	Total/NA	Solid	6010B	5525
LCSD 570-5525/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	5525
570-1581-A-31-F MS	Matrix Spike	Total/NA	Solid	6010B	5525
570-1581-A-31-G MSD	Matrix Spike Duplicate	Total/NA	Solid	6010B	5525

Prep Batch: 6773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-2	WD1	Total/NA	Water	7470A	
MB 570-6773/1-A	Method Blank	Total/NA	Water	7470A	
LCS 570-6773/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 570-6773/17-A	Lab Control Sample Dup	Total/NA	Water	7470A	
570-1614-H-1-C MS	Matrix Spike	Total/NA	Water	7470A	
570-1614-H-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 6905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-2	WD1	Total/NA	Water	7470A	6773
MB 570-6773/1-A	Method Blank	Total/NA	Water	7470A	6773
LCS 570-6773/2-A	Lab Control Sample	Total/NA	Water	7470A	6773
LCSD 570-6773/17-A	Lab Control Sample Dup	Total/NA	Water	7470A	6773
570-1614-H-1-C MS	Matrix Spike	Total/NA	Water	7470A	6773
570-1614-H-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	6773

Analysis Batch: 8098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1579-2	WD1	Total/NA	Water	6010B	6108
MB 570-6108/1-A	Method Blank	Total/NA	Water	6010B	6108
LCS 570-6108/2-A	Lab Control Sample	Total/NA	Water	6010B	6108
LCSD 570-6108/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	6108
570-1579-2 MS	WD1	Total/NA	Water	6010B	6108
570-1579-2 MSD	WD1	Total/NA	Water	6010B	6108

Client: EFI Global, Inc. Job ID: 570-1579-1
Project/Site: WH TAFT HS

Client Sample ID: SD1 **Lab Sample ID: 570-1579-1**
Date Collected: 07/10/19 15:30 **Matrix: Solid**
Date Received: 07/11/19 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.00 g	5 mL	5015	07/13/19 14:09	G6NI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5418	07/16/19 15:14	BE5H	ECL 2
	Instrument ID: GCMSLL									
Total/NA	Prep	3545			20.32 g	2 mL	4865	07/12/19 16:52	EA	ECL 1
Total/NA	Analysis	8270C		1			5793	07/17/19 19:29	N8CZ	ECL 1
	Instrument ID: GCMSSS									
Total/NA	Prep	5030C			5.01 g	5 mL	5013	07/13/19 13:11	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	5151	07/16/19 01:18	CVA6	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.2 g	10 mL	5396	07/16/19 11:34	CL	ECL 1
Total/NA	Analysis	8015B		1			5586	07/16/19 23:50	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.40 g	10 mL	5342	07/16/19 12:05	EA	ECL 1
Total/NA	Analysis	8081A		1			5841	07/18/19 08:03	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3545			20.40 g	10 mL	5342	07/16/19 12:05	EA	ECL 1
Total/NA	Analysis	8082		1			5640	07/18/19 04:12	U6T2	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.97 g	100 mL	5525	07/16/19 16:00	TA	ECL 1
Total/NA	Analysis	6010B		1			6610	07/19/19 18:47	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.60 g	100 mL	5532	07/17/19 09:15	TA	ECL 1
Total/NA	Analysis	7471A		1			5951	07/17/19 17:05	I3IN	ECL 1
	Instrument ID: HG8									

Client Sample ID: WD1 **Lab Sample ID: 570-1579-2**
Date Collected: 07/10/19 15:35 **Matrix: Water**
Date Received: 07/11/19 19:50

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	5 mL	5 mL	5489	07/17/19 02:21	BL	ECL 2
	Instrument ID: GCMSPP									
Total/NA	Prep	3510C			1031.9 mL	2 mL	4949	07/13/19 09:41	OAJ3	ECL 1
Total/NA	Analysis	8270C		1			5257	07/15/19 19:58	N8CZ	ECL 1
	Instrument ID: GCMSSS									
Total/NA	Analysis	8015B		1	5 g	5 mL	5143	07/15/19 20:42	CVA6	ECL 2
	Instrument ID: GC24									
Total/NA	Prep	3510C			540 mL	2.5 mL	5081	07/14/19 11:42	UFLU	ECL 1
Total/NA	Analysis	8015B		1			5651	07/18/19 03:21	I9H5	ECL 1
	Instrument ID: GC50									
Total/NA	Prep	3510C			1022.6 mL	5 mL	4936	07/13/19 07:33	OAJ3	ECL 1
Total/NA	Analysis	8081A		1			5371	07/16/19 14:51	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3510C			1022.6 mL	5 mL	4936	07/13/19 07:33	OAJ3	ECL 1
Total/NA	Analysis	8081A		1			5841	07/18/19 14:22	U6T2	ECL 1
	Instrument ID: GC44									

Lab Chronicle

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1579-1

Client Sample ID: WD1

Date Collected: 07/10/19 15:35
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1579-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1022.6 mL	5 mL	4936	07/13/19 07:33	OAJ3	ECL 1
Total/NA	Analysis	8082		1			5088	07/14/19 16:56	U6T2	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3010A			50 mL	50 mL	6108	07/18/19 12:00	WL8G	ECL 1
Total/NA	Analysis	6010B		1			8098	07/26/19 12:34	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7470A			50 mL	100 mL	6773	07/22/19 12:00	WL8G	ECL 1
Total/NA	Analysis	7470A		1			6905	07/22/19 16:21	I3IN	ECL 1
	Instrument ID: HG8									

Laboratory References:

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

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: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1579-1

Laboratory: Eurofins Calscience LLC

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Arizona	State Program	9	AZ0781	03-13-20
California	SCAQMD LAP	9	N/A	11-30-19
California	State Program	9	2944	09-30-19
Guam	State Program	9	19-004R	10-31-19
Hawaii	State Program	9	N/A	01-29-20
Nevada	State Program	9	CA00111	07-31-19
Oregon	NELAP Primary AB	10	CA300001	01-20-20
Washington	State Program	10	C916	10-11-19

Method Summary

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	ECL 1
8015B	Gasoline Range Organics - (GC)	SW846	ECL 2
8015B	Diesel Range Organics (DRO) (GC)	SW846	ECL 1
8081A	Organochlorine Pesticides (GC)	SW846	ECL 1
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
6010B	Metals (ICP)	SW846	ECL 1
7470A	Mercury (CVAA)	SW846	ECL 1
7471A	Mercury (CVAA)	SW846	ECL 1
3010A	Preparation, Total Metals	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ECL 1
3545	Pressurized Fluid Extraction	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 1
5030C	Purge and Trap	SW846	ECL
7470A	Preparation, Mercury	SW846	ECL 1
7471A	Preparation, Mercury	SW846	ECL 1

Protocol References:

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

Laboratory References:

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

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: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1579-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-1579-1	SD1	Solid	07/10/19 15:30	07/11/19 19:50	
570-1579-2	WD1	Water	07/10/19 15:35	07/11/19 19:50	

EFI Global

Engineering, Fire & Environmental Services

Andersen Environmental, an EFI Global Company
5261 West Imperial Highway, Los Angeles CA 90045
Tel: (310) 854-6300 Fax: (310) 854-0199 www.AndersenEnviro.com

Chain-of-Custody Record

1/1 ~~AE_EFI_01~~

Analytical Laboratory:	Eurofins Calscience	Geotracker Global ID:	
Project Number:	0W5.00549		WM TAFT HS
Project Address:	5461 Winnetka Ave, Woodland Hills CA 91364		
Project Manager:	Shayan Simantob		
Sampled by:	P. Sheikh		
Phone:	(310) 920-1230		
Email:	shayan.simantob@efiglobal.com		

Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	Preservative: HNO3	Preservative: NaHSO4	Preservative: HCl	Sampling Information: Date	Sampling Information: Time	Method: T22 (7471A)	Method: OCPs (8081A)	Method: TPH-g + EFH (8015)	Method: VOCs (8260B)	Method: SVOCs (8270C)	Method: PCBs (8082)	Method: ~~Composite~~	Method: Hold	Container: 4- or 8-ounce Glass	Container: Plastic Bag	Container: VOAs (by EPA 5035)	Container: various	Turnaround Time: Normal / Standard	Turnaround Time: 72 Hour	Turnaround Time: 48 Hours	Turnaround Time: 24 Hours
1	SO1			X		X							7/10/19	1530	X	X	X	X	X	X	X		X				X			
2	WO1			X	X								↓	1535	X	X	X	X	X	X	X					X	X			
3																														
4																														
5																														
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18																														
19																														
20																														

570-1579 Chain of Custody

Relinquished by	Date	Time	Received by	Date	Time	Remarks
[signature]	7/11/19 AM ~~7/10/19~~	1440 ~~2220~~	[signature] EC	7/11/19	1440	Sample condition (circle): Chilled Intact
[signature]	7/11/19	1950	[signature] EC	7/11/19	1950	Excavation Area:

2.2+0.2 2.4

8/3/2019

Login Sample Receipt Checklist

Client: EFI Global, Inc. | Job Number: 570-1579-1

Login Number: 1579 | **List Source: Eurofins Calscience**
List Number: 1
Creator: Castro, Joy

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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 <6mm (1/4").	False	Headspace larger than 1/4" in one or more vials, one vial with accpt. headspace
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

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

Laboratory Job ID: 570-1583-1
Client Project/Site: WH TAFT HS

For:
EFI Global, Inc.
5261 West Imperial Highway
Los Angeles, California 90045

Attn: Desi Salgado

Authorized for release by:
7/31/2019 10:18:43 AM
Hoaibao Nguyen, Project Manager I
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Designee for
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stephennowak@eurofinsus.com

Table of Contents

Definitions/Glossary

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Metals

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

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)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Job ID: 570-1583-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-1583-1

Comments
No additional comments.

Receipt
The samples were received on 7/11/2019 7:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.2º C, 2.3º C and 2.3º C.

Receipt Exceptions

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): HA25-1.5 (570-1583-5) and HA25-3 (570-1583-6). The container labels list 8:32 while the COC lists 8:34; and 8:34 while the COC lists 8:36.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): HA28-0.5 DUP (570-1583-13). The container labels on the Terracores are labeled as HA28-0.5, while the COC reads HA28-0.5 DUP

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

GC/MS Semi VOA
Method(s) 8270C: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 570-4921 and analytical batch 570-5363 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.

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

GC VOA
Method(s) 8015B: The following sample have a chromatographic pattern that is inconsistent with the fuel standard used for quantitation: (570-1452-A-7).

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

GC Semi VOA
Method(s) 8015B: The following sample contained a hydrocarbon pattern in the diesel range; however, the elution pattern was inconsistent with the typical diesel and motor oil fuel pattern used by the laboratory for quantitative purposes: (570-1646-A-1-L).

Method(s) 8015B: The following sample has chromatographic interferences that could adversely impact the identification and quantitation of C6 : HA33-0.5 (570-1583-26) These interferences could cause false positive and/or false negative results.

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

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

Organic Prep
Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-4936.LCS/LCSD performed to meet QC requirements. 8081/8082. OAJ3

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-4949. LCS/LCSD performed to meet QC requirements. 8270. OAJ3

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

Job ID: 570-1583-1 (Continued)

Laboratory: Eurofins Calscience LLC (Continued)

VOA Prep
Method(s) 5035:

Vials have no water
HA24-0.5 (570-1583-1), HA28-0.5 (570-1583-10) and HA28-0.5 DUP (570-1583-13)

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

Detection Summary

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

Client Sample ID: HA24-0.5 — Lab Sample ID: 570-1583-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	50		45		ug/Kg	1		8260B	Total/NA
Lead	4.22		0.508		mg/Kg	1		6010B	Total/NA

Client Sample ID: HA25-0.5 — Lab Sample ID: 570-1583-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	1.8		0.86		ug/Kg	1		8260B	Total/NA
Ethylbenzene	1.4		0.86		ug/Kg	1		8260B	Total/NA
Toluene	2.3		0.86		ug/Kg	1		8260B	Total/NA
Dimethyl phthalate	0.50		0.50		mg/Kg	1		8270C	Total/NA
Lead	2.48		0.508		mg/Kg	1		6010B	Total/NA

Client Sample ID: HA26-0.5 — Lab Sample ID: 570-1583-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	76		48		ug/Kg	1		8260B	Total/NA
Dimethyl phthalate	0.55		0.50		mg/Kg	1		8270C	Total/NA
Lead	12.8		0.505		mg/Kg	1		6010B	Total/NA
Arsenic	15.8		4.85		mg/Kg	100		6020	Total/NA

Client Sample ID: HA28-0.5 — Lab Sample ID: 570-1583-10

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
C25-C28	19		5.0		mg/Kg	1		8015B	Total/NA
C29-C32	31		5.0		mg/Kg	1		8015B	Total/NA
C33-C36	31		5.0		mg/Kg	1		8015B	Total/NA
C37-C40	20		5.0		mg/Kg	1		8015B	Total/NA
C41-C44	11		5.0		mg/Kg	1		8015B	Total/NA
Lead	14.3		0.515		mg/Kg	1		6010B	Total/NA
Arsenic	6.91		5.03		mg/Kg	100		6020	Total/NA

Client Sample ID: HA28-0.5 DUP — Lab Sample ID: 570-1583-13

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	66		46		ug/Kg	1		8260B	Total/NA
C29-C32	9.6		5.0		mg/Kg	1		8015B	Total/NA
C33-C36	9.7		5.0		mg/Kg	1		8015B	Total/NA
C37-C40	7.0		5.0		mg/Kg	1		8015B	Total/NA
Lead	6.50		0.498		mg/Kg	1		6010B	Total/NA
Arsenic	9.18		5.10		mg/Kg	100		6020	Total/NA

Client Sample ID: HA29-0.5 — Lab Sample ID: 570-1583-14

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
C25-C28	12		5.0		mg/Kg	1		8015B	Total/NA
C29-C32	21		5.0		mg/Kg	1		8015B	Total/NA
C33-C36	20		5.0		mg/Kg	1		8015B	Total/NA
C37-C40	14		5.0		mg/Kg	1		8015B	Total/NA
C41-C44	7.8		5.0		mg/Kg	1		8015B	Total/NA
Lead	1.80		0.478		mg/Kg	1		6010B	Total/NA
Arsenic	9.12		5.05		mg/Kg	100		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

Client Sample ID: HA30-0.5 — Lab Sample ID: 570-1583-17

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	90		52		ug/Kg	1		8260B	Total/NA
Dimethyl phthalate	0.49		0.49		mg/Kg	1		8270C	Total/NA
4,4'-DDE	6.6		5.0		ug/Kg	1		8081A	Total/NA
Chlordane	33	p	25		ug/Kg	1		8081A	Total/NA
Dieldrin	5.1		1.0		ug/Kg	1		8081A	Total/NA
Lead	34.6		0.483		mg/Kg	1		6010B	Total/NA
Arsenic	12.1		4.85		mg/Kg	100		6020	Total/NA

Client Sample ID: HA31-0.5 — Lab Sample ID: 570-1583-20

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	170		52		ug/Kg	1		8260B	Total/NA
Benzene	2.0		1.0		ug/Kg	1		8260B	Total/NA
Carbon disulfide	23		10		ug/Kg	1		8260B	Total/NA
Toluene	2.7		1.0		ug/Kg	1		8260B	Total/NA
C21-C22	6.5		4.9		mg/Kg	1		8015B	Total/NA
C23-C24	9.4		4.9		mg/Kg	1		8015B	Total/NA
C25-C28	25		4.9		mg/Kg	1		8015B	Total/NA
C29-C32	33		4.9		mg/Kg	1		8015B	Total/NA
C33-C36	29		4.9		mg/Kg	1		8015B	Total/NA
C37-C40	15		4.9		mg/Kg	1		8015B	Total/NA
C41-C44	7.0		4.9		mg/Kg	1		8015B	Total/NA
Dieldrin	3.5	p	1.0		ug/Kg	1		8081A	Total/NA
Lead	10.4		0.481		mg/Kg	1		6010B	Total/NA
Arsenic	5.30		5.18		mg/Kg	100		6020	Total/NA

Client Sample ID: HA32-0.5 — Lab Sample ID: 570-1583-23

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	1.2		0.72		ug/Kg	1		8260B	Total/NA
Dimethyl phthalate	0.58		0.49		mg/Kg	1		8270C	Total/NA
C29-C32	6.5		4.9		mg/Kg	1		8015B	Total/NA
C33-C36	6.1		4.9		mg/Kg	1		8015B	Total/NA
Lead	3.16		0.495		mg/Kg	1		6010B	Total/NA
Arsenic	6.39		5.26		mg/Kg	100		6020	Total/NA

Client Sample ID: HA33-0.5 — Lab Sample ID: 570-1583-26

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dimethyl phthalate	0.60		0.50		mg/Kg	1		8270C	Total/NA
C6 as C6	59		5.0		mg/Kg	1		8015B	Total/NA
Lead	2.14		0.505		mg/Kg	1		6010B	Total/NA

Client Sample ID: HA33-0.5 DUP — Lab Sample ID: 570-1583-29

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	0.80		0.76		ug/Kg	1		8260B	Total/NA
Dimethyl phthalate	0.87		0.50		mg/Kg	1		8270C	Total/NA
Lead	2.21		0.513		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HA34-0.5
Lab Sample ID: 570-1583-30

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	140		78		ug/Kg	1		8260B	Total/NA
C23-C24	52		5.0		mg/Kg	1		8015B	Total/NA
C25-C28	41		5.0		mg/Kg	1		8015B	Total/NA
C29-C32	69		5.0		mg/Kg	1		8015B	Total/NA
C33-C36	60		5.0		mg/Kg	1		8015B	Total/NA
C37-C40	36		5.0		mg/Kg	1		8015B	Total/NA
C41-C44	25		5.0		mg/Kg	1		8015B	Total/NA
Lead	8.40		0.518		mg/Kg	1		6010B	Total/NA
Arsenic	15.7		5.00		mg/Kg	100		6020	Total/NA

Client Sample ID: HA35-0.5
Lab Sample ID: 570-1583-33

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Lead	2.59		0.498		mg/Kg	1		6010B	Total/NA
Arsenic	6.44		4.85		mg/Kg	100		6020	Total/NA

Client Sample ID: HA36-0.5
Lab Sample ID: 570-1583-36

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dimethyl phthalate	0.63		0.49		mg/Kg	1		8270C	Total/NA
Lead	3.31		0.524		mg/Kg	1		6010B	Total/NA

Client Sample ID: HA37-0.5
Lab Sample ID: 570-1583-39

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
C33-C36	7.3		5.0		mg/Kg	1		8015B	Total/NA
C37-C40	7.8		5.0		mg/Kg	1		8015B	Total/NA
C41-C44	6.0		5.0		mg/Kg	1		8015B	Total/NA
Lead	3.30		0.508		mg/Kg	1		6010B	Total/NA

Client Sample ID: EB3
Lab Sample ID: 570-1583-42

No Detections.

This Detection Summary does not include radiochemical test results.

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

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

Client Sample ID: HA24-0.5 **Lab Sample ID: 570-1583-1**
Date Collected: 07/10/19 14:02 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
1,1,1-Trichloroethane	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
1,1,2,2-Tetrachloroethane	ND		1.8		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.9		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
1,1,2-Trichloroethane	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
1,1-Dichloroethane	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
1,1-Dichloroethene	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
1,1-Dichloropropene	ND		1.8		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
1,2,3-Trichlorobenzene	ND		1.8		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
1,2,3-Trichloropropane	ND		1.8		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
1,2,4-Trichlorobenzene	ND		1.8		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
1,2,4-Trimethylbenzene	ND		1.8		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
1,2-Dibromo-3-Chloropropane	ND		8.9		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
1,2-Dibromoethane	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
1,2-Dichlorobenzene	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
1,2-Dichloroethane	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
1,2-Dichloropropane	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
1,3,5-Trimethylbenzene	ND		1.8		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
1,3-Dichlorobenzene	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
1,3-Dichloropropane	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
1,4-Dichlorobenzene	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
2,2-Dichloropropane	ND		4.5		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
2-Butanone	ND		18		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
1,4-Dioxane	ND		89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
2-Chlorotoluene	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
2-Hexanone	ND		18		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
4-Chlorotoluene	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
4-Methyl-2-pentanone	ND		18		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Acetone	**50**		45		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Benzene	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Bromobenzene	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Bromochloromethane	ND		1.8		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Bromodichloromethane	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Bromoform	ND		4.5		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Bromomethane	ND		18		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
cis-1,2-Dichloroethene	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
cis-1,3-Dichloropropene	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Carbon disulfide	ND		8.9		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Carbon tetrachloride	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Chlorobenzene	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Chloroethane	ND		1.8		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Chloroform	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Chloromethane	ND		18		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Dibromochloromethane	ND		1.8		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Dibromomethane	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Dichlorodifluoromethane	ND		1.8		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Di-isopropyl ether (DIPE)	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Ethanol	ND		450		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Ethylbenzene	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1

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

Client Sample ID: HA24-0.5 **Lab Sample ID: 570-1583-1**
Date Collected: 07/10/19 14:02 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Isopropylbenzene	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Methylene Chloride	ND		8.9		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Methyl-t-Butyl Ether (MTBE)	ND		1.8		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Naphthalene	ND		8.9		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
n-Butylbenzene	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
N-Propylbenzene	ND		1.8		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
o-Xylene	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
m,p-Xylene	ND		1.8		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
p-Isopropyltoluene	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
sec-Butylbenzene	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Styrene	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
trans-1,2-Dichloroethene	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
trans-1,3-Dichloropropene	ND		1.8		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Tert-amyl-methyl ether (TAME)	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
tert-Butyl alcohol (TBA)	ND		18		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
tert-Butylbenzene	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Tetrachloroethene	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Toluene	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Trichloroethene	ND		1.8		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Trichlorofluoromethane	ND		8.9		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Vinyl acetate	ND		8.9		ug/Kg		07/13/19 16:03	07/16/19 15:19	1
Vinyl chloride	ND		0.89		ug/Kg		07/13/19 16:03	07/16/19 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*137*		*71 - 155*	*07/13/19 16:03*	*07/16/19 15:19*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*	*07/13/19 16:03*	*07/16/19 15:19*	*1*
Dibromofluoromethane	*112*		*79 - 133*	*07/13/19 16:03*	*07/16/19 15:19*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*07/13/19 16:03*	*07/16/19 15:19*	*1*

Client Sample ID: HA25-0.5 **Lab Sample ID: 570-1583-4**
Date Collected: 07/10/19 08:32 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
1,1,1-Trichloroethane	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
1,1,2,2-Tetrachloroethane	ND		1.7		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.6		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
1,1,2-Trichloroethane	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
1,1-Dichloroethane	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
1,1-Dichloroethene	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
1,1-Dichloropropene	ND		1.7		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
1,2,3-Trichlorobenzene	ND		1.7		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
1,2,3-Trichloropropane	ND		1.7		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
1,2,4-Trichlorobenzene	ND		1.7		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
1,2,4-Trimethylbenzene	ND		1.7		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
1,2-Dibromo-3-Chloropropane	ND		8.6		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
1,2-Dibromoethane	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
1,2-Dichlorobenzene	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
1,2-Dichloroethane	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1

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

Client Sample ID: HA25-0.5
Date Collected: 07/10/19 08:32
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
1,3,5-Trimethylbenzene	ND		1.7		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
1,3-Dichlorobenzene	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
1,3-Dichloropropane	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
1,4-Dichlorobenzene	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
2,2-Dichloropropane	ND		4.3		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
2-Butanone	ND		17		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
1,4-Dioxane	ND		86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
2-Chlorotoluene	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
2-Hexanone	ND		17		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
4-Chlorotoluene	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
4-Methyl-2-pentanone	ND		17		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Acetone	ND		43		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Benzene	**1.8**		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Bromobenzene	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Bromochloromethane	ND		1.7		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Bromodichloromethane	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Bromoform	ND		4.3		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Bromomethane	ND		17		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
cis-1,2-Dichloroethene	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
cis-1,3-Dichloropropene	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Carbon disulfide	ND		8.6		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Carbon tetrachloride	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Chlorobenzene	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Chloroethane	ND		1.7		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Chloroform	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Chloromethane	ND		17		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Dibromochloromethane	ND		1.7		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Dibromomethane	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Dichlorodifluoromethane	ND		1.7		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Di-isopropyl ether (DIPE)	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Ethanol	ND		430		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Ethylbenzene	**1.4**		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Ethyl-t-butyl ether (ETBE)	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Isopropylbenzene	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Methylene Chloride	ND		8.6		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Methyl-t-Butyl Ether (MTBE)	ND		1.7		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Naphthalene	ND		8.6		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
n-Butylbenzene	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
N-Propylbenzene	ND		1.7		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
o-Xylene	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
m,p-Xylene	ND		1.7		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
p-Isopropyltoluene	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
sec-Butylbenzene	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Styrene	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
trans-1,2-Dichloroethene	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
trans-1,3-Dichloropropene	ND		1.7		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Tert-amyl-methyl ether (TAME)	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
tert-Butyl alcohol (TBA)	ND		17		ug/Kg		07/13/19 16:03	07/16/19 15:46	1

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

Client Sample ID: HA25-0.5 **Lab Sample ID: 570-1583-4**
Date Collected: 07/10/19 08:32 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Tetrachloroethene	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Toluene	**2.3**		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Trichloroethene	ND		1.7		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Trichlorofluoromethane	ND		8.6		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Vinyl acetate	ND		8.6		ug/Kg		07/13/19 16:03	07/16/19 15:46	1
Vinyl chloride	ND		0.86		ug/Kg		07/13/19 16:03	07/16/19 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*136*		*71 - 155*	*07/13/19 16:03*	*07/16/19 15:46*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*	*07/13/19 16:03*	*07/16/19 15:46*	*1*
Dibromofluoromethane	*109*		*79 - 133*	*07/13/19 16:03*	*07/16/19 15:46*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*07/13/19 16:03*	*07/16/19 15:46*	*1*

Client Sample ID: HA26-0.5 **Lab Sample ID: 570-1583-7**
Date Collected: 07/10/19 09:02 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
1,1,1-Trichloroethane	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
1,1,2,2-Tetrachloroethane	ND		1.9		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.7		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
1,1,2-Trichloroethane	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
1,1-Dichloroethane	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
1,1-Dichloroethene	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
1,1-Dichloropropene	ND		1.9		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
1,2,3-Trichlorobenzene	ND		1.9		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
1,2,3-Trichloropropane	ND		1.9		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
1,2,4-Trichlorobenzene	ND		1.9		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
1,2,4-Trimethylbenzene	ND		1.9		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
1,2-Dibromo-3-Chloropropane	ND		9.7		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
1,2-Dibromoethane	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
1,2-Dichlorobenzene	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
1,2-Dichloroethane	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
1,2-Dichloropropane	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
1,3,5-Trimethylbenzene	ND		1.9		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
1,3-Dichlorobenzene	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
1,3-Dichloropropane	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
1,4-Dichlorobenzene	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
2,2-Dichloropropane	ND		4.8		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
2-Butanone	ND		19		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
1,4-Dioxane	ND		97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
2-Chlorotoluene	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
2-Hexanone	ND		19		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
4-Chlorotoluene	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
4-Methyl-2-pentanone	ND		19		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Acetone	**76**		48		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Benzene	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Bromobenzene	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Bromochloromethane	ND		1.9		ug/Kg		07/13/19 16:03	07/15/19 20:17	1

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

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

Client Sample ID: HA26-0.5 **Lab Sample ID: 570-1583-7**
Date Collected: 07/10/19 09:02 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Bromoform	ND		4.8		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Bromomethane	ND		19		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
cis-1,2-Dichloroethene	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
cis-1,3-Dichloropropene	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Carbon disulfide	ND		9.7		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Carbon tetrachloride	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Chlorobenzene	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Chloroethane	ND		1.9		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Chloroform	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Chloromethane	ND		19		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Dibromochloromethane	ND		1.9		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Dibromomethane	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Dichlorodifluoromethane	ND		1.9		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Di-isopropyl ether (DIPE)	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Ethanol	ND		480		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Ethylbenzene	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Ethyl-t-butyl ether (ETBE)	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Isopropylbenzene	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Methylene Chloride	ND		9.7		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Methyl-t-Butyl Ether (MTBE)	ND		1.9		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Naphthalene	ND		9.7		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
n-Butylbenzene	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
N-Propylbenzene	ND		1.9		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
o-Xylene	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
m,p-Xylene	ND		1.9		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
p-Isopropyltoluene	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
sec-Butylbenzene	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Styrene	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
trans-1,2-Dichloroethene	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
trans-1,3-Dichloropropene	ND		1.9		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Tert-amyl-methyl ether (TAME)	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
tert-Butyl alcohol (TBA)	ND		19		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
tert-Butylbenzene	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Tetrachloroethene	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Toluene	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Trichloroethene	ND		1.9		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Trichlorofluoromethane	ND		9.7		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Vinyl acetate	ND		9.7		ug/Kg		07/13/19 16:03	07/15/19 20:17	1
Vinyl chloride	ND		0.97		ug/Kg		07/13/19 16:03	07/15/19 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*71 - 155*	*07/13/19 16:03*	*07/15/19 20:17*	*1*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*	*07/13/19 16:03*	*07/15/19 20:17*	*1*
Dibromofluoromethane	*96*		*79 - 133*	*07/13/19 16:03*	*07/15/19 20:17*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*07/13/19 16:03*	*07/15/19 20:17*	*1*

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

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

Client Sample ID: HA28-0.5 **Lab Sample ID: 570-1583-10**
Date Collected: 07/10/19 11:00 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
1,1,1-Trichloroethane	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
1,1,2,2-Tetrachloroethane	ND		2.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
1,1,2-Trichloroethane	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
1,1-Dichloroethane	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
1,1-Dichloroethene	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
1,1-Dichloropropene	ND		2.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
1,2,3-Trichlorobenzene	ND		2.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
1,2,3-Trichloropropane	ND		2.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
1,2,4-Trichlorobenzene	ND		2.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
1,2,4-Trimethylbenzene	ND		2.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
1,2-Dibromo-3-Chloropropane	ND		11		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
1,2-Dibromoethane	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
1,2-Dichlorobenzene	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
1,2-Dichloroethane	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
1,2-Dichloropropane	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
1,3,5-Trimethylbenzene	ND		2.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
1,3-Dichlorobenzene	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
1,3-Dichloropropane	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
1,4-Dichlorobenzene	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
2,2-Dichloropropane	ND		5.3		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
2-Butanone	ND		21		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
1,4-Dioxane	ND		110		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
2-Chlorotoluene	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
2-Hexanone	ND		21		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
4-Chlorotoluene	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
4-Methyl-2-pentanone	ND		21		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Acetone	ND		53		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Benzene	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Bromobenzene	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Bromochloromethane	ND		2.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Bromodichloromethane	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Bromoform	ND		5.3		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Bromomethane	ND		21		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
cis-1,2-Dichloroethene	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
cis-1,3-Dichloropropene	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Carbon disulfide	ND		11		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Carbon tetrachloride	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Chlorobenzene	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Chloroethane	ND		2.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Chloroform	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Chloromethane	ND		21		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Dibromochloromethane	ND		2.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Dibromomethane	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Dichlorodifluoromethane	ND		2.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Di-isopropyl ether (DIPE)	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Ethanol	ND		530		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Ethylbenzene	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1

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

Client Sample ID: HA28-0.5
Date Collected: 07/10/19 11:00
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Isopropylbenzene	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Methylene Chloride	ND		11		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Methyl-t-Butyl Ether (MTBE)	ND		2.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Naphthalene	ND		11		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
n-Butylbenzene	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
N-Propylbenzene	ND		2.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
o-Xylene	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
m,p-Xylene	ND		2.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
p-Isopropyltoluene	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
sec-Butylbenzene	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Styrene	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
trans-1,2-Dichloroethene	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
trans-1,3-Dichloropropene	ND		2.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Tert-amyl-methyl ether (TAME)	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
tert-Butyl alcohol (TBA)	ND		21		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
tert-Butylbenzene	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Tetrachloroethene	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Toluene	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Trichloroethene	ND		2.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Trichlorofluoromethane	ND		11		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Vinyl acetate	ND		11		ug/Kg		07/13/19 16:03	07/15/19 20:42	1
Vinyl chloride	ND		1.1		ug/Kg		07/13/19 16:03	07/15/19 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*71 - 155*	*07/13/19 16:03*	*07/15/19 20:42*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*	*07/13/19 16:03*	*07/15/19 20:42*	*1*
Dibromofluoromethane	*98*		*79 - 133*	*07/13/19 16:03*	*07/15/19 20:42*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*07/13/19 16:03*	*07/15/19 20:42*	*1*

Client Sample ID: HA28-0.5 DUP
Date Collected: 07/10/19 11:00
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
1,1,1-Trichloroethane	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
1,1,2,2-Tetrachloroethane	ND		1.8		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.2		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
1,1,2-Trichloroethane	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
1,1-Dichloroethane	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
1,1-Dichloroethene	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
1,1-Dichloropropene	ND		1.8		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
1,2,3-Trichlorobenzene	ND		1.8		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
1,2,3-Trichloropropane	ND		1.8		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
1,2,4-Trichlorobenzene	ND		1.8		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
1,2,4-Trimethylbenzene	ND		1.8		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
1,2-Dibromo-3-Chloropropane	ND		9.2		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
1,2-Dibromoethane	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
1,2-Dichlorobenzene	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
1,2-Dichloroethane	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1

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

Client Sample ID: HA28-0.5 DUP
Date Collected: 07/10/19 11:00
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
1,3,5-Trimethylbenzene	ND		1.8		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
1,3-Dichlorobenzene	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
1,3-Dichloropropane	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
1,4-Dichlorobenzene	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
2,2-Dichloropropane	ND		4.6		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
2-Butanone	ND		18		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
1,4-Dioxane	ND		92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
2-Chlorotoluene	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
2-Hexanone	ND		18		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
4-Chlorotoluene	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
4-Methyl-2-pentanone	ND		18		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Acetone	**66**		46		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Benzene	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Bromobenzene	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Bromochloromethane	ND		1.8		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Bromodichloromethane	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Bromoform	ND		4.6		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Bromomethane	ND		18		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
cis-1,2-Dichloroethene	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
cis-1,3-Dichloropropene	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Carbon disulfide	ND		9.2		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Carbon tetrachloride	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Chlorobenzene	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Chloroethane	ND		1.8		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Chloroform	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Chloromethane	ND		18		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Dibromochloromethane	ND		1.8		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Dibromomethane	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Dichlorodifluoromethane	ND		1.8		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Di-isopropyl ether (DIPE)	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Ethanol	ND		460		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Ethylbenzene	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Ethyl-t-butyl ether (ETBE)	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Isopropylbenzene	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Methylene Chloride	ND		9.2		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Methyl-t-Butyl Ether (MTBE)	ND		1.8		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Naphthalene	ND		9.2		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
n-Butylbenzene	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
N-Propylbenzene	ND		1.8		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
o-Xylene	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
m,p-Xylene	ND		1.8		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
p-Isopropyltoluene	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
sec-Butylbenzene	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Styrene	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
trans-1,2-Dichloroethene	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
trans-1,3-Dichloropropene	ND		1.8		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Tert-amyl-methyl ether (TAME)	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
tert-Butyl alcohol (TBA)	ND		18		ug/Kg		07/13/19 16:03	07/15/19 21:08	1

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

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

Client Sample ID: HA28-0.5 DUP **Lab Sample ID: 570-1583-13**
Date Collected: 07/10/19 11:00 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Tetrachloroethene	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Toluene	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Trichloroethene	ND		1.8		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Trichlorofluoromethane	ND		9.2		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Vinyl acetate	ND		9.2		ug/Kg		07/13/19 16:03	07/15/19 21:08	1
Vinyl chloride	ND		0.92		ug/Kg		07/13/19 16:03	07/15/19 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*71 - 155*	*07/13/19 16:03*	*07/15/19 21:08*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*	*07/13/19 16:03*	*07/15/19 21:08*	*1*
Dibromofluoromethane	*98*		*79 - 133*	*07/13/19 16:03*	*07/15/19 21:08*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/13/19 16:03*	*07/15/19 21:08*	*1*

Client Sample ID: HA29-0.5 **Lab Sample ID: 570-1583-14**
Date Collected: 07/10/19 11:20 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
1,1,1-Trichloroethane	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
1,1,2,2-Tetrachloroethane	ND		2.4		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
1,1,2-Trichloroethane	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
1,1-Dichloroethane	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
1,1-Dichloroethene	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
1,1-Dichloropropene	ND		2.4		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
1,2,3-Trichlorobenzene	ND		2.4		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
1,2,3-Trichloropropane	ND		2.4		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
1,2,4-Trichlorobenzene	ND		2.4		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
1,2,4-Trimethylbenzene	ND		2.4		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
1,2-Dibromo-3-Chloropropane	ND		12		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
1,2-Dibromoethane	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
1,2-Dichlorobenzene	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
1,2-Dichloroethane	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
1,2-Dichloropropane	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
1,3,5-Trimethylbenzene	ND		2.4		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
1,3-Dichlorobenzene	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
1,3-Dichloropropane	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
1,4-Dichlorobenzene	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
2,2-Dichloropropane	ND		6.1		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
2-Butanone	ND		24		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
1,4-Dioxane	ND		120		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
2-Chlorotoluene	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
2-Hexanone	ND		24		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
4-Chlorotoluene	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
4-Methyl-2-pentanone	ND		24		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Acetone	ND		61		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Benzene	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Bromobenzene	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Bromochloromethane	ND		2.4		ug/Kg		07/13/19 16:03	07/16/19 16:13	1

Client Sample Results

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

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

Client Sample ID: HA29-0.5
Date Collected: 07/10/19 11:20
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-14
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Bromoform	ND		6.1		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Bromomethane	ND		24		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
cis-1,2-Dichloroethene	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
cis-1,3-Dichloropropene	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Carbon disulfide	ND		12		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Carbon tetrachloride	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Chlorobenzene	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Chloroethane	ND		2.4		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Chloroform	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Chloromethane	ND		24		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Dibromochloromethane	ND		2.4		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Dibromomethane	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Dichlorodifluoromethane	ND		2.4		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Di-isopropyl ether (DIPE)	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Ethanol	ND		610		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Ethylbenzene	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Ethyl-t-butyl ether (ETBE)	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Isopropylbenzene	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Methylene Chloride	ND		12		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Methyl-t-Butyl Ether (MTBE)	ND		2.4		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Naphthalene	ND		12		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
n-Butylbenzene	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
N-Propylbenzene	ND		2.4		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
o-Xylene	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
m,p-Xylene	ND		2.4		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
p-Isopropyltoluene	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
sec-Butylbenzene	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Styrene	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
trans-1,2-Dichloroethene	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
trans-1,3-Dichloropropene	ND		2.4		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Tert-amyl-methyl ether (TAME)	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
tert-Butyl alcohol (TBA)	ND		24		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
tert-Butylbenzene	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Tetrachloroethene	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Toluene	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Trichloroethene	ND		2.4		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Trichlorofluoromethane	ND		12		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Vinyl acetate	ND		12		ug/Kg		07/13/19 16:03	07/16/19 16:13	1
Vinyl chloride	ND		1.2		ug/Kg		07/13/19 16:03	07/16/19 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*136*		*71 - 155*	*07/13/19 16:03*	*07/16/19 16:13*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*	*07/13/19 16:03*	*07/16/19 16:13*	*1*
Dibromofluoromethane	*110*		*79 - 133*	*07/13/19 16:03*	*07/16/19 16:13*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/13/19 16:03*	*07/16/19 16:13*	*1*

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

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

Client Sample ID: HA30-0.5 **Lab Sample ID: 570-1583-17**
Date Collected: 07/10/19 11:46 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
1,1,2,2-Tetrachloroethane	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
1,1-Dichloroethane	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
1,1-Dichloroethene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
1,1-Dichloropropene	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
1,2,3-Trichlorobenzene	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
1,2,3-Trichloropropane	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
1,2,4-Trichlorobenzene	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
1,2,4-Trimethylbenzene	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
1,2-Dibromoethane	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
1,2-Dichloroethane	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
1,2-Dichloropropane	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
1,3,5-Trimethylbenzene	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
1,3-Dichloropropane	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
2,2-Dichloropropane	ND		5.2		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
2-Butanone	ND		21		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
1,4-Dioxane	ND		100		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
2-Chlorotoluene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
2-Hexanone	ND		21		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
4-Chlorotoluene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
4-Methyl-2-pentanone	ND		21		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Acetone	**90**		52		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Benzene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Bromobenzene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Bromochloromethane	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Bromodichloromethane	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Bromoform	ND		5.2		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Bromomethane	ND		21		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Carbon disulfide	ND		10		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Carbon tetrachloride	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Chlorobenzene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Chloroethane	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Chloroform	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Chloromethane	ND		21		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Dibromochloromethane	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Dibromomethane	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Dichlorodifluoromethane	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Ethanol	ND		520		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Ethylbenzene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

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

Client Sample ID: HA30-0.5 **Lab Sample ID: 570-1583-17**
Date Collected: 07/10/19 11:46 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Isopropylbenzene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Methylene Chloride	ND		10		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Methyl-t-Butyl Ether (MTBE)	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Naphthalene	ND		10		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
n-Butylbenzene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
N-Propylbenzene	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
o-Xylene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
m,p-Xylene	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
p-Isopropyltoluene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
sec-Butylbenzene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Styrene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
trans-1,3-Dichloropropene	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
tert-Butyl alcohol (TBA)	ND		21		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
tert-Butylbenzene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Tetrachloroethene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Toluene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Trichloroethene	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Trichlorofluoromethane	ND		10		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Vinyl acetate	ND		10		ug/Kg		07/13/19 16:03	07/16/19 16:40	1
Vinyl chloride	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*139*		*71 - 155*	*07/13/19 16:03*	*07/16/19 16:40*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*	*07/13/19 16:03*	*07/16/19 16:40*	*1*
Dibromofluoromethane	*113*		*79 - 133*	*07/13/19 16:03*	*07/16/19 16:40*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*07/13/19 16:03*	*07/16/19 16:40*	*1*

Client Sample ID: HA31-0.5 **Lab Sample ID: 570-1583-20**
Date Collected: 07/10/19 10:32 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
1,1,2,2-Tetrachloroethane	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
1,1-Dichloroethane	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
1,1-Dichloroethene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
1,1-Dichloropropene	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
1,2,3-Trichlorobenzene	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
1,2,3-Trichloropropane	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
1,2,4-Trichlorobenzene	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
1,2,4-Trimethylbenzene	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
1,2-Dibromoethane	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
1,2-Dichloroethane	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1

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

Client Sample ID: HA31-0.5 **Lab Sample ID: 570-1583-20**
Date Collected: 07/10/19 10:32 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
1,3,5-Trimethylbenzene	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
1,3-Dichloropropane	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
2,2-Dichloropropane	ND		5.2		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
2-Butanone	ND		21		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
1,4-Dioxane	ND		100		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
2-Chlorotoluene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
2-Hexanone	ND		21		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
4-Chlorotoluene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
4-Methyl-2-pentanone	ND		21		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Acetone	**170**		52		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Benzene	**2.0**		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Bromobenzene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Bromochloromethane	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Bromodichloromethane	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Bromoform	ND		5.2		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Bromomethane	ND		21		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Carbon disulfide	**23**		10		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Carbon tetrachloride	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Chlorobenzene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Chloroethane	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Chloroform	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Chloromethane	ND		21		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Dibromochloromethane	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Dibromomethane	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Dichlorodifluoromethane	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Ethanol	ND		520		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Ethylbenzene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Isopropylbenzene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Methylene Chloride	ND		10		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Methyl-t-Butyl Ether (MTBE)	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Naphthalene	ND		10		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
n-Butylbenzene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
N-Propylbenzene	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
o-Xylene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
m,p-Xylene	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
p-Isopropyltoluene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
sec-Butylbenzene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Styrene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
trans-1,3-Dichloropropene	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
tert-Butyl alcohol (TBA)	ND		21		ug/Kg		07/13/19 16:03	07/16/19 17:07	1

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

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

Client Sample ID: HA31-0.5 **Lab Sample ID: 570-1583-20**
Date Collected: 07/10/19 10:32 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Tetrachloroethene	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Toluene	**2.7**		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Trichloroethene	ND		2.1		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Trichlorofluoromethane	ND		10		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Vinyl acetate	ND		10		ug/Kg		07/13/19 16:03	07/16/19 17:07	1
Vinyl chloride	ND		1.0		ug/Kg		07/13/19 16:03	07/16/19 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*140*		*71 - 155*	*07/13/19 16:03*	*07/16/19 17:07*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*	*07/13/19 16:03*	*07/16/19 17:07*	*1*
Dibromofluoromethane	*111*		*79 - 133*	*07/13/19 16:03*	*07/16/19 17:07*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*	*07/13/19 16:03*	*07/16/19 17:07*	*1*

Client Sample ID: HA32-0.5 **Lab Sample ID: 570-1583-23**
Date Collected: 07/10/19 12:22 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
1,1,1-Trichloroethane	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
1,1,2,2-Tetrachloroethane	ND		1.4		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.2		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
1,1,2-Trichloroethane	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
1,1-Dichloroethane	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
1,1-Dichloroethene	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
1,1-Dichloropropene	ND		1.4		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
1,2,3-Trichlorobenzene	ND		1.4		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
1,2,3-Trichloropropane	ND		1.4		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
1,2,4-Trichlorobenzene	ND		1.4		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
1,2,4-Trimethylbenzene	ND		1.4		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
1,2-Dibromo-3-Chloropropane	ND		7.2		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
1,2-Dibromoethane	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
1,2-Dichlorobenzene	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
1,2-Dichloroethane	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
1,2-Dichloropropane	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
1,3,5-Trimethylbenzene	ND		1.4		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
1,3-Dichlorobenzene	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
1,3-Dichloropropane	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
1,4-Dichlorobenzene	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
2,2-Dichloropropane	ND		3.6		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
2-Butanone	ND		14		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
1,4-Dioxane	ND		72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
2-Chlorotoluene	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
2-Hexanone	ND		14		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
4-Chlorotoluene	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
4-Methyl-2-pentanone	ND		14		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Acetone	ND		36		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Benzene	**1.2**		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Bromobenzene	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Bromochloromethane	ND		1.4		ug/Kg		07/13/19 16:03	07/16/19 17:34	1

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

Client Sample ID: HA32-0.5
Date Collected: 07/10/19 12:22
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-23
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Bromoform	ND		3.6		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Bromomethane	ND		14		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
cis-1,2-Dichloroethene	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
cis-1,3-Dichloropropene	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Carbon disulfide	ND		7.2		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Carbon tetrachloride	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Chlorobenzene	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Chloroethane	ND		1.4		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Chloroform	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Chloromethane	ND		14		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Dibromochloromethane	ND		1.4		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Dibromomethane	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Dichlorodifluoromethane	ND		1.4		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Di-isopropyl ether (DIPE)	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Ethanol	ND		360		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Ethylbenzene	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Ethyl-t-butyl ether (ETBE)	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Isopropylbenzene	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Methylene Chloride	ND		7.2		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Methyl-t-Butyl Ether (MTBE)	ND		1.4		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Naphthalene	ND		7.2		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
n-Butylbenzene	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
N-Propylbenzene	ND		1.4		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
o-Xylene	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
m,p-Xylene	ND		1.4		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
p-Isopropyltoluene	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
sec-Butylbenzene	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Styrene	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
trans-1,2-Dichloroethene	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
trans-1,3-Dichloropropene	ND		1.4		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Tert-amyl-methyl ether (TAME)	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
tert-Butyl alcohol (TBA)	ND		14		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
tert-Butylbenzene	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Tetrachloroethene	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Toluene	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Trichloroethene	ND		1.4		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Trichlorofluoromethane	ND		7.2		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Vinyl acetate	ND		7.2		ug/Kg		07/13/19 16:03	07/16/19 17:34	1
Vinyl chloride	ND		0.72		ug/Kg		07/13/19 16:03	07/16/19 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*141*		*71 - 155*	*07/13/19 16:03*	*07/16/19 17:34*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*	*07/13/19 16:03*	*07/16/19 17:34*	*1*
Dibromofluoromethane	*111*		*79 - 133*	*07/13/19 16:03*	*07/16/19 17:34*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*	*07/13/19 16:03*	*07/16/19 17:34*	*1*

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

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

Client Sample ID: HA33-0.5
Date Collected: 07/10/19 12:47
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-26
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
1,1,1-Trichloroethane	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
1,1,2,2-Tetrachloroethane	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.1		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
1,1,2-Trichloroethane	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
1,1-Dichloroethane	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
1,1-Dichloroethene	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
1,1-Dichloropropene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
1,2,3-Trichlorobenzene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
1,2,3-Trichloropropane	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
1,2,4-Trichlorobenzene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
1,2,4-Trimethylbenzene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
1,2-Dibromo-3-Chloropropane	ND		8.1		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
1,2-Dibromoethane	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
1,2-Dichlorobenzene	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
1,2-Dichloroethane	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
1,2-Dichloropropane	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
1,3,5-Trimethylbenzene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
1,3-Dichlorobenzene	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
1,3-Dichloropropane	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
1,4-Dichlorobenzene	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
2,2-Dichloropropane	ND		4.1		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
2-Butanone	ND		16		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
1,4-Dioxane	ND		81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
2-Chlorotoluene	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
2-Hexanone	ND		16		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
4-Chlorotoluene	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
4-Methyl-2-pentanone	ND		16		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Acetone	ND		41		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Benzene	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Bromobenzene	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Bromochloromethane	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Bromodichloromethane	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Bromoform	ND		4.1		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Bromomethane	ND		16		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
cis-1,2-Dichloroethene	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
cis-1,3-Dichloropropene	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Carbon disulfide	ND		8.1		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Carbon tetrachloride	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Chlorobenzene	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Chloroethane	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Chloroform	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Chloromethane	ND		16		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Dibromochloromethane	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Dibromomethane	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Dichlorodifluoromethane	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Di-isopropyl ether (DIPE)	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Ethanol	ND		410		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Ethylbenzene	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1

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

Client Sample ID: HA33-0.5
Date Collected: 07/10/19 12:47
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-26
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Isopropylbenzene	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Methylene Chloride	ND		8.1		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Methyl-t-Butyl Ether (MTBE)	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Naphthalene	ND		8.1		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
n-Butylbenzene	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
N-Propylbenzene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
o-Xylene	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
m,p-Xylene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
p-Isopropyltoluene	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
sec-Butylbenzene	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Styrene	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
trans-1,2-Dichloroethene	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
trans-1,3-Dichloropropene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Tert-amyl-methyl ether (TAME)	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
tert-Butyl alcohol (TBA)	ND		16		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
tert-Butylbenzene	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Tetrachloroethene	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Toluene	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Trichloroethene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Trichlorofluoromethane	ND		8.1		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Vinyl acetate	ND		8.1		ug/Kg		07/13/19 16:03	07/16/19 18:00	1
Vinyl chloride	ND		0.81		ug/Kg		07/13/19 16:03	07/16/19 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*138*		*71 - 155*	*07/13/19 16:03*	*07/16/19 18:00*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*	*07/13/19 16:03*	*07/16/19 18:00*	*1*
Dibromofluoromethane	*111*		*79 - 133*	*07/13/19 16:03*	*07/16/19 18:00*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/13/19 16:03*	*07/16/19 18:00*	*1*

Client Sample ID: HA33-0.5 DUP
Date Collected: 07/10/19 12:47
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-29
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
1,1,1-Trichloroethane	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
1,1,2,2-Tetrachloroethane	ND		1.5		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.6		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
1,1,2-Trichloroethane	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
1,1-Dichloroethane	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
1,1-Dichloroethene	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
1,1-Dichloropropene	ND		1.5		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
1,2,3-Trichlorobenzene	ND		1.5		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
1,2,3-Trichloropropane	ND		1.5		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
1,2,4-Trichlorobenzene	ND		1.5		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
1,2,4-Trimethylbenzene	ND		1.5		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
1,2-Dibromo-3-Chloropropane	ND		7.6		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
1,2-Dibromoethane	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
1,2-Dichlorobenzene	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
1,2-Dichloroethane	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1

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

Client Sample ID: HA33-0.5 DUP **Lab Sample ID: 570-1583-29**
Date Collected: 07/10/19 12:47 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
1,3,5-Trimethylbenzene	ND		1.5		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
1,3-Dichlorobenzene	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
1,3-Dichloropropane	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
1,4-Dichlorobenzene	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
2,2-Dichloropropane	ND		3.8		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
2-Butanone	ND		15		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
1,4-Dioxane	ND		76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
2-Chlorotoluene	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
2-Hexanone	ND		15		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
4-Chlorotoluene	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
4-Methyl-2-pentanone	ND		15		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Acetone	ND		38		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Benzene	**0.80**		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Bromobenzene	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Bromochloromethane	ND		1.5		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Bromodichloromethane	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Bromoform	ND		3.8		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Bromomethane	ND		15		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
cis-1,2-Dichloroethene	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
cis-1,3-Dichloropropene	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Carbon disulfide	ND		7.6		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Carbon tetrachloride	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Chlorobenzene	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Chloroethane	ND		1.5		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Chloroform	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Chloromethane	ND		15		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Dibromochloromethane	ND		1.5		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Dibromomethane	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Dichlorodifluoromethane	ND		1.5		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Di-isopropyl ether (DIPE)	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Ethanol	ND		380		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Ethylbenzene	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Ethyl-t-butyl ether (ETBE)	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Isopropylbenzene	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Methylene Chloride	ND		7.6		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Methyl-t-Butyl Ether (MTBE)	ND		1.5		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Naphthalene	ND		7.6		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
n-Butylbenzene	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
N-Propylbenzene	ND		1.5		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
o-Xylene	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
m,p-Xylene	ND		1.5		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
p-Isopropyltoluene	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
sec-Butylbenzene	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Styrene	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
trans-1,2-Dichloroethene	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
trans-1,3-Dichloropropene	ND		1.5		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Tert-amyl-methyl ether (TAME)	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
tert-Butyl alcohol (TBA)	ND		15		ug/Kg		07/13/19 16:03	07/16/19 18:27	1

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

Client Sample ID: HA33-0.5 DUP **Lab Sample ID: 570-1583-29**
Date Collected: 07/10/19 12:47 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Tetrachloroethene	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Toluene	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Trichloroethene	ND		1.5		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Trichlorofluoromethane	ND		7.6		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Vinyl acetate	ND		7.6		ug/Kg		07/13/19 16:03	07/16/19 18:27	1
Vinyl chloride	ND		0.76		ug/Kg		07/13/19 16:03	07/16/19 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*140*		*71 - 155*	*07/13/19 16:03*	*07/16/19 18:27*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*	*07/13/19 16:03*	*07/16/19 18:27*	*1*
Dibromofluoromethane	*110*		*79 - 133*	*07/13/19 16:03*	*07/16/19 18:27*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/13/19 16:03*	*07/16/19 18:27*	*1*

Client Sample ID: HA34-0.5 **Lab Sample ID: 570-1583-30**
Date Collected: 07/10/19 10:02 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
1,1,1-Trichloroethane	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
1,1,2,2-Tetrachloroethane	ND		3.1		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		16		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
1,1,2-Trichloroethane	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
1,1-Dichloroethane	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
1,1-Dichloroethene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
1,1-Dichloropropene	ND		3.1		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
1,2,3-Trichlorobenzene	ND		3.1		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
1,2,3-Trichloropropane	ND		3.1		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
1,2,4-Trichlorobenzene	ND		3.1		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
1,2,4-Trimethylbenzene	ND		3.1		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
1,2-Dibromo-3-Chloropropane	ND		16		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
1,2-Dibromoethane	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
1,2-Dichlorobenzene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
1,2-Dichloroethane	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
1,2-Dichloropropane	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
1,3,5-Trimethylbenzene	ND		3.1		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
1,3-Dichlorobenzene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
1,3-Dichloropropane	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
1,4-Dichlorobenzene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
2,2-Dichloropropane	ND		7.8		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
2-Butanone	ND		31		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
1,4-Dioxane	ND		160		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
2-Chlorotoluene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
2-Hexanone	ND		31		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
4-Chlorotoluene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
4-Methyl-2-pentanone	ND		31		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Acetone	**140**		78		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Benzene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Bromobenzene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Bromochloromethane	ND		3.1		ug/Kg		07/13/19 16:03	07/16/19 18:54	1

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

Client Sample ID: HA34-0.5
Date Collected: 07/10/19 10:02
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-30
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Bromoform	ND		7.8		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Bromomethane	ND		31		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
cis-1,2-Dichloroethene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
cis-1,3-Dichloropropene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Carbon disulfide	ND		16		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Carbon tetrachloride	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Chlorobenzene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Chloroethane	ND		3.1		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Chloroform	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Chloromethane	ND		31		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Dibromochloromethane	ND		3.1		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Dibromomethane	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Dichlorodifluoromethane	ND		3.1		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Di-isopropyl ether (DIPE)	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Ethanol	ND		780		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Ethylbenzene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Ethyl-t-butyl ether (ETBE)	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Isopropylbenzene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Methylene Chloride	ND		16		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Methyl-t-Butyl Ether (MTBE)	ND		3.1		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Naphthalene	ND		16		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
n-Butylbenzene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
N-Propylbenzene	ND		3.1		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
o-Xylene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
m,p-Xylene	ND		3.1		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
p-Isopropyltoluene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
sec-Butylbenzene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Styrene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
trans-1,2-Dichloroethene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
trans-1,3-Dichloropropene	ND		3.1		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Tert-amyl-methyl ether (TAME)	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
tert-Butyl alcohol (TBA)	ND		31		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
tert-Butylbenzene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Tetrachloroethene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Toluene	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Trichloroethene	ND		3.1		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Trichlorofluoromethane	ND		16		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Vinyl acetate	ND		16		ug/Kg		07/13/19 16:03	07/16/19 18:54	1
Vinyl chloride	ND		1.6		ug/Kg		07/13/19 16:03	07/16/19 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*138*		*71 - 155*	*07/13/19 16:03*	*07/16/19 18:54*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*	*07/13/19 16:03*	*07/16/19 18:54*	*1*
Dibromofluoromethane	*113*		*79 - 133*	*07/13/19 16:03*	*07/16/19 18:54*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/13/19 16:03*	*07/16/19 18:54*	*1*

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

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

Client Sample ID: HA35-0.5
Date Collected: 07/10/19 09:32
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-33
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
1,1,1-Trichloroethane	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
1,1,2,2-Tetrachloroethane	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.7		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
1,1,2-Trichloroethane	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
1,1-Dichloroethane	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
1,1-Dichloroethene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
1,1-Dichloropropene	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
1,2,3-Trichlorobenzene	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
1,2,3-Trichloropropane	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
1,2,4-Trichlorobenzene	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
1,2,4-Trimethylbenzene	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
1,2-Dibromo-3-Chloropropane	ND		7.7		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
1,2-Dibromoethane	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
1,2-Dichlorobenzene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
1,2-Dichloroethane	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
1,2-Dichloropropane	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
1,3,5-Trimethylbenzene	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
1,3-Dichlorobenzene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
1,3-Dichloropropane	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
1,4-Dichlorobenzene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
2,2-Dichloropropane	ND		3.8		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
2-Butanone	ND		15		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
1,4-Dioxane	ND		77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
2-Chlorotoluene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
2-Hexanone	ND		15		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
4-Chlorotoluene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
4-Methyl-2-pentanone	ND		15		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Acetone	ND		38		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Benzene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Bromobenzene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Bromochloromethane	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Bromodichloromethane	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Bromoform	ND		3.8		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Bromomethane	ND		15		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
cis-1,2-Dichloroethene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
cis-1,3-Dichloropropene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Carbon disulfide	ND		7.7		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Carbon tetrachloride	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Chlorobenzene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Chloroethane	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Chloroform	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Chloromethane	ND		15		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Dibromochloromethane	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Dibromomethane	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Dichlorodifluoromethane	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Di-isopropyl ether (DIPE)	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Ethanol	ND		380		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Ethylbenzene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1

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

Client Sample ID: HA35-0.5 **Lab Sample ID: 570-1583-33**
Date Collected: 07/10/19 09:32 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Isopropylbenzene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Methylene Chloride	ND		7.7		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Methyl-t-Butyl Ether (MTBE)	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Naphthalene	ND		7.7		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
n-Butylbenzene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
N-Propylbenzene	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
o-Xylene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
m,p-Xylene	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
p-Isopropyltoluene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
sec-Butylbenzene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Styrene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
trans-1,2-Dichloroethene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
trans-1,3-Dichloropropene	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Tert-amyl-methyl ether (TAME)	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
tert-Butyl alcohol (TBA)	ND		15		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
tert-Butylbenzene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Tetrachloroethene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Toluene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Trichloroethene	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Trichlorofluoromethane	ND		7.7		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Vinyl acetate	ND		7.7		ug/Kg		07/13/19 16:03	07/19/19 14:23	1
Vinyl chloride	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*71 - 155*	*07/13/19 16:03*	*07/19/19 14:23*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*07/13/19 16:03*	*07/19/19 14:23*	*1*
Dibromofluoromethane	*110*		*79 - 133*	*07/13/19 16:03*	*07/19/19 14:23*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/13/19 16:03*	*07/19/19 14:23*	*1*

Client Sample ID: HA36-0.5 **Lab Sample ID: 570-1583-36**
Date Collected: 07/10/19 13:12 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
1,1,1-Trichloroethane	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
1,1,2,2-Tetrachloroethane	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.7		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
1,1,2-Trichloroethane	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
1,1-Dichloroethane	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
1,1-Dichloroethene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
1,1-Dichloropropene	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
1,2,3-Trichlorobenzene	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
1,2,3-Trichloropropane	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
1,2,4-Trichlorobenzene	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
1,2,4-Trimethylbenzene	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
1,2-Dibromo-3-Chloropropane	ND		7.7		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
1,2-Dibromoethane	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
1,2-Dichlorobenzene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
1,2-Dichloroethane	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1

Client Sample Results

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

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

Client Sample ID: HA36-0.5
Date Collected: 07/10/19 13:12
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-36
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
1,3,5-Trimethylbenzene	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
1,3-Dichlorobenzene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
1,3-Dichloropropane	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
1,4-Dichlorobenzene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
2,2-Dichloropropane	ND		3.9		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
2-Butanone	ND		15		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
1,4-Dioxane	ND		77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
2-Chlorotoluene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
2-Hexanone	ND		15		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
4-Chlorotoluene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
4-Methyl-2-pentanone	ND		15		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Acetone	ND		39		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Benzene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Bromobenzene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Bromochloromethane	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Bromodichloromethane	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Bromoform	ND		3.9		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Bromomethane	ND		15		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
cis-1,2-Dichloroethene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
cis-1,3-Dichloropropene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Carbon disulfide	ND		7.7		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Carbon tetrachloride	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Chlorobenzene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Chloroethane	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Chloroform	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Chloromethane	ND		15		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Dibromochloromethane	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Dibromomethane	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Dichlorodifluoromethane	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Di-isopropyl ether (DIPE)	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Ethanol	ND		390		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Ethylbenzene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Ethyl-t-butyl ether (ETBE)	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Isopropylbenzene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Methylene Chloride	ND		7.7		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Methyl-t-Butyl Ether (MTBE)	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Naphthalene	ND		7.7		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
n-Butylbenzene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
N-Propylbenzene	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
o-Xylene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
m,p-Xylene	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
p-Isopropyltoluene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
sec-Butylbenzene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Styrene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
trans-1,2-Dichloroethene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
trans-1,3-Dichloropropene	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Tert-amyl-methyl ether (TAME)	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
tert-Butyl alcohol (TBA)	ND		15		ug/Kg		07/13/19 16:03	07/19/19 14:49	1

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

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

Client Sample ID: HA36-0.5
Date Collected: 07/10/19 13:12
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-36
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Tetrachloroethene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Toluene	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Trichloroethene	ND		1.5		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Trichlorofluoromethane	ND		7.7		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Vinyl acetate	ND		7.7		ug/Kg		07/13/19 16:03	07/19/19 14:49	1
Vinyl chloride	ND		0.77		ug/Kg		07/13/19 16:03	07/19/19 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*71 - 155*	*07/13/19 16:03*	*07/19/19 14:49*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*07/13/19 16:03*	*07/19/19 14:49*	*1*
Dibromofluoromethane	*107*		*79 - 133*	*07/13/19 16:03*	*07/19/19 14:49*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/13/19 16:03*	*07/19/19 14:49*	*1*

Client Sample ID: HA37-0.5
Date Collected: 07/10/19 13:42
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-39
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
1,1,1-Trichloroethane	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
1,1,2,2-Tetrachloroethane	ND		1.4		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.0		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
1,1,2-Trichloroethane	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
1,1-Dichloroethane	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
1,1-Dichloroethene	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
1,1-Dichloropropene	ND		1.4		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
1,2,3-Trichlorobenzene	ND		1.4		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
1,2,3-Trichloropropane	ND		1.4		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
1,2,4-Trichlorobenzene	ND		1.4		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
1,2,4-Trimethylbenzene	ND		1.4		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
1,2-Dibromo-3-Chloropropane	ND		7.0		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
1,2-Dibromoethane	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
1,2-Dichlorobenzene	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
1,2-Dichloroethane	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
1,2-Dichloropropane	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
1,3,5-Trimethylbenzene	ND		1.4		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
1,3-Dichlorobenzene	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
1,3-Dichloropropane	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
1,4-Dichlorobenzene	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
2,2-Dichloropropane	ND		3.5		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
2-Butanone	ND		14		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
1,4-Dioxane	ND		70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
2-Chlorotoluene	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
2-Hexanone	ND		14		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
4-Chlorotoluene	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
4-Methyl-2-pentanone	ND		14		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Acetone	ND		35		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Benzene	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Bromobenzene	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Bromochloromethane	ND		1.4		ug/Kg		07/13/19 16:03	07/19/19 15:16	1

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

Client Sample ID: HA37-0.5 **Lab Sample ID: 570-1583-39**
Date Collected: 07/10/19 13:42 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Bromoform	ND		3.5		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Bromomethane	ND		14		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
cis-1,2-Dichloroethene	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
cis-1,3-Dichloropropene	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Carbon disulfide	ND		7.0		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Carbon tetrachloride	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Chlorobenzene	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Chloroethane	ND		1.4		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Chloroform	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Chloromethane	ND		14		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Dibromochloromethane	ND		1.4		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Dibromomethane	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Dichlorodifluoromethane	ND		1.4		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Di-isopropyl ether (DIPE)	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Ethanol	ND		350		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Ethylbenzene	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Ethyl-t-butyl ether (ETBE)	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Isopropylbenzene	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Methylene Chloride	ND		7.0		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Methyl-t-Butyl Ether (MTBE)	ND		1.4		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Naphthalene	ND		7.0		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
n-Butylbenzene	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
N-Propylbenzene	ND		1.4		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
o-Xylene	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
m,p-Xylene	ND		1.4		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
p-Isopropyltoluene	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
sec-Butylbenzene	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Styrene	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
trans-1,2-Dichloroethene	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
trans-1,3-Dichloropropene	ND		1.4		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Tert-amyl-methyl ether (TAME)	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
tert-Butyl alcohol (TBA)	ND		14		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
tert-Butylbenzene	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Tetrachloroethene	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Toluene	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Trichloroethene	ND		1.4		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Trichlorofluoromethane	ND		7.0		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Vinyl acetate	ND		7.0		ug/Kg		07/13/19 16:03	07/19/19 15:16	1
Vinyl chloride	ND		0.70		ug/Kg		07/13/19 16:03	07/19/19 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*71 - 155*	*07/13/19 16:03*	*07/19/19 15:16*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*	*07/13/19 16:03*	*07/19/19 15:16*	*1*
Dibromofluoromethane	*108*		*79 - 133*	*07/13/19 16:03*	*07/19/19 15:16*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/13/19 16:03*	*07/19/19 15:16*	*1*

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

Client Sample ID: EB3 **Lab Sample ID: 570-1583-42**
Date Collected: 07/10/19 16:00 **Matrix: Water**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	ug/L			07/16/19 21:47	1
1,1,1-Trichloroethane	ND		1.0	ug/L			07/16/19 21:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L			07/16/19 21:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	ug/L			07/16/19 21:47	1
1,1,2-Trichloroethane	ND		1.0	ug/L			07/16/19 21:47	1
1,1-Dichloroethane	ND		1.0	ug/L			07/16/19 21:47	1
1,1-Dichloroethene	ND		1.0	ug/L			07/16/19 21:47	1
1,1-Dichloropropene	ND		1.0	ug/L			07/16/19 21:47	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			07/16/19 21:47	1
1,2,3-Trichloropropane	ND		5.0	ug/L			07/16/19 21:47	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			07/16/19 21:47	1
1,2,4-Trimethylbenzene	ND		1.0	ug/L			07/16/19 21:47	1
1,2-Dibromo-3-Chloropropane	ND		10	ug/L			07/16/19 21:47	1
1,2-Dibromoethane	ND		1.0	ug/L			07/16/19 21:47	1
1,2-Dichlorobenzene	ND		1.0	ug/L			07/16/19 21:47	1
1,2-Dichloroethane	ND		0.50	ug/L			07/16/19 21:47	1
1,2-Dichloropropane	ND		1.0	ug/L			07/16/19 21:47	1
1,3,5-Trimethylbenzene	ND		1.0	ug/L			07/16/19 21:47	1
1,3-Dichlorobenzene	ND		1.0	ug/L			07/16/19 21:47	1
1,3-Dichloropropane	ND		1.0	ug/L			07/16/19 21:47	1
1,4-Dichlorobenzene	ND		1.0	ug/L			07/16/19 21:47	1
2,2-Dichloropropane	ND		1.0	ug/L			07/16/19 21:47	1
2-Butanone	ND		20	ug/L			07/16/19 21:47	1
1,4-Dioxane	ND		100	ug/L			07/16/19 21:47	1
2-Chlorotoluene	ND		1.0	ug/L			07/16/19 21:47	1
2-Hexanone	ND		10	ug/L			07/16/19 21:47	1
4-Chlorotoluene	ND		1.0	ug/L			07/16/19 21:47	1
4-Methyl-2-pentanone	ND		10	ug/L			07/16/19 21:47	1
Acetone	ND		20	ug/L			07/16/19 21:47	1
Benzene	ND		1.0	ug/L			07/16/19 21:47	1
Bromobenzene	ND		1.0	ug/L			07/16/19 21:47	1
Bromochloromethane	ND		2.0	ug/L			07/16/19 21:47	1
Bromodichloromethane	ND		1.0	ug/L			07/16/19 21:47	1
Bromoform	ND		5.0	ug/L			07/16/19 21:47	1
Bromomethane	ND		50	ug/L			07/16/19 21:47	1
cis-1,2-Dichloroethene	ND		1.0	ug/L			07/16/19 21:47	1
cis-1,3-Dichloropropene	ND		0.50	ug/L			07/16/19 21:47	1
Carbon disulfide	ND		10	ug/L			07/16/19 21:47	1
Carbon tetrachloride	ND		0.50	ug/L			07/16/19 21:47	1
Chlorobenzene	ND		1.0	ug/L			07/16/19 21:47	1
Chloroethane	ND		5.0	ug/L			07/16/19 21:47	1
Chloroform	ND		1.0	ug/L			07/16/19 21:47	1
Chloromethane	ND		10	ug/L			07/16/19 21:47	1
Dibromochloromethane	ND		2.0	ug/L			07/16/19 21:47	1
Dibromomethane	ND		1.0	ug/L			07/16/19 21:47	1
Dichlorodifluoromethane	ND		5.0	ug/L			07/16/19 21:47	1
Di-isopropyl ether (DIPE)	ND		2.0	ug/L			07/16/19 21:47	1
Ethanol	ND		100	ug/L			07/16/19 21:47	1
Ethylbenzene	ND		1.0	ug/L			07/16/19 21:47	1

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

Client Sample ID: EB3 **Lab Sample ID: 570-1583-42**
Date Collected: 07/10/19 16:00 **Matrix: Water**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			07/16/19 21:47	1
Isopropylbenzene	ND		1.0		ug/L			07/16/19 21:47	1
Methylene Chloride	ND		10		ug/L			07/16/19 21:47	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			07/16/19 21:47	1
Naphthalene	ND		10		ug/L			07/16/19 21:47	1
n-Butylbenzene	ND		1.0		ug/L			07/16/19 21:47	1
N-Propylbenzene	ND		1.0		ug/L			07/16/19 21:47	1
o-Xylene	ND		1.0		ug/L			07/16/19 21:47	1
m,p-Xylene	ND		2.0		ug/L			07/16/19 21:47	1
p-Isopropyltoluene	ND		1.0		ug/L			07/16/19 21:47	1
sec-Butylbenzene	ND		1.0		ug/L			07/16/19 21:47	1
Styrene	ND		1.0		ug/L			07/16/19 21:47	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			07/16/19 21:47	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			07/16/19 21:47	1
Tert-amyl-methyl ether (TAME)	ND		2.0		ug/L			07/16/19 21:47	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			07/16/19 21:47	1
tert-Butylbenzene	ND		1.0		ug/L			07/16/19 21:47	1
Tetrachloroethene	ND		1.0		ug/L			07/16/19 21:47	1
Toluene	ND		1.0		ug/L			07/16/19 21:47	1
Trichloroethene	ND		1.0		ug/L			07/16/19 21:47	1
Trichlorofluoromethane	ND		10		ug/L			07/16/19 21:47	1
Vinyl acetate	ND		10		ug/L			07/16/19 21:47	1
Vinyl chloride	ND		0.50		ug/L			07/16/19 21:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 129*		*07/16/19 21:47*	*1*
4-Bromofluorobenzene (Surr)	*94*		*77 - 120*		*07/16/19 21:47*	*1*
Dibromofluoromethane	*102*		*80 - 128*		*07/16/19 21:47*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/16/19 21:47*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: HA24-0.5
Date Collected: 07/10/19 14:02
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
1,2-Dichlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
1,3-Dichlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
1,4-Dichlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
1-Methylnaphthalene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
2,4,5-Trichlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
2,4,6-Trichlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
2,4-Dichlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
2,4-Dinitrotoluene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
2-Chlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
2-Methylnaphthalene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
2-Methylphenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
2-Nitroaniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
2-Nitrophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
3 & 4 Methylphenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
3-Nitroaniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
4-Bromophenyl phenyl ether	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
4-Chloro-3-methylphenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
4-Chloroaniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
4-Nitroaniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
4-Nitrophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Acenaphthene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Acenaphthylene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Aniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Anthracene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Azobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Benzidine	ND		5.0		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Benzoic acid	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Benzyl alcohol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Chrysene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Dibenzofuran	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA24-0.5 **Lab Sample ID: 570-1583-1**
Date Collected: 07/10/19 14:02 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Dimethyl phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Fluoranthene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Fluorene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Hexachlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Hexachloroethane	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Isophorone	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Naphthalene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Nitrobenzene	ND		2.0		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Pentachlorophenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Phenanthrene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Phenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Pyrene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
Pyridine	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*96*		*18 - 138*	*07/12/19 20:42*	*07/16/19 15:53*	*1*
2-Fluorobiphenyl (Surr)	*95*		*27 - 120*	*07/12/19 20:42*	*07/16/19 15:53*	*1*
2-Fluorophenol (Surr)	*92*		*25 - 120*	*07/12/19 20:42*	*07/16/19 15:53*	*1*
Nitrobenzene-d5 (Surr)	*84*		*33 - 123*	*07/12/19 20:42*	*07/16/19 15:53*	*1*
p-Terphenyl-d14 (Surr)	*113*		*27 - 159*	*07/12/19 20:42*	*07/16/19 15:53*	*1*
Phenol-d6 (Surr)	*95*		*26 - 122*	*07/12/19 20:42*	*07/16/19 15:53*	*1*

Client Sample ID: HA25-0.5 **Lab Sample ID: 570-1583-4**
Date Collected: 07/10/19 08:32 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:11	1
1,2-Dichlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:11	1
1,3-Dichlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:11	1
1,4-Dichlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:11	1
1-Methylnaphthalene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:11	1
2,4,5-Trichlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:11	1
2,4,6-Trichlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:11	1
2,4-Dichlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:11	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:11	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/12/19 20:42	07/16/19 16:11	1
2,4-Dinitrotoluene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:11	1
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:11	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:11	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:11	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA25-0.5 **Lab Sample ID: 570-1583-4**
Date Collected: 07/10/19 08:32 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
2-Methylnaphthalene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
2-Methylphenol	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
2-Nitroaniline	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
2-Nitrophenol	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
3,3'-Dichlorobenzidine	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
3 & 4 Methylphenol	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
3-Nitroaniline	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
4,6-Dinitro-2-methylphenol	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
4-Bromophenyl phenyl ether	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
4-Chloro-3-methylphenol	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
4-Chloroaniline	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
4-Chlorophenyl phenyl ether	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
4-Nitroaniline	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
4-Nitrophenol	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Acenaphthene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Acenaphthylene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Aniline	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Anthracene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Azobenzene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Benzidine	ND		5.0	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Benzo[a]anthracene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Benzo[a]pyrene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Benzo[b]fluoranthene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Benzo[g,h,i]perylene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Benzo[k]fluoranthene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Benzoic acid	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Benzyl alcohol	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Bis(2-chloroethoxy)methane	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Bis(2-chloroethyl)ether	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Bis(2-ethylhexyl) phthalate	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Butyl benzyl phthalate	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Chrysene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Dibenz(a,h)anthracene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Dibenzofuran	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Diethyl phthalate	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Dimethyl phthalate	**0.50**		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Di-n-butyl phthalate	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Di-n-octyl phthalate	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Fluoranthene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Fluorene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Hexachloro-1,3-butadiene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Hexachlorobenzene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Hexachlorocyclopentadiene	ND		1.5	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Hexachloroethane	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Indeno[1,2,3-cd]pyrene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Isophorone	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Naphthalene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Nitrobenzene	ND		2.0	mg/Kg		07/12/19 20:42	07/16/19 16:11	1

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA25-0.5 **Lab Sample ID: 570-1583-4**
Date Collected: 07/10/19 08:32 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:11	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:11	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Pentachlorophenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Phenanthrene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Phenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Pyrene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:11	1
Pyridine	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:11	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*18 - 138*	*07/12/19 20:42*	*07/16/19 16:11*	*1*
2-Fluorobiphenyl (Surr)	*80*		*27 - 120*	*07/12/19 20:42*	*07/16/19 16:11*	*1*
2-Fluorophenol (Surr)	*80*		*25 - 120*	*07/12/19 20:42*	*07/16/19 16:11*	*1*
Nitrobenzene-d5 (Surr)	*75*		*33 - 123*	*07/12/19 20:42*	*07/16/19 16:11*	*1*
p-Terphenyl-d14 (Surr)	*114*		*27 - 159*	*07/12/19 20:42*	*07/16/19 16:11*	*1*
Phenol-d6 (Surr)	*80*		*26 - 122*	*07/12/19 20:42*	*07/16/19 16:11*	*1*

Client Sample ID: HA26-0.5 **Lab Sample ID: 570-1583-7**
Date Collected: 07/10/19 09:02 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
1,2-Dichlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
1,3-Dichlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
1,4-Dichlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
1-Methylnaphthalene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
2,4,5-Trichlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
2,4,6-Trichlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
2,4-Dichlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
2,4-Dinitrotoluene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
2-Chlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
2-Methylnaphthalene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
2-Methylphenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
2-Nitroaniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
2-Nitrophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
3 & 4 Methylphenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
3-Nitroaniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
4-Bromophenyl phenyl ether	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
4-Chloro-3-methylphenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
4-Chloroaniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
4-Nitroaniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA26-0.5
Date Collected: 07/10/19 09:02
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Acenaphthene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Acenaphthylene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Aniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Anthracene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Azobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Benzidine	ND		5.0		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Benzoic acid	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Benzyl alcohol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Chrysene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Dibenzofuran	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Diethyl phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Dimethyl phthalate	**0.55**		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Fluoranthene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Fluorene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Hexachlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Hexachloroethane	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Isophorone	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Naphthalene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Nitrobenzene	ND		2.0		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Pentachlorophenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Phenanthrene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Phenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Pyrene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
Pyridine	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*98*		*18 - 138*	*07/12/19 20:42*	*07/16/19 16:30*	*1*
2-Fluorobiphenyl (Surr)	*95*		*27 - 120*	*07/12/19 20:42*	*07/16/19 16:30*	*1*
2-Fluorophenol (Surr)	*97*		*25 - 120*	*07/12/19 20:42*	*07/16/19 16:30*	*1*
Nitrobenzene-d5 (Surr)	*87*		*33 - 123*	*07/12/19 20:42*	*07/16/19 16:30*	*1*

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA26-0.5
Date Collected: 07/10/19 09:02
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-7
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14 (Surr)	116		27 - 159	07/12/19 20:42	07/16/19 16:30	1
Phenol-d6 (Surr)	98		26 - 122	07/12/19 20:42	07/16/19 16:30	1

Client Sample ID: HA28-0.5
Date Collected: 07/10/19 11:00
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
1,2-Dichlorobenzene	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
1,3-Dichlorobenzene	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
1,4-Dichlorobenzene	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
1-Methylnaphthalene	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
2,4,5-Trichlorophenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
2,4,6-Trichlorophenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
2,4-Dichlorophenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
2,4-Dimethylphenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
2,4-Dinitrophenol	ND		9.9		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
2,4-Dinitrotoluene	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
2,6-Dichlorophenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
2,6-Dinitrotoluene	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
2-Chloronaphthalene	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
2-Chlorophenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
2-Methylnaphthalene	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
2-Methylphenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
2-Nitroaniline	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
2-Nitrophenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
3,3'-Dichlorobenzidine	ND		12		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
3 & 4 Methylphenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
3-Nitroaniline	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
4,6-Dinitro-2-methylphenol	ND		12		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
4-Bromophenyl phenyl ether	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
4-Chloro-3-methylphenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
4-Chloroaniline	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
4-Chlorophenyl phenyl ether	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
4-Nitroaniline	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
4-Nitrophenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Acenaphthene	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Acenaphthylene	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Aniline	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Anthracene	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Azobenzene	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Benzidine	ND		25		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Benzo[a]anthracene	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Benzo[a]pyrene	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Benzo[b]fluoranthene	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Benzo[g,h,i]perylene	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Benzo[k]fluoranthene	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Benzoic acid	ND		12		mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Benzyl alcohol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 16:48	5

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA28-0.5 **Lab Sample ID: 570-1583-10**
Date Collected: 07/10/19 11:00 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Bis(2-chloroethyl)ether	ND		12	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Bis(2-ethylhexyl) phthalate	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Butyl benzyl phthalate	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Chrysene	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Dibenz(a,h)anthracene	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Dibenzofuran	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Diethyl phthalate	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Dimethyl phthalate	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Di-n-butyl phthalate	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Di-n-octyl phthalate	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Fluoranthene	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Fluorene	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Hexachloro-1,3-butadiene	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Hexachlorobenzene	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Hexachlorocyclopentadiene	ND		7.4	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Hexachloroethane	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Indeno[1,2,3-cd]pyrene	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Isophorone	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Naphthalene	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Nitrobenzene	ND		9.9	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
N-Nitrosodimethylamine	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
N-Nitrosodi-n-propylamine	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
N-Nitrosodiphenylamine	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Pentachlorophenol	ND		12	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Phenanthrene	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Phenol	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Pyrene	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
Pyridine	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5
bis (2-Chloroisopropyl) ether	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 16:48	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*18 - 138*	*07/12/19 20:42*	*07/16/19 16:48*	*5*
2-Fluorobiphenyl (Surr)	*80*		*27 - 120*	*07/12/19 20:42*	*07/16/19 16:48*	*5*
2-Fluorophenol (Surr)	*76*		*25 - 120*	*07/12/19 20:42*	*07/16/19 16:48*	*5*
Nitrobenzene-d5 (Surr)	*73*		*33 - 123*	*07/12/19 20:42*	*07/16/19 16:48*	*5*
p-Terphenyl-d14 (Surr)	*94*		*27 - 159*	*07/12/19 20:42*	*07/16/19 16:48*	*5*
Phenol-d6 (Surr)	*78*		*26 - 122*	*07/12/19 20:42*	*07/16/19 16:48*	*5*

Client Sample ID: HA28-0.5 DUP **Lab Sample ID: 570-1583-13**
Date Collected: 07/10/19 11:00 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.99	mg/Kg		07/12/19 20:42	07/16/19 17:07	2
1,2-Dichlorobenzene	ND		0.99	mg/Kg		07/12/19 20:42	07/16/19 17:07	2
1,3-Dichlorobenzene	ND		0.99	mg/Kg		07/12/19 20:42	07/16/19 17:07	2
1,4-Dichlorobenzene	ND		0.99	mg/Kg		07/12/19 20:42	07/16/19 17:07	2
1-Methylnaphthalene	ND		0.99	mg/Kg		07/12/19 20:42	07/16/19 17:07	2
2,4,5-Trichlorophenol	ND		0.99	mg/Kg		07/12/19 20:42	07/16/19 17:07	2
2,4,6-Trichlorophenol	ND		0.99	mg/Kg		07/12/19 20:42	07/16/19 17:07	2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA28-0.5 DUP **Lab Sample ID: 570-1583-13**
Date Collected: 07/10/19 11:00 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
2,4-Dimethylphenol	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
2,4-Dinitrophenol	ND		3.9		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
2,4-Dinitrotoluene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
2,6-Dichlorophenol	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
2,6-Dinitrotoluene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
2-Chloronaphthalene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
2-Chlorophenol	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
2-Methylnaphthalene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
2-Methylphenol	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
2-Nitroaniline	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
2-Nitrophenol	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
3,3'-Dichlorobenzidine	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
3 & 4 Methylphenol	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
3-Nitroaniline	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
4,6-Dinitro-2-methylphenol	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
4-Bromophenyl phenyl ether	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
4-Chloro-3-methylphenol	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
4-Chloroaniline	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
4-Chlorophenyl phenyl ether	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
4-Nitroaniline	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
4-Nitrophenol	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Acenaphthene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Acenaphthylene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Aniline	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Anthracene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Azobenzene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Benzidine	ND		9.9		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Benzo[a]anthracene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Benzo[a]pyrene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Benzo[b]fluoranthene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Benzo[g,h,i]perylene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Benzo[k]fluoranthene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Benzoic acid	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Benzyl alcohol	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Bis(2-chloroethoxy)methane	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Bis(2-chloroethyl)ether	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Bis(2-ethylhexyl) phthalate	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Butyl benzyl phthalate	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Chrysene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Dibenz(a,h)anthracene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Dibenzofuran	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Diethyl phthalate	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Dimethyl phthalate	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Di-n-butyl phthalate	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Di-n-octyl phthalate	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Fluoranthene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Fluorene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Hexachloro-1,3-butadiene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:07	2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA28-0.5 DUP **Lab Sample ID: 570-1583-13**
Date Collected: 07/10/19 11:00 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		0.99	mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Hexachlorocyclopentadiene	ND		3.0	mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Hexachloroethane	ND		0.99	mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Indeno[1,2,3-cd]pyrene	ND		0.99	mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Isophorone	ND		0.99	mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Naphthalene	ND		0.99	mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Nitrobenzene	ND		3.9	mg/Kg		07/12/19 20:42	07/16/19 17:07	2
N-Nitrosodimethylamine	ND		0.99	mg/Kg		07/12/19 20:42	07/16/19 17:07	2
N-Nitrosodi-n-propylamine	ND		0.99	mg/Kg		07/12/19 20:42	07/16/19 17:07	2
N-Nitrosodiphenylamine	ND		0.99	mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Pentachlorophenol	ND		4.9	mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Phenanthrene	ND		0.99	mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Phenol	ND		0.99	mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Pyrene	ND		0.99	mg/Kg		07/12/19 20:42	07/16/19 17:07	2
Pyridine	ND		0.99	mg/Kg		07/12/19 20:42	07/16/19 17:07	2
bis (2-Chloroisopropyl) ether	ND		0.99	mg/Kg		07/12/19 20:42	07/16/19 17:07	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*18 - 138*	*07/12/19 20:42*	*07/16/19 17:07*	*2*
2-Fluorobiphenyl (Surr)	*84*		*27 - 120*	*07/12/19 20:42*	*07/16/19 17:07*	*2*
2-Fluorophenol (Surr)	*83*		*25 - 120*	*07/12/19 20:42*	*07/16/19 17:07*	*2*
Nitrobenzene-d5 (Surr)	*77*		*33 - 123*	*07/12/19 20:42*	*07/16/19 17:07*	*2*
p-Terphenyl-d14 (Surr)	*95*		*27 - 159*	*07/12/19 20:42*	*07/16/19 17:07*	*2*
Phenol-d6 (Surr)	*83*		*26 - 122*	*07/12/19 20:42*	*07/16/19 17:07*	*2*

Client Sample ID: HA29-0.5 **Lab Sample ID: 570-1583-14**
Date Collected: 07/10/19 11:20 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
1,2-Dichlorobenzene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
1,3-Dichlorobenzene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
1,4-Dichlorobenzene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
1-Methylnaphthalene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
2,4,5-Trichlorophenol	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
2,4,6-Trichlorophenol	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
2,4-Dichlorophenol	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
2,4-Dimethylphenol	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
2,4-Dinitrophenol	ND		3.9	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
2,4-Dinitrotoluene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
2,6-Dichlorophenol	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
2,6-Dinitrotoluene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
2-Chloronaphthalene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
2-Chlorophenol	ND	F2	0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
2-Methylnaphthalene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
2-Methylphenol	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
2-Nitroaniline	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
2-Nitrophenol	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
3,3'-Dichlorobenzidine	ND		4.9	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
3 & 4 Methylphenol	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA29-0.5
Date Collected: 07/10/19 11:20
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-14
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
4,6-Dinitro-2-methylphenol	ND		4.9	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
4-Bromophenyl phenyl ether	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
4-Chloro-3-methylphenol	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
4-Chloroaniline	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
4-Chlorophenyl phenyl ether	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
4-Nitroaniline	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
4-Nitrophenol	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Acenaphthene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Acenaphthylene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Aniline	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Anthracene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Azobenzene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Benzidine	ND		9.8	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Benzo[a]anthracene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Benzo[a]pyrene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Benzo[b]fluoranthene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Benzo[g,h,i]perylene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Benzo[k]fluoranthene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Benzoic acid	ND		4.9	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Benzyl alcohol	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Bis(2-chloroethoxy)methane	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Bis(2-chloroethyl)ether	ND		4.9	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Bis(2-ethylhexyl) phthalate	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Butyl benzyl phthalate	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Chrysene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Dibenz(a,h)anthracene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Dibenzofuran	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Diethyl phthalate	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Dimethyl phthalate	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Di-n-butyl phthalate	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Di-n-octyl phthalate	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Fluoranthene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Fluorene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Hexachloro-1,3-butadiene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Hexachlorobenzene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Hexachlorocyclopentadiene	ND		2.9	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Hexachloroethane	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Indeno[1,2,3-cd]pyrene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Isophorone	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Naphthalene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Nitrobenzene	ND		3.9	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
N-Nitrosodimethylamine	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
N-Nitrosodi-n-propylamine	ND	F2	0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
N-Nitrosodiphenylamine	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Pentachlorophenol	ND	F2	4.9	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Phenanthrene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Phenol	ND	F2	0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2
Pyrene	ND		0.98	mg/Kg		07/12/19 20:42	07/16/19 15:34	2

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA29-0.5 **Lab Sample ID: 570-1583-14**
Date Collected: 07/10/19 11:20 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	ND		0.98		mg/Kg		07/12/19 20:42	07/16/19 15:34	2
bis (2-Chloroisopropyl) ether	ND		0.98		mg/Kg		07/12/19 20:42	07/16/19 15:34	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*18 - 138*	*07/12/19 20:42*	*07/16/19 15:34*	*2*
2-Fluorobiphenyl (Surr)	*81*		*27 - 120*	*07/12/19 20:42*	*07/16/19 15:34*	*2*
2-Fluorophenol (Surr)	*77*		*25 - 120*	*07/12/19 20:42*	*07/16/19 15:34*	*2*
Nitrobenzene-d5 (Surr)	*75*		*33 - 123*	*07/12/19 20:42*	*07/16/19 15:34*	*2*
p-Terphenyl-d14 (Surr)	*98*		*27 - 159*	*07/12/19 20:42*	*07/16/19 15:34*	*2*
Phenol-d6 (Surr)	*80*		*26 - 122*	*07/12/19 20:42*	*07/16/19 15:34*	*2*

Client Sample ID: HA30-0.5 **Lab Sample ID: 570-1583-17**
Date Collected: 07/10/19 11:46 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
1,2-Dichlorobenzene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
1,3-Dichlorobenzene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
1,4-Dichlorobenzene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
1-Methylnaphthalene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
2,4,5-Trichlorophenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
2,4,6-Trichlorophenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
2,4-Dichlorophenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
2,4-Dimethylphenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
2,4-Dinitrotoluene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
2,6-Dichlorophenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
2,6-Dinitrotoluene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
2-Chloronaphthalene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
2-Chlorophenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
2-Methylnaphthalene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
2-Methylphenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
2-Nitroaniline	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
2-Nitrophenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
3 & 4 Methylphenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
3-Nitroaniline	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
4-Bromophenyl phenyl ether	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
4-Chloro-3-methylphenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
4-Chloroaniline	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
4-Chlorophenyl phenyl ether	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
4-Nitroaniline	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
4-Nitrophenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Acenaphthene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Acenaphthylene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Aniline	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Anthracene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Azobenzene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Benzidine	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 17:25	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA30-0.5
Lab Sample ID: 570-1583-17
Date Collected: 07/10/19 11:46
Matrix: Solid
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Benzo[a]pyrene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Benzo[b]fluoranthene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Benzo[g,h,i]perylene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Benzo[k]fluoranthene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Benzoic acid	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Benzyl alcohol	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Bis(2-chloroethoxy)methane	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Bis(2-chloroethyl)ether	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Bis(2-ethylhexyl) phthalate	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Butyl benzyl phthalate	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Chrysene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Dibenz(a,h)anthracene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Dibenzofuran	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Diethyl phthalate	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Dimethyl phthalate	**0.49**		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Di-n-butyl phthalate	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Di-n-octyl phthalate	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Fluoranthene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Fluorene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Hexachloro-1,3-butadiene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Hexachlorobenzene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Hexachlorocyclopentadiene	ND		1.5	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Hexachloroethane	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Indeno[1,2,3-cd]pyrene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Isophorone	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Naphthalene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Nitrobenzene	ND		2.0	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
N-Nitrosodimethylamine	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
N-Nitrosodi-n-propylamine	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
N-Nitrosodiphenylamine	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Pentachlorophenol	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Phenanthrene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Phenol	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Pyrene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
Pyridine	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1
bis (2-Chloroisopropyl) ether	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*18 - 138*	*07/12/19 20:42*	*07/16/19 17:25*	*1*
2-Fluorobiphenyl (Surr)	*86*		*27 - 120*	*07/12/19 20:42*	*07/16/19 17:25*	*1*
2-Fluorophenol (Surr)	*83*		*25 - 120*	*07/12/19 20:42*	*07/16/19 17:25*	*1*
Nitrobenzene-d5 (Surr)	*76*		*33 - 123*	*07/12/19 20:42*	*07/16/19 17:25*	*1*
p-Terphenyl-d14 (Surr)	*101*		*27 - 159*	*07/12/19 20:42*	*07/16/19 17:25*	*1*
Phenol-d6 (Surr)	*83*		*26 - 122*	*07/12/19 20:42*	*07/16/19 17:25*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: HA31-0.5
Date Collected: 07/10/19 10:32
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-20
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
1,2-Dichlorobenzene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
1,3-Dichlorobenzene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
1,4-Dichlorobenzene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
1-Methylnaphthalene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
2,4,5-Trichlorophenol	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
2,4,6-Trichlorophenol	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
2,4-Dichlorophenol	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
2,4-Dimethylphenol	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
2,4-Dinitrophenol	ND		3.9		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
2,4-Dinitrotoluene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
2,6-Dichlorophenol	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
2,6-Dinitrotoluene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
2-Chloronaphthalene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
2-Chlorophenol	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
2-Methylnaphthalene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
2-Methylphenol	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
2-Nitroaniline	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
2-Nitrophenol	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
3,3'-Dichlorobenzidine	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
3 & 4 Methylphenol	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
3-Nitroaniline	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
4,6-Dinitro-2-methylphenol	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
4-Bromophenyl phenyl ether	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
4-Chloro-3-methylphenol	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
4-Chloroaniline	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
4-Chlorophenyl phenyl ether	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
4-Nitroaniline	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
4-Nitrophenol	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Acenaphthene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Acenaphthylene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Aniline	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Anthracene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Azobenzene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Benzidine	ND		9.9		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Benzo[a]anthracene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Benzo[a]pyrene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Benzo[b]fluoranthene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Benzo[g,h,i]perylene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Benzo[k]fluoranthene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Benzoic acid	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Benzyl alcohol	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Bis(2-chloroethoxy)methane	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Bis(2-chloroethyl)ether	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Bis(2-ethylhexyl) phthalate	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Butyl benzyl phthalate	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Chrysene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Dibenz(a,h)anthracene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Dibenzofuran	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA31-0.5
Date Collected: 07/10/19 10:32
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-20
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Dimethyl phthalate	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Di-n-butyl phthalate	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Di-n-octyl phthalate	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Fluoranthene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Fluorene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Hexachloro-1,3-butadiene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Hexachlorobenzene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Hexachlorocyclopentadiene	ND		3.0		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Hexachloroethane	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Indeno[1,2,3-cd]pyrene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Isophorone	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Naphthalene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Nitrobenzene	ND		3.9		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
N-Nitrosodimethylamine	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
N-Nitrosodi-n-propylamine	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
N-Nitrosodiphenylamine	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Pentachlorophenol	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Phenanthrene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Phenol	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Pyrene	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
Pyridine	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2
bis (2-Chloroisopropyl) ether	ND		0.99		mg/Kg		07/12/19 20:42	07/16/19 17:44	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*18 - 138*	*07/12/19 20:42*	*07/16/19 17:44*	*2*
2-Fluorobiphenyl (Surr)	*57*		*27 - 120*	*07/12/19 20:42*	*07/16/19 17:44*	*2*
2-Fluorophenol (Surr)	*50*		*25 - 120*	*07/12/19 20:42*	*07/16/19 17:44*	*2*
Nitrobenzene-d5 (Surr)	*50*		*33 - 123*	*07/12/19 20:42*	*07/16/19 17:44*	*2*
p-Terphenyl-d14 (Surr)	*93*		*27 - 159*	*07/12/19 20:42*	*07/16/19 17:44*	*2*
Phenol-d6 (Surr)	*54*		*26 - 122*	*07/12/19 20:42*	*07/16/19 17:44*	*2*

Client Sample ID: HA32-0.5
Date Collected: 07/10/19 12:22
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-23
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
1,2-Dichlorobenzene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
1,3-Dichlorobenzene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
1,4-Dichlorobenzene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
1-Methylnaphthalene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
2,4,5-Trichlorophenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
2,4,6-Trichlorophenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
2,4-Dichlorophenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
2,4-Dimethylphenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
2,4-Dinitrotoluene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
2,6-Dichlorophenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
2,6-Dinitrotoluene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
2-Chloronaphthalene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA32-0.5 **Lab Sample ID: 570-1583-23**
Date Collected: 07/10/19 12:22 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
2-Methylnaphthalene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
2-Methylphenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
2-Nitroaniline	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
2-Nitrophenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
3 & 4 Methylphenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
3-Nitroaniline	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
4-Bromophenyl phenyl ether	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
4-Chloro-3-methylphenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
4-Chloroaniline	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
4-Chlorophenyl phenyl ether	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
4-Nitroaniline	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
4-Nitrophenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Acenaphthene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Acenaphthylene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Aniline	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Anthracene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Azobenzene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Benzidine	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Benzo[a]anthracene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Benzo[a]pyrene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Benzo[b]fluoranthene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Benzo[g,h,i]perylene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Benzo[k]fluoranthene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Benzoic acid	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Benzyl alcohol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Bis(2-chloroethoxy)methane	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Bis(2-ethylhexyl) phthalate	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Butyl benzyl phthalate	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Chrysene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Dibenz(a,h)anthracene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Dibenzofuran	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Diethyl phthalate	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Dimethyl phthalate	**0.58**		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Di-n-butyl phthalate	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Di-n-octyl phthalate	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Fluoranthene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Fluorene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Hexachloro-1,3-butadiene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Hexachlorobenzene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Hexachloroethane	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Indeno[1,2,3-cd]pyrene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Isophorone	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Naphthalene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Nitrobenzene	ND		2.0		mg/Kg		07/12/19 20:42	07/16/19 18:02	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA32-0.5
Date Collected: 07/10/19 12:22
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-23
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
N-Nitrosodi-n-propylamine	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
N-Nitrosodiphenylamine	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Pentachlorophenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Phenanthrene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Phenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Pyrene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
Pyridine	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1
bis (2-Chloroisopropyl) ether	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*98*		*18 - 138*	*07/12/19 20:42*	*07/16/19 18:02*	*1*
2-Fluorobiphenyl (Surr)	*91*		*27 - 120*	*07/12/19 20:42*	*07/16/19 18:02*	*1*
2-Fluorophenol (Surr)	*89*		*25 - 120*	*07/12/19 20:42*	*07/16/19 18:02*	*1*
Nitrobenzene-d5 (Surr)	*82*		*33 - 123*	*07/12/19 20:42*	*07/16/19 18:02*	*1*
p-Terphenyl-d14 (Surr)	*104*		*27 - 159*	*07/12/19 20:42*	*07/16/19 18:02*	*1*
Phenol-d6 (Surr)	*89*		*26 - 122*	*07/12/19 20:42*	*07/16/19 18:02*	*1*

Client Sample ID: HA33-0.5
Date Collected: 07/10/19 12:47
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-26
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
1,2-Dichlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
1,3-Dichlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
1,4-Dichlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
1-Methylnaphthalene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
2,4,5-Trichlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
2,4,6-Trichlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
2,4-Dichlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
2,4-Dinitrotoluene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
2-Chlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
2-Methylnaphthalene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
2-Methylphenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
2-Nitroaniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
2-Nitrophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
3 & 4 Methylphenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
3-Nitroaniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
4-Bromophenyl phenyl ether	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
4-Chloro-3-methylphenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
4-Chloroaniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
4-Nitroaniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA33-0.5 **Lab Sample ID: 570-1583-26**
Date Collected: 07/10/19 12:47 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Acenaphthene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Acenaphthylene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Aniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Anthracene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Azobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Benzidine	ND		5.0		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Benzoic acid	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Benzyl alcohol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Chrysene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Dibenzofuran	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Diethyl phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Dimethyl phthalate	**0.60**		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Fluoranthene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Fluorene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Hexachlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Hexachloroethane	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Isophorone	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Naphthalene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Nitrobenzene	ND		2.0		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Pentachlorophenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Phenanthrene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Phenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Pyrene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
Pyridine	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*18 - 138*	*07/12/19 20:42*	*07/16/19 18:21*	*1*
2-Fluorobiphenyl (Surr)	*86*		*27 - 120*	*07/12/19 20:42*	*07/16/19 18:21*	*1*
2-Fluorophenol (Surr)	*83*		*25 - 120*	*07/12/19 20:42*	*07/16/19 18:21*	*1*
Nitrobenzene-d5 (Surr)	*78*		*33 - 123*	*07/12/19 20:42*	*07/16/19 18:21*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA33-0.5
Lab Sample ID: 570-1583-26
Date Collected: 07/10/19 12:47
Matrix: Solid
Date Received: 07/11/19 19:50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl-d14 (Surr)	*107*		*27 - 159*	*07/12/19 20:42*	*07/16/19 18:21*	*1*
Phenol-d6 (Surr)	*83*		*26 - 122*	*07/12/19 20:42*	*07/16/19 18:21*	*1*

Client Sample ID: HA33-0.5 DUP
Lab Sample ID: 570-1583-29
Date Collected: 07/10/19 12:47
Matrix: Solid
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
1,2-Dichlorobenzene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
1,3-Dichlorobenzene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
1,4-Dichlorobenzene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
1-Methylnaphthalene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
2,4,5-Trichlorophenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
2,4,6-Trichlorophenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
2,4-Dichlorophenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
2,4-Dimethylphenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
2,4-Dinitrophenol	ND		2.0	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
2,4-Dinitrotoluene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
2,6-Dichlorophenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
2,6-Dinitrotoluene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
2-Chloronaphthalene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
2-Chlorophenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
2-Methylnaphthalene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
2-Methylphenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
2-Nitroaniline	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
2-Nitrophenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
3,3'-Dichlorobenzidine	ND		2.5	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
3 & 4 Methylphenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
3-Nitroaniline	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
4,6-Dinitro-2-methylphenol	ND		2.5	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
4-Bromophenyl phenyl ether	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
4-Chloro-3-methylphenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
4-Chloroaniline	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
4-Chlorophenyl phenyl ether	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
4-Nitroaniline	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
4-Nitrophenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Acenaphthene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Acenaphthylene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Aniline	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Anthracene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Azobenzene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Benzidine	ND		5.0	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Benzo[a]anthracene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Benzo[a]pyrene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Benzo[b]fluoranthene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Benzo[g,h,i]perylene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Benzo[k]fluoranthene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Benzoic acid	ND		2.5	mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Benzyl alcohol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 13:27	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA33-0.5 DUP
Date Collected: 07/10/19 12:47
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-29
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Chrysene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Dibenzofuran	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Diethyl phthalate	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Dimethyl phthalate	**0.87**		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Fluoranthene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Fluorene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Hexachlorobenzene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Hexachloroethane	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Isophorone	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Naphthalene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Nitrobenzene	ND		2.0		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Pentachlorophenol	ND		2.5		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Phenanthrene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Phenol	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Pyrene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
Pyridine	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*18 - 138*	*07/16/19 20:15*	*07/18/19 13:27*	*1*
2-Fluorobiphenyl (Surr)	*89*		*27 - 120*	*07/16/19 20:15*	*07/18/19 13:27*	*1*
2-Fluorophenol (Surr)	*89*		*25 - 120*	*07/16/19 20:15*	*07/18/19 13:27*	*1*
Nitrobenzene-d5 (Surr)	*80*		*33 - 123*	*07/16/19 20:15*	*07/18/19 13:27*	*1*
p-Terphenyl-d14 (Surr)	*103*		*27 - 159*	*07/16/19 20:15*	*07/18/19 13:27*	*1*
Phenol-d6 (Surr)	*88*		*26 - 122*	*07/16/19 20:15*	*07/18/19 13:27*	*1*

Client Sample ID: HA34-0.5
Date Collected: 07/10/19 10:02
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-30
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
1,2-Dichlorobenzene	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
1,3-Dichlorobenzene	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
1,4-Dichlorobenzene	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
1-Methylnaphthalene	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
2,4,5-Trichlorophenol	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
2,4,6-Trichlorophenol	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA34-0.5
Lab Sample ID: 570-1583-30
Date Collected: 07/10/19 10:02
Matrix: Solid
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
2,4-Dimethylphenol	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
2,4-Dinitrophenol	ND		20		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
2,4-Dinitrotoluene	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
2,6-Dichlorophenol	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
2,6-Dinitrotoluene	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
2-Chloronaphthalene	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
2-Chlorophenol	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
2-Methylnaphthalene	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
2-Methylphenol	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
2-Nitroaniline	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
2-Nitrophenol	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
3,3'-Dichlorobenzidine	ND		24		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
3 & 4 Methylphenol	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
3-Nitroaniline	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
4,6-Dinitro-2-methylphenol	ND		24		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
4-Bromophenyl phenyl ether	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
4-Chloro-3-methylphenol	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
4-Chloroaniline	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
4-Chlorophenyl phenyl ether	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
4-Nitroaniline	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
4-Nitrophenol	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Acenaphthene	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Acenaphthylene	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Aniline	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Anthracene	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Azobenzene	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Benzidine	ND		49		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Benzo[a]anthracene	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Benzo[a]pyrene	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Benzo[b]fluoranthene	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Benzo[g,h,i]perylene	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Benzo[k]fluoranthene	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Benzoic acid	ND		24		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Benzyl alcohol	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Bis(2-chloroethoxy)methane	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Bis(2-chloroethyl)ether	ND		24		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Bis(2-ethylhexyl) phthalate	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Butyl benzyl phthalate	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Chrysene	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Dibenz(a,h)anthracene	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Dibenzofuran	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Diethyl phthalate	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Dimethyl phthalate	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Di-n-butyl phthalate	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Di-n-octyl phthalate	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Fluoranthene	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Fluorene	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Hexachloro-1,3-butadiene	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:39	10

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA34-0.5 **Lab Sample ID: 570-1583-30**
Date Collected: 07/10/19 10:02 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		4.9	mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Hexachlorocyclopentadiene	ND		15	mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Hexachloroethane	ND		4.9	mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Indeno[1,2,3-cd]pyrene	ND		4.9	mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Isophorone	ND		4.9	mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Naphthalene	ND		4.9	mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Nitrobenzene	ND		20	mg/Kg		07/12/19 20:42	07/16/19 18:39	10
N-Nitrosodimethylamine	ND		4.9	mg/Kg		07/12/19 20:42	07/16/19 18:39	10
N-Nitrosodi-n-propylamine	ND		4.9	mg/Kg		07/12/19 20:42	07/16/19 18:39	10
N-Nitrosodiphenylamine	ND		4.9	mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Pentachlorophenol	ND		24	mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Phenanthrene	ND		4.9	mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Phenol	ND		4.9	mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Pyrene	ND		4.9	mg/Kg		07/12/19 20:42	07/16/19 18:39	10
Pyridine	ND		4.9	mg/Kg		07/12/19 20:42	07/16/19 18:39	10
bis (2-Chloroisopropyl) ether	ND		4.9	mg/Kg		07/12/19 20:42	07/16/19 18:39	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*98*		*18 - 138*	*07/12/19 20:42*	*07/16/19 18:39*	*10*
2-Fluorobiphenyl (Surr)	*95*		*27 - 120*	*07/12/19 20:42*	*07/16/19 18:39*	*10*
2-Fluorophenol (Surr)	*84*		*25 - 120*	*07/12/19 20:42*	*07/16/19 18:39*	*10*
Nitrobenzene-d5 (Surr)	*82*		*33 - 123*	*07/12/19 20:42*	*07/16/19 18:39*	*10*
p-Terphenyl-d14 (Surr)	*113*		*27 - 159*	*07/12/19 20:42*	*07/16/19 18:39*	*10*
Phenol-d6 (Surr)	*86*		*26 - 122*	*07/12/19 20:42*	*07/16/19 18:39*	*10*

Client Sample ID: HA35-0.5 **Lab Sample ID: 570-1583-33**
Date Collected: 07/10/19 09:32 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 18:58	1
1,2-Dichlorobenzene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 18:58	1
1,3-Dichlorobenzene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 18:58	1
1,4-Dichlorobenzene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 18:58	1
1-Methylnaphthalene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 18:58	1
2,4,5-Trichlorophenol	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 18:58	1
2,4,6-Trichlorophenol	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 18:58	1
2,4-Dichlorophenol	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 18:58	1
2,4-Dimethylphenol	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 18:58	1
2,4-Dinitrophenol	ND		2.0	mg/Kg		07/12/19 20:42	07/16/19 18:58	1
2,4-Dinitrotoluene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 18:58	1
2,6-Dichlorophenol	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 18:58	1
2,6-Dinitrotoluene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 18:58	1
2-Chloronaphthalene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 18:58	1
2-Chlorophenol	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 18:58	1
2-Methylnaphthalene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 18:58	1
2-Methylphenol	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 18:58	1
2-Nitroaniline	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 18:58	1
2-Nitrophenol	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 18:58	1
3,3'-Dichlorobenzidine	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 18:58	1
3 & 4 Methylphenol	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 18:58	1

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA35-0.5
Date Collected: 07/10/19 09:32
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-33
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
4-Bromophenyl phenyl ether	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
4-Chloro-3-methylphenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
4-Chloroaniline	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
4-Chlorophenyl phenyl ether	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
4-Nitroaniline	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
4-Nitrophenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Acenaphthene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Acenaphthylene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Aniline	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Anthracene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Azobenzene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Benzidine	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Benzo[a]anthracene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Benzo[a]pyrene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Benzo[b]fluoranthene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Benzo[g,h,i]perylene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Benzo[k]fluoranthene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Benzoic acid	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Benzyl alcohol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Bis(2-chloroethoxy)methane	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Bis(2-ethylhexyl) phthalate	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Butyl benzyl phthalate	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Chrysene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Dibenz(a,h)anthracene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Dibenzofuran	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Diethyl phthalate	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Dimethyl phthalate	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Di-n-butyl phthalate	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Di-n-octyl phthalate	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Fluoranthene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Fluorene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Hexachloro-1,3-butadiene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Hexachlorobenzene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Hexachloroethane	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Indeno[1,2,3-cd]pyrene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Isophorone	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Naphthalene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Nitrobenzene	ND		2.0		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
N-Nitrosodimethylamine	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
N-Nitrosodi-n-propylamine	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
N-Nitrosodiphenylamine	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Pentachlorophenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Phenanthrene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Phenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
Pyrene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA35-0.5
Date Collected: 07/10/19 09:32
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-33
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1
bis (2-Chloroisopropyl) ether	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*18 - 138*	*07/12/19 20:42*	*07/16/19 18:58*	*1*
2-Fluorobiphenyl (Surr)	*73*		*27 - 120*	*07/12/19 20:42*	*07/16/19 18:58*	*1*
2-Fluorophenol (Surr)	*70*		*25 - 120*	*07/12/19 20:42*	*07/16/19 18:58*	*1*
Nitrobenzene-d5 (Surr)	*64*		*33 - 123*	*07/12/19 20:42*	*07/16/19 18:58*	*1*
p-Terphenyl-d14 (Surr)	*105*		*27 - 159*	*07/12/19 20:42*	*07/16/19 18:58*	*1*
Phenol-d6 (Surr)	*71*		*26 - 122*	*07/12/19 20:42*	*07/16/19 18:58*	*1*

Client Sample ID: HA36-0.5
Date Collected: 07/10/19 13:12
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-36
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
1,2-Dichlorobenzene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
1,3-Dichlorobenzene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
1,4-Dichlorobenzene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
1-Methylnaphthalene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
2,4,5-Trichlorophenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
2,4,6-Trichlorophenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
2,4-Dichlorophenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
2,4-Dimethylphenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
2,4-Dinitrotoluene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
2,6-Dichlorophenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
2,6-Dinitrotoluene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
2-Chloronaphthalene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
2-Chlorophenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
2-Methylnaphthalene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
2-Methylphenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
2-Nitroaniline	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
2-Nitrophenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
3,3'-Dichlorobenzidine	ND		2.4		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
3 & 4 Methylphenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
3-Nitroaniline	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
4,6-Dinitro-2-methylphenol	ND		2.4		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
4-Bromophenyl phenyl ether	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
4-Chloro-3-methylphenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
4-Chloroaniline	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
4-Chlorophenyl phenyl ether	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
4-Nitroaniline	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
4-Nitrophenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Acenaphthene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Acenaphthylene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Aniline	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Anthracene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Azobenzene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Benzidine	ND		4.9		mg/Kg		07/12/19 20:42	07/16/19 19:16	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA36-0.5
Date Collected: 07/10/19 13:12
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-36
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Benzo[a]pyrene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Benzo[b]fluoranthene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Benzo[g,h,i]perylene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Benzo[k]fluoranthene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Benzoic acid	ND		2.4		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Benzyl alcohol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Bis(2-chloroethoxy)methane	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Bis(2-chloroethyl)ether	ND		2.4		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Bis(2-ethylhexyl) phthalate	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Butyl benzyl phthalate	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Chrysene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Dibenz(a,h)anthracene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Dibenzofuran	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Diethyl phthalate	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Dimethyl phthalate	**0.63**		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Di-n-butyl phthalate	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Di-n-octyl phthalate	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Fluoranthene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Fluorene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Hexachloro-1,3-butadiene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Hexachlorobenzene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Hexachloroethane	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Indeno[1,2,3-cd]pyrene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Isophorone	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Naphthalene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Nitrobenzene	ND		2.0		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
N-Nitrosodimethylamine	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
N-Nitrosodi-n-propylamine	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
N-Nitrosodiphenylamine	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Pentachlorophenol	ND		2.4		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Phenanthrene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Phenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Pyrene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
Pyridine	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1
bis (2-Chloroisopropyl) ether	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*18 - 138*	*07/12/19 20:42*	*07/16/19 19:16*	*1*
2-Fluorobiphenyl (Surr)	*79*		*27 - 120*	*07/12/19 20:42*	*07/16/19 19:16*	*1*
2-Fluorophenol (Surr)	*69*		*25 - 120*	*07/12/19 20:42*	*07/16/19 19:16*	*1*
Nitrobenzene-d5 (Surr)	*65*		*33 - 123*	*07/12/19 20:42*	*07/16/19 19:16*	*1*
p-Terphenyl-d14 (Surr)	*90*		*27 - 159*	*07/12/19 20:42*	*07/16/19 19:16*	*1*
Phenol-d6 (Surr)	*70*		*26 - 122*	*07/12/19 20:42*	*07/16/19 19:16*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Client Sample ID: HA37-0.5 **Lab Sample ID: 570-1583-39**
Date Collected: 07/10/19 13:42 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
1,2-Dichlorobenzene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
1,3-Dichlorobenzene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
1,4-Dichlorobenzene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
1-Methylnaphthalene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
2,4,5-Trichlorophenol	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
2,4,6-Trichlorophenol	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
2,4-Dichlorophenol	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
2,4-Dimethylphenol	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
2,4-Dinitrophenol	ND		1.9	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
2,4-Dinitrotoluene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
2,6-Dichlorophenol	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
2,6-Dinitrotoluene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
2-Chloronaphthalene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
2-Chlorophenol	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
2-Methylnaphthalene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
2-Methylphenol	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
2-Nitroaniline	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
2-Nitrophenol	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
3,3'-Dichlorobenzidine	ND		2.4	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
3 & 4 Methylphenol	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
3-Nitroaniline	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
4,6-Dinitro-2-methylphenol	ND		2.4	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
4-Bromophenyl phenyl ether	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
4-Chloro-3-methylphenol	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
4-Chloroaniline	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
4-Chlorophenyl phenyl ether	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
4-Nitroaniline	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
4-Nitrophenol	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Acenaphthene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Acenaphthylene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Aniline	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Anthracene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Azobenzene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Benzidine	ND		4.9	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Benzo[a]anthracene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Benzo[a]pyrene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Benzo[b]fluoranthene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Benzo[g,h,i]perylene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Benzo[k]fluoranthene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Benzoic acid	ND		2.4	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Benzyl alcohol	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Bis(2-chloroethoxy)methane	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Bis(2-chloroethyl)ether	ND		2.4	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Bis(2-ethylhexyl) phthalate	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Butyl benzyl phthalate	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Chrysene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Dibenz(a,h)anthracene	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Dibenzofuran	ND		0.49	mg/Kg		07/12/19 20:42	07/16/19 19:35	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HA37-0.5 | **Lab Sample ID: 570-1583-39**
Date Collected: 07/10/19 13:42 | **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Dimethyl phthalate	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Di-n-butyl phthalate	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Di-n-octyl phthalate	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Fluoranthene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Fluorene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Hexachloro-1,3-butadiene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Hexachlorobenzene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Hexachloroethane	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Indeno[1,2,3-cd]pyrene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Isophorone	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Naphthalene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Nitrobenzene	ND		1.9		mg/Kg		07/12/19 20:42	07/16/19 19:35	1
N-Nitrosodimethylamine	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:35	1
N-Nitrosodi-n-propylamine	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:35	1
N-Nitrosodiphenylamine	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Pentachlorophenol	ND		2.4		mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Phenanthrene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Phenol	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Pyrene	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:35	1
Pyridine	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:35	1
bis (2-Chloroisopropyl) ether	ND		0.49		mg/Kg		07/12/19 20:42	07/16/19 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*18 - 138*	*07/12/19 20:42*	*07/16/19 19:35*	*1*
2-Fluorobiphenyl (Surr)	*87*		*27 - 120*	*07/12/19 20:42*	*07/16/19 19:35*	*1*
2-Fluorophenol (Surr)	*85*		*25 - 120*	*07/12/19 20:42*	*07/16/19 19:35*	*1*
Nitrobenzene-d5 (Surr)	*77*		*33 - 123*	*07/12/19 20:42*	*07/16/19 19:35*	*1*
p-Terphenyl-d14 (Surr)	*111*		*27 - 159*	*07/12/19 20:42*	*07/16/19 19:35*	*1*
Phenol-d6 (Surr)	*88*		*26 - 122*	*07/12/19 20:42*	*07/16/19 19:35*	*1*

Client Sample ID: EB3 | **Lab Sample ID: 570-1583-42**
Date Collected: 07/10/19 16:00 | **Matrix: Water**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
1,2-Dichlorobenzene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
1,3-Dichlorobenzene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
1,4-Dichlorobenzene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
1-Methylnaphthalene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
2,4,5-Trichlorophenol	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
2,4,6-Trichlorophenol	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
2,4-Dichlorophenol	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
2,4-Dimethylphenol	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
2,4-Dinitrophenol	ND		48		ug/L		07/13/19 09:41	07/15/19 20:36	1
2,4-Dinitrotoluene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
2,6-Dichlorophenol	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
2,6-Dinitrotoluene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
2-Chloronaphthalene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: EB3 **Lab Sample ID: 570-1583-42**
Date Collected: 07/10/19 16:00 **Matrix: Water**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
2-Methylnaphthalene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
2-Methylphenol	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
2-Nitroaniline	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
2-Nitrophenol	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
3,3'-Dichlorobenzidine	ND		24		ug/L		07/13/19 09:41	07/15/19 20:36	1
3 & 4 Methylphenol	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
3-Nitroaniline	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
4,6-Dinitro-2-methylphenol	ND		48		ug/L		07/13/19 09:41	07/15/19 20:36	1
4-Bromophenyl phenyl ether	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
4-Chloro-3-methylphenol	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
4-Chloroaniline	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
4-Chlorophenyl phenyl ether	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
4-Nitroaniline	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
4-Nitrophenol	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Acenaphthene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Acenaphthylene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Aniline	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Anthracene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Azobenzene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Benzidine	ND		48		ug/L		07/13/19 09:41	07/15/19 20:36	1
Benzo[a]anthracene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Benzo[a]pyrene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Benzo[b]fluoranthene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Benzo[g,h,i]perylene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Benzo[k]fluoranthene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Benzoic acid	ND		48		ug/L		07/13/19 09:41	07/15/19 20:36	1
Benzyl alcohol	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Bis(2-chloroethoxy)methane	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Bis(2-chloroethyl)ether	ND		24		ug/L		07/13/19 09:41	07/15/19 20:36	1
Bis(2-ethylhexyl) phthalate	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Butyl benzyl phthalate	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Chrysene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Dibenz(a,h)anthracene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Dibenzofuran	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Diethyl phthalate	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Dimethyl phthalate	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Di-n-butyl phthalate	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Di-n-octyl phthalate	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Fluoranthene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Fluorene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Hexachloro-1,3-butadiene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Hexachlorobenzene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Hexachlorocyclopentadiene	ND		24		ug/L		07/13/19 09:41	07/15/19 20:36	1
Hexachloroethane	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Indeno[1,2,3-cd]pyrene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Isophorone	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Naphthalene	ND		9.6		ug/L		07/13/19 09:41	07/15/19 20:36	1
Nitrobenzene	ND		24		ug/L		07/13/19 09:41	07/15/19 20:36	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: EB3 **Lab Sample ID: 570-1583-42**
Date Collected: 07/10/19 16:00 **Matrix: Water**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	ND		9.6	ug/L		07/13/19 09:41	07/15/19 20:36	1
N-Nitrosodi-n-propylamine	ND		9.6	ug/L		07/13/19 09:41	07/15/19 20:36	1
N-Nitrosodiphenylamine	ND		9.6	ug/L		07/13/19 09:41	07/15/19 20:36	1
Pentachlorophenol	ND		9.6	ug/L		07/13/19 09:41	07/15/19 20:36	1
Phenanthrene	ND		9.6	ug/L		07/13/19 09:41	07/15/19 20:36	1
Phenol	ND		9.6	ug/L		07/13/19 09:41	07/15/19 20:36	1
Pyrene	ND		9.6	ug/L		07/13/19 09:41	07/15/19 20:36	1
Pyridine	ND		9.6	ug/L		07/13/19 09:41	07/15/19 20:36	1
bis (2-Chloroisopropyl) ether	ND		9.6	ug/L		07/13/19 09:41	07/15/19 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*32 - 143*	*07/13/19 09:41*	*07/15/19 20:36*	*1*
2-Fluorobiphenyl (Surr)	*97*		*45 - 120*	*07/13/19 09:41*	*07/15/19 20:36*	*1*
2-Fluorophenol (Surr)	*65*		*15 - 138*	*07/13/19 09:41*	*07/15/19 20:36*	*1*
Nitrobenzene-d5 (Surr)	*93*		*56 - 123*	*07/13/19 09:41*	*07/15/19 20:36*	*1*
p-Terphenyl-d14 (Surr)	*103*		*46 - 133*	*07/13/19 09:41*	*07/15/19 20:36*	*1*
Phenol-d6 (Surr)	*41*		*17 - 141*	*07/13/19 09:41*	*07/15/19 20:36*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Client Sample ID: HA24-0.5
Date Collected: 07/10/19 14:02
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND	F1 F2	0.10		mg/Kg		07/13/19 13:11	07/15/19 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*48*		*42 - 126*	*07/13/19 13:11*	*07/15/19 14:16*	*1*

Client Sample ID: HA25-0.5
Date Collected: 07/10/19 08:32
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/13/19 13:11	07/15/19 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*42 - 126*	*07/13/19 13:11*	*07/15/19 15:56*	*1*

Client Sample ID: HA26-0.5
Date Collected: 07/10/19 09:02
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.098		mg/Kg		07/13/19 13:11	07/15/19 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*42 - 126*	*07/13/19 13:11*	*07/15/19 16:29*	*1*

Client Sample ID: HA28-0.5
Date Collected: 07/10/19 11:00
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/13/19 13:11	07/15/19 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*42 - 126*	*07/13/19 13:11*	*07/15/19 17:02*	*1*

Client Sample ID: HA28-0.5 DUP
Date Collected: 07/10/19 11:00
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/13/19 13:11	07/15/19 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*42 - 126*	*07/13/19 13:11*	*07/15/19 17:35*	*1*

Client Sample ID: HA29-0.5
Date Collected: 07/10/19 11:20
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-14
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/13/19 13:11	07/15/19 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*42 - 126*	*07/13/19 13:11*	*07/15/19 18:08*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Client Sample ID: HA30-0.5 **Lab Sample ID: 570-1583-17**
Date Collected: 07/10/19 11:46 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/13/19 13:11	07/15/19 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*42 - 126*	*07/13/19 13:11*	*07/15/19 18:41*	*1*

Client Sample ID: HA31-0.5 **Lab Sample ID: 570-1583-20**
Date Collected: 07/10/19 10:32 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.099		mg/Kg		07/13/19 13:11	07/15/19 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*42 - 126*	*07/13/19 13:11*	*07/15/19 19:14*	*1*

Client Sample ID: HA32-0.5 **Lab Sample ID: 570-1583-23**
Date Collected: 07/10/19 12:22 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/13/19 13:11	07/15/19 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*42 - 126*	*07/13/19 13:11*	*07/15/19 19:47*	*1*

Client Sample ID: HA33-0.5 **Lab Sample ID: 570-1583-26**
Date Collected: 07/10/19 12:47 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/13/19 13:11	07/15/19 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*42 - 126*	*07/13/19 13:11*	*07/15/19 20:20*	*1*

Client Sample ID: HA33-0.5 DUP **Lab Sample ID: 570-1583-29**
Date Collected: 07/10/19 12:47 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.098		mg/Kg		07/13/19 13:11	07/15/19 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*42 - 126*	*07/13/19 13:11*	*07/15/19 21:59*	*1*

Client Sample ID: HA34-0.5 **Lab Sample ID: 570-1583-30**
Date Collected: 07/10/19 10:02 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/13/19 13:11	07/15/19 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*42 - 126*	*07/13/19 13:11*	*07/15/19 22:33*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Client Sample ID: HA35-0.5 **Lab Sample ID: 570-1583-33**
Date Collected: 07/10/19 09:32 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/13/19 13:11	07/15/19 23:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*42 - 126*	*07/13/19 13:11*	*07/15/19 23:05*	*1*

Client Sample ID: HA36-0.5 **Lab Sample ID: 570-1583-36**
Date Collected: 07/10/19 13:12 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/13/19 13:11	07/15/19 23:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*42 - 126*	*07/13/19 13:11*	*07/15/19 23:38*	*1*

Client Sample ID: HA37-0.5 **Lab Sample ID: 570-1583-39**
Date Collected: 07/10/19 13:42 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10		mg/Kg		07/13/19 13:11	07/16/19 00:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*42 - 126*	*07/13/19 13:11*	*07/16/19 00:12*	*1*

Client Sample ID: EB3 **Lab Sample ID: 570-1583-42**
Date Collected: 07/10/19 16:00 **Matrix: Water**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		50		ug/L			07/15/19 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*38 - 134*		*07/15/19 14:12*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: HA24-0.5
Date Collected: 07/10/19 14:02
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:12	1
C13-C14	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:12	1
C15-C16	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:12	1
C17-C18	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:12	1
C19-C20	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:12	1
C21-C22	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:12	1
C23-C24	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:12	1
C25-C28	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:12	1
C29-C32	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:12	1
C33-C36	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:12	1
C37-C40	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:12	1
C41-C44	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:12	1
C9-C10	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:12	1
C6 as C6	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:12	1
C7 as C7	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:12	1
C8 as C8	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*102*		*61 - 145*	*07/16/19 11:34*	*07/17/19 00:12*	*1*

Client Sample ID: HA25-0.5
Date Collected: 07/10/19 08:32
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 00:34	1
C13-C14	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 00:34	1
C15-C16	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 00:34	1
C17-C18	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 00:34	1
C19-C20	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 00:34	1
C21-C22	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 00:34	1
C23-C24	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 00:34	1
C25-C28	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 00:34	1
C29-C32	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 00:34	1
C33-C36	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 00:34	1
C37-C40	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 00:34	1
C41-C44	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 00:34	1
C9-C10	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 00:34	1
C6 as C6	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 00:34	1
C7 as C7	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 00:34	1
C8 as C8	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*92*		*61 - 145*	*07/16/19 11:34*	*07/17/19 00:34*	*1*

Client Sample ID: HA26-0.5
Date Collected: 07/10/19 09:02
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:56	1
C13-C14	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:56	1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Client Sample ID: HA26-0.5
Date Collected: 07/10/19 09:02
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C15-C16	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:56	1
C17-C18	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:56	1
C19-C20	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:56	1
C21-C22	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:56	1
C23-C24	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:56	1
C25-C28	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:56	1
C29-C32	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:56	1
C33-C36	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:56	1
C37-C40	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:56	1
C41-C44	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:56	1
C9-C10	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:56	1
C6 as C6	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:56	1
C7 as C7	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:56	1
C8 as C8	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 00:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*90*		*61 - 145*	*07/16/19 11:34*	*07/17/19 00:56*	*1*

Client Sample ID: HA28-0.5
Date Collected: 07/10/19 11:00
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 12:27	1
C13-C14	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 12:27	1
C15-C16	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 12:27	1
C17-C18	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 12:27	1
C19-C20	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 12:27	1
C21-C22	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 12:27	1
C23-C24	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 12:27	1
C25-C28	**19**		5.0		mg/Kg		07/16/19 11:34	07/17/19 12:27	1
C29-C32	**31**		5.0		mg/Kg		07/16/19 11:34	07/17/19 12:27	1
C33-C36	**31**		5.0		mg/Kg		07/16/19 11:34	07/17/19 12:27	1
C37-C40	**20**		5.0		mg/Kg		07/16/19 11:34	07/17/19 12:27	1
C41-C44	**11**		5.0		mg/Kg		07/16/19 11:34	07/17/19 12:27	1
C9-C10	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 12:27	1
C6 as C6	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 12:27	1
C7 as C7	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 12:27	1
C8 as C8	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*104*		*61 - 145*	*07/16/19 11:34*	*07/17/19 12:27*	*1*

Client Sample ID: HA28-0.5 DUP
Date Collected: 07/10/19 11:00
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 01:39	1
C13-C14	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 01:39	1
C15-C16	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 01:39	1
C17-C18	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 01:39	1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Client Sample ID: HA28-0.5 DUP
Date Collected: 07/10/19 11:00
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C19-C20	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 01:39	1
C21-C22	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 01:39	1
C23-C24	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 01:39	1
C25-C28	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 01:39	1
C29-C32	**9.6**		5.0		mg/Kg		07/16/19 11:34	07/17/19 01:39	1
C33-C36	**9.7**		5.0		mg/Kg		07/16/19 11:34	07/17/19 01:39	1
C37-C40	**7.0**		5.0		mg/Kg		07/16/19 11:34	07/17/19 01:39	1
C41-C44	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 01:39	1
C9-C10	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 01:39	1
C6 as C6	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 01:39	1
C7 as C7	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 01:39	1
C8 as C8	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*109*		*61 - 145*	*07/16/19 11:34*	*07/17/19 01:39*	*1*

Client Sample ID: HA29-0.5
Date Collected: 07/10/19 11:20
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-14
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:22	1
C13-C14	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:22	1
C15-C16	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:22	1
C17-C18	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:22	1
C19-C20	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:22	1
C21-C22	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:22	1
C23-C24	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:22	1
C25-C28	**12**		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:22	1
C29-C32	**21**		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:22	1
C33-C36	**20**		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:22	1
C37-C40	**14**		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:22	1
C41-C44	**7.8**		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:22	1
C9-C10	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:22	1
C6 as C6	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:22	1
C7 as C7	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:22	1
C8 as C8	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*95*		*61 - 145*	*07/16/19 11:34*	*07/17/19 02:22*	*1*

Client Sample ID: HA30-0.5
Date Collected: 07/10/19 11:46
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-17
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:44	1
C13-C14	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:44	1
C15-C16	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:44	1
C17-C18	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:44	1
C19-C20	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:44	1
C21-C22	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:44	1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Client Sample ID: HA30-0.5
Date Collected: 07/10/19 11:46
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-17
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C23-C24	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:44	1
C25-C28	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:44	1
C29-C32	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:44	1
C33-C36	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:44	1
C37-C40	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:44	1
C41-C44	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:44	1
C9-C10	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:44	1
C6 as C6	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:44	1
C7 as C7	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:44	1
C8 as C8	ND		5.0		mg/Kg		07/16/19 11:34	07/17/19 02:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*95*		*61 - 145*	*07/16/19 11:34*	*07/17/19 02:44*	*1*

Client Sample ID: HA31-0.5
Date Collected: 07/10/19 10:32
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-20
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:05	1
C13-C14	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:05	1
C15-C16	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:05	1
C17-C18	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:05	1
C19-C20	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:05	1
C21-C22	**6.5**		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:05	1
C23-C24	**9.4**		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:05	1
C25-C28	**25**		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:05	1
C29-C32	**33**		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:05	1
C33-C36	**29**		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:05	1
C37-C40	**15**		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:05	1
C41-C44	**7.0**		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:05	1
C9-C10	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:05	1
C6 as C6	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:05	1
C7 as C7	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:05	1
C8 as C8	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*95*		*61 - 145*	*07/16/19 11:34*	*07/17/19 03:05*	*1*

Client Sample ID: HA32-0.5
Date Collected: 07/10/19 12:22
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-23
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:27	1
C13-C14	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:27	1
C15-C16	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:27	1
C17-C18	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:27	1
C19-C20	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:27	1
C21-C22	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:27	1
C23-C24	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:27	1
C25-C28	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:27	1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Client Sample ID: HA32-0.5
Date Collected: 07/10/19 12:22
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-23
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C29-C32	**6.5**		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:27	1
C33-C36	**6.1**		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:27	1
C37-C40	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:27	1
C41-C44	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:27	1
C9-C10	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:27	1
C6 as C6	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:27	1
C7 as C7	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:27	1
C8 as C8	ND		4.9		mg/Kg		07/16/19 11:34	07/17/19 03:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*116*		*61 - 145*	*07/16/19 11:34*	*07/17/19 03:27*	*1*

Client Sample ID: HA33-0.5
Date Collected: 07/10/19 12:47
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-26
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 03:49	1
C13-C14	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 03:49	1
C15-C16	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 03:49	1
C17-C18	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 03:49	1
C19-C20	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 03:49	1
C21-C22	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 03:49	1
C23-C24	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 03:49	1
C25-C28	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 03:49	1
C29-C32	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 03:49	1
C33-C36	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 03:49	1
C37-C40	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 03:49	1
C41-C44	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 03:49	1
C9-C10	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 03:49	1
C6 as C6	**59**		5.0		mg/Kg		07/16/19 12:07	07/17/19 03:49	1
C7 as C7	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 03:49	1
C8 as C8	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 03:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*99*		*61 - 145*	*07/16/19 12:07*	*07/17/19 03:49*	*1*

Client Sample ID: HA33-0.5 DUP
Date Collected: 07/10/19 12:47
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-29
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 04:10	1
C13-C14	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 04:10	1
C15-C16	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 04:10	1
C17-C18	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 04:10	1
C19-C20	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 04:10	1
C21-C22	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 04:10	1
C23-C24	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 04:10	1
C25-C28	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 04:10	1
C29-C32	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 04:10	1
C33-C36	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 04:10	1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Client Sample ID: HA33-0.5 DUP
Date Collected: 07/10/19 12:47
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-29
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C37-C40	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 04:10	1
C41-C44	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 04:10	1
C9-C10	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 04:10	1
C6 as C6	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 04:10	1
C7 as C7	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 04:10	1
C8 as C8	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 04:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*106*		*61 - 145*	*07/16/19 12:07*	*07/17/19 04:10*	*1*

Client Sample ID: HA34-0.5
Date Collected: 07/10/19 10:02
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-30
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 12:49	1
C13-C14	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 12:49	1
C15-C16	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 12:49	1
C17-C18	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 12:49	1
C19-C20	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 12:49	1
C21-C22	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 12:49	1
C23-C24	**52**		5.0		mg/Kg		07/16/19 12:07	07/17/19 12:49	1
C25-C28	**41**		5.0		mg/Kg		07/16/19 12:07	07/17/19 12:49	1
C29-C32	**69**		5.0		mg/Kg		07/16/19 12:07	07/17/19 12:49	1
C33-C36	**60**		5.0		mg/Kg		07/16/19 12:07	07/17/19 12:49	1
C37-C40	**36**		5.0		mg/Kg		07/16/19 12:07	07/17/19 12:49	1
C41-C44	**25**		5.0		mg/Kg		07/16/19 12:07	07/17/19 12:49	1
C9-C10	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 12:49	1
C6 as C6	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 12:49	1
C7 as C7	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 12:49	1
C8 as C8	ND		5.0		mg/Kg		07/16/19 12:07	07/17/19 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*117*		*61 - 145*	*07/16/19 12:07*	*07/17/19 12:49*	*1*

Client Sample ID: HA35-0.5
Date Collected: 07/10/19 09:32
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-33
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		4.9		mg/Kg		07/16/19 12:07	07/17/19 04:54	1
C13-C14	ND		4.9		mg/Kg		07/16/19 12:07	07/17/19 04:54	1
C15-C16	ND		4.9		mg/Kg		07/16/19 12:07	07/17/19 04:54	1
C17-C18	ND		4.9		mg/Kg		07/16/19 12:07	07/17/19 04:54	1
C19-C20	ND		4.9		mg/Kg		07/16/19 12:07	07/17/19 04:54	1
C21-C22	ND		4.9		mg/Kg		07/16/19 12:07	07/17/19 04:54	1
C23-C24	ND		4.9		mg/Kg		07/16/19 12:07	07/17/19 04:54	1
C25-C28	ND		4.9		mg/Kg		07/16/19 12:07	07/17/19 04:54	1
C29-C32	ND		4.9		mg/Kg		07/16/19 12:07	07/17/19 04:54	1
C33-C36	ND		4.9		mg/Kg		07/16/19 12:07	07/17/19 04:54	1
C37-C40	ND		4.9		mg/Kg		07/16/19 12:07	07/17/19 04:54	1
C41-C44	ND		4.9		mg/Kg		07/16/19 12:07	07/17/19 04:54	1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Client Sample ID: HA35-0.5
Date Collected: 07/10/19 09:32
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-33
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C9-C10	ND		4.9		mg/Kg		07/16/19 12:07	07/17/19 04:54	1
C6 as C6	ND		4.9		mg/Kg		07/16/19 12:07	07/17/19 04:54	1
C7 as C7	ND		4.9		mg/Kg		07/16/19 12:07	07/17/19 04:54	1
C8 as C8	ND		4.9		mg/Kg		07/16/19 12:07	07/17/19 04:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*102*		*61 - 145*	*07/16/19 12:07*	*07/17/19 04:54*	*1*

Client Sample ID: HA36-0.5
Date Collected: 07/10/19 13:12
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-36
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 05:43	1
C13-C14	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 05:43	1
C15-C16	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 05:43	1
C17-C18	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 05:43	1
C19-C20	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 05:43	1
C21-C22	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 05:43	1
C23-C24	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 05:43	1
C25-C28	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 05:43	1
C29-C32	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 05:43	1
C33-C36	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 05:43	1
C37-C40	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 05:43	1
C41-C44	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 05:43	1
C9-C10	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 05:43	1
C6 as C6	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 05:43	1
C7 as C7	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 05:43	1
C8 as C8	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 05:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*98*		*61 - 145*	*07/16/19 17:59*	*07/17/19 05:43*	*1*

Client Sample ID: HA37-0.5
Date Collected: 07/10/19 13:42
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-39
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 06:03	1
C13-C14	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 06:03	1
C15-C16	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 06:03	1
C17-C18	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 06:03	1
C19-C20	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 06:03	1
C21-C22	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 06:03	1
C23-C24	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 06:03	1
C25-C28	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 06:03	1
C29-C32	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 06:03	1
C33-C36	**7.3**		5.0		mg/Kg		07/16/19 17:59	07/17/19 06:03	1
C37-C40	**7.8**		5.0		mg/Kg		07/16/19 17:59	07/17/19 06:03	1
C41-C44	**6.0**		5.0		mg/Kg		07/16/19 17:59	07/17/19 06:03	1
C9-C10	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 06:03	1
C6 as C6	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 06:03	1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Client Sample ID: HA37-0.5
Date Collected: 07/10/19 13:42
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-39
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C7 as C7	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 06:03	1
C8 as C8	ND		5.0		mg/Kg		07/16/19 17:59	07/17/19 06:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*106*		*61 - 145*	*07/16/19 17:59*	*07/17/19 06:03*	*1*

Client Sample ID: EB3
Date Collected: 07/10/19 16:00
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-42
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		45		ug/L		07/14/19 11:42	07/18/19 03:42	1
C13-C14	ND		45		ug/L		07/14/19 11:42	07/18/19 03:42	1
C15-C16	ND		45		ug/L		07/14/19 11:42	07/18/19 03:42	1
C17-C18	ND		45		ug/L		07/14/19 11:42	07/18/19 03:42	1
C19-C20	ND		45		ug/L		07/14/19 11:42	07/18/19 03:42	1
C21-C22	ND		45		ug/L		07/14/19 11:42	07/18/19 03:42	1
C23-C24	ND		45		ug/L		07/14/19 11:42	07/18/19 03:42	1
C25-C28	ND		45		ug/L		07/14/19 11:42	07/18/19 03:42	1
C29-C32	ND		45		ug/L		07/14/19 11:42	07/18/19 03:42	1
C33-C36	ND		45		ug/L		07/14/19 11:42	07/18/19 03:42	1
C37-C40	ND		45		ug/L		07/14/19 11:42	07/18/19 03:42	1
C41-C44	ND		45		ug/L		07/14/19 11:42	07/18/19 03:42	1
C9-C10	ND		45		ug/L		07/14/19 11:42	07/18/19 03:42	1
C6 as C6	ND		45		ug/L		07/14/19 11:42	07/18/19 03:42	1
C7 as C7	ND		45		ug/L		07/14/19 11:42	07/18/19 03:42	1
C8 as C8	ND		45		ug/L		07/14/19 11:42	07/18/19 03:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*114*		*68 - 140*	*07/14/19 11:42*	*07/18/19 03:42*	*1*

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

Method: 8081A - Organochlorine Pesticides (GC)

Client Sample ID: HA24-0.5
Date Collected: 07/10/19 14:02
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-1
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:00	1
4,4'-DDE	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:00	1
4,4'-DDT	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:00	1
Aldrin	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:00	1
alpha-BHC	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:00	1
beta-BHC	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:00	1
Chlordane	ND		25	ug/Kg		07/12/19 20:20	07/18/19 09:00	1
delta-BHC	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:00	1
Dieldrin	ND		0.99	ug/Kg		07/12/19 20:20	07/18/19 09:00	1
Endosulfan I	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:00	1
Endosulfan II	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:00	1
Endosulfan sulfate	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:00	1
Endrin	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:00	1
Endrin aldehyde	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:00	1
Endrin ketone	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:00	1
gamma-BHC	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:00	1
Heptachlor	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:00	1
Heptachlor epoxide	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:00	1
Methoxychlor	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:00	1
Toxaphene	ND		25	ug/Kg		07/12/19 20:20	07/18/19 09:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*67*		*25 - 145*	*07/12/19 20:20*	*07/18/19 09:00*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*24 - 168*	*07/12/19 20:20*	*07/18/19 09:00*	*1*

Client Sample ID: HA25-0.5
Date Collected: 07/10/19 08:32
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-4
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:14	1
4,4'-DDE	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:14	1
4,4'-DDT	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:14	1
Aldrin	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:14	1
alpha-BHC	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:14	1
beta-BHC	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:14	1
Chlordane	ND		25	ug/Kg		07/12/19 20:20	07/18/19 09:14	1
delta-BHC	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:14	1
Dieldrin	ND		1.0	ug/Kg		07/12/19 20:20	07/18/19 09:14	1
Endosulfan I	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:14	1
Endosulfan II	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:14	1
Endosulfan sulfate	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:14	1
Endrin	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:14	1
Endrin aldehyde	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:14	1
Endrin ketone	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:14	1
gamma-BHC	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:14	1
Heptachlor	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:14	1
Heptachlor epoxide	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:14	1
Methoxychlor	ND		5.0	ug/Kg		07/12/19 20:20	07/18/19 09:14	1
Toxaphene	ND		25	ug/Kg		07/12/19 20:20	07/18/19 09:14	1

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*43*		*25 - 145*	*07/12/19 20:20*	*07/18/19 09:14*	*1*
DCB Decachlorobiphenyl (Surr)	*47*		*24 - 168*	*07/12/19 20:20*	*07/18/19 09:14*	*1*

Client Sample ID: HA26-0.5 **Lab Sample ID: 570-1583-7**
Date Collected: 07/10/19 09:02 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:29	1
4,4'-DDE	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:29	1
4,4'-DDT	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:29	1
Aldrin	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:29	1
alpha-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:29	1
beta-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:29	1
Chlordane	ND		25		ug/Kg		07/12/19 20:20	07/18/19 09:29	1
delta-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:29	1
Dieldrin	ND		1.0		ug/Kg		07/12/19 20:20	07/18/19 09:29	1
Endosulfan I	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:29	1
Endosulfan II	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:29	1
Endosulfan sulfate	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:29	1
Endrin	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:29	1
Endrin aldehyde	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:29	1
Endrin ketone	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:29	1
gamma-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:29	1
Heptachlor	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:29	1
Heptachlor epoxide	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:29	1
Methoxychlor	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:29	1
Toxaphene	ND		25		ug/Kg		07/12/19 20:20	07/18/19 09:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*69*		*25 - 145*	*07/12/19 20:20*	*07/18/19 09:29*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*24 - 168*	*07/12/19 20:20*	*07/18/19 09:29*	*1*

Client Sample ID: HA28-0.5 **Lab Sample ID: 570-1583-10**
Date Collected: 07/10/19 11:00 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:43	1
4,4'-DDE	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:43	1
4,4'-DDT	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:43	1
Aldrin	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:43	1
alpha-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:43	1
beta-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:43	1
Chlordane	ND		25		ug/Kg		07/12/19 20:20	07/18/19 09:43	1
delta-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:43	1
Dieldrin	ND		0.99		ug/Kg		07/12/19 20:20	07/18/19 09:43	1
Endosulfan I	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:43	1
Endosulfan II	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:43	1
Endosulfan sulfate	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:43	1
Endrin	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:43	1
Endrin aldehyde	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:43	1
Endrin ketone	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:43	1
gamma-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:43	1
Heptachlor	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:43	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: HA28-0.5
Date Collected: 07/10/19 11:00
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:43	1
Methoxychlor	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:43	1
Toxaphene	ND		25		ug/Kg		07/12/19 20:20	07/18/19 09:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*25 - 145*	*07/12/19 20:20*	*07/18/19 09:43*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*24 - 168*	*07/12/19 20:20*	*07/18/19 09:43*	*1*

Client Sample ID: HA28-0.5 DUP
Date Collected: 07/10/19 11:00
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:57	1
4,4'-DDE	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:57	1
4,4'-DDT	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:57	1
Aldrin	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:57	1
alpha-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:57	1
beta-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:57	1
Chlordane	ND		25		ug/Kg		07/12/19 20:20	07/18/19 09:57	1
delta-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:57	1
Dieldrin	ND		1.0		ug/Kg		07/12/19 20:20	07/18/19 09:57	1
Endosulfan I	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:57	1
Endosulfan II	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:57	1
Endosulfan sulfate	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:57	1
Endrin	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:57	1
Endrin aldehyde	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:57	1
Endrin ketone	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:57	1
gamma-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:57	1
Heptachlor	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:57	1
Heptachlor epoxide	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:57	1
Methoxychlor	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 09:57	1
Toxaphene	ND		25		ug/Kg		07/12/19 20:20	07/18/19 09:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*70*		*25 - 145*	*07/12/19 20:20*	*07/18/19 09:57*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*24 - 168*	*07/12/19 20:20*	*07/18/19 09:57*	*1*

Client Sample ID: HA29-0.5
Date Collected: 07/10/19 11:20
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-14
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:28	1
4,4'-DDE	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:28	1
4,4'-DDT	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:28	1
Aldrin	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:28	1
alpha-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:28	1
beta-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:28	1
Chlordane	ND		25		ug/Kg		07/12/19 20:20	07/19/19 13:28	1
delta-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:28	1
Dieldrin	ND		0.99		ug/Kg		07/12/19 20:20	07/19/19 13:28	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: HA29-0.5
Date Collected: 07/10/19 11:20
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-14
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:28	1
Endosulfan II	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:28	1
Endosulfan sulfate	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:28	1
Endrin	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:28	1
Endrin aldehyde	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:28	1
Endrin ketone	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:28	1
gamma-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:28	1
Heptachlor	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:28	1
Heptachlor epoxide	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:28	1
Methoxychlor	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:28	1
Toxaphene	ND		25		ug/Kg		07/12/19 20:20	07/19/19 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*76*		*25 - 145*	*07/12/19 20:20*	*07/19/19 13:28*	*1*
DCB Decachlorobiphenyl (Surr)	*84*		*24 - 168*	*07/12/19 20:20*	*07/19/19 13:28*	*1*

Client Sample ID: HA30-0.5
Date Collected: 07/10/19 11:46
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-17
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:42	1
4,4'-DDE	**6.6**		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:42	1
4,4'-DDT	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:42	1
Aldrin	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:42	1
alpha-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:42	1
beta-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:42	1
Chlordane	**33**	**p**	25		ug/Kg		07/12/19 20:20	07/19/19 13:42	1
delta-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:42	1
Dieldrin	**5.1**		1.0		ug/Kg		07/12/19 20:20	07/19/19 13:42	1
Endosulfan I	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:42	1
Endosulfan II	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:42	1
Endosulfan sulfate	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:42	1
Endrin	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:42	1
Endrin aldehyde	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:42	1
Endrin ketone	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:42	1
gamma-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:42	1
Heptachlor	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:42	1
Heptachlor epoxide	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:42	1
Methoxychlor	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:42	1
Toxaphene	ND		25		ug/Kg		07/12/19 20:20	07/19/19 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*71*		*25 - 145*	*07/12/19 20:20*	*07/19/19 13:42*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*24 - 168*	*07/12/19 20:20*	*07/19/19 13:42*	*1*

Client Sample ID: HA31-0.5
Date Collected: 07/10/19 10:32
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-20
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:56	1

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: HA31-0.5
Date Collected: 07/10/19 10:32
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-20
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:56	1
4,4'-DDT	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:56	1
Aldrin	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:56	1
alpha-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:56	1
beta-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:56	1
Chlordane	ND		25		ug/Kg		07/12/19 20:20	07/19/19 13:56	1
delta-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:56	1
Dieldrin	**3.5**	**p**	1.0		ug/Kg		07/12/19 20:20	07/19/19 13:56	1
Endosulfan I	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:56	1
Endosulfan II	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:56	1
Endosulfan sulfate	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:56	1
Endrin	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:56	1
Endrin aldehyde	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:56	1
Endrin ketone	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:56	1
gamma-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:56	1
Heptachlor	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:56	1
Heptachlor epoxide	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:56	1
Methoxychlor	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 13:56	1
Toxaphene	ND		25		ug/Kg		07/12/19 20:20	07/19/19 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*72*		*25 - 145*	*07/12/19 20:20*	*07/19/19 13:56*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*24 - 168*	*07/12/19 20:20*	*07/19/19 13:56*	*1*

Client Sample ID: HA32-0.5
Date Collected: 07/10/19 12:22
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-23
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9		ug/Kg		07/12/19 20:20	07/19/19 14:11	1
4,4'-DDE	ND		4.9		ug/Kg		07/12/19 20:20	07/19/19 14:11	1
4,4'-DDT	ND		4.9		ug/Kg		07/12/19 20:20	07/19/19 14:11	1
Aldrin	ND		4.9		ug/Kg		07/12/19 20:20	07/19/19 14:11	1
alpha-BHC	ND		4.9		ug/Kg		07/12/19 20:20	07/19/19 14:11	1
beta-BHC	ND		4.9		ug/Kg		07/12/19 20:20	07/19/19 14:11	1
Chlordane	ND		25		ug/Kg		07/12/19 20:20	07/19/19 14:11	1
delta-BHC	ND		4.9		ug/Kg		07/12/19 20:20	07/19/19 14:11	1
Dieldrin	ND		0.99		ug/Kg		07/12/19 20:20	07/19/19 14:11	1
Endosulfan I	ND		4.9		ug/Kg		07/12/19 20:20	07/19/19 14:11	1
Endosulfan II	ND		4.9		ug/Kg		07/12/19 20:20	07/19/19 14:11	1
Endosulfan sulfate	ND		4.9		ug/Kg		07/12/19 20:20	07/19/19 14:11	1
Endrin	ND		4.9		ug/Kg		07/12/19 20:20	07/19/19 14:11	1
Endrin aldehyde	ND		4.9		ug/Kg		07/12/19 20:20	07/19/19 14:11	1
Endrin ketone	ND		4.9		ug/Kg		07/12/19 20:20	07/19/19 14:11	1
gamma-BHC	ND		4.9		ug/Kg		07/12/19 20:20	07/19/19 14:11	1
Heptachlor	ND		4.9		ug/Kg		07/12/19 20:20	07/19/19 14:11	1
Heptachlor epoxide	ND		4.9		ug/Kg		07/12/19 20:20	07/19/19 14:11	1
Methoxychlor	ND		4.9		ug/Kg		07/12/19 20:20	07/19/19 14:11	1
Toxaphene	ND		25		ug/Kg		07/12/19 20:20	07/19/19 14:11	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*75*		*25 - 145*	*07/12/19 20:20*	*07/19/19 14:11*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*24 - 168*	*07/12/19 20:20*	*07/19/19 14:11*	*1*

Client Sample ID: HA33-0.5
Date Collected: 07/10/19 12:47
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-26
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		4.9	ug/Kg		07/12/19 20:20	07/19/19 14:25	1
4,4'-DDE	ND		4.9	ug/Kg		07/12/19 20:20	07/19/19 14:25	1
4,4'-DDT	ND		4.9	ug/Kg		07/12/19 20:20	07/19/19 14:25	1
Aldrin	ND		4.9	ug/Kg		07/12/19 20:20	07/19/19 14:25	1
alpha-BHC	ND		4.9	ug/Kg		07/12/19 20:20	07/19/19 14:25	1
beta-BHC	ND		4.9	ug/Kg		07/12/19 20:20	07/19/19 14:25	1
Chlordane	ND		25	ug/Kg		07/12/19 20:20	07/19/19 14:25	1
delta-BHC	ND		4.9	ug/Kg		07/12/19 20:20	07/19/19 14:25	1
Dieldrin	ND		0.99	ug/Kg		07/12/19 20:20	07/19/19 14:25	1
Endosulfan I	ND		4.9	ug/Kg		07/12/19 20:20	07/19/19 14:25	1
Endosulfan II	ND		4.9	ug/Kg		07/12/19 20:20	07/19/19 14:25	1
Endosulfan sulfate	ND		4.9	ug/Kg		07/12/19 20:20	07/19/19 14:25	1
Endrin	ND		4.9	ug/Kg		07/12/19 20:20	07/19/19 14:25	1
Endrin aldehyde	ND		4.9	ug/Kg		07/12/19 20:20	07/19/19 14:25	1
Endrin ketone	ND		4.9	ug/Kg		07/12/19 20:20	07/19/19 14:25	1
gamma-BHC	ND		4.9	ug/Kg		07/12/19 20:20	07/19/19 14:25	1
Heptachlor	ND		4.9	ug/Kg		07/12/19 20:20	07/19/19 14:25	1
Heptachlor epoxide	ND		4.9	ug/Kg		07/12/19 20:20	07/19/19 14:25	1
Methoxychlor	ND		4.9	ug/Kg		07/12/19 20:20	07/19/19 14:25	1
Toxaphene	ND		25	ug/Kg		07/12/19 20:20	07/19/19 14:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*71*		*25 - 145*	*07/12/19 20:20*	*07/19/19 14:25*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*24 - 168*	*07/12/19 20:20*	*07/19/19 14:25*	*1*

Client Sample ID: HA33-0.5 DUP
Date Collected: 07/10/19 12:47
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-29
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:39	1
4,4'-DDE	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:39	1
4,4'-DDT	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:39	1
Aldrin	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:39	1
alpha-BHC	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:39	1
beta-BHC	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:39	1
Chlordane	ND		25	ug/Kg		07/12/19 20:20	07/19/19 14:39	1
delta-BHC	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:39	1
Dieldrin	ND		0.99	ug/Kg		07/12/19 20:20	07/19/19 14:39	1
Endosulfan I	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:39	1
Endosulfan II	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:39	1
Endosulfan sulfate	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:39	1
Endrin	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:39	1
Endrin aldehyde	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:39	1
Endrin ketone	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:39	1
gamma-BHC	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:39	1
Heptachlor	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:39	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: HA33-0.5 DUP
Date Collected: 07/10/19 12:47
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-29
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:39	1
Methoxychlor	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:39	1
Toxaphene	ND		25	ug/Kg		07/12/19 20:20	07/19/19 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*67*		*25 - 145*	*07/12/19 20:20*	*07/19/19 14:39*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*24 - 168*	*07/12/19 20:20*	*07/19/19 14:39*	*1*

Client Sample ID: HA34-0.5
Date Collected: 07/10/19 10:02
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-30
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:53	1
4,4'-DDE	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:53	1
4,4'-DDT	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:53	1
Aldrin	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:53	1
alpha-BHC	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:53	1
beta-BHC	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:53	1
Chlordane	ND		25	ug/Kg		07/12/19 20:20	07/19/19 14:53	1
delta-BHC	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:53	1
Dieldrin	ND		1.0	ug/Kg		07/12/19 20:20	07/19/19 14:53	1
Endosulfan I	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:53	1
Endosulfan II	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:53	1
Endosulfan sulfate	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:53	1
Endrin	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:53	1
Endrin aldehyde	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:53	1
Endrin ketone	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:53	1
gamma-BHC	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:53	1
Heptachlor	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:53	1
Heptachlor epoxide	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:53	1
Methoxychlor	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 14:53	1
Toxaphene	ND		25	ug/Kg		07/12/19 20:20	07/19/19 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*70*		*25 - 145*	*07/12/19 20:20*	*07/19/19 14:53*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*24 - 168*	*07/12/19 20:20*	*07/19/19 14:53*	*1*

Client Sample ID: HA35-0.5
Date Collected: 07/10/19 09:32
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-33
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 15:07	1
4,4'-DDE	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 15:07	1
4,4'-DDT	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 15:07	1
Aldrin	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 15:07	1
alpha-BHC	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 15:07	1
beta-BHC	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 15:07	1
Chlordane	ND		25	ug/Kg		07/12/19 20:20	07/19/19 15:07	1
delta-BHC	ND		5.0	ug/Kg		07/12/19 20:20	07/19/19 15:07	1
Dieldrin	ND		1.0	ug/Kg		07/12/19 20:20	07/19/19 15:07	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: HA35-0.5 **Lab Sample ID: 570-1583-33**
Date Collected: 07/10/19 09:32 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:07	1
Endosulfan II	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:07	1
Endosulfan sulfate	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:07	1
Endrin	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:07	1
Endrin aldehyde	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:07	1
Endrin ketone	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:07	1
gamma-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:07	1
Heptachlor	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:07	1
Heptachlor epoxide	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:07	1
Methoxychlor	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:07	1
Toxaphene	ND		25		ug/Kg		07/12/19 20:20	07/19/19 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*51*		*25 - 145*	*07/12/19 20:20*	*07/19/19 15:07*	*1*
DCB Decachlorobiphenyl (Surr)	*58*		*24 - 168*	*07/12/19 20:20*	*07/19/19 15:07*	*1*

Client Sample ID: HA36-0.5 **Lab Sample ID: 570-1583-36**
Date Collected: 07/10/19 13:12 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:22	1
4,4'-DDE	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:22	1
4,4'-DDT	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:22	1
Aldrin	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:22	1
alpha-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:22	1
beta-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:22	1
Chlordane	ND		25		ug/Kg		07/12/19 20:20	07/19/19 15:22	1
delta-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:22	1
Dieldrin	ND		0.99		ug/Kg		07/12/19 20:20	07/19/19 15:22	1
Endosulfan I	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:22	1
Endosulfan II	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:22	1
Endosulfan sulfate	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:22	1
Endrin	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:22	1
Endrin aldehyde	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:22	1
Endrin ketone	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:22	1
gamma-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:22	1
Heptachlor	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:22	1
Heptachlor epoxide	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:22	1
Methoxychlor	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:22	1
Toxaphene	ND		25		ug/Kg		07/12/19 20:20	07/19/19 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*72*		*25 - 145*	*07/12/19 20:20*	*07/19/19 15:22*	*1*
DCB Decachlorobiphenyl (Surr)	*82*		*24 - 168*	*07/12/19 20:20*	*07/19/19 15:22*	*1*

Client Sample ID: HA37-0.5 **Lab Sample ID: 570-1583-39**
Date Collected: 07/10/19 13:42 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:36	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: HA37-0.5
Date Collected: 07/10/19 13:42
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-39
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:36	1
4,4'-DDT	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:36	1
Aldrin	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:36	1
alpha-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:36	1
beta-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:36	1
Chlordane	ND		25		ug/Kg		07/12/19 20:20	07/19/19 15:36	1
delta-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:36	1
Dieldrin	ND		1.0		ug/Kg		07/12/19 20:20	07/19/19 15:36	1
Endosulfan I	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:36	1
Endosulfan II	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:36	1
Endosulfan sulfate	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:36	1
Endrin	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:36	1
Endrin aldehyde	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:36	1
Endrin ketone	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:36	1
gamma-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:36	1
Heptachlor	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:36	1
Heptachlor epoxide	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:36	1
Methoxychlor	ND		5.0		ug/Kg		07/12/19 20:20	07/19/19 15:36	1
Toxaphene	ND		25		ug/Kg		07/12/19 20:20	07/19/19 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*61*		*25 - 145*	*07/12/19 20:20*	*07/19/19 15:36*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*24 - 168*	*07/12/19 20:20*	*07/19/19 15:36*	*1*

Client Sample ID: EB3
Date Collected: 07/10/19 16:00
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-42
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.048		ug/L		07/13/19 07:33	07/16/19 15:05	1
4,4'-DDE	ND		0.019		ug/L		07/13/19 07:33	07/16/19 15:05	1
4,4'-DDT	ND		0.048		ug/L		07/13/19 07:33	07/16/19 15:05	1
Aldrin	ND		0.048		ug/L		07/13/19 07:33	07/16/19 15:05	1
alpha-BHC	ND		0.019		ug/L		07/13/19 07:33	07/16/19 15:05	1
beta-BHC	ND		0.019		ug/L		07/13/19 07:33	07/16/19 15:05	1
Chlordane	ND		0.096		ug/L		07/13/19 07:33	07/16/19 15:05	1
delta-BHC	ND		0.019		ug/L		07/13/19 07:33	07/16/19 15:05	1
Dieldrin	ND		0.048		ug/L		07/13/19 07:33	07/16/19 15:05	1
Endosulfan I	ND		0.048		ug/L		07/13/19 07:33	07/16/19 15:05	1
Endosulfan II	ND		0.048		ug/L		07/13/19 07:33	07/16/19 15:05	1
Endosulfan sulfate	ND		0.048		ug/L		07/13/19 07:33	07/16/19 15:05	1
Endrin	ND		0.019		ug/L		07/13/19 07:33	07/16/19 15:05	1
Endrin aldehyde	ND		0.096		ug/L		07/13/19 07:33	07/16/19 15:05	1
Endrin ketone	ND		0.048		ug/L		07/13/19 07:33	07/16/19 15:05	1
gamma-BHC	ND		0.019		ug/L		07/13/19 07:33	07/16/19 15:05	1
Heptachlor	ND		0.019		ug/L		07/13/19 07:33	07/16/19 15:05	1
Heptachlor epoxide	ND		0.019		ug/L		07/13/19 07:33	07/16/19 15:05	1
Methoxychlor	ND		0.048		ug/L		07/13/19 07:33	07/16/19 15:05	1
Toxaphene	ND		0.29		ug/L		07/13/19 07:33	07/16/19 15:05	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	91		50 - 135	07/13/19 07:33	07/16/19 15:05	1
DCB Decachlorobiphenyl (Surr)	82		50 - 135	07/13/19 07:33	07/16/19 15:05	1

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: HA24-0.5 **Lab Sample ID: 570-1583-1**
Date Collected: 07/10/19 14:02 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50		ug/Kg		07/12/19 20:20	07/18/19 17:32	1
PCB-1221	ND		50		ug/Kg		07/12/19 20:20	07/18/19 17:32	1
PCB-1232	ND		50		ug/Kg		07/12/19 20:20	07/18/19 17:32	1
PCB-1242	ND		50		ug/Kg		07/12/19 20:20	07/18/19 17:32	1
PCB-1248	ND		50		ug/Kg		07/12/19 20:20	07/18/19 17:32	1
PCB-1254	ND		50		ug/Kg		07/12/19 20:20	07/18/19 17:32	1
PCB-1260	ND		50		ug/Kg		07/12/19 20:20	07/18/19 17:32	1
PCB-1262	ND		50		ug/Kg		07/12/19 20:20	07/18/19 17:32	1
PCB-1268	ND		50		ug/Kg		07/12/19 20:20	07/18/19 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*24 - 168*	*07/12/19 20:20*	*07/18/19 17:32*	*1*
Tetrachloro-m-xylene	*72*		*25 - 145*	*07/12/19 20:20*	*07/18/19 17:32*	*1*

Client Sample ID: HA35-0.5 **Lab Sample ID: 570-1583-33**
Date Collected: 07/10/19 09:32 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50		ug/Kg		07/12/19 20:20	07/18/19 17:50	1
PCB-1221	ND		50		ug/Kg		07/12/19 20:20	07/18/19 17:50	1
PCB-1232	ND		50		ug/Kg		07/12/19 20:20	07/18/19 17:50	1
PCB-1242	ND		50		ug/Kg		07/12/19 20:20	07/18/19 17:50	1
PCB-1248	ND		50		ug/Kg		07/12/19 20:20	07/18/19 17:50	1
PCB-1254	ND		50		ug/Kg		07/12/19 20:20	07/18/19 17:50	1
PCB-1260	ND		50		ug/Kg		07/12/19 20:20	07/18/19 17:50	1
PCB-1262	ND		50		ug/Kg		07/12/19 20:20	07/18/19 17:50	1
PCB-1268	ND		50		ug/Kg		07/12/19 20:20	07/18/19 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*63*		*24 - 168*	*07/12/19 20:20*	*07/18/19 17:50*	*1*
Tetrachloro-m-xylene	*53*		*25 - 145*	*07/12/19 20:20*	*07/18/19 17:50*	*1*

Client Sample ID: HA36-0.5 **Lab Sample ID: 570-1583-36**
Date Collected: 07/10/19 13:12 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50		ug/Kg		07/12/19 20:20	07/18/19 18:08	1
PCB-1221	ND		50		ug/Kg		07/12/19 20:20	07/18/19 18:08	1
PCB-1232	ND		50		ug/Kg		07/12/19 20:20	07/18/19 18:08	1
PCB-1242	ND		50		ug/Kg		07/12/19 20:20	07/18/19 18:08	1
PCB-1248	ND		50		ug/Kg		07/12/19 20:20	07/18/19 18:08	1
PCB-1254	ND		50		ug/Kg		07/12/19 20:20	07/18/19 18:08	1
PCB-1260	ND		50		ug/Kg		07/12/19 20:20	07/18/19 18:08	1
PCB-1262	ND		50		ug/Kg		07/12/19 20:20	07/18/19 18:08	1
PCB-1268	ND		50		ug/Kg		07/12/19 20:20	07/18/19 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*24 - 168*	*07/12/19 20:20*	*07/18/19 18:08*	*1*
Tetrachloro-m-xylene	*74*		*25 - 145*	*07/12/19 20:20*	*07/18/19 18:08*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: EB3 **Lab Sample ID: 570-1583-42**

Date Collected: 07/10/19 16:00 **Matrix: Water**

Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.48		ug/L		07/13/19 07:33	07/14/19 17:32	1
PCB-1221	ND		0.48		ug/L		07/13/19 07:33	07/14/19 17:32	1
PCB-1232	ND		0.48		ug/L		07/13/19 07:33	07/14/19 17:32	1
PCB-1242	ND		0.48		ug/L		07/13/19 07:33	07/14/19 17:32	1
PCB-1248	ND		0.48		ug/L		07/13/19 07:33	07/14/19 17:32	1
PCB-1254	ND		0.48		ug/L		07/13/19 07:33	07/14/19 17:32	1
PCB-1260	ND		0.48		ug/L		07/13/19 07:33	07/14/19 17:32	1
PCB-1262	ND		0.48		ug/L		07/13/19 07:33	07/14/19 17:32	1
PCB-1268	ND		0.48		ug/L		07/13/19 07:33	07/14/19 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*50 - 135*	*07/13/19 07:33*	*07/14/19 17:32*	*1*
Tetrachloro-m-xylene	*95*		*50 - 135*	*07/13/19 07:33*	*07/14/19 17:32*	*1*

Method: 6010B - Metals (ICP)

Client Sample ID: HA24-0.5
Date Collected: 07/10/19 14:02
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.22		0.508		mg/Kg		07/17/19 17:00	07/23/19 14:09	1

Client Sample ID: HA25-0.5
Date Collected: 07/10/19 08:32
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.48		0.508		mg/Kg		07/17/19 17:00	07/23/19 14:15	1

Client Sample ID: HA26-0.5
Date Collected: 07/10/19 09:02
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	12.8		0.505		mg/Kg		07/17/19 17:00	07/23/19 14:17	1

Client Sample ID: HA28-0.5
Date Collected: 07/10/19 11:00
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	14.3		0.515		mg/Kg		07/17/19 17:00	07/23/19 14:19	1

Client Sample ID: HA28-0.5 DUP
Date Collected: 07/10/19 11:00
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.50		0.498		mg/Kg		07/17/19 17:00	07/23/19 14:21	1

Client Sample ID: HA29-0.5
Date Collected: 07/10/19 11:20
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-14
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.80		0.478		mg/Kg		07/17/19 17:00	07/23/19 18:25	1

Client Sample ID: HA30-0.5
Date Collected: 07/10/19 11:46
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-17
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	34.6		0.483		mg/Kg		07/17/19 17:00	07/23/19 18:27	1

Client Sample ID: HA31-0.5
Date Collected: 07/10/19 10:32
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-20
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	10.4		0.481		mg/Kg		07/17/19 17:00	07/23/19 18:29	1

Client Sample ID: HA32-0.5
Date Collected: 07/10/19 12:22
Date Received: 07/11/19 19:50
Lab Sample ID: 570-1583-23
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.16		0.495		mg/Kg		07/17/19 17:00	07/23/19 18:31	1

Method: 6010B - Metals (ICP)

Client Sample ID: HA33-0.5 — **Lab Sample ID: 570-1583-26**
Date Collected: 07/10/19 12:47 — **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**2.14**		0.505		mg/Kg		07/17/19 17:00	07/23/19 18:33	1

Client Sample ID: HA33-0.5 DUP — **Lab Sample ID: 570-1583-29**
Date Collected: 07/10/19 12:47 — **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**2.21**		0.513		mg/Kg		07/17/19 17:00	07/23/19 18:35	1

Client Sample ID: HA34-0.5 — **Lab Sample ID: 570-1583-30**
Date Collected: 07/10/19 10:02 — **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**8.40**		0.518		mg/Kg		07/17/19 17:00	07/23/19 18:41	1

Client Sample ID: HA35-0.5 — **Lab Sample ID: 570-1583-33**
Date Collected: 07/10/19 09:32 — **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**2.59**		0.498		mg/Kg		07/17/19 17:00	07/23/19 18:43	1

Client Sample ID: HA36-0.5 — **Lab Sample ID: 570-1583-36**
Date Collected: 07/10/19 13:12 — **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**3.31**		0.524		mg/Kg		07/17/19 17:00	07/23/19 18:45	1

Client Sample ID: HA37-0.5 — **Lab Sample ID: 570-1583-39**
Date Collected: 07/10/19 13:42 — **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**3.30**		0.508		mg/Kg		07/17/19 17:00	07/23/19 18:47	1

Client Sample ID: EB3 — **Lab Sample ID: 570-1583-42**
Date Collected: 07/10/19 16:00 — **Matrix: Water**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0500		mg/L		07/20/19 08:00	07/24/19 21:26	1

Method: 6020 - Metals (ICP/MS)

Client Sample ID: HA24-0.5
Date Collected: 07/10/19 14:02
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-1
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		4.78	mg/Kg		07/18/19 10:00	07/23/19 22:40	100

Client Sample ID: HA25-0.5
Date Collected: 07/10/19 08:32
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-4
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.15	mg/Kg		07/18/19 10:00	07/23/19 22:51	100

Client Sample ID: HA26-0.5
Date Collected: 07/10/19 09:02
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-7
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**15.8**		4.85	mg/Kg		07/18/19 10:00	07/23/19 23:02	100

Client Sample ID: HA28-0.5
Date Collected: 07/10/19 11:00
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-10
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.91**		5.03	mg/Kg		07/18/19 10:00	07/23/19 23:05	100

Client Sample ID: HA28-0.5 DUP
Date Collected: 07/10/19 11:00
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-13
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**9.18**		5.10	mg/Kg		07/18/19 10:00	07/23/19 23:07	100

Client Sample ID: HA29-0.5
Date Collected: 07/10/19 11:20
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-14
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**9.12**		5.05	mg/Kg		07/18/19 10:00	07/24/19 12:15	100

Client Sample ID: HA30-0.5
Date Collected: 07/10/19 11:46
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-17
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**12.1**		4.85	mg/Kg		07/18/19 10:00	07/23/19 23:13	100

Client Sample ID: HA31-0.5
Date Collected: 07/10/19 10:32
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-20
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.30**		5.18	mg/Kg		07/18/19 10:00	07/24/19 12:05	100

Client Sample ID: HA32-0.5
Date Collected: 07/10/19 12:22
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-23
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.39**		5.26	mg/Kg		07/18/19 10:00	07/23/19 23:18	100

Client Sample Results

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

Method: 6020 - Metals (ICP/MS)

Client Sample ID: HA33-0.5
Date Collected: 07/10/19 12:47
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-26
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.26		mg/Kg		07/18/19 10:00	07/23/19 23:21	100

Client Sample ID: HA33-0.5 DUP
Date Collected: 07/10/19 12:47
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-29
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.24		mg/Kg		07/18/19 10:00	07/23/19 23:24	100

Client Sample ID: HA34-0.5
Date Collected: 07/10/19 10:02
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-30
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**15.7**		5.00		mg/Kg		07/18/19 10:00	07/23/19 23:26	100

Client Sample ID: HA35-0.5
Date Collected: 07/10/19 09:32
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-33
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.44**		4.85		mg/Kg		07/18/19 10:00	07/24/19 12:18	100

Client Sample ID: HA36-0.5
Date Collected: 07/10/19 13:12
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-36
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.21		mg/Kg		07/18/19 10:00	07/24/19 12:20	100

Client Sample ID: HA37-0.5
Date Collected: 07/10/19 13:42
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-39
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		4.88		mg/Kg		07/18/19 10:00	07/23/19 23:42	100

Client Sample ID: EB3
Date Collected: 07/10/19 16:00
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-42
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00100		mg/L		07/16/19 14:00	07/18/19 14:01	1

Surrogate Summary

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(71-155)	(80-120)	(79-133)	(80-120)
570-1583-1	HA24-0.5	137	105	112	101
570-1583-4	HA25-0.5	136	106	109	101
570-1583-7	HA26-0.5	96	89	96	99
570-1583-10	HA28-0.5	99	90	98	99
570-1583-13	HA28-0.5 DUP	99	90	98	100
570-1583-14	HA29-0.5	136	104	110	100
570-1583-17	HA30-0.5	139	105	113	101
570-1583-20	HA31-0.5	140	104	111	102
570-1583-23	HA32-0.5	141	107	111	102
570-1583-26	HA33-0.5	138	106	111	100
570-1583-29	HA33-0.5 DUP	140	107	110	100
570-1583-30	HA34-0.5	138	105	113	100
570-1583-33	HA35-0.5	119	99	110	100
570-1583-36	HA36-0.5	114	100	107	100
570-1583-39	HA37-0.5	115	101	108	100
LCS 570-5144/4	Lab Control Sample	99	104	101	103
LCS 570-5343/1-A	Lab Control Sample	115	106	106	101
LCS 570-6233/1-A	Lab Control Sample	103	114	106	98
LCSD 570-5144/5	Lab Control Sample Dup	99	105	101	102
LCSD 570-5343/2-A	Lab Control Sample Dup	116	106	108	100
LCSD 570-6233/2-A	Lab Control Sample Dup	99	100	103	100
MB 570-5207/1-A	Method Blank	102	91	102	103
MB 570-5209/1-A	Method Blank	107	91	107	101
MB 570-5343/3-A	Method Blank	119	105	107	100
MB 570-5345/1-A	Method Blank	113	104	103	101
MB 570-6233/3-A	Method Blank	104	99	103	99

Surrogate Legend

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

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-129)	(77-120)	(80-128)	(80-120)
570-1583-42	EB3	98	94	102	100
LCS 570-5489/4	Lab Control Sample	101	103	97	98
LCSD 570-5489/5	Lab Control Sample Dup	102	103	100	98
MB 570-5489/9	Method Blank	101	95	100	98

Surrogate Legend

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

Surrogate Summary

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL6
Lab Sample ID	Client Sample ID	(18-138)	(27-120)	(25-120)	(33-123)	(27-159)	(26-122)
570-1583-1	HA24-0.5	96	95	92	84	113	95
570-1583-4	HA25-0.5	81	80	80	75	114	80
570-1583-7	HA26-0.5	98	95	97	87	116	98
570-1583-10	HA28-0.5	82	80	76	73	94	78
570-1583-13	HA28-0.5 DUP	88	84	83	77	95	83
570-1583-14	HA29-0.5	88	81	77	75	98	80
570-1583-14 MS	HA29-0.5	108	93	89	83	115	94
570-1583-14 MSD	HA29-0.5	93	78	67	66	98	71
570-1583-17	HA30-0.5	91	86	83	76	101	83
570-1583-20	HA31-0.5	83	57	50	50	93	54
570-1583-23	HA32-0.5	98	91	89	82	104	89
570-1583-26	HA33-0.5	91	86	83	78	107	83
570-1583-29	HA33-0.5 DUP	83	89	89	80	103	88
570-1583-29 MS	HA33-0.5 DUP	84	86	84	80	103	86
570-1583-29 MSD	HA33-0.5 DUP	93	95	90	85	102	94
570-1583-30	HA34-0.5	98	95	84	82	113	86
570-1583-33	HA35-0.5	78	73	70	64	105	71
570-1583-36	HA36-0.5	77	79	69	65	90	70
570-1583-39	HA37-0.5	85	87	85	77	111	88
LCS 570-4921/2-A	Lab Control Sample	92	93	90	87	99	94
LCS 570-5599/2-A	Lab Control Sample	90	90	89	83	107	89
MB 570-4921/1-A	Method Blank	93	91	85	85	105	88
MB 570-5599/1-A	Method Blank	81	83	81	80	98	82

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL6 = Phenol-d6 (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL6
Lab Sample ID	Client Sample ID	(32-143)	(45-120)	(15-138)	(56-123)	(46-133)	(17-141)
570-1583-42	EB3	92	97	65	93	103	41
LCS 570-4949/2-A	Lab Control Sample	86	90	65	88	95	43
LCSD 570-4949/3-A	Lab Control Sample Dup	66	73	51	69	77	33
MB 570-4949/1-A	Method Blank	89	86	58	82	113	36

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL6 = Phenol-d6 (Surr)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Solid **Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (42-126)
570-1583-1	HA24-0.5	48
570-1583-1 MS	HA24-0.5	89
570-1583-1 MSD	HA24-0.5	104
570-1583-4	HA25-0.5	100
570-1583-7	HA26-0.5	99
570-1583-10	HA28-0.5	95
570-1583-13	HA28-0.5 DUP	94
570-1583-14	HA29-0.5	93
570-1583-17	HA30-0.5	91
570-1583-20	HA31-0.5	89
570-1583-23	HA32-0.5	98
570-1583-26	HA33-0.5	96
570-1583-29	HA33-0.5 DUP	95
570-1583-30	HA34-0.5	89
570-1583-33	HA35-0.5	90
570-1583-36	HA36-0.5	95
570-1583-39	HA37-0.5	97
LCS 570-5013/1-A	Lab Control Sample	109
LCSD 570-5013/2-A	Lab Control Sample Dup	111
MB 570-5013/3-A	Method Blank	90
MB 570-5180/1-A	Method Blank	93

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Water **Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (38-134)
570-1452-A-7 MS	Matrix Spike	87
570-1452-A-7 MSD	Matrix Spike Duplicate	87
570-1583-42	EB3	82
LCS 570-5143/3	Lab Control Sample	88
LCSD 570-5143/4	Lab Control Sample Dup	87
MB 570-5143/6	Method Blank	82

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (61-145)
570-1478-A-1-C MS	Matrix Spike	94
570-1478-A-1-D MSD	Matrix Spike Duplicate	95
570-1583-1	HA24-0.5	102
570-1583-4	HA25-0.5	92
570-1583-7	HA26-0.5	90

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (61-145)
570-1583-10	HA28-0.5	104
570-1583-13	HA28-0.5 DUP	109
570-1583-14	HA29-0.5	95
570-1583-17	HA30-0.5	95
570-1583-20	HA31-0.5	95
570-1583-23	HA32-0.5	116
570-1583-26	HA33-0.5	99
570-1583-29	HA33-0.5 DUP	106
570-1583-30	HA34-0.5	117
570-1583-33	HA35-0.5	102
570-1583-36	HA36-0.5	98
570-1583-39	HA37-0.5	106
570-1646-A-1-H MS	Matrix Spike	86
570-1646-A-1-I MSD	Matrix Spike Duplicate	71
LCS 570-5396/2-A	Lab Control Sample	97
LCS 570-5461/2-A	Lab Control Sample	109
MB 570-5396/1-A	Method Blank	81
MB 570-5461/1-A	Method Blank	95

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Water Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (68-140)
570-1583-42	EB3	114
LCS 570-5081/2-A	Lab Control Sample	109
LCSD 570-5081/3-A	Lab Control Sample Dup	116
MB 570-5081/1-A	Method Blank	109

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (25-145)	TCX2 (25-145)	DCB1 (24-168)	DCB2 (24-168)
570-1583-1	HA24-0.5	67	66	76	77
570-1583-4	HA25-0.5	43	41	47	46
570-1583-4 MS	HA25-0.5	61	62	78	79
570-1583-4 MSD	HA25-0.5	59	60	77	77
570-1583-7	HA26-0.5	69	68	76	81
570-1583-10	HA28-0.5	80	77	78	79
570-1583-13	HA28-0.5 DUP	70	68	77	79
570-1583-14	HA29-0.5	76	74	84	87
570-1583-17	HA30-0.5	71	68	81	108
570-1583-20	HA31-0.5	72	83	77	91

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TCX1	TCX2	DCB1	DCB2
Lab Sample ID	Client Sample ID	(25-145)	(25-145)	(24-168)	(24-168)
570-1583-23	HA32-0.5	75	73	85	90
570-1583-26	HA33-0.5	71	68	89	92
570-1583-29	HA33-0.5 DUP	67	66	76	80
570-1583-30	HA34-0.5	70	69	72	94
570-1583-33	HA35-0.5	51	49	58	59
570-1583-36	HA36-0.5	72	70	82	80
570-1583-39	HA37-0.5	61	58	80	78
LCS 570-4917/2-A	Lab Control Sample	87	85	83	83
MB 570-4917/1-A	Method Blank	85	83	77	77

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TCX1	TCX2	DCB1	DCB2
Lab Sample ID	Client Sample ID	(50-135)	(50-135)	(50-135)	(50-135)
570-1583-42	EB3	91	90	82	96
LCS 570-4936/2-A	Lab Control Sample	85	85	77	81
LCSD 570-4936/3-A	Lab Control Sample Dup	90	90	77	80
MB 570-4936/1-A	Method Blank	88	88	76	80

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX2
Lab Sample ID	Client Sample ID	(24-168)	(25-145)
570-1583-1	HA24-0.5	80	72
570-1583-1 MS	HA24-0.5	88	76
570-1583-1 MSD	HA24-0.5	92	78
570-1583-33	HA35-0.5	63	53
570-1583-36	HA36-0.5	86	74
LCS 570-4917/5-B	Lab Control Sample	88	87
MB 570-4917/1-A	Method Blank	85	86

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

Client: EFI Global, Inc.   Job ID: 570-1583-1
Project/Site: WH TAFT HS

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water   **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX2
Lab Sample ID	Client Sample ID	(50-135)	(50-135)
570-1583-42	EB3	85	95
LCS 570-4936/4-A	Lab Control Sample	77	90
LCSD 570-4936/5-A	Lab Control Sample Dup	81	94
MB 570-4936/1-A	Method Blank	75	90

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)
TCX = Tetrachloro-m-xylene

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

Lab Sample ID: LCS 570-5144/4
Matrix: Solid
Analysis Batch: 5144

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	50.0	47.51		ug/Kg		95	71 - 125
1,2-Dibromoethane	50.0	47.40		ug/Kg		95	80 - 120
1,2-Dichlorobenzene	50.0	47.80		ug/Kg		96	80 - 120
1,2-Dichloroethane	50.0	49.89		ug/Kg		100	79 - 121
1,4-Dioxane	500	454.3		ug/Kg		91	80 - 120
Benzene	50.0	46.97		ug/Kg		94	79 - 120
Carbon tetrachloride	50.0	49.31		ug/Kg		99	58 - 142
Chlorobenzene	50.0	46.13		ug/Kg		92	80 - 120
Di-isopropyl ether (DIPE)	50.0	46.61		ug/Kg		93	65 - 131
Ethanol	500	433.1	J	ug/Kg		87	32 - 158
Ethylbenzene	50.0	47.99		ug/Kg		96	57 - 153
Ethyl-t-butyl ether (ETBE)	50.0	46.70		ug/Kg		93	58 - 136
Methyl-t-Butyl Ether (MTBE)	50.0	44.28		ug/Kg		89	64 - 124
o-Xylene	50.0	48.07		ug/Kg		96	79 - 127
m,p-Xylene	100	96.92		ug/Kg		97	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*71 - 155*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane	*101*		*79 - 133*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: LCSD 570-5144/5
Matrix: Solid
Analysis Batch: 5144

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	50.0	46.71		ug/Kg		93	71 - 125	2	20
1,2-Dibromoethane	50.0	47.95		ug/Kg		96	80 - 120	1	20
1,2-Dichlorobenzene	50.0	47.76		ug/Kg		96	80 - 120	0	20
1,2-Dichloroethane	50.0	49.77		ug/Kg		100	79 - 121	0	20
1,4-Dioxane	500	476.5		ug/Kg		95	80 - 120	5	20
Benzene	50.0	46.38		ug/Kg		93	79 - 120	1	20
Carbon tetrachloride	50.0	48.72		ug/Kg		97	58 - 142	1	20
Chlorobenzene	50.0	45.65		ug/Kg		91	80 - 120	1	20
Di-isopropyl ether (DIPE)	50.0	46.21		ug/Kg		92	65 - 131	1	20
Ethanol	500	417.7	J	ug/Kg		84	32 - 158	4	27
Ethylbenzene	50.0	47.58		ug/Kg		95	57 - 153	1	20
Ethyl-t-butyl ether (ETBE)	50.0	45.72		ug/Kg		91	58 - 136	2	20
Methyl-t-Butyl Ether (MTBE)	50.0	44.27		ug/Kg		89	64 - 124	0	20
o-Xylene	50.0	47.23		ug/Kg		94	79 - 127	2	20
m,p-Xylene	100	95.63		ug/Kg		96	80 - 122	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*71 - 155*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*
Dibromofluoromethane	*101*		*79 - 133*
Toluene-d8 (Surr)	*102*		*80 - 120*

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

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

Lab Sample ID: MB 570-5207/1-A
Matrix: Solid
Analysis Batch: 5144

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5207

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1,1-Trichloroethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1,2,2-Tetrachloroethane	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1,2-Trichloroethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1-Dichloroethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1-Dichloroethene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1-Dichloropropene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2,3-Trichlorobenzene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2,3-Trichloropropane	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2,4-Trichlorobenzene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2,4-Trimethylbenzene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2-Dibromo-3-Chloropropane	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2-Dibromoethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2-Dichlorobenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2-Dichloroethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2-Dichloropropane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,3,5-Trimethylbenzene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,3-Dichlorobenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,3-Dichloropropane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,4-Dichlorobenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
2,2-Dichloropropane	ND		510		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
2-Butanone	ND		2000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,4-Dioxane	ND		10000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
2-Chlorotoluene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
2-Hexanone	ND		2000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
4-Chlorotoluene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
4-Methyl-2-pentanone	ND		2000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Acetone	ND		5100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Benzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Bromobenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Bromochloromethane	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Bromodichloromethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Bromoform	ND		510		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Bromomethane	ND		2000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
cis-1,2-Dichloroethene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
cis-1,3-Dichloropropene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Carbon disulfide	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Carbon tetrachloride	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Chlorobenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Chloroethane	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Chloroform	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Chloromethane	ND		2000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Dibromochloromethane	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Dibromomethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Dichlorodifluoromethane	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Di-isopropyl ether (DIPE)	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Ethanol	ND		51000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50

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

Lab Sample ID: MB 570-5207/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5144 **Prep Batch: 5207**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Ethyl-t-butyl ether (ETBE)	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Isopropylbenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Methylene Chloride	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Methyl-t-Butyl Ether (MTBE)	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Naphthalene	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
n-Butylbenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
N-Propylbenzene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
o-Xylene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
m,p-Xylene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
p-Isopropyltoluene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
sec-Butylbenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Styrene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
trans-1,2-Dichloroethene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
trans-1,3-Dichloropropene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Tert-amyl-methyl ether (TAME)	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
tert-Butyl alcohol (TBA)	ND		2000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
tert-Butylbenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Tetrachloroethene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Toluene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Trichloroethene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Trichlorofluoromethane	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Vinyl acetate	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Vinyl chloride	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*71 - 155*	*07/15/19 09:30*	*07/15/19 14:34*	*50*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*	*07/15/19 09:30*	*07/15/19 14:34*	*50*
Dibromofluoromethane	*102*		*79 - 133*	*07/15/19 09:30*	*07/15/19 14:34*	*50*
Toluene-d8 (Surr)	*103*		*80 - 120*	*07/15/19 09:30*	*07/15/19 14:34*	*50*

Lab Sample ID: MB 570-5209/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5144 **Prep Batch: 5209**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1-Dichloroethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1-Dichloroethene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1-Dichloropropene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1

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

Lab Sample ID: MB 570-5209/1-A
Matrix: Solid
Analysis Batch: 5144

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5209

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2-Dibromoethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2-Dichloroethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2-Dichloropropane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,3-Dichloropropane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
2,2-Dichloropropane	ND		5.1		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
2-Butanone	ND		20		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,4-Dioxane	ND		100		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
2-Chlorotoluene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
2-Hexanone	ND		20		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
4-Chlorotoluene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
4-Methyl-2-pentanone	ND		20		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Acetone	ND		51		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Benzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Bromobenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Bromochloromethane	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Bromodichloromethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Bromoform	ND		5.1		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Bromomethane	ND		20		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Carbon disulfide	ND		10		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Carbon tetrachloride	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Chlorobenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Chloroethane	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Chloroform	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Chloromethane	ND		20		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Dibromochloromethane	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Dibromomethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Ethanol	ND		510		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Ethylbenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Isopropylbenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Methylene Chloride	ND		10		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Naphthalene	ND		10		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
n-Butylbenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
N-Propylbenzene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
o-Xylene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
m,p-Xylene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
p-Isopropyltoluene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
sec-Butylbenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Styrene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1

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

Lab Sample ID: MB 570-5209/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 5144
Prep Batch: 5209

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
trans-1,3-Dichloropropene	ND		2.0	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Tert-amyl-methyl ether (TAME)	ND		1.0	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
tert-Butyl alcohol (TBA)	ND		20	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
tert-Butylbenzene	ND		1.0	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Tetrachloroethene	ND		1.0	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Toluene	ND		1.0	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Trichloroethene	ND		2.0	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Trichlorofluoromethane	ND		10	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Vinyl acetate	ND		10	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Vinyl chloride	ND		1.0	ug/Kg		07/15/19 13:33	07/15/19 14:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*71 - 155*	*07/15/19 13:33*	*07/15/19 14:09*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*	*07/15/19 13:33*	*07/15/19 14:09*	*1*
Dibromofluoromethane	*107*		*79 - 133*	*07/15/19 13:33*	*07/15/19 14:09*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*07/15/19 13:33*	*07/15/19 14:09*	*1*

Lab Sample ID: MB 570-5343/3-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 5355
Prep Batch: 5343

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1,1-Trichloroethane	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1,2-Trichloroethane	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1-Dichloroethane	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1-Dichloroethene	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1-Dichloropropene	ND		2.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2,3-Trichlorobenzene	ND		2.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2,3-Trichloropropane	ND		2.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2,4-Trichlorobenzene	ND		2.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2,4-Trimethylbenzene	ND		2.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2-Dibromo-3-Chloropropane	ND		10	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2-Dibromoethane	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2-Dichlorobenzene	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2-Dichloroethane	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2-Dichloropropane	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,3,5-Trimethylbenzene	ND		2.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,3-Dichlorobenzene	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,3-Dichloropropane	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,4-Dichlorobenzene	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
2,2-Dichloropropane	ND		5.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
2-Butanone	ND		20	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,4-Dioxane	ND		100	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
2-Chlorotoluene	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

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

Lab Sample ID: MB 570-5343/3-A
Matrix: Solid
Analysis Batch: 5355

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5343

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		20		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
4-Chlorotoluene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
4-Methyl-2-pentanone	ND		20		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Acetone	ND		50		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Benzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Bromobenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Bromochloromethane	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Bromodichloromethane	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Bromoform	ND		5.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Bromomethane	ND		20		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Carbon disulfide	ND		10		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Carbon tetrachloride	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Chlorobenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Chloroethane	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Chloroform	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Chloromethane	ND		20		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Dibromochloromethane	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Dibromomethane	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Ethanol	ND		500		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Ethylbenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Isopropylbenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Methylene Chloride	ND		10		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Naphthalene	ND		10		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
n-Butylbenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
N-Propylbenzene	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
o-Xylene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
m,p-Xylene	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
p-Isopropyltoluene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
sec-Butylbenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Styrene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
tert-Butylbenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Tetrachloroethene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Toluene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Trichloroethene	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Trichlorofluoromethane	ND		10		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Vinyl acetate	ND		10		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Vinyl chloride	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

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

Lab Sample ID: MB 570-5343/3-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5355 **Prep Batch: 5343**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		71 - 155	07/16/19 09:31	07/16/19 12:38	1
4-Bromofluorobenzene (Surr)	105		80 - 120	07/16/19 09:31	07/16/19 12:38	1
Dibromofluoromethane	107		79 - 133	07/16/19 09:31	07/16/19 12:38	1
Toluene-d8 (Surr)	100		80 - 120	07/16/19 09:31	07/16/19 12:38	1

Lab Sample ID: LCS 570-5343/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5355 **Prep Batch: 5343**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.2	49.55		ug/Kg		99	71 - 125
1,2-Dibromoethane	50.2	52.33		ug/Kg		104	80 - 120
1,2-Dichlorobenzene	50.2	53.66		ug/Kg		107	80 - 120
1,2-Dichloroethane	50.2	55.95		ug/Kg		111	79 - 121
1,4-Dioxane	502	436.9		ug/Kg		87	80 - 120
Benzene	50.2	51.20		ug/Kg		102	79 - 120
Carbon tetrachloride	50.2	59.62		ug/Kg		119	58 - 142
Chlorobenzene	50.2	53.28		ug/Kg		106	80 - 120
Di-isopropyl ether (DIPE)	50.2	53.50		ug/Kg		107	65 - 131
Ethanol	502	429.0	J	ug/Kg		85	32 - 158
Ethylbenzene	50.2	54.97		ug/Kg		110	57 - 153
Ethyl-t-butyl ether (ETBE)	50.2	49.44		ug/Kg		98	58 - 136
Methyl-t-Butyl Ether (MTBE)	50.2	43.31		ug/Kg		86	64 - 124
o-Xylene	50.2	55.56		ug/Kg		111	79 - 127
m,p-Xylene	100	110.4		ug/Kg		110	80 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	115		71 - 155
4-Bromofluorobenzene (Surr)	106		80 - 120
Dibromofluoromethane	106		79 - 133
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 570-5343/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5355 **Prep Batch: 5343**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	50.5	49.42		ug/Kg		98	71 - 125	0	20
1,2-Dibromoethane	50.5	52.85		ug/Kg		105	80 - 120	1	20
1,2-Dichlorobenzene	50.5	53.70		ug/Kg		106	80 - 120	0	20
1,2-Dichloroethane	50.5	55.38		ug/Kg		110	79 - 121	1	20
1,4-Dioxane	505	480.1		ug/Kg		95	80 - 120	9	20
Benzene	50.5	51.52		ug/Kg		102	79 - 120	1	20
Carbon tetrachloride	50.5	60.93		ug/Kg		121	58 - 142	2	20
Chlorobenzene	50.5	53.97		ug/Kg		107	80 - 120	1	20
Di-isopropyl ether (DIPE)	50.5	54.33		ug/Kg		108	65 - 131	2	20
Ethanol	505	455.4	J	ug/Kg		90	32 - 158	6	27
Ethylbenzene	50.5	55.52		ug/Kg		110	57 - 153	1	20

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

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

Lab Sample ID: LCSD 570-5343/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5355 **Prep Batch: 5343**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethyl-t-butyl ether (ETBE)	50.5	49.98		ug/Kg		99	58 - 136	1	20
Methyl-t-Butyl Ether (MTBE)	50.5	43.74		ug/Kg		87	64 - 124	1	20
o-Xylene	50.5	55.94		ug/Kg		111	79 - 127	1	20
m,p-Xylene	101	111.8		ug/Kg		111	80 - 122	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*116*		*71 - 155*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Dibromofluoromethane	*108*		*79 - 133*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 570-5345/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5355 **Prep Batch: 5345**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1,1-Trichloroethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1,2,2-Tetrachloroethane	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1,2-Trichloroethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1-Dichloroethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1-Dichloroethene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1-Dichloropropene	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2,3-Trichlorobenzene	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2,3-Trichloropropane	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2,4-Trichlorobenzene	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2,4-Trimethylbenzene	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2-Dibromo-3-Chloropropane	ND		1000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2-Dibromoethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2-Dichlorobenzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2-Dichloroethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2-Dichloropropane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,3,5-Trimethylbenzene	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,3-Dichlorobenzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,3-Dichloropropane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,4-Dichlorobenzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
2,2-Dichloropropane	ND		500	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
2-Butanone	ND		2000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,4-Dioxane	ND		10000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
2-Chlorotoluene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
2-Hexanone	ND		2000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
4-Chlorotoluene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
4-Methyl-2-pentanone	ND		2000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Acetone	ND		5000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Benzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Bromobenzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Bromochloromethane	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

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

Lab Sample ID: MB 570-5345/1-A
Matrix: Solid
Analysis Batch: 5355

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5345

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Bromoform	ND		500	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Bromomethane	ND		2000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
cis-1,2-Dichloroethene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
cis-1,3-Dichloropropene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Carbon disulfide	ND		1000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Carbon tetrachloride	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Chlorobenzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Chloroethane	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Chloroform	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Chloromethane	ND		2000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Dibromochloromethane	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Dibromomethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Dichlorodifluoromethane	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Di-isopropyl ether (DIPE)	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Ethanol	ND		50000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Ethylbenzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Ethyl-t-butyl ether (ETBE)	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Isopropylbenzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Methylene Chloride	ND		1000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Methyl-t-Butyl Ether (MTBE)	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Naphthalene	ND		1000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
n-Butylbenzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
N-Propylbenzene	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
o-Xylene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
m,p-Xylene	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
p-Isopropyltoluene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
sec-Butylbenzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Styrene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
trans-1,2-Dichloroethene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
trans-1,3-Dichloropropene	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Tert-amyl-methyl ether (TAME)	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
tert-Butyl alcohol (TBA)	ND		2000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
tert-Butylbenzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Tetrachloroethene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Toluene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Trichloroethene	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Trichlorofluoromethane	ND		1000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Vinyl acetate	ND		1000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Vinyl chloride	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*71 - 155*	*07/16/19 09:36*	*07/16/19 13:05*	*50*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*	*07/16/19 09:36*	*07/16/19 13:05*	*50*
Dibromofluoromethane	*103*		*79 - 133*	*07/16/19 09:36*	*07/16/19 13:05*	*50*
Toluene-d8 (Surr)	*101*		*80 - 120*	*07/16/19 09:36*	*07/16/19 13:05*	*50*

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

Lab Sample ID: MB 570-5489/9
Matrix: Water
Analysis Batch: 5489

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			07/16/19 18:35	1
1,1,1-Trichloroethane	ND		1.0		ug/L			07/16/19 18:35	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			07/16/19 18:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			07/16/19 18:35	1
1,1,2-Trichloroethane	ND		1.0		ug/L			07/16/19 18:35	1
1,1-Dichloroethane	ND		1.0		ug/L			07/16/19 18:35	1
1,1-Dichloroethene	ND		1.0		ug/L			07/16/19 18:35	1
1,1-Dichloropropene	ND		1.0		ug/L			07/16/19 18:35	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
1,2,3-Trichloropropane	ND		5.0		ug/L			07/16/19 18:35	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			07/16/19 18:35	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			07/16/19 18:35	1
1,2-Dibromoethane	ND		1.0		ug/L			07/16/19 18:35	1
1,2-Dichlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
1,2-Dichloroethane	ND		0.50		ug/L			07/16/19 18:35	1
1,2-Dichloropropane	ND		1.0		ug/L			07/16/19 18:35	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			07/16/19 18:35	1
1,3-Dichlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
1,3-Dichloropropane	ND		1.0		ug/L			07/16/19 18:35	1
1,4-Dichlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
2,2-Dichloropropane	ND		1.0		ug/L			07/16/19 18:35	1
2-Butanone	ND		20		ug/L			07/16/19 18:35	1
1,4-Dioxane	ND		100		ug/L			07/16/19 18:35	1
2-Chlorotoluene	ND		1.0		ug/L			07/16/19 18:35	1
2-Hexanone	ND		10		ug/L			07/16/19 18:35	1
4-Chlorotoluene	ND		1.0		ug/L			07/16/19 18:35	1
4-Methyl-2-pentanone	ND		10		ug/L			07/16/19 18:35	1
Acetone	ND		20		ug/L			07/16/19 18:35	1
Benzene	ND		1.0		ug/L			07/16/19 18:35	1
Bromobenzene	ND		1.0		ug/L			07/16/19 18:35	1
Bromochloromethane	ND		2.0		ug/L			07/16/19 18:35	1
Bromodichloromethane	ND		1.0		ug/L			07/16/19 18:35	1
Bromoform	ND		5.0		ug/L			07/16/19 18:35	1
Bromomethane	ND		50		ug/L			07/16/19 18:35	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			07/16/19 18:35	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			07/16/19 18:35	1
Carbon disulfide	ND		10		ug/L			07/16/19 18:35	1
Carbon tetrachloride	ND		0.50		ug/L			07/16/19 18:35	1
Chlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
Chloroethane	ND		5.0		ug/L			07/16/19 18:35	1
Chloroform	ND		1.0		ug/L			07/16/19 18:35	1
Chloromethane	ND		10		ug/L			07/16/19 18:35	1
Dibromochloromethane	ND		2.0		ug/L			07/16/19 18:35	1
Dibromomethane	ND		1.0		ug/L			07/16/19 18:35	1
Dichlorodifluoromethane	ND		5.0		ug/L			07/16/19 18:35	1
Di-isopropyl ether (DIPE)	ND		2.0		ug/L			07/16/19 18:35	1
Ethanol	ND		100		ug/L			07/16/19 18:35	1

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

Lab Sample ID: MB 570-5489/9
Matrix: Water
Analysis Batch: 5489
Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0		ug/L			07/16/19 18:35	1
Ethyl-t-butyl ether (ETBE)	ND		2.0		ug/L			07/16/19 18:35	1
Isopropylbenzene	ND		1.0		ug/L			07/16/19 18:35	1
Methylene Chloride	ND		10		ug/L			07/16/19 18:35	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0		ug/L			07/16/19 18:35	1
Naphthalene	ND		10		ug/L			07/16/19 18:35	1
n-Butylbenzene	ND		1.0		ug/L			07/16/19 18:35	1
N-Propylbenzene	ND		1.0		ug/L			07/16/19 18:35	1
o-Xylene	ND		1.0		ug/L			07/16/19 18:35	1
m,p-Xylene	ND		2.0		ug/L			07/16/19 18:35	1
p-Isopropyltoluene	ND		1.0		ug/L			07/16/19 18:35	1
sec-Butylbenzene	ND		1.0		ug/L			07/16/19 18:35	1
Styrene	ND		1.0		ug/L			07/16/19 18:35	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			07/16/19 18:35	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			07/16/19 18:35	1
Tert-amyl-methyl ether (TAME)	ND		2.0		ug/L			07/16/19 18:35	1
tert-Butyl alcohol (TBA)	ND		10		ug/L			07/16/19 18:35	1
tert-Butylbenzene	ND		1.0		ug/L			07/16/19 18:35	1
Tetrachloroethene	ND		1.0		ug/L			07/16/19 18:35	1
Toluene	ND		1.0		ug/L			07/16/19 18:35	1
Trichloroethene	ND		1.0		ug/L			07/16/19 18:35	1
Trichlorofluoromethane	ND		10		ug/L			07/16/19 18:35	1
Vinyl acetate	ND		10		ug/L			07/16/19 18:35	1
Vinyl chloride	ND		0.50		ug/L			07/16/19 18:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 129*		*07/16/19 18:35*	*1*
4-Bromofluorobenzene (Surr)	*95*		*77 - 120*		*07/16/19 18:35*	*1*
Dibromofluoromethane	*100*		*80 - 128*		*07/16/19 18:35*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/16/19 18:35*	*1*

Lab Sample ID: LCS 570-5489/4
Matrix: Water
Analysis Batch: 5489
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	50.0	47.66		ug/L		95	64 - 136
1,2-Dibromoethane	50.0	51.24		ug/L		102	80 - 120
1,2-Dichlorobenzene	50.0	49.71		ug/L		99	80 - 120
1,2-Dichloroethane	50.0	50.63		ug/L		101	75 - 123
1,4-Dioxane	500	489.5		ug/L		98	64 - 130
Benzene	50.0	49.85		ug/L		100	78 - 120
Carbon tetrachloride	50.0	52.73		ug/L		105	67 - 139
Chlorobenzene	50.0	49.57		ug/L		99	80 - 120
Di-isopropyl ether (DIPE)	50.0	46.74		ug/L		93	72 - 132
Ethanol	500	462.6		ug/L		93	56 - 150
Ethylbenzene	50.0	51.58		ug/L		103	80 - 120
Ethyl-t-butyl ether (ETBE)	50.0	44.54		ug/L		89	74 - 122

QC Sample Results

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

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

Lab Sample ID: LCS 570-5489/4
Matrix: Water
Analysis Batch: 5489

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl-t-Butyl Ether (MTBE)	50.0	41.33		ug/L		83	77 - 120
o-Xylene	50.0	50.76		ug/L		102	80 - 125
m,p-Xylene	100	111.8		ug/L		112	80 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 129*
4-Bromofluorobenzene (Surr)	*103*		*77 - 120*
Dibromofluoromethane	*97*		*80 - 128*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 570-5489/5
Matrix: Water
Analysis Batch: 5489

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	50.0	48.71		ug/L		97	64 - 136	2	30
1,2-Dibromoethane	50.0	50.51		ug/L		101	80 - 120	1	30
1,2-Dichlorobenzene	50.0	49.55		ug/L		99	80 - 120	0	20
1,2-Dichloroethane	50.0	50.30		ug/L		101	75 - 123	1	24
1,4-Dioxane	500	527.5		ug/L		106	64 - 130	7	30
Benzene	50.0	49.94		ug/L		100	78 - 120	0	21
Carbon tetrachloride	50.0	53.89		ug/L		108	67 - 139	2	30
Chlorobenzene	50.0	49.28		ug/L		99	80 - 120	1	20
Di-isopropyl ether (DIPE)	50.0	47.07		ug/L		94	72 - 132	1	29
Ethanol	500	498.8		ug/L		100	56 - 150	8	30
Ethylbenzene	50.0	52.26		ug/L		105	80 - 120	1	20
Ethyl-t-butyl ether (ETBE)	50.0	44.76		ug/L		90	74 - 122	0	27
Methyl-t-Butyl Ether (MTBE)	50.0	41.84		ug/L		84	77 - 120	1	24
o-Xylene	50.0	51.49		ug/L		103	80 - 125	1	20
m,p-Xylene	100	112.4		ug/L		112	80 - 125	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 129*
4-Bromofluorobenzene (Surr)	*103*		*77 - 120*
Dibromofluoromethane	*100*		*80 - 128*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: MB 570-6233/3-A
Matrix: Solid
Analysis Batch: 6229

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 6233

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,1,1-Trichloroethane	ND		1.0	ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,1,2-Trichloroethane	ND		1.0	ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,1-Dichloroethane	ND		1.0	ug/Kg		07/19/19 09:01	07/19/19 12:39	1

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

Lab Sample ID: MB 570-6233/3-A
Matrix: Solid
Analysis Batch: 6229

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 6233

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,1-Dichloropropene	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,2-Dibromoethane	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,2-Dichloroethane	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,2-Dichloropropane	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,3-Dichloropropane	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
2,2-Dichloropropane	ND		5.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
2-Butanone	ND		20		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,4-Dioxane	ND		100		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
2-Chlorotoluene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
2-Hexanone	ND		20		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
4-Chlorotoluene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
4-Methyl-2-pentanone	ND		20		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Acetone	ND		50		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Benzene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Bromobenzene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Bromochloromethane	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Bromodichloromethane	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Bromoform	ND		5.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Bromomethane	ND		20		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Carbon disulfide	ND		10		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Carbon tetrachloride	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Chlorobenzene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Chloroethane	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Chloroform	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Chloromethane	ND		20		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Dibromochloromethane	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Dibromomethane	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Ethanol	ND		500		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Ethylbenzene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Isopropylbenzene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Methylene Chloride	ND		10		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Naphthalene	ND		10		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
n-Butylbenzene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1

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

Lab Sample ID: MB 570-6233/3-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 6229 **Prep Batch: 6233**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
o-Xylene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
m,p-Xylene	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
p-Isopropyltoluene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
sec-Butylbenzene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Styrene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
tert-Butylbenzene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Tetrachloroethene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Toluene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Trichloroethene	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Trichlorofluoromethane	ND		10		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Vinyl acetate	ND		10		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Vinyl chloride	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*71 - 155*	*07/19/19 09:01*	*07/19/19 12:39*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*07/19/19 09:01*	*07/19/19 12:39*	*1*
Dibromofluoromethane	*103*		*79 - 133*	*07/19/19 09:01*	*07/19/19 12:39*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*07/19/19 09:01*	*07/19/19 12:39*	*1*

Lab Sample ID: LCS 570-6233/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 6229 **Prep Batch: 6233**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	50.46		ug/Kg		101	71 - 125
1,2-Dibromoethane	50.0	48.50		ug/Kg		97	80 - 120
1,2-Dichlorobenzene	50.0	48.03		ug/Kg		96	80 - 120
1,2-Dichloroethane	50.0	46.47		ug/Kg		93	79 - 121
1,4-Dioxane	500	441.7		ug/Kg		88	80 - 120
Benzene	50.0	47.53		ug/Kg		95	79 - 120
Carbon tetrachloride	50.0	53.72		ug/Kg		107	58 - 142
Chlorobenzene	50.0	48.15		ug/Kg		96	80 - 120
Di-isopropyl ether (DIPE)	50.0	48.21		ug/Kg		96	65 - 131
Ethanol	500	508.6		ug/Kg		102	32 - 158
Ethylbenzene	50.0	49.68		ug/Kg		99	57 - 153
Ethyl-t-butyl ether (ETBE)	50.0	46.52		ug/Kg		93	58 - 136
Methyl-t-Butyl Ether (MTBE)	50.0	43.58		ug/Kg		87	64 - 124
o-Xylene	50.0	51.20		ug/Kg		102	79 - 127
m,p-Xylene	100	99.34		ug/Kg		99	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*71 - 155*
4-Bromofluorobenzene (Surr)	*114*		*80 - 120*

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

Lab Sample ID: LCS 570-6233/1-A
Matrix: Solid
Analysis Batch: 6229

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 6233

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane	*106*		*79 - 133*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 570-6233/2-A
Matrix: Solid
Analysis Batch: 6229

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 6233

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	50.5	46.27		ug/Kg		92	71 - 125	9	20
1,2-Dibromoethane	50.5	48.37		ug/Kg		96	80 - 120	0	20
1,2-Dichlorobenzene	50.5	48.06		ug/Kg		95	80 - 120	0	20
1,2-Dichloroethane	50.5	43.40		ug/Kg		86	79 - 121	7	20
1,4-Dioxane	505	483.3		ug/Kg		96	80 - 120	9	20
Benzene	50.5	48.57		ug/Kg		96	79 - 120	2	20
Carbon tetrachloride	50.5	49.15		ug/Kg		97	58 - 142	9	20
Chlorobenzene	50.5	48.30		ug/Kg		96	80 - 120	0	20
Di-isopropyl ether (DIPE)	50.5	46.60		ug/Kg		92	65 - 131	3	20
Ethanol	505	447.3	J	ug/Kg		89	32 - 158	13	27
Ethylbenzene	50.5	49.27		ug/Kg		98	57 - 153	1	20
Ethyl-t-butyl ether (ETBE)	50.5	45.28		ug/Kg		90	58 - 136	3	20
Methyl-t-Butyl Ether (MTBE)	50.5	39.08		ug/Kg		77	64 - 124	11	20
o-Xylene	50.5	50.14		ug/Kg		99	79 - 127	2	20
m,p-Xylene	101	97.46		ug/Kg		96	80 - 122	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*99*		*71 - 155*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane	*103*		*79 - 133*
Toluene-d8 (Surr)	*100*		*80 - 120*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-4921/1-A
Matrix: Solid
Analysis Batch: 5363

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4921

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
1,2-Dichlorobenzene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
1,3-Dichlorobenzene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
1,4-Dichlorobenzene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
1-Methylnaphthalene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2,4,5-Trichlorophenol	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2,4,6-Trichlorophenol	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2,4-Dichlorophenol	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2,4-Dimethylphenol	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2,4-Dinitrophenol	ND		2.0	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2,4-Dinitrotoluene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-4921/1-A
Matrix: Solid
Analysis Batch: 5363

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4921

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2-Chlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2-Methylnaphthalene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2-Methylphenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2-Nitroaniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2-Nitrophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
3 & 4 Methylphenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
3-Nitroaniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
4-Bromophenyl phenyl ether	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
4-Chloro-3-methylphenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
4-Chloroaniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
4-Nitroaniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
4-Nitrophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Acenaphthene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Acenaphthylene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Aniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Anthracene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Azobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Benzidine	ND		5.0		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Benzoic acid	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Benzyl alcohol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Chrysene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Dibenzofuran	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Diethyl phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Dimethyl phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Fluoranthene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Fluorene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Hexachlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Hexachloroethane	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-4921/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5363 **Prep Batch: 4921**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Naphthalene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Nitrobenzene	ND		2.0	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
N-Nitrosodimethylamine	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
N-Nitrosodi-n-propylamine	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
N-Nitrosodiphenylamine	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Pentachlorophenol	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Phenanthrene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Phenol	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Pyrene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Pyridine	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
bis (2-Chloroisopropyl) ether	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*18 - 138*	*07/12/19 20:42*	*07/16/19 12:08*	*1*
2-Fluorobiphenyl (Surr)	*91*		*27 - 120*	*07/12/19 20:42*	*07/16/19 12:08*	*1*
2-Fluorophenol (Surr)	*85*		*25 - 120*	*07/12/19 20:42*	*07/16/19 12:08*	*1*
Nitrobenzene-d5 (Surr)	*85*		*33 - 123*	*07/12/19 20:42*	*07/16/19 12:08*	*1*
p-Terphenyl-d14 (Surr)	*105*		*27 - 159*	*07/12/19 20:42*	*07/16/19 12:08*	*1*
Phenol-d6 (Surr)	*88*		*26 - 122*	*07/12/19 20:42*	*07/16/19 12:08*	*1*

Lab Sample ID: LCS 570-4921/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5363 **Prep Batch: 4921**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	10.0	8.493		mg/Kg		85	45 - 129
1,4-Dichlorobenzene	10.0	8.019		mg/Kg		80	42 - 132
2,4-Dinitrotoluene	10.0	9.866		mg/Kg		99	51 - 129
2-Chlorophenol	10.0	8.955		mg/Kg		90	58 - 124
4-Chloro-3-methylphenol	10.0	8.315		mg/Kg		83	55 - 151
4-Nitrophenol	10.0	6.492		mg/Kg		65	24 - 126
Acenaphthene	10.0	8.360		mg/Kg		84	51 - 123
Acenaphthylene	10.0	9.622		mg/Kg		96	52 - 120
Butyl benzyl phthalate	10.0	9.536		mg/Kg		95	43 - 139
Dimethyl phthalate	10.0	8.633		mg/Kg		86	51 - 123
Fluorene	10.0	8.277		mg/Kg		83	54 - 126
Naphthalene	10.0	8.228		mg/Kg		82	32 - 146
N-Nitrosodi-n-propylamine	10.0	8.868		mg/Kg		89	40 - 136
Pentachlorophenol	10.0	4.393		mg/Kg		44	23 - 131
Phenol	10.0	9.040		mg/Kg		90	40 - 130
Pyrene	10.0	9.004		mg/Kg		90	47 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*92*		*18 - 138*
2-Fluorobiphenyl (Surr)	*93*		*27 - 120*
2-Fluorophenol (Surr)	*90*		*25 - 120*
Nitrobenzene-d5 (Surr)	*87*		*33 - 123*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-4921/2-A
Matrix: Solid
Analysis Batch: 5363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4921

Surrogate	LCS %Recovery	LCS Qualifier	Limits
p-Terphenyl-d14 (Surr)	*99*		*27 - 159*
Phenol-d6 (Surr)	*94*		*26 - 122*

Lab Sample ID: 570-1583-14 MS
Matrix: Solid
Analysis Batch: 5363

Client Sample ID: HA29-0.5
Prep Type: Total/NA
Prep Batch: 4921

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		9.75	7.897		mg/Kg		81	56 - 120
1,4-Dichlorobenzene	ND		9.75	7.414		mg/Kg		76	43 - 120
2,4-Dinitrotoluene	ND		9.75	9.549		mg/Kg		98	28 - 120
2-Chlorophenol	ND	F2	9.75	8.961		mg/Kg		92	53 - 120
4-Chloro-3-methylphenol	ND		9.75	8.482		mg/Kg		87	32 - 120
4-Nitrophenol	ND		9.75	6.023		mg/Kg		62	14 - 128
Acenaphthene	ND		9.75	8.376		mg/Kg		86	34 - 148
Acenaphthylene	ND		9.75	9.448		mg/Kg		97	53 - 120
Butyl benzyl phthalate	ND		9.75	10.01		mg/Kg		103	15 - 189
Dimethyl phthalate	ND		9.75	8.917		mg/Kg		86	44 - 122
Fluorene	ND		9.75	8.142		mg/Kg		83	12 - 186
Naphthalene	ND		9.75	7.767		mg/Kg		80	20 - 140
N-Nitrosodi-n-propylamine	ND	F2	9.75	8.357		mg/Kg		86	38 - 140
Pentachlorophenol	ND	F2	9.75	5.133		mg/Kg		53	10 - 124
Phenol	ND	F2	9.75	8.655		mg/Kg		89	22 - 124
Pyrene	ND		9.75	10.21		mg/Kg		105	31 - 169

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	*108*		*18 - 138*
2-Fluorobiphenyl (Surr)	*93*		*27 - 120*
2-Fluorophenol (Surr)	*89*		*25 - 120*
Nitrobenzene-d5 (Surr)	*83*		*33 - 123*
p-Terphenyl-d14 (Surr)	*115*		*27 - 159*
Phenol-d6 (Surr)	*94*		*26 - 122*

Lab Sample ID: 570-1583-14 MSD
Matrix: Solid
Analysis Batch: 5363

Client Sample ID: HA29-0.5
Prep Type: Total/NA
Prep Batch: 4921

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		9.76	6.578		mg/Kg		67	56 - 120	18	20
1,4-Dichlorobenzene	ND		9.76	5.926		mg/Kg		61	43 - 120	22	26
2,4-Dinitrotoluene	ND		9.76	8.002		mg/Kg		82	28 - 120	18	20
2-Chlorophenol	ND	F2	9.76	7.103	F2	mg/Kg		73	53 - 120	23	20
4-Chloro-3-methylphenol	ND		9.76	7.096		mg/Kg		73	32 - 120	18	20
4-Nitrophenol	ND		9.76	4.862		mg/Kg		50	14 - 128	21	59
Acenaphthene	ND		9.76	7.138		mg/Kg		73	34 - 148	16	20
Acenaphthylene	ND		9.76	7.993		mg/Kg		82	53 - 120	17	20
Butyl benzyl phthalate	ND		9.76	8.894		mg/Kg		91	15 - 189	12	20
Dimethyl phthalate	ND		9.76	7.763		mg/Kg		75	44 - 122	14	20

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-1583-14 MSD
Matrix: Solid
Analysis Batch: 5363

Client Sample ID: HA29-0.5
Prep Type: Total/NA
Prep Batch: 4921

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluorene	ND		9.76	6.926		mg/Kg		71	12 - 186	16	20
Naphthalene	ND		9.76	6.371		mg/Kg		65	20 - 140	20	20
N-Nitrosodi-n-propylamine	ND	F2	9.76	6.615	F2	mg/Kg		68	38 - 140	23	20
Pentachlorophenol	ND	F2	9.76	ND	F2	mg/Kg		43	10 - 124	21	20
Phenol	ND	F2	9.76	6.878	F2	mg/Kg		70	22 - 124	23	20
Pyrene	ND		9.76	9.087		mg/Kg		93	31 - 169	12	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*93*		*18 - 138*
2-Fluorobiphenyl (Surr)	*78*		*27 - 120*
2-Fluorophenol (Surr)	*67*		*25 - 120*
Nitrobenzene-d5 (Surr)	*66*		*33 - 123*
p-Terphenyl-d14 (Surr)	*98*		*27 - 159*
Phenol-d6 (Surr)	*71*		*26 - 122*

Lab Sample ID: MB 570-4949/1-A
Matrix: Water
Analysis Batch: 5257

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4949

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
1,2-Dichlorobenzene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
1,3-Dichlorobenzene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
1,4-Dichlorobenzene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
1-Methylnaphthalene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4,5-Trichlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4,6-Trichlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4-Dichlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4-Dimethylphenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4-Dinitrophenol	ND		50		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4-Dinitrotoluene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,6-Dichlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,6-Dinitrotoluene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Chloronaphthalene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Chlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Methylnaphthalene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Methylphenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Nitroaniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Nitrophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
3,3'-Dichlorobenzidine	ND		25		ug/L		07/13/19 09:41	07/15/19 19:00	1
3 & 4 Methylphenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
3-Nitroaniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4,6-Dinitro-2-methylphenol	ND		50		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Bromophenyl phenyl ether	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Chloro-3-methylphenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Chloroaniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Chlorophenyl phenyl ether	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Nitroaniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-4949/1-A
Matrix: Water
Analysis Batch: 5257

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4949

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Acenaphthene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Acenaphthylene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Aniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Anthracene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Azobenzene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzidine	ND		50		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[a]anthracene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[a]pyrene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[b]fluoranthene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[g,h,i]perylene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[k]fluoranthene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzoic acid	ND		50		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzyl alcohol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Bis(2-chloroethoxy)methane	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Bis(2-chloroethyl)ether	ND		25		ug/L		07/13/19 09:41	07/15/19 19:00	1
Bis(2-ethylhexyl) phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Butyl benzyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Chrysene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Dibenz(a,h)anthracene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Dibenzofuran	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Diethyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Dimethyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Di-n-butyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Di-n-octyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Fluoranthene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Fluorene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Hexachloro-1,3-butadiene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Hexachlorobenzene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Hexachlorocyclopentadiene	ND		25		ug/L		07/13/19 09:41	07/15/19 19:00	1
Hexachloroethane	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Isophorone	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Naphthalene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Nitrobenzene	ND		25		ug/L		07/13/19 09:41	07/15/19 19:00	1
N-Nitrosodimethylamine	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
N-Nitrosodi-n-propylamine	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
N-Nitrosodiphenylamine	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Pentachlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Phenanthrene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Phenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Pyrene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Pyridine	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
bis (2-Chloroisopropyl) ether	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*32 - 143*	*07/13/19 09:41*	*07/15/19 19:00*	*1*
2-Fluorobiphenyl (Surr)	*86*		*45 - 120*	*07/13/19 09:41*	*07/15/19 19:00*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-4949/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5257 **Prep Batch: 4949**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	*58*		*15 - 138*	*07/13/19 09:41*	*07/15/19 19:00*	*1*
Nitrobenzene-d5 (Surr)	*82*		*56 - 123*	*07/13/19 09:41*	*07/15/19 19:00*	*1*
p-Terphenyl-d14 (Surr)	*113*		*46 - 133*	*07/13/19 09:41*	*07/15/19 19:00*	*1*
Phenol-d6 (Surr)	*36*		*17 - 141*	*07/13/19 09:41*	*07/15/19 19:00*	*1*

Lab Sample ID: LCS 570-4949/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5257 **Prep Batch: 4949**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	200	166.3		ug/L		83	49 - 120
1,4-Dichlorobenzene	200	163.0		ug/L		81	30 - 100
2,4-Dinitrotoluene	200	182.7		ug/L		91	50 - 120
2-Chlorophenol	200	175.7		ug/L		88	35 - 105
4-Chloro-3-methylphenol	200	169.4		ug/L		85	45 - 110
4-Nitrophenol	200	87.05		ug/L		44	20 - 150
Acenaphthene	200	174.8		ug/L		87	45 - 110
Acenaphthylene	200	196.7		ug/L		98	50 - 105
Butyl benzyl phthalate	200	173.4		ug/L		87	45 - 115
Dimethyl phthalate	200	180.2		ug/L		90	25 - 125
Fluorene	200	176.8		ug/L		88	50 - 110
Naphthalene	200	161.5		ug/L		81	40 - 100
N-Nitrosodi-n-propylamine	200	176.7		ug/L		88	35 - 130
Pentachlorophenol	200	143.9		ug/L		72	40 - 115
Phenol	200	88.46		ug/L		44	10 - 115
Pyrene	200	176.5		ug/L		88	50 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	*86*		*32 - 143*
2-Fluorobiphenyl (Surr)	*90*		*45 - 120*
2-Fluorophenol (Surr)	*65*		*15 - 138*
Nitrobenzene-d5 (Surr)	*88*		*56 - 123*
p-Terphenyl-d14 (Surr)	*95*		*46 - 133*
Phenol-d6 (Surr)	*43*		*17 - 141*

Lab Sample ID: LCSD 570-4949/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5257 **Prep Batch: 4949**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	200	137.1		ug/L		69	49 - 120	19	20
1,4-Dichlorobenzene	200	137.8		ug/L		69	30 - 100	17	26
2,4-Dinitrotoluene	200	150.0		ug/L		75	50 - 120	20	36
2-Chlorophenol	200	148.2		ug/L		74	35 - 105	17	18
4-Chloro-3-methylphenol	200	137.3		ug/L		69	45 - 110	21	40
4-Nitrophenol	200	66.57		ug/L		33	20 - 150	27	40
Acenaphthene	200	143.8		ug/L		72	45 - 110	19	20
Acenaphthylene	200	161.0		ug/L		81	50 - 105	20	20

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-4949/3-A
Matrix: Water
Analysis Batch: 5257

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4949

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Butyl benzyl phthalate	200	145.8		ug/L		73	45 - 115	17	20
Dimethyl phthalate	200	149.0		ug/L		74	25 - 125	19	20
Fluorene	200	144.4		ug/L		72	50 - 110	20	20
Naphthalene	200	135.4		ug/L		68	40 - 100	18	20
N-Nitrosodi-n-propylamine	200	144.8		ug/L		72	35 - 130	20	20
Pentachlorophenol	200	118.3		ug/L		59	40 - 115	20	40
Phenol	200	72.61		ug/L		36	10 - 115	20	23
Pyrene	200	152.4		ug/L		76	50 - 130	15	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*66*		*32 - 143*
2-Fluorobiphenyl (Surr)	*73*		*45 - 120*
2-Fluorophenol (Surr)	*51*		*15 - 138*
Nitrobenzene-d5 (Surr)	*69*		*56 - 123*
p-Terphenyl-d14 (Surr)	*77*		*46 - 133*
Phenol-d6 (Surr)	*33*		*17 - 141*

Lab Sample ID: MB 570-5599/1-A
Matrix: Solid
Analysis Batch: 5946

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5599

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
1,2-Dichlorobenzene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
1,3-Dichlorobenzene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
1,4-Dichlorobenzene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
1-Methylnaphthalene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2,4,5-Trichlorophenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2,4,6-Trichlorophenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2,4-Dichlorophenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2,4-Dimethylphenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2,4-Dinitrophenol	ND		2.0	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2,4-Dinitrotoluene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2,6-Dichlorophenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2,6-Dinitrotoluene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2-Chloronaphthalene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2-Chlorophenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2-Methylnaphthalene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2-Methylphenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2-Nitroaniline	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2-Nitrophenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
3,3'-Dichlorobenzidine	ND		2.5	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
3 & 4 Methylphenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
3-Nitroaniline	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
4,6-Dinitro-2-methylphenol	ND		2.5	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
4-Bromophenyl phenyl ether	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
4-Chloro-3-methylphenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
4-Chloroaniline	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-5599/1-A
Matrix: Solid
Analysis Batch: 5946

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5599

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
4-Nitroaniline	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
4-Nitrophenol	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Acenaphthene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Acenaphthylene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Aniline	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Anthracene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Azobenzene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Benzidine	ND		5.0		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Benzoic acid	ND		2.5		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Benzyl alcohol	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Chrysene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Dibenzofuran	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Diethyl phthalate	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Dimethyl phthalate	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Fluoranthene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Fluorene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Hexachlorobenzene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Hexachloroethane	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Isophorone	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Naphthalene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Nitrobenzene	ND		2.0		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Pentachlorophenol	ND		2.5		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Phenanthrene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Phenol	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Pyrene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Pyridine	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-5599/1-A
Matrix: Solid
Analysis Batch: 5946

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5599

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		18 - 138	07/16/19 20:15	07/18/19 12:02	1
2-Fluorobiphenyl (Surr)	83		27 - 120	07/16/19 20:15	07/18/19 12:02	1
2-Fluorophenol (Surr)	81		25 - 120	07/16/19 20:15	07/18/19 12:02	1
Nitrobenzene-d5 (Surr)	80		33 - 123	07/16/19 20:15	07/18/19 12:02	1
p-Terphenyl-d14 (Surr)	98		27 - 159	07/16/19 20:15	07/18/19 12:02	1
Phenol-d6 (Surr)	82		26 - 122	07/16/19 20:15	07/18/19 12:02	1

Lab Sample ID: LCS 570-5599/2-A
Matrix: Solid
Analysis Batch: 5946

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5599

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	10.0	8.114		mg/Kg		81	45 - 129
1,4-Dichlorobenzene	10.0	7.815		mg/Kg		78	42 - 132
2,4-Dinitrotoluene	10.0	8.766		mg/Kg		88	51 - 129
2-Chlorophenol	10.0	8.737		mg/Kg		87	58 - 124
4-Chloro-3-methylphenol	10.0	7.694		mg/Kg		77	55 - 151
4-Nitrophenol	10.0	5.349		mg/Kg		53	24 - 126
Acenaphthene	10.0	7.797		mg/Kg		78	51 - 123
Acenaphthylene	10.0	9.125		mg/Kg		91	52 - 120
Butyl benzyl phthalate	10.0	9.321		mg/Kg		93	43 - 139
Dimethyl phthalate	10.0	7.891		mg/Kg		79	51 - 123
Fluorene	10.0	7.647		mg/Kg		76	54 - 126
Naphthalene	10.0	7.760		mg/Kg		78	32 - 146
N-Nitrosodi-n-propylamine	10.0	8.230		mg/Kg		82	40 - 136
Pentachlorophenol	10.0	4.422		mg/Kg		44	23 - 131
Phenol	10.0	8.467		mg/Kg		85	40 - 130
Pyrene	10.0	9.221		mg/Kg		92	47 - 143

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	90		18 - 138
2-Fluorobiphenyl (Surr)	90		27 - 120
2-Fluorophenol (Surr)	89		25 - 120
Nitrobenzene-d5 (Surr)	83		33 - 123
p-Terphenyl-d14 (Surr)	107		27 - 159
Phenol-d6 (Surr)	89		26 - 122

Lab Sample ID: 570-1583-29 MS
Matrix: Solid
Analysis Batch: 5946

Client Sample ID: HA33-0.5 DUP
Prep Type: Total/NA
Prep Batch: 5599

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		9.91	7.563		mg/Kg		76	56 - 120
1,4-Dichlorobenzene	ND		9.91	6.833		mg/Kg		69	43 - 120
2,4-Dinitrotoluene	ND		9.91	9.527		mg/Kg		96	28 - 120
2-Chlorophenol	ND		9.91	8.649		mg/Kg		87	53 - 120
4-Chloro-3-methylphenol	ND		9.91	7.840		mg/Kg		79	32 - 120
4-Nitrophenol	ND		9.91	6.129		mg/Kg		62	14 - 128

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-1583-29 MS
Matrix: Solid
Analysis Batch: 5946

Client Sample ID: HA33-0.5 DUP
Prep Type: Total/NA
Prep Batch: 5599

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		9.91	7.787		mg/Kg		79	34 - 148
Acenaphthylene	ND		9.91	9.069		mg/Kg		92	53 - 120
Butyl benzyl phthalate	ND		9.91	9.722		mg/Kg		98	15 - 189
Dimethyl phthalate	0.87		9.91	9.153		mg/Kg		84	44 - 122
Fluorene	ND		9.91	7.826		mg/Kg		79	12 - 186
Naphthalene	ND		9.91	7.618		mg/Kg		77	20 - 140
N-Nitrosodi-n-propylamine	ND		9.91	8.008		mg/Kg		81	38 - 140
Pentachlorophenol	ND		9.91	2.834		mg/Kg		29	10 - 124
Phenol	ND		9.91	8.342		mg/Kg		84	22 - 124
Pyrene	ND		9.91	9.245		mg/Kg		93	31 - 169

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*84*		*18 - 138*
2-Fluorobiphenyl (Surr)	*86*		*27 - 120*
2-Fluorophenol (Surr)	*84*		*25 - 120*
Nitrobenzene-d5 (Surr)	*80*		*33 - 123*
p-Terphenyl-d14 (Surr)	*103*		*27 - 159*
Phenol-d6 (Surr)	*86*		*26 - 122*

Lab Sample ID: 570-1583-29 MSD
Matrix: Solid
Analysis Batch: 5946

Client Sample ID: HA33-0.5 DUP
Prep Type: Total/NA
Prep Batch: 5599

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		9.95	8.042		mg/Kg		81	56 - 120	6	20
1,4-Dichlorobenzene	ND		9.95	6.779		mg/Kg		68	43 - 120	1	26
2,4-Dinitrotoluene	ND		9.95	10.21		mg/Kg		103	28 - 120	7	20
2-Chlorophenol	ND		9.95	9.226		mg/Kg		93	53 - 120	6	20
4-Chloro-3-methylphenol	ND		9.95	8.533		mg/Kg		86	32 - 120	8	20
4-Nitrophenol	ND		9.95	6.589		mg/Kg		66	14 - 128	7	59
Acenaphthene	ND		9.95	8.497		mg/Kg		85	34 - 148	9	20
Acenaphthylene	ND		9.95	9.820		mg/Kg		99	53 - 120	8	20
Butyl benzyl phthalate	ND		9.95	9.889		mg/Kg		99	15 - 189	2	20
Dimethyl phthalate	0.87		9.95	9.405		mg/Kg		86	44 - 122	3	20
Fluorene	ND		9.95	8.572		mg/Kg		86	12 - 186	9	20
Naphthalene	ND		9.95	8.146		mg/Kg		82	20 - 140	7	20
N-Nitrosodi-n-propylamine	ND		9.95	8.593		mg/Kg		86	38 - 140	7	20
Pentachlorophenol	ND		9.95	3.038		mg/Kg		31	10 - 124	7	20
Phenol	ND		9.95	9.168		mg/Kg		92	22 - 124	9	20
Pyrene	ND		9.95	9.455		mg/Kg		95	31 - 169	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*93*		*18 - 138*
2-Fluorobiphenyl (Surr)	*95*		*27 - 120*
2-Fluorophenol (Surr)	*90*		*25 - 120*
Nitrobenzene-d5 (Surr)	*85*		*33 - 123*
p-Terphenyl-d14 (Surr)	*102*		*27 - 159*
Phenol-d6 (Surr)	*94*		*26 - 122*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 570-5013/3-A
Matrix: Solid
Analysis Batch: 5151

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5013

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10	mg/Kg		07/13/19 13:11	07/15/19 13:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*42 - 126*	*07/13/19 13:11*	*07/15/19 13:10*	*1*

Lab Sample ID: LCS 570-5013/1-A
Matrix: Solid
Analysis Batch: 5151

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5013

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	1.99	2.051		mg/Kg		103	70 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*42 - 126*

Lab Sample ID: LCSD 570-5013/2-A
Matrix: Solid
Analysis Batch: 5151

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5013

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	2.03	2.232		mg/Kg		110	70 - 124	8	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*42 - 126*

Lab Sample ID: 570-1583-1 MS
Matrix: Solid
Analysis Batch: 5151

Client Sample ID: HA24-0.5
Prep Type: Total/NA
Prep Batch: 5013

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	ND	F1 F2	2.04	1.498		mg/Kg		74	48 - 114

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*42 - 126*

Lab Sample ID: MB 570-5143/6
Matrix: Water
Analysis Batch: 5143

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		50	ug/L			07/15/19 13:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*38 - 134*		*07/15/19 13:07*	*1*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCS 570-5143/3
Matrix: Water
Analysis Batch: 5143

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (C4-C13)			2000	1945		ug/L		97	78 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*38 - 134*

Lab Sample ID: LCSD 570-5143/4
Matrix: Water
Analysis Batch: 5143

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
Gasoline Range Organics (C4-C13)			2000	1912		ug/L		96	78 - 120	2	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*38 - 134*

Lab Sample ID: 570-1452-A-7 MS
Matrix: Water
Analysis Batch: 5143

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		
Gasoline Range Organics (C4-C13)	9100		20000	24960		ug/L		80	68 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*38 - 134*

Lab Sample ID: 570-1452-A-7 MSD
Matrix: Water
Analysis Batch: 5143

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
Gasoline Range Organics (C4-C13)	9100		20000	25660		ug/L		83	68 - 122	3	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*38 - 134*

Lab Sample ID: 570-1583-1 MSD
Matrix: Solid
Analysis Batch: 5151

Client Sample ID: HA24-0.5
Prep Type: Total/NA
Prep Batch: 5167

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	ND	F1 F2	1.97	1.320		mg/Kg		67	48 - 114	13	23

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: 570-1583-1 MSD
Matrix: Solid
Analysis Batch: 5151

Client Sample ID: HA24-0.5
Prep Type: Total/NA
Prep Batch: 5167

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*104*		*42 - 126*

Lab Sample ID: MB 570-5180/1-A
Matrix: Solid
Analysis Batch: 5151

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5180

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		4.0		mg/Kg		07/15/19 12:24	07/15/19 13:43	20

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*93*		*42 - 126*	*07/15/19 12:24*	*07/15/19 13:43*	*20*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-5081/1-A
Matrix: Water
Analysis Batch: 5651

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5081

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C13-C14	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C15-C16	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C17-C18	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C19-C20	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C21-C22	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C23-C24	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C25-C28	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C29-C32	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C33-C36	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C37-C40	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C41-C44	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C9-C10	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C6 as C6	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C7 as C7	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C8 as C8	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	*109*		*68 - 140*	*07/14/19 11:42*	*07/17/19 11:53*	*1*

Lab Sample ID: LCS 570-5081/2-A
Matrix: Water
Analysis Batch: 5651

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5081

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	2000	2143		ug/L		107	69 - 123

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 570-5081/2-A
Matrix: Water
Analysis Batch: 5651

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5081

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	*109*		*68 - 140*

Lab Sample ID: LCSD 570-5081/3-A
Matrix: Water
Analysis Batch: 5651

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5081

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	2000	2250		ug/L		113	69 - 123	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane (Surr)	*116*		*68 - 140*

Lab Sample ID: MB 570-5396/1-A
Matrix: Solid
Analysis Batch: 5586

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5396

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C13-C14	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C15-C16	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C17-C18	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C19-C20	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C21-C22	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C23-C24	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C25-C28	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C29-C32	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C33-C36	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C37-C40	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C41-C44	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C9-C10	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C6 as C6	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C7 as C7	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C8 as C8	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	*81*		*61 - 145*	*07/16/19 11:34*	*07/16/19 20:14*	*1*

Lab Sample ID: LCS 570-5396/2-A
Matrix: Solid
Analysis Batch: 5586

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5396

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	396	393.1		mg/Kg		99	67 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	*97*		*61 - 145*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: 570-1478-A-1-C MS
Client Sample ID: Matrix Spike
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 5586
Prep Batch: 5396

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	8.4		400	392.8		mg/Kg		96	33 - 153

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*94*		*61 - 145*

Lab Sample ID: 570-1478-A-1-D MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 5586
Prep Batch: 5396

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	8.4		396	429.2		mg/Kg		106	33 - 153	9	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*95*		*61 - 145*

Lab Sample ID: MB 570-5461/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 5469
Prep Batch: 5461

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C13-C14	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C15-C16	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C17-C18	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C19-C20	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C21-C22	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C23-C24	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C25-C28	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C29-C32	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C33-C36	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C37-C40	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C41-C44	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C9-C10	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C6 as C6	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C7 as C7	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C8 as C8	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*95*		*61 - 145*	*07/16/19 13:38*	*07/17/19 01:19*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 570-5461/2-A
Matrix: Solid
Analysis Batch: 5469

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5461

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]			400	430.0		mg/Kg		108	67 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*109*		*61 - 145*

Lab Sample ID: 570-1646-A-1-H MS
Matrix: Solid
Analysis Batch: 5469

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 5461

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	12		400	348.4		mg/Kg		84	33 - 153

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*86*		*61 - 145*

Lab Sample ID: 570-1646-A-1-I MSD
Matrix: Solid
Analysis Batch: 5469

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 5461

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	12		392	302.8		mg/Kg		74	33 - 153	14	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*71*		*61 - 145*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 570-4917/1-A
Matrix: Solid
Analysis Batch: 5841

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4917

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
4,4'-DDE	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
4,4'-DDT	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
Aldrin	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
alpha-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
beta-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
Chlordane	ND		25		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
delta-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
Dieldrin	ND		1.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
Endosulfan I	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
Endosulfan II	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
Endosulfan sulfate	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
Endrin	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
Endrin aldehyde	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 570-4917/1-A
Matrix: Solid
Analysis Batch: 5841

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4917

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Endrin ketone	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
gamma-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
Heptachlor	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
Heptachlor epoxide	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
Methoxychlor	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
Toxaphene	ND		25		ug/Kg		07/12/19 20:20	07/18/19 05:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*85*		*25 - 145*	*07/12/19 20:20*	*07/18/19 05:55*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*24 - 168*	*07/12/19 20:20*	*07/18/19 05:55*	*1*

Lab Sample ID: LCS 570-4917/2-A
Matrix: Solid
Analysis Batch: 5841

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4917

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	25.0	20.70		ug/Kg		83	50 - 135
4,4'-DDE	25.0	19.62		ug/Kg		78	50 - 135
4,4'-DDT	25.0	21.15		ug/Kg		85	50 - 135
Aldrin	25.0	18.35		ug/Kg		73	50 - 135
alpha-BHC	25.0	21.85		ug/Kg		87	50 - 135
beta-BHC	25.0	20.79		ug/Kg		83	50 - 135
delta-BHC	25.0	22.22		ug/Kg		89	50 - 135
Dieldrin	25.0	20.96		ug/Kg		84	50 - 135
Endosulfan I	25.0	21.52		ug/Kg		86	50 - 135
Endosulfan II	25.0	21.27		ug/Kg		85	50 - 135
Endosulfan sulfate	25.0	20.69		ug/Kg		83	50 - 135
Endrin	25.0	20.78		ug/Kg		83	50 - 135
Endrin aldehyde	25.0	19.76		ug/Kg		79	50 - 135
gamma-BHC	25.0	21.63		ug/Kg		87	50 - 135
Heptachlor	25.0	20.44		ug/Kg		82	50 - 135
Heptachlor epoxide	25.0	20.74		ug/Kg		83	50 - 135
Methoxychlor	25.0	18.71		ug/Kg		75	50 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*87*		*25 - 145*
DCB Decachlorobiphenyl (Surr)	*83*		*24 - 168*

Lab Sample ID: 570-1583-4 MS
Matrix: Solid
Analysis Batch: 5841

Client Sample ID: HA25-0.5
Prep Type: Total/NA
Prep Batch: 4917

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		24.9	21.06		ug/Kg		84	50 - 135
4,4'-DDE	ND		24.9	21.78		ug/Kg		87	50 - 135
4,4'-DDT	ND		24.9	20.23		ug/Kg		81	50 - 135
Aldrin	ND		24.9	18.07		ug/Kg		72	50 - 135
alpha-BHC	ND		24.9	17.57		ug/Kg		70	50 - 135

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 570-1583-4 MS
Matrix: Solid
Analysis Batch: 5841

Client Sample ID: HA25-0.5
Prep Type: Total/NA
Prep Batch: 4917

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
beta-BHC	ND		24.9	20.27		ug/Kg		81	50 - 135
delta-BHC	ND		24.9	20.94		ug/Kg		84	50 - 135
Dieldrin	ND		24.9	19.95		ug/Kg		80	50 - 135
Endosulfan I	ND		24.9	18.92		ug/Kg		76	50 - 135
Endosulfan II	ND		24.9	19.99		ug/Kg		80	50 - 135
Endosulfan sulfate	ND		24.9	18.86		ug/Kg		76	50 - 135
Endrin	ND		24.9	21.26		ug/Kg		85	50 - 135
Endrin aldehyde	ND		24.9	17.24		ug/Kg		69	50 - 135
gamma-BHC	ND		24.9	18.69		ug/Kg		75	50 - 135
Heptachlor	ND		24.9	16.91		ug/Kg		68	50 - 135
Heptachlor epoxide	ND		24.9	19.21		ug/Kg		77	50 - 135
Methoxychlor	ND		24.9	18.52		ug/Kg		74	50 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*61*		*25 - 145*
DCB Decachlorobiphenyl (Surr)	*78*		*24 - 168*

Lab Sample ID: 570-1583-4 MSD
Matrix: Solid
Analysis Batch: 5841

Client Sample ID: HA25-0.5
Prep Type: Total/NA
Prep Batch: 4917

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		25.0	20.47		ug/Kg		82	50 - 135	3	25
4,4'-DDE	ND		25.0	21.05		ug/Kg		84	50 - 135	3	25
4,4'-DDT	ND		25.0	18.84		ug/Kg		75	50 - 135	7	25
Aldrin	ND		25.0	17.52		ug/Kg		70	50 - 135	3	25
alpha-BHC	ND		25.0	17.13		ug/Kg		68	50 - 135	3	25
beta-BHC	ND		25.0	19.61		ug/Kg		78	50 - 135	3	25
delta-BHC	ND		25.0	20.21		ug/Kg		81	50 - 135	4	25
Dieldrin	ND		25.0	19.32		ug/Kg		77	50 - 135	3	25
Endosulfan I	ND		25.0	18.29		ug/Kg		73	50 - 135	3	25
Endosulfan II	ND		25.0	19.11		ug/Kg		76	50 - 135	5	25
Endosulfan sulfate	ND		25.0	18.24		ug/Kg		73	50 - 135	3	25
Endrin	ND		25.0	20.48		ug/Kg		82	50 - 135	4	25
Endrin aldehyde	ND		25.0	16.56		ug/Kg		66	50 - 135	4	25
gamma-BHC	ND		25.0	18.19		ug/Kg		73	50 - 135	3	25
Heptachlor	ND		25.0	16.48		ug/Kg		66	50 - 135	3	25
Heptachlor epoxide	ND		25.0	18.56		ug/Kg		74	50 - 135	3	25
Methoxychlor	ND		25.0	17.58		ug/Kg		70	50 - 135	5	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*59*		*25 - 145*
DCB Decachlorobiphenyl (Surr)	*77*		*24 - 168*

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 570-4936/1-A
Matrix: Water
Analysis Batch: 5371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4936

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050		ug/L		07/13/19 07:33	07/16/19 13:11	1
4,4'-DDE	ND		0.020		ug/L		07/13/19 07:33	07/16/19 13:11	1
4,4'-DDT	ND		0.050		ug/L		07/13/19 07:33	07/16/19 13:11	1
Aldrin	ND		0.050		ug/L		07/13/19 07:33	07/16/19 13:11	1
alpha-BHC	ND		0.020		ug/L		07/13/19 07:33	07/16/19 13:11	1
beta-BHC	ND		0.020		ug/L		07/13/19 07:33	07/16/19 13:11	1
Chlordane	ND		0.10		ug/L		07/13/19 07:33	07/16/19 13:11	1
delta-BHC	ND		0.020		ug/L		07/13/19 07:33	07/16/19 13:11	1
Dieldrin	ND		0.050		ug/L		07/13/19 07:33	07/16/19 13:11	1
Endosulfan I	ND		0.050		ug/L		07/13/19 07:33	07/16/19 13:11	1
Endosulfan II	ND		0.050		ug/L		07/13/19 07:33	07/16/19 13:11	1
Endosulfan sulfate	ND		0.050		ug/L		07/13/19 07:33	07/16/19 13:11	1
Endrin	ND		0.020		ug/L		07/13/19 07:33	07/16/19 13:11	1
Endrin aldehyde	ND		0.10		ug/L		07/13/19 07:33	07/16/19 13:11	1
Endrin ketone	ND		0.050		ug/L		07/13/19 07:33	07/16/19 13:11	1
gamma-BHC	ND		0.020		ug/L		07/13/19 07:33	07/16/19 13:11	1
Heptachlor	ND		0.020		ug/L		07/13/19 07:33	07/16/19 13:11	1
Heptachlor epoxide	ND		0.020		ug/L		07/13/19 07:33	07/16/19 13:11	1
Methoxychlor	ND		0.050		ug/L		07/13/19 07:33	07/16/19 13:11	1
Toxaphene	ND		0.30		ug/L		07/13/19 07:33	07/16/19 13:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*88*		*50 - 135*	*07/13/19 07:33*	*07/16/19 13:11*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*50 - 135*	*07/13/19 07:33*	*07/16/19 13:11*	*1*

Lab Sample ID: LCS 570-4936/2-A
Matrix: Water
Analysis Batch: 5371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4936

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.250	0.2337		ug/L		93	50 - 135
4,4'-DDE	0.250	0.2398		ug/L		96	50 - 135
4,4'-DDT	0.250	0.2264		ug/L		91	50 - 135
Aldrin	0.250	0.2175		ug/L		87	50 - 135
alpha-BHC	0.250	0.2255		ug/L		90	50 - 135
beta-BHC	0.250	0.2225		ug/L		89	50 - 135
delta-BHC	0.250	0.2323		ug/L		93	50 - 135
Dieldrin	0.250	0.2239		ug/L		90	50 - 135
Endosulfan I	0.250	0.2230		ug/L		89	50 - 135
Endosulfan II	0.250	0.2197		ug/L		88	50 - 135
Endosulfan sulfate	0.250	0.2195		ug/L		88	50 - 135
Endrin	0.250	0.2291		ug/L		92	50 - 135
Endrin aldehyde	0.250	0.2048		ug/L		82	50 - 135
gamma-BHC	0.250	0.2266		ug/L		91	50 - 135
Heptachlor	0.250	0.2155		ug/L		86	50 - 135
Heptachlor epoxide	0.250	0.2246		ug/L		90	50 - 135
Methoxychlor	0.250	0.2134		ug/L		85	50 - 135

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 570-4936/2-A
Matrix: Water
Analysis Batch: 5371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4936

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	*85*		*50 - 135*
DCB Decachlorobiphenyl (Surr)	*77*		*50 - 135*

Lab Sample ID: LCSD 570-4936/3-A
Matrix: Water
Analysis Batch: 5371

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4936

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.250	0.2342		ug/L		94	50 - 135	0	25
4,4'-DDE	0.250	0.2443		ug/L		98	50 - 135	2	25
4,4'-DDT	0.250	0.2292		ug/L		92	50 - 135	1	25
Aldrin	0.250	0.2270		ug/L		91	50 - 135	4	25
alpha-BHC	0.250	0.2462		ug/L		98	50 - 135	9	25
beta-BHC	0.250	0.2318		ug/L		93	50 - 135	4	25
delta-BHC	0.250	0.2419		ug/L		97	50 - 135	4	25
Dieldrin	0.250	0.2297		ug/L		92	50 - 135	3	25
Endosulfan I	0.250	0.2299		ug/L		92	50 - 135	3	25
Endosulfan II	0.250	0.2243		ug/L		90	50 - 135	2	25
Endosulfan sulfate	0.250	0.2220		ug/L		89	50 - 135	1	25
Endrin	0.250	0.2365		ug/L		95	50 - 135	3	25
Endrin aldehyde	0.250	0.2096		ug/L		84	50 - 135	2	25
gamma-BHC	0.250	0.2383		ug/L		95	50 - 135	5	25
Heptachlor	0.250	0.2245		ug/L		90	50 - 135	4	25
Heptachlor epoxide	0.250	0.2319		ug/L		93	50 - 135	3	25
Methoxychlor	0.250	0.2119		ug/L		85	50 - 135	1	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene	*90*		*50 - 135*
DCB Decachlorobiphenyl (Surr)	*77*		*50 - 135*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 570-4917/1-A
Matrix: Solid
Analysis Batch: 5937

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4917

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50	ug/Kg		07/12/19 20:20	07/18/19 16:02	1
PCB-1221	ND		50	ug/Kg		07/12/19 20:20	07/18/19 16:02	1
PCB-1232	ND		50	ug/Kg		07/12/19 20:20	07/18/19 16:02	1
PCB-1242	ND		50	ug/Kg		07/12/19 20:20	07/18/19 16:02	1
PCB-1248	ND		50	ug/Kg		07/12/19 20:20	07/18/19 16:02	1
PCB-1254	ND		50	ug/Kg		07/12/19 20:20	07/18/19 16:02	1
PCB-1260	ND		50	ug/Kg		07/12/19 20:20	07/18/19 16:02	1
PCB-1262	ND		50	ug/Kg		07/12/19 20:20	07/18/19 16:02	1
PCB-1268	ND		50	ug/Kg		07/12/19 20:20	07/18/19 16:02	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 570-4917/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5937 **Prep Batch: 4917**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	85		24 - 168	07/12/19 20:20	07/18/19 16:02	1
Tetrachloro-m-xylene	86		25 - 145	07/12/19 20:20	07/18/19 16:02	1

Lab Sample ID: LCS 570-4917/5-B **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5937 **Prep Batch: 4917**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	100	99.33		ug/Kg		99	50 - 135
PCB-1260	100	89.68		ug/Kg		90	50 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	88		24 - 168
Tetrachloro-m-xylene	87		25 - 145

Lab Sample ID: 570-1583-1 MS **Client Sample ID: HA24-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5937 **Prep Batch: 4917**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		99.3	91.18		ug/Kg		92	50 - 135
PCB-1260	ND		99.3	93.62		ug/Kg		94	50 - 135

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	88		24 - 168
Tetrachloro-m-xylene	76		25 - 145

Lab Sample ID: 570-1583-1 MSD **Client Sample ID: HA24-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5937 **Prep Batch: 4917**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		98.7	97.15		ug/Kg		98	50 - 135	11	20
PCB-1260	ND		98.7	96.30		ug/Kg		98	50 - 135	7	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	92		24 - 168
Tetrachloro-m-xylene	78		25 - 145

Lab Sample ID: MB 570-4936/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5088 **Prep Batch: 4936**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	ug/L		07/13/19 07:33	07/14/19 15:44	1
PCB-1221	ND		0.50	ug/L		07/13/19 07:33	07/14/19 15:44	1
PCB-1232	ND		0.50	ug/L		07/13/19 07:33	07/14/19 15:44	1
PCB-1242	ND		0.50	ug/L		07/13/19 07:33	07/14/19 15:44	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 570-4936/1-A
Matrix: Water
Analysis Batch: 5088

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4936

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		0.50	ug/L		07/13/19 07:33	07/14/19 15:44	1
PCB-1254	ND		0.50	ug/L		07/13/19 07:33	07/14/19 15:44	1
PCB-1260	ND		0.50	ug/L		07/13/19 07:33	07/14/19 15:44	1
PCB-1262	ND		0.50	ug/L		07/13/19 07:33	07/14/19 15:44	1
PCB-1268	ND		0.50	ug/L		07/13/19 07:33	07/14/19 15:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*50 - 135*	*07/13/19 07:33*	*07/14/19 15:44*	*1*
Tetrachloro-m-xylene	*90*		*50 - 135*	*07/13/19 07:33*	*07/14/19 15:44*	*1*

Lab Sample ID: LCS 570-4936/4-A
Matrix: Water
Analysis Batch: 5088

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4936

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.00	1.006		ug/L		101	50 - 135
PCB-1260	1.00	0.7828		ug/L		78	50 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*77*		*50 - 135*
Tetrachloro-m-xylene	*90*		*50 - 135*

Lab Sample ID: LCSD 570-4936/5-A
Matrix: Water
Analysis Batch: 5088

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 4936

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	1.00	1.065		ug/L		106	50 - 135	6	25
PCB-1260	1.00	0.8492		ug/L		85	50 - 135	8	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*81*		*50 - 135*
Tetrachloro-m-xylene	*94*		*50 - 135*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-5890/1-A
Matrix: Solid
Analysis Batch: 7185

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5890

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.513	mg/Kg		07/17/19 17:00	07/23/19 14:03	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 570-5890/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7185 **Prep Batch: 5890**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	24.9	25.92		mg/Kg		104	80 - 120

Lab Sample ID: LCSD 570-5890/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7185 **Prep Batch: 5890**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	25.1	26.85		mg/Kg		107	80 - 120	4	20

Lab Sample ID: 570-1583-1 MS **Client Sample ID: HA24-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7185 **Prep Batch: 5890**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	4.22		25.0	28.76		mg/Kg		98	75 - 125

Lab Sample ID: 570-1583-1 MSD **Client Sample ID: HA24-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7185 **Prep Batch: 5890**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	4.22		25.1	28.69		mg/Kg		97	75 - 125	0	20

Lab Sample ID: MB 570-6529/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 7721 **Prep Batch: 6529**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0500	mg/L		07/20/19 08:00	07/24/19 21:13	1

Lab Sample ID: LCS 570-6529/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 7721 **Prep Batch: 6529**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.500	0.5366		mg/L		107	80 - 120

Lab Sample ID: LCSD 570-6529/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 7721 **Prep Batch: 6529**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	0.500	0.5327		mg/L		107	80 - 120	1	20

Lab Sample ID: 570-1712-C-2-C MS **Client Sample ID: Matrix Spike**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 7721 **Prep Batch: 6529**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	ND	F2 F1	0.500	0.3268	F1	mg/L		61	84 - 120

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Method: 6010B - Metals (ICP)

Lab Sample ID: 570-1712-C-2-D MSD
Matrix: Water
Analysis Batch: 7721

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 6529

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND	F2 F1	0.500	0.3826	F2 F1	mg/L		72	84 - 120	16	7

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 570-5648/1-A
Matrix: Water
Analysis Batch: 6304

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5648

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00100		mg/L		07/16/19 14:00	07/18/19 13:20	1

Lab Sample ID: LCS 570-5648/2-A
Matrix: Water
Analysis Batch: 6304

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5648

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.100	0.1051		mg/L		105	80 - 120

Lab Sample ID: LCSD 570-5648/3-A
Matrix: Water
Analysis Batch: 6304

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5648

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.100	0.1077		mg/L		108	80 - 120	2	20

Lab Sample ID: 570-1904-H-2-B MS ^5
Matrix: Water
Analysis Batch: 6304

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 5648

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		0.100	0.1005		mg/L		100	73 - 127

Lab Sample ID: 570-1904-H-2-C MSD ^5
Matrix: Water
Analysis Batch: 6304

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 5648

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		0.100	0.1024		mg/L		102	73 - 127	2	11

Lab Sample ID: MB 570-5851/1-A
Matrix: Solid
Analysis Batch: 7344

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5851

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.05		mg/Kg		07/18/19 10:00	07/23/19 22:30	100

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 570-5851/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7509 **Prep Batch: 5851**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			25.8	26.56		mg/Kg		103	80 - 120		

Lab Sample ID: LCSD 570-5851/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7509 **Prep Batch: 5851**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic			25.0	25.79		mg/Kg		103	80 - 120	3	20

Lab Sample ID: 570-1583-1 MS **Client Sample ID: HA24-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7344 **Prep Batch: 5851**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic	ND		25.0	30.43		mg/Kg		112	72 - 132		

Lab Sample ID: 570-1583-1 MSD **Client Sample ID: HA24-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7344 **Prep Batch: 5851**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		25.0	30.39		mg/Kg		111	72 - 132	0	13

QC Association Summary

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

GC/MS VOA

Prep Batch: 5045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-1	HA24-0.5	Total/NA	Solid	5035	
570-1583-4	HA25-0.5	Total/NA	Solid	5035	
570-1583-7	HA26-0.5	Total/NA	Solid	5035	
570-1583-10	HA28-0.5	Total/NA	Solid	5035	
570-1583-13	HA28-0.5 DUP	Total/NA	Solid	5035	
570-1583-14	HA29-0.5	Total/NA	Solid	5035	
570-1583-17	HA30-0.5	Total/NA	Solid	5035	
570-1583-20	HA31-0.5	Total/NA	Solid	5035	
570-1583-23	HA32-0.5	Total/NA	Solid	5035	
570-1583-26	HA33-0.5	Total/NA	Solid	5035	
570-1583-29	HA33-0.5 DUP	Total/NA	Solid	5035	
570-1583-30	HA34-0.5	Total/NA	Solid	5035	
570-1583-33	HA35-0.5	Total/NA	Solid	5035	
570-1583-36	HA36-0.5	Total/NA	Solid	5035	
570-1583-39	HA37-0.5	Total/NA	Solid	5035	

Analysis Batch: 5144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-7	HA26-0.5	Total/NA	Solid	8260B	5045
570-1583-10	HA28-0.5	Total/NA	Solid	8260B	5045
570-1583-13	HA28-0.5 DUP	Total/NA	Solid	8260B	5045
MB 570-5207/1-A	Method Blank	Total/NA	Solid	8260B	5207
MB 570-5209/1-A	Method Blank	Total/NA	Solid	8260B	5209
LCS 570-5144/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-5144/5	Lab Control Sample Dup	Total/NA	Solid	8260B	

Prep Batch: 5207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-5207/1-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 5209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-5209/1-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 5343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-5343/3-A	Method Blank	Total/NA	Solid	5035	
LCS 570-5343/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 570-5343/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 5345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-5345/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 5355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-1	HA24-0.5	Total/NA	Solid	8260B	5045
570-1583-4	HA25-0.5	Total/NA	Solid	8260B	5045
570-1583-14	HA29-0.5	Total/NA	Solid	8260B	5045
570-1583-17	HA30-0.5	Total/NA	Solid	8260B	5045
570-1583-20	HA31-0.5	Total/NA	Solid	8260B	5045

GC/MS VOA (Continued)

Analysis Batch: 5355 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-23	HA32-0.5	Total/NA	Solid	8260B	5045
570-1583-26	HA33-0.5	Total/NA	Solid	8260B	5045
570-1583-29	HA33-0.5 DUP	Total/NA	Solid	8260B	5045
570-1583-30	HA34-0.5	Total/NA	Solid	8260B	5045
MB 570-5343/3-A	Method Blank	Total/NA	Solid	8260B	5343
MB 570-5345/1-A	Method Blank	Total/NA	Solid	8260B	5345
LCS 570-5343/1-A	Lab Control Sample	Total/NA	Solid	8260B	5343
LCSD 570-5343/2-A	Lab Control Sample Dup	Total/NA	Solid	8260B	5343

Analysis Batch: 5489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-42	EB3	Total/NA	Water	8260B	
MB 570-5489/9	Method Blank	Total/NA	Water	8260B	
LCS 570-5489/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-5489/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 6229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-33	HA35-0.5	Total/NA	Solid	8260B	5045
570-1583-36	HA36-0.5	Total/NA	Solid	8260B	5045
570-1583-39	HA37-0.5	Total/NA	Solid	8260B	5045
MB 570-6233/3-A	Method Blank	Total/NA	Solid	8260B	6233
LCS 570-6233/1-A	Lab Control Sample	Total/NA	Solid	8260B	6233
LCSD 570-6233/2-A	Lab Control Sample Dup	Total/NA	Solid	8260B	6233

Prep Batch: 6233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-6233/3-A	Method Blank	Total/NA	Solid	5035	
LCS 570-6233/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 570-6233/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 4921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-1	HA24-0.5	Total/NA	Solid	3545	
570-1583-4	HA25-0.5	Total/NA	Solid	3545	
570-1583-7	HA26-0.5	Total/NA	Solid	3545	
570-1583-10	HA28-0.5	Total/NA	Solid	3545	
570-1583-13	HA28-0.5 DUP	Total/NA	Solid	3545	
570-1583-14	HA29-0.5	Total/NA	Solid	3545	
570-1583-17	HA30-0.5	Total/NA	Solid	3545	
570-1583-20	HA31-0.5	Total/NA	Solid	3545	
570-1583-23	HA32-0.5	Total/NA	Solid	3545	
570-1583-26	HA33-0.5	Total/NA	Solid	3545	
570-1583-30	HA34-0.5	Total/NA	Solid	3545	
570-1583-33	HA35-0.5	Total/NA	Solid	3545	
570-1583-36	HA36-0.5	Total/NA	Solid	3545	
570-1583-39	HA37-0.5	Total/NA	Solid	3545	
MB 570-4921/1-A	Method Blank	Total/NA	Solid	3545	
LCS 570-4921/2-A	Lab Control Sample	Total/NA	Solid	3545	

GC/MS Semi VOA (Continued)

Prep Batch: 4921 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-14 MS	HA29-0.5	Total/NA	Solid	3545	
570-1583-14 MSD	HA29-0.5	Total/NA	Solid	3545	

Prep Batch: 4949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-42	EB3	Total/NA	Water	3510C	
MB 570-4949/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-4949/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-4949/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 5257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-42	EB3	Total/NA	Water	8270C	4949
MB 570-4949/1-A	Method Blank	Total/NA	Water	8270C	4949
LCS 570-4949/2-A	Lab Control Sample	Total/NA	Water	8270C	4949
LCSD 570-4949/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	4949

Analysis Batch: 5363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-1	HA24-0.5	Total/NA	Solid	8270C	4921
570-1583-4	HA25-0.5	Total/NA	Solid	8270C	4921
570-1583-7	HA26-0.5	Total/NA	Solid	8270C	4921
570-1583-10	HA28-0.5	Total/NA	Solid	8270C	4921
570-1583-13	HA28-0.5 DUP	Total/NA	Solid	8270C	4921
570-1583-14	HA29-0.5	Total/NA	Solid	8270C	4921
570-1583-17	HA30-0.5	Total/NA	Solid	8270C	4921
570-1583-20	HA31-0.5	Total/NA	Solid	8270C	4921
570-1583-23	HA32-0.5	Total/NA	Solid	8270C	4921
570-1583-26	HA33-0.5	Total/NA	Solid	8270C	4921
570-1583-30	HA34-0.5	Total/NA	Solid	8270C	4921
570-1583-33	HA35-0.5	Total/NA	Solid	8270C	4921
570-1583-36	HA36-0.5	Total/NA	Solid	8270C	4921
570-1583-39	HA37-0.5	Total/NA	Solid	8270C	4921
MB 570-4921/1-A	Method Blank	Total/NA	Solid	8270C	4921
LCS 570-4921/2-A	Lab Control Sample	Total/NA	Solid	8270C	4921
570-1583-14 MS	HA29-0.5	Total/NA	Solid	8270C	4921
570-1583-14 MSD	HA29-0.5	Total/NA	Solid	8270C	4921

Prep Batch: 5599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-29	HA33-0.5 DUP	Total/NA	Solid	3545	
MB 570-5599/1-A	Method Blank	Total/NA	Solid	3545	
LCS 570-5599/2-A	Lab Control Sample	Total/NA	Solid	3545	
570-1583-29 MS	HA33-0.5 DUP	Total/NA	Solid	3545	
570-1583-29 MSD	HA33-0.5 DUP	Total/NA	Solid	3545	

Analysis Batch: 5946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-29	HA33-0.5 DUP	Total/NA	Solid	8270C	5599
MB 570-5599/1-A	Method Blank	Total/NA	Solid	8270C	5599
LCS 570-5599/2-A	Lab Control Sample	Total/NA	Solid	8270C	5599

GC/MS Semi VOA (Continued)

Analysis Batch: 5946 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-29 MS	HA33-0.5 DUP	Total/NA	Solid	8270C	5599
570-1583-29 MSD	HA33-0.5 DUP	Total/NA	Solid	8270C	5599

GC VOA

Prep Batch: 5013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-1	HA24-0.5	Total/NA	Solid	5030C	
570-1583-4	HA25-0.5	Total/NA	Solid	5030C	
570-1583-7	HA26-0.5	Total/NA	Solid	5030C	
570-1583-10	HA28-0.5	Total/NA	Solid	5030C	
570-1583-13	HA28-0.5 DUP	Total/NA	Solid	5030C	
570-1583-14	HA29-0.5	Total/NA	Solid	5030C	
570-1583-17	HA30-0.5	Total/NA	Solid	5030C	
570-1583-20	HA31-0.5	Total/NA	Solid	5030C	
570-1583-23	HA32-0.5	Total/NA	Solid	5030C	
570-1583-26	HA33-0.5	Total/NA	Solid	5030C	
570-1583-29	HA33-0.5 DUP	Total/NA	Solid	5030C	
570-1583-30	HA34-0.5	Total/NA	Solid	5030C	
570-1583-33	HA35-0.5	Total/NA	Solid	5030C	
570-1583-36	HA36-0.5	Total/NA	Solid	5030C	
570-1583-39	HA37-0.5	Total/NA	Solid	5030C	
MB 570-5013/3-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-5013/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-5013/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
570-1583-1 MS	HA24-0.5	Total/NA	Solid	5030C	

Analysis Batch: 5143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-42	EB3	Total/NA	Water	8015B	
MB 570-5143/6	Method Blank	Total/NA	Water	8015B	
LCS 570-5143/3	Lab Control Sample	Total/NA	Water	8015B	
LCSD 570-5143/4	Lab Control Sample Dup	Total/NA	Water	8015B	
570-1452-A-7 MS	Matrix Spike	Total/NA	Water	8015B	
570-1452-A-7 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	

Analysis Batch: 5151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-1	HA24-0.5	Total/NA	Solid	8015B	5013
570-1583-4	HA25-0.5	Total/NA	Solid	8015B	5013
570-1583-7	HA26-0.5	Total/NA	Solid	8015B	5013
570-1583-10	HA28-0.5	Total/NA	Solid	8015B	5013
570-1583-13	HA28-0.5 DUP	Total/NA	Solid	8015B	5013
570-1583-14	HA29-0.5	Total/NA	Solid	8015B	5013
570-1583-17	HA30-0.5	Total/NA	Solid	8015B	5013
570-1583-20	HA31-0.5	Total/NA	Solid	8015B	5013
570-1583-23	HA32-0.5	Total/NA	Solid	8015B	5013
570-1583-26	HA33-0.5	Total/NA	Solid	8015B	5013
570-1583-29	HA33-0.5 DUP	Total/NA	Solid	8015B	5013
570-1583-30	HA34-0.5	Total/NA	Solid	8015B	5013
570-1583-33	HA35-0.5	Total/NA	Solid	8015B	5013

GC VOA (Continued)

Analysis Batch: 5151 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-36	HA36-0.5	Total/NA	Solid	8015B	5013
570-1583-39	HA37-0.5	Total/NA	Solid	8015B	5013
MB 570-5013/3-A	Method Blank	Total/NA	Solid	8015B	5013
MB 570-5180/1-A	Method Blank	Total/NA	Solid	8015B	5180
LCS 570-5013/1-A	Lab Control Sample	Total/NA	Solid	8015B	5013
LCSD 570-5013/2-A	Lab Control Sample Dup	Total/NA	Solid	8015B	5013
570-1583-1 MS	HA24-0.5	Total/NA	Solid	8015B	5013
570-1583-1 MSD	HA24-0.5	Total/NA	Solid	8015B	5167

Prep Batch: 5167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-1 MSD	HA24-0.5	Total/NA	Solid	5030C	

Prep Batch: 5180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-5180/1-A	Method Blank	Total/NA	Solid	5030C	

GC Semi VOA

Prep Batch: 4917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-1	HA24-0.5	Total/NA	Solid	3545	
570-1583-4	HA25-0.5	Total/NA	Solid	3545	
570-1583-7	HA26-0.5	Total/NA	Solid	3545	
570-1583-10	HA28-0.5	Total/NA	Solid	3545	
570-1583-13	HA28-0.5 DUP	Total/NA	Solid	3545	
570-1583-14	HA29-0.5	Total/NA	Solid	3545	
570-1583-17	HA30-0.5	Total/NA	Solid	3545	
570-1583-20	HA31-0.5	Total/NA	Solid	3545	
570-1583-23	HA32-0.5	Total/NA	Solid	3545	
570-1583-26	HA33-0.5	Total/NA	Solid	3545	
570-1583-29	HA33-0.5 DUP	Total/NA	Solid	3545	
570-1583-30	HA34-0.5	Total/NA	Solid	3545	
570-1583-33	HA35-0.5	Total/NA	Solid	3545	
570-1583-36	HA36-0.5	Total/NA	Solid	3545	
570-1583-39	HA37-0.5	Total/NA	Solid	3545	
MB 570-4917/1-A	Method Blank	Total/NA	Solid	3545	
LCS 570-4917/2-A	Lab Control Sample	Total/NA	Solid	3545	
LCS 570-4917/5-B	Lab Control Sample	Total/NA	Solid	3545	
570-1583-1 MS	HA24-0.5	Total/NA	Solid	3545	
570-1583-1 MSD	HA24-0.5	Total/NA	Solid	3545	
570-1583-4 MS	HA25-0.5	Total/NA	Solid	3545	
570-1583-4 MSD	HA25-0.5	Total/NA	Solid	3545	

Prep Batch: 4936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-42	EB3	Total/NA	Water	3510C	
MB 570-4936/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-4936/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 570-4936/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-4936/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 4936 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 570-4936/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 5081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-42	EB3	Total/NA	Water	3510C	
MB 570-5081/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-5081/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-5081/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 5088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-42	EB3	Total/NA	Water	8082	4936
MB 570-4936/1-A	Method Blank	Total/NA	Water	8082	4936
LCS 570-4936/4-A	Lab Control Sample	Total/NA	Water	8082	4936
LCSD 570-4936/5-A	Lab Control Sample Dup	Total/NA	Water	8082	4936

Analysis Batch: 5371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-42	EB3	Total/NA	Water	8081A	4936
MB 570-4936/1-A	Method Blank	Total/NA	Water	8081A	4936
LCS 570-4936/2-A	Lab Control Sample	Total/NA	Water	8081A	4936
LCSD 570-4936/3-A	Lab Control Sample Dup	Total/NA	Water	8081A	4936

Prep Batch: 5396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-1	HA24-0.5	Total/NA	Solid	3550C	
570-1583-4	HA25-0.5	Total/NA	Solid	3550C	
570-1583-7	HA26-0.5	Total/NA	Solid	3550C	
570-1583-10	HA28-0.5	Total/NA	Solid	3550C	
570-1583-13	HA28-0.5 DUP	Total/NA	Solid	3550C	
570-1583-14	HA29-0.5	Total/NA	Solid	3550C	
570-1583-17	HA30-0.5	Total/NA	Solid	3550C	
570-1583-20	HA31-0.5	Total/NA	Solid	3550C	
570-1583-23	HA32-0.5	Total/NA	Solid	3550C	
570-1583-26	HA33-0.5	Total/NA	Solid	3550C	
570-1583-29	HA33-0.5 DUP	Total/NA	Solid	3550C	
570-1583-30	HA34-0.5	Total/NA	Solid	3550C	
570-1583-33	HA35-0.5	Total/NA	Solid	3550C	
MB 570-5396/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-5396/2-A	Lab Control Sample	Total/NA	Solid	3550C	
570-1478-A-1-C MS	Matrix Spike	Total/NA	Solid	3550C	
570-1478-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

Prep Batch: 5461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-36	HA36-0.5	Total/NA	Solid	3550C	
570-1583-39	HA37-0.5	Total/NA	Solid	3550C	
MB 570-5461/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-5461/2-A	Lab Control Sample	Total/NA	Solid	3550C	
570-1646-A-1-H MS	Matrix Spike	Total/NA	Solid	3550C	
570-1646-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

GC Semi VOA

Analysis Batch: 5469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-36	HA36-0.5	Total/NA	Solid	8015B	5461
570-1583-39	HA37-0.5	Total/NA	Solid	8015B	5461
MB 570-5461/1-A	Method Blank	Total/NA	Solid	8015B	5461
LCS 570-5461/2-A	Lab Control Sample	Total/NA	Solid	8015B	5461
570-1646-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B	5461
570-1646-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	5461

Analysis Batch: 5586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-1	HA24-0.5	Total/NA	Solid	8015B	5396
570-1583-4	HA25-0.5	Total/NA	Solid	8015B	5396
570-1583-7	HA26-0.5	Total/NA	Solid	8015B	5396
570-1583-10	HA28-0.5	Total/NA	Solid	8015B	5396
570-1583-13	HA28-0.5 DUP	Total/NA	Solid	8015B	5396
570-1583-14	HA29-0.5	Total/NA	Solid	8015B	5396
570-1583-17	HA30-0.5	Total/NA	Solid	8015B	5396
570-1583-20	HA31-0.5	Total/NA	Solid	8015B	5396
570-1583-23	HA32-0.5	Total/NA	Solid	8015B	5396
570-1583-26	HA33-0.5	Total/NA	Solid	8015B	5396
570-1583-29	HA33-0.5 DUP	Total/NA	Solid	8015B	5396
570-1583-30	HA34-0.5	Total/NA	Solid	8015B	5396
570-1583-33	HA35-0.5	Total/NA	Solid	8015B	5396
MB 570-5396/1-A	Method Blank	Total/NA	Solid	8015B	5396
LCS 570-5396/2-A	Lab Control Sample	Total/NA	Solid	8015B	5396
570-1478-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B	5396
570-1478-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	5396

Analysis Batch: 5651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-42	EB3	Total/NA	Water	8015B	5081
MB 570-5081/1-A	Method Blank	Total/NA	Water	8015B	5081
LCS 570-5081/2-A	Lab Control Sample	Total/NA	Water	8015B	5081
LCSD 570-5081/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	5081

Analysis Batch: 5841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-1	HA24-0.5	Total/NA	Solid	8081A	4917
570-1583-4	HA25-0.5	Total/NA	Solid	8081A	4917
570-1583-7	HA26-0.5	Total/NA	Solid	8081A	4917
570-1583-10	HA28-0.5	Total/NA	Solid	8081A	4917
570-1583-13	HA28-0.5 DUP	Total/NA	Solid	8081A	4917
MB 570-4917/1-A	Method Blank	Total/NA	Solid	8081A	4917
LCS 570-4917/2-A	Lab Control Sample	Total/NA	Solid	8081A	4917
570-1583-4 MS	HA25-0.5	Total/NA	Solid	8081A	4917
570-1583-4 MSD	HA25-0.5	Total/NA	Solid	8081A	4917

Analysis Batch: 5937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-1	HA24-0.5	Total/NA	Solid	8082	4917
570-1583-33	HA35-0.5	Total/NA	Solid	8082	4917
570-1583-36	HA36-0.5	Total/NA	Solid	8082	4917

GC Semi VOA (Continued)

Analysis Batch: 5937 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-4917/1-A	Method Blank	Total/NA	Solid	8082	4917
LCS 570-4917/5-B	Lab Control Sample	Total/NA	Solid	8082	4917
570-1583-1 MS	HA24-0.5	Total/NA	Solid	8082	4917
570-1583-1 MSD	HA24-0.5	Total/NA	Solid	8082	4917

Analysis Batch: 6127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-14	HA29-0.5	Total/NA	Solid	8081A	4917
570-1583-17	HA30-0.5	Total/NA	Solid	8081A	4917
570-1583-20	HA31-0.5	Total/NA	Solid	8081A	4917
570-1583-23	HA32-0.5	Total/NA	Solid	8081A	4917
570-1583-26	HA33-0.5	Total/NA	Solid	8081A	4917
570-1583-29	HA33-0.5 DUP	Total/NA	Solid	8081A	4917
570-1583-30	HA34-0.5	Total/NA	Solid	8081A	4917
570-1583-33	HA35-0.5	Total/NA	Solid	8081A	4917
570-1583-36	HA36-0.5	Total/NA	Solid	8081A	4917
570-1583-39	HA37-0.5	Total/NA	Solid	8081A	4917

Metals

Prep Batch: 5648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-42	EB3	Total/NA	Water	3020A	
MB 570-5648/1-A	Method Blank	Total/NA	Water	3020A	
LCS 570-5648/2-A	Lab Control Sample	Total/NA	Water	3020A	
LCSD 570-5648/3-A	Lab Control Sample Dup	Total/NA	Water	3020A	
570-1904-H-2-B MS ^5	Matrix Spike	Total/NA	Water	3020A	
570-1904-H-2-C MSD ^5	Matrix Spike Duplicate	Total/NA	Water	3020A	

Prep Batch: 5851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-1	HA24-0.5	Total/NA	Solid	3050B	
570-1583-4	HA25-0.5	Total/NA	Solid	3050B	
570-1583-7	HA26-0.5	Total/NA	Solid	3050B	
570-1583-10	HA28-0.5	Total/NA	Solid	3050B	
570-1583-13	HA28-0.5 DUP	Total/NA	Solid	3050B	
570-1583-14	HA29-0.5	Total/NA	Solid	3050B	
570-1583-17	HA30-0.5	Total/NA	Solid	3050B	
570-1583-20	HA31-0.5	Total/NA	Solid	3050B	
570-1583-23	HA32-0.5	Total/NA	Solid	3050B	
570-1583-26	HA33-0.5	Total/NA	Solid	3050B	
570-1583-29	HA33-0.5 DUP	Total/NA	Solid	3050B	
570-1583-30	HA34-0.5	Total/NA	Solid	3050B	
570-1583-33	HA35-0.5	Total/NA	Solid	3050B	
570-1583-36	HA36-0.5	Total/NA	Solid	3050B	
570-1583-39	HA37-0.5	Total/NA	Solid	3050B	
MB 570-5851/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-5851/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-5851/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-1583-1 MS	HA24-0.5	Total/NA	Solid	3050B	
570-1583-1 MSD	HA24-0.5	Total/NA	Solid	3050B	

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

Metals

Prep Batch: 5890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-1	HA24-0.5	Total/NA	Solid	3050B	
570-1583-4	HA25-0.5	Total/NA	Solid	3050B	
570-1583-7	HA26-0.5	Total/NA	Solid	3050B	
570-1583-10	HA28-0.5	Total/NA	Solid	3050B	
570-1583-13	HA28-0.5 DUP	Total/NA	Solid	3050B	
570-1583-14	HA29-0.5	Total/NA	Solid	3050B	
570-1583-17	HA30-0.5	Total/NA	Solid	3050B	
570-1583-20	HA31-0.5	Total/NA	Solid	3050B	
570-1583-23	HA32-0.5	Total/NA	Solid	3050B	
570-1583-26	HA33-0.5	Total/NA	Solid	3050B	
570-1583-29	HA33-0.5 DUP	Total/NA	Solid	3050B	
570-1583-30	HA34-0.5	Total/NA	Solid	3050B	
570-1583-33	HA35-0.5	Total/NA	Solid	3050B	
570-1583-36	HA36-0.5	Total/NA	Solid	3050B	
570-1583-39	HA37-0.5	Total/NA	Solid	3050B	
MB 570-5890/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-5890/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-5890/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-1583-1 MS	HA24-0.5	Total/NA	Solid	3050B	
570-1583-1 MSD	HA24-0.5	Total/NA	Solid	3050B	

Analysis Batch: 6304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-42	EB3	Total/NA	Water	6020	5648
MB 570-5648/1-A	Method Blank	Total/NA	Water	6020	5648
LCS 570-5648/2-A	Lab Control Sample	Total/NA	Water	6020	5648
LCSD 570-5648/3-A	Lab Control Sample Dup	Total/NA	Water	6020	5648
570-1904-H-2-B MS ^5	Matrix Spike	Total/NA	Water	6020	5648
570-1904-H-2-C MSD ^5	Matrix Spike Duplicate	Total/NA	Water	6020	5648

Prep Batch: 6529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-42	EB3	Total/NA	Water	3010A	
MB 570-6529/1-A	Method Blank	Total/NA	Water	3010A	
LCS 570-6529/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 570-6529/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
570-1712-C-2-C MS	Matrix Spike	Total/NA	Water	3010A	
570-1712-C-2-D MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Analysis Batch: 7185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-1	HA24-0.5	Total/NA	Solid	6010B	5890
570-1583-4	HA25-0.5	Total/NA	Solid	6010B	5890
570-1583-7	HA26-0.5	Total/NA	Solid	6010B	5890
570-1583-10	HA28-0.5	Total/NA	Solid	6010B	5890
570-1583-13	HA28-0.5 DUP	Total/NA	Solid	6010B	5890
MB 570-5890/1-A	Method Blank	Total/NA	Solid	6010B	5890
LCS 570-5890/2-A	Lab Control Sample	Total/NA	Solid	6010B	5890
LCSD 570-5890/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	5890
570-1583-1 MS	HA24-0.5	Total/NA	Solid	6010B	5890
570-1583-1 MSD	HA24-0.5	Total/NA	Solid	6010B	5890

Metals

Analysis Batch: 7344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-1	HA24-0.5	Total/NA	Solid	6020	5851
570-1583-4	HA25-0.5	Total/NA	Solid	6020	5851
570-1583-7	HA26-0.5	Total/NA	Solid	6020	5851
570-1583-10	HA28-0.5	Total/NA	Solid	6020	5851
570-1583-13	HA28-0.5 DUP	Total/NA	Solid	6020	5851
570-1583-17	HA30-0.5	Total/NA	Solid	6020	5851
570-1583-23	HA32-0.5	Total/NA	Solid	6020	5851
570-1583-26	HA33-0.5	Total/NA	Solid	6020	5851
570-1583-29	HA33-0.5 DUP	Total/NA	Solid	6020	5851
570-1583-30	HA34-0.5	Total/NA	Solid	6020	5851
570-1583-39	HA37-0.5	Total/NA	Solid	6020	5851
MB 570-5851/1-A	Method Blank	Total/NA	Solid	6020	5851
570-1583-1 MS	HA24-0.5	Total/NA	Solid	6020	5851
570-1583-1 MSD	HA24-0.5	Total/NA	Solid	6020	5851

Analysis Batch: 7360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-14	HA29-0.5	Total/NA	Solid	6010B	5890
570-1583-17	HA30-0.5	Total/NA	Solid	6010B	5890
570-1583-20	HA31-0.5	Total/NA	Solid	6010B	5890
570-1583-23	HA32-0.5	Total/NA	Solid	6010B	5890
570-1583-26	HA33-0.5	Total/NA	Solid	6010B	5890
570-1583-29	HA33-0.5 DUP	Total/NA	Solid	6010B	5890
570-1583-30	HA34-0.5	Total/NA	Solid	6010B	5890
570-1583-33	HA35-0.5	Total/NA	Solid	6010B	5890
570-1583-36	HA36-0.5	Total/NA	Solid	6010B	5890
570-1583-39	HA37-0.5	Total/NA	Solid	6010B	5890

Analysis Batch: 7504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-14	HA29-0.5	Total/NA	Solid	6020	5851
570-1583-20	HA31-0.5	Total/NA	Solid	6020	5851
570-1583-33	HA35-0.5	Total/NA	Solid	6020	5851
570-1583-36	HA36-0.5	Total/NA	Solid	6020	5851

Analysis Batch: 7509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-5851/2-A	Lab Control Sample	Total/NA	Solid	6020	5851
LCSD 570-5851/3-A	Lab Control Sample Dup	Total/NA	Solid	6020	5851

Analysis Batch: 7721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-42	EB3	Total/NA	Water	6010B	6529
MB 570-6529/1-A	Method Blank	Total/NA	Water	6010B	6529
LCS 570-6529/2-A	Lab Control Sample	Total/NA	Water	6010B	6529
LCSD 570-6529/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	6529
570-1712-C-2-C MS	Matrix Spike	Total/NA	Water	6010B	6529
570-1712-C-2-D MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	6529

Lab Chronicle

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

Client Sample ID: HA24-0.5
Date Collected: 07/10/19 14:02
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.6 g	5 mL	5045	07/13/19 16:03	G6NI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5355	07/16/19 15:19	J78Y	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Prep	3545			20.13 g	2 mL	4921	07/12/19 20:42	USUL	ECL 1
Total/NA	Analysis	8270C		1			5363	07/16/19 15:53	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			5.02 g	5 mL	5013	07/13/19 13:11	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	5151	07/15/19 14:16	CVA6	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.1 g	10 mL	5396	07/16/19 11:34	CL	ECL 1
Total/NA	Analysis	8015B		1			5586	07/17/19 00:12	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.14 g	10 mL	4917	07/12/19 20:20	USUL	ECL 1
Total/NA	Analysis	8081A		1			5841	07/18/19 09:00	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3545			20.14 g	10 mL	4917	07/12/19 20:20	USUL	ECL 1
Total/NA	Analysis	8082		1			5937	07/18/19 17:32	UJ3K	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.97 g	100 mL	5890	07/17/19 17:00	JG	ECL 1
Total/NA	Analysis	6010B		1			7185	07/23/19 14:09	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			2.09 g	100 mL	5851	07/18/19 10:00	JG	ECL 1
Total/NA	Analysis	6020		100			7344	07/23/19 22:40	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA25-0.5
Date Collected: 07/10/19 08:32
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.8 g	5 mL	5045	07/13/19 16:03	G6NI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5355	07/16/19 15:46	J78Y	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Prep	3545			20.12 g	2 mL	4921	07/12/19 20:42	USUL	ECL 1
Total/NA	Analysis	8270C		1			5363	07/16/19 16:11	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			4.93 g	5 mL	5013	07/13/19 13:11	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	5151	07/15/19 15:56	CVA6	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.2 g	10 mL	5396	07/16/19 11:34	CL	ECL 1
Total/NA	Analysis	8015B		1			5586	07/17/19 00:34	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			19.96 g	10 mL	4917	07/12/19 20:20	USUL	ECL 1
Total/NA	Analysis	8081A		1			5841	07/18/19 09:14	U6T2	ECL 1
	Instrument ID: GC44									

Lab Chronicle

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

Client Sample ID: HA25-0.5

Date Collected: 07/10/19 08:32
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.97 g	100 mL	5890	07/17/19 17:00	JG	ECL 1
Total/NA	Analysis	6010B		1			7185	07/23/19 14:15	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			1.94 g	100 mL	5851	07/18/19 10:00	JG	ECL 1
Total/NA	Analysis	6020		100			7344	07/23/19 22:51	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA26-0.5

Date Collected: 07/10/19 09:02
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.18 g	5 mL	5045	07/13/19 16:03	G6NI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5144	07/15/19 20:17	BE5H	ECL 2
	Instrument ID: GCMSGGG									
Total/NA	Prep	3545			20.13 g	2 mL	4921	07/12/19 20:42	USUL	ECL 1
Total/NA	Analysis	8270C		1			5363	07/16/19 16:30	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			5.09 g	5 mL	5013	07/13/19 13:11	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	5151	07/15/19 16:29	CVA6	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.1 g	10 mL	5396	07/16/19 11:34	CL	ECL 1
Total/NA	Analysis	8015B		1			5586	07/17/19 00:56	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.05 g	10 mL	4917	07/12/19 20:20	USUL	ECL 1
Total/NA	Analysis	8081A		1			5841	07/18/19 09:29	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			1.98 g	100 mL	5890	07/17/19 17:00	JG	ECL 1
Total/NA	Analysis	6010B		1			7185	07/23/19 14:17	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			2.06 g	100 mL	5851	07/18/19 10:00	JG	ECL 1
Total/NA	Analysis	6020		100			7344	07/23/19 23:02	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA28-0.5

Date Collected: 07/10/19 11:00
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.68 g	5 mL	5045	07/13/19 16:03	G6NI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5144	07/15/19 20:42	BE5H	ECL 2
	Instrument ID: GCMSGGG									
Total/NA	Prep	3545			20.30 g	2 mL	4921	07/12/19 20:42	USUL	ECL 1
Total/NA	Analysis	8270C		5			5363	07/16/19 16:48	N8CZ	ECL 1
	Instrument ID: GCMSCCC									

Client Sample ID: HA28-0.5 Lab Sample ID: 570-1583-10

Date Collected: 07/10/19 11:00 **Matrix: Solid**
Date Received: 07/11/19 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			4.98 g	5 mL	5013	07/13/19 13:11	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	5151	07/15/19 17:02	CVA6	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.0 g	10 mL	5396	07/16/19 11:34	CL	ECL 1
Total/NA	Analysis	8015B		1			5586	07/17/19 12:27	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.15 g	10 mL	4917	07/12/19 20:20	USUL	ECL 1
Total/NA	Analysis	8081A		1			5841	07/18/19 09:43	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			1.94 g	100 mL	5890	07/17/19 17:00	JG	ECL 1
Total/NA	Analysis	6010B		1			7185	07/23/19 14:19	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			1.99 g	100 mL	5851	07/18/19 10:00	JG	ECL 1
Total/NA	Analysis	6020		100			7344	07/23/19 23:05	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA28-0.5 DUP Lab Sample ID: 570-1583-13

Date Collected: 07/10/19 11:00 **Matrix: Solid**
Date Received: 07/11/19 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.44 g	5 mL	5045	07/13/19 16:03	G6NI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5144	07/15/19 21:08	BE5H	ECL 2
	Instrument ID: GCMSGGG									
Total/NA	Prep	3545			20.28 g	2 mL	4921	07/12/19 20:42	USUL	ECL 1
Total/NA	Analysis	8270C		2			5363	07/16/19 17:07	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			4.94 g	5 mL	5013	07/13/19 13:11	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	5151	07/15/19 17:35	CVA6	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.1 g	10 mL	5396	07/16/19 11:34	CL	ECL 1
Total/NA	Analysis	8015B		1			5586	07/17/19 01:39	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.02 g	10 mL	4917	07/12/19 20:20	USUL	ECL 1
Total/NA	Analysis	8081A		1			5841	07/18/19 09:57	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.01 g	100 mL	5890	07/17/19 17:00	JG	ECL 1
Total/NA	Analysis	6010B		1			7185	07/23/19 14:21	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			1.96 g	100 mL	5851	07/18/19 10:00	JG	ECL 1
Total/NA	Analysis	6020		100			7344	07/23/19 23:07	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA29-0.5 Lab Sample ID: 570-1583-14
Date Collected: 07/10/19 11:20 **Matrix: Solid**
Date Received: 07/11/19 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.1 g	5 mL	5045	07/13/19 16:03	G6NI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5355	07/16/19 16:13	J78Y	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Prep	3545			20.36 g	2 mL	4921	07/12/19 20:42	USUL	ECL 1
Total/NA	Analysis	8270C		2			5363	07/16/19 15:34	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			4.99 g	5 mL	5013	07/13/19 13:11	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	5151	07/15/19 18:08	CVA6	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.0 g	10 mL	5396	07/16/19 11:34	CL	ECL 1
Total/NA	Analysis	8015B		1			5586	07/17/19 02:22	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.12 g	10 mL	4917	07/12/19 20:20	USUL	ECL 1
Total/NA	Analysis	8081A		1			6127	07/19/19 13:28	UJ3K	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.09 g	100 mL	5890	07/17/19 17:00	JG	ECL 1
Total/NA	Analysis	6010B		1			7360	07/23/19 18:25	UEDN	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			1.98 g	100 mL	5851	07/18/19 10:00	JG	ECL 1
Total/NA	Analysis	6020		100	1.0 mL	1.0 mL	7504	07/24/19 12:15	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA30-0.5 Lab Sample ID: 570-1583-17
Date Collected: 07/10/19 11:46 **Matrix: Solid**
Date Received: 07/11/19 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.85 g	5 mL	5045	07/13/19 16:03	G6NI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5355	07/16/19 16:40	J78Y	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Prep	3545			20.36 g	2 mL	4921	07/12/19 20:42	USUL	ECL 1
Total/NA	Analysis	8270C		1			5363	07/16/19 17:25	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			4.96 g	5 mL	5013	07/13/19 13:11	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	5151	07/15/19 18:41	CVA6	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.1 g	10 mL	5396	07/16/19 11:34	CL	ECL 1
Total/NA	Analysis	8015B		1			5586	07/17/19 02:44	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.02 g	10 mL	4917	07/12/19 20:20	USUL	ECL 1
Total/NA	Analysis	8081A		1			6127	07/19/19 13:42	UJ3K	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.07 g	100 mL	5890	07/17/19 17:00	JG	ECL 1
Total/NA	Analysis	6010B		1			7360	07/23/19 18:27	UEDN	ECL 1
	Instrument ID: ICP8									

Client Sample ID: HA30-0.5
Lab Sample ID: 570-1583-17
Date Collected: 07/10/19 11:46
Matrix: Solid
Date Received: 07/11/19 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.06 g	100 mL	5851	07/18/19 10:00	JG	ECL 1
Total/NA	Analysis	6020		100			7344	07/23/19 23:13	UFLE	ECL 1
	Instrument ID:	ICPMS05								

Client Sample ID: HA31-0.5
Lab Sample ID: 570-1583-20
Date Collected: 07/10/19 10:32
Matrix: Solid
Date Received: 07/11/19 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.77 g	5 mL	5045	07/13/19 16:03	G6NI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5355	07/16/19 17:07	J78Y	ECL 2
	Instrument ID:	GCMSQQ								
Total/NA	Prep	3545			20.28 g	2 mL	4921	07/12/19 20:42	USUL	ECL 1
Total/NA	Analysis	8270C		2			5363	07/16/19 17:44	N8CZ	ECL 1
	Instrument ID:	GCMSCCC								
Total/NA	Prep	5030C			5.03 g	5 mL	5013	07/13/19 13:11	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	5151	07/15/19 19:14	CVA6	ECL 2
	Instrument ID:	GC25								
Total/NA	Prep	3550C			10.2 g	10 mL	5396	07/16/19 11:34	CL	ECL 1
Total/NA	Analysis	8015B		1			5586	07/17/19 03:05	I9H5	ECL 1
	Instrument ID:	GC48								
Total/NA	Prep	3545			20.03 g	10 mL	4917	07/12/19 20:20	USUL	ECL 1
Total/NA	Analysis	8081A		1			6127	07/19/19 13:56	UJ3K	ECL 1
	Instrument ID:	GC44								
Total/NA	Prep	3050B			2.08 g	100 mL	5890	07/17/19 17:00	JG	ECL 1
Total/NA	Analysis	6010B		1			7360	07/23/19 18:29	UEDN	ECL 1
	Instrument ID:	ICP8								
Total/NA	Prep	3050B			1.93 g	100 mL	5851	07/18/19 10:00	JG	ECL 1
Total/NA	Analysis	6020		100	1.0 mL	1.0 mL	7504	07/24/19 12:05	UFLE	ECL 1
	Instrument ID:	ICPMS05								

Client Sample ID: HA32-0.5
Lab Sample ID: 570-1583-23
Date Collected: 07/10/19 12:22
Matrix: Solid
Date Received: 07/11/19 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.94 g	5 mL	5045	07/13/19 16:03	G6NI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5355	07/16/19 17:34	J78Y	ECL 2
	Instrument ID:	GCMSQQ								
Total/NA	Prep	3545			20.35 g	2 mL	4921	07/12/19 20:42	USUL	ECL 1
Total/NA	Analysis	8270C		1			5363	07/16/19 18:02	N8CZ	ECL 1
	Instrument ID:	GCMSCCC								
Total/NA	Prep	5030C			4.93 g	5 mL	5013	07/13/19 13:11	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	5151	07/15/19 19:47	CVA6	ECL 2
	Instrument ID:	GC25								

Client Sample ID: HA32-0.5 Lab Sample ID: 570-1583-23

Date Collected: 07/10/19 12:22 **Matrix: Solid**
Date Received: 07/11/19 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.2 g	10 mL	5396	07/16/19 11:34	CL	ECL 1
Total/NA	Analysis	8015B		1			5586	07/17/19 03:27	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.24 g	10 mL	4917	07/12/19 20:20	USUL	ECL 1
Total/NA	Analysis	8081A		1			6127	07/19/19 14:11	UJ3K	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			2.02 g	100 mL	5890	07/17/19 17:00	JG	ECL 1
Total/NA	Analysis	6010B		1			7360	07/23/19 18:31	UEDN	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			1.90 g	100 mL	5851	07/18/19 10:00	JG	ECL 1
Total/NA	Analysis	6020		100			7344	07/23/19 23:18	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA33-0.5 Lab Sample ID: 570-1583-26

Date Collected: 07/10/19 12:47 **Matrix: Solid**
Date Received: 07/11/19 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.15 g	5 mL	5045	07/13/19 16:03	G6NI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5355	07/16/19 18:00	J78Y	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Prep	3545			20.18 g	2 mL	4921	07/12/19 20:42	USUL	ECL 1
Total/NA	Analysis	8270C		1			5363	07/16/19 18:21	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			5.00 g	5 mL	5013	07/13/19 13:11	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	5151	07/15/19 20:20	CVA6	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.1 g	10 mL	5396	07/16/19 12:07	CL	ECL 1
Total/NA	Analysis	8015B		1			5586	07/17/19 03:49	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.23 g	10 mL	4917	07/12/19 20:20	USUL	ECL 1
Total/NA	Analysis	8081A		1			6127	07/19/19 14:25	UJ3K	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			1.98 g	100 mL	5890	07/17/19 17:00	JG	ECL 1
Total/NA	Analysis	6010B		1			7360	07/23/19 18:33	UEDN	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			1.90 g	100 mL	5851	07/18/19 10:00	JG	ECL 1
Total/NA	Analysis	6020		100			7344	07/23/19 23:21	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA33-0.5 DUP **Lab Sample ID: 570-1583-29**
Date Collected: 07/10/19 12:47 **Matrix: Solid**
Date Received: 07/11/19 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.57 g	5 mL	5045	07/13/19 16:03	G6NI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5355	07/16/19 18:27	J78Y	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Prep	3545			20.20 g	2 mL	5599	07/16/19 20:15	USUL	ECL 1
Total/NA	Analysis	8270C		1			5946	07/18/19 13:27	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			5.10 g	5 mL	5013	07/13/19 13:11	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	5151	07/15/19 21:59	CVA6	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.1 g	10 mL	5396	07/16/19 12:07	CL	ECL 1
Total/NA	Analysis	8015B		1			5586	07/17/19 04:10	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.16 g	10 mL	4917	07/12/19 20:20	USUL	ECL 1
Total/NA	Analysis	8081A		1			6127	07/19/19 14:39	UJ3K	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			1.95 g	100 mL	5890	07/17/19 17:00	JG	ECL 1
Total/NA	Analysis	6010B		1			7360	07/23/19 18:35	UEDN	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			1.91 g	100 mL	5851	07/18/19 10:00	JG	ECL 1
Total/NA	Analysis	6020		100			7344	07/23/19 23:24	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA34-0.5 **Lab Sample ID: 570-1583-30**
Date Collected: 07/10/19 10:02 **Matrix: Solid**
Date Received: 07/11/19 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3.21 g	5 mL	5045	07/13/19 16:03	G6NI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	5355	07/16/19 18:54	J78Y	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Prep	3545			20.46 g	2 mL	4921	07/12/19 20:42	USUL	ECL 1
Total/NA	Analysis	8270C		10			5363	07/16/19 18:39	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			4.95 g	5 mL	5013	07/13/19 13:11	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	5151	07/15/19 22:33	CVA6	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.0 g	10 mL	5396	07/16/19 12:07	CL	ECL 1
Total/NA	Analysis	8015B		1			5586	07/17/19 12:49	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.04 g	10 mL	4917	07/12/19 20:20	USUL	ECL 1
Total/NA	Analysis	8081A		1			6127	07/19/19 14:53	UJ3K	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			1.93 g	100 mL	5890	07/17/19 17:00	JG	ECL 1
Total/NA	Analysis	6010B		1			7360	07/23/19 18:41	UEDN	ECL 1
	Instrument ID: ICP8									

Lab Chronicle

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

Client Sample ID: HA34-0.5 **Lab Sample ID: 570-1583-30**
Date Collected: 07/10/19 10:02 **Matrix: Solid**
Date Received: 07/11/19 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	100 mL	5851	07/18/19 10:00	JG	ECL 1
Total/NA	Analysis	6020		100			7344	07/23/19 23:26	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA35-0.5 **Lab Sample ID: 570-1583-33**
Date Collected: 07/10/19 09:32 **Matrix: Solid**
Date Received: 07/11/19 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.51 g	5 mL	5045	07/13/19 16:03	G6NI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	6229	07/19/19 14:23	J78Y	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Prep	3545			20.21 g	2 mL	4921	07/12/19 20:42	USUL	ECL 1
Total/NA	Analysis	8270C		1			5363	07/16/19 18:58	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			4.91 g	5 mL	5013	07/13/19 13:11	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	5151	07/15/19 23:05	CVA6	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.2 g	10 mL	5396	07/16/19 12:07	CL	ECL 1
Total/NA	Analysis	8015B		1			5586	07/17/19 04:54	I9H5	ECL 1
	Instrument ID: GC48									
Total/NA	Prep	3545			20.08 g	10 mL	4917	07/12/19 20:20	USUL	ECL 1
Total/NA	Analysis	8081A		1			6127	07/19/19 15:07	UJ3K	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3545			20.08 g	10 mL	4917	07/12/19 20:20	USUL	ECL 1
Total/NA	Analysis	8082		1			5937	07/18/19 17:50	UJ3K	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.01 g	100 mL	5890	07/17/19 17:00	JG	ECL 1
Total/NA	Analysis	6010B		1			7360	07/23/19 18:43	UEDN	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			2.06 g	100 mL	5851	07/18/19 10:00	JG	ECL 1
Total/NA	Analysis	6020		100	1.0 mL	1.0 mL	7504	07/24/19 12:18	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA36-0.5 **Lab Sample ID: 570-1583-36**
Date Collected: 07/10/19 13:12 **Matrix: Solid**
Date Received: 07/11/19 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.49 g	5 mL	5045	07/13/19 16:03	G6NI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	6229	07/19/19 14:49	J78Y	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Prep	3545			20.46 g	2 mL	4921	07/12/19 20:42	USUL	ECL 1
Total/NA	Analysis	8270C		1			5363	07/16/19 19:16	N8CZ	ECL 1
	Instrument ID: GCMSCCC									

Lab Chronicle

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

Client Sample ID: HA36-0.5

Date Collected: 07/10/19 13:12
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			4.91 g	5 mL	5013	07/13/19 13:11	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 g	5 mL	5151	07/15/19 23:38	CVA6	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.1 g	10 mL	5461	07/16/19 17:59	N5Y3	ECL 1
Total/NA	Analysis	8015B		1			5469	07/17/19 05:43	N5Y3	ECL 1
	Instrument ID: GC50									
Total/NA	Prep	3545			20.13 g	10 mL	4917	07/12/19 20:20	USUL	ECL 1
Total/NA	Analysis	8081A		1			6127	07/19/19 15:22	UJ3K	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3545			20.13 g	10 mL	4917	07/12/19 20:20	USUL	ECL 1
Total/NA	Analysis	8082		1			5937	07/18/19 18:08	UJ3K	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.91 g	100 mL	5890	07/17/19 17:00	JG	ECL 1
Total/NA	Analysis	6010B		1			7360	07/23/19 18:45	UEDN	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			1.92 g	100 mL	5851	07/18/19 10:00	JG	ECL 1
Total/NA	Analysis	6020		100	1.0 mL	1.0 mL	7504	07/24/19 12:20	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA37-0.5

Date Collected: 07/10/19 13:42
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.17 g	5 mL	5045	07/13/19 16:03	G6NI	ECL 2
Total/NA	Analysis	8260B		1	5 mL	5 mL	6229	07/19/19 15:16	J78Y	ECL 2
	Instrument ID: GCMSQQ									
Total/NA	Prep	3545			20.55 g	2 mL	4921	07/12/19 20:42	USUL	ECL 1
Total/NA	Analysis	8270C		1			5363	07/16/19 19:35	N8CZ	ECL 1
	Instrument ID: GCMSCCC									
Total/NA	Prep	5030C			5.01 g	5 mL	5013	07/13/19 13:11	G6NI	ECL 2
Total/NA	Analysis	8015B		1	5 mL	5 mL	5151	07/16/19 00:12	CVA6	ECL 2
	Instrument ID: GC25									
Total/NA	Prep	3550C			10.0 g	10 mL	5461	07/16/19 17:59	N5Y3	ECL 1
Total/NA	Analysis	8015B		1			5469	07/17/19 06:03	N5Y3	ECL 1
	Instrument ID: GC50									
Total/NA	Prep	3545			19.94 g	10 mL	4917	07/12/19 20:20	USUL	ECL 1
Total/NA	Analysis	8081A		1			6127	07/19/19 15:36	UJ3K	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3050B			1.97 g	100 mL	5890	07/17/19 17:00	JG	ECL 1
Total/NA	Analysis	6010B		1			7360	07/23/19 18:47	UEDN	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3050B			2.05 g	100 mL	5851	07/18/19 10:00	JG	ECL 1
Total/NA	Analysis	6020		100			7344	07/23/19 23:42	UFLE	ECL 1
	Instrument ID: ICPMS05									

Lab Chronicle

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

Client Sample ID: EB3
Date Collected: 07/10/19 16:00
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-42
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	5489	07/16/19 21:47	BL	ECL 2
	Instrument ID: GCMSPP									
Total/NA	Prep	3510C			1046.1 mL	2 mL	4949	07/13/19 09:41	OAJ3	ECL 1
Total/NA	Analysis	8270C		1			5257	07/15/19 20:36	N8CZ	ECL 1
	Instrument ID: GCMSSS									
Total/NA	Analysis	8015B		1	5 g	5 mL	5143	07/15/19 14:12	CVA6	ECL 2
	Instrument ID: GC24									
Total/NA	Prep	3510C			550 mL	2.5 mL	5081	07/14/19 11:42	UFLU	ECL 1
Total/NA	Analysis	8015B		1			5651	07/18/19 03:42	I9H5	ECL 1
	Instrument ID: GC50									
Total/NA	Prep	3510C			1043.8 mL	5 mL	4936	07/13/19 07:33	OAJ3	ECL 1
Total/NA	Analysis	8081A		1			5371	07/16/19 15:05	U6T2	ECL 1
	Instrument ID: GC44									
Total/NA	Prep	3510C			1043.8 mL	5 mL	4936	07/13/19 07:33	OAJ3	ECL 1
Total/NA	Analysis	8082		1			5088	07/14/19 17:32	U6T2	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3010A			50 mL	50 mL	6529	07/20/19 08:00	WL8G	ECL 1
Total/NA	Analysis	6010B		1			7721	07/24/19 21:26	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3020A			50 mL	50 mL	5648	07/16/19 14:00	WL8G	ECL 1
Total/NA	Analysis	6020		1			6304	07/18/19 14:01	UFLE	ECL 1
	Instrument ID: ICPMS05									

Laboratory References:

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

Laboratory: Eurofins Calscience LLC

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Arizona	State Program	9	AZ0781	03-13-20
California	SCAQMD LAP	9	N/A	11-30-19
California	State Program	9	2944	09-30-19
Guam	State Program	9	19-004R	10-31-19
Hawaii	State Program	9	N/A	01-29-20
Nevada	State Program	9	CA00111	07-31-19
Oregon	NELAP Primary AB	10	CA300001	01-20-20
Washington	State Program	10	C916	10-11-19

Method Summary

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	ECL 1
8015B	Gasoline Range Organics - (GC)	SW846	ECL 2
8015B	Diesel Range Organics (DRO) (GC)	SW846	ECL 1
8081A	Organochlorine Pesticides (GC)	SW846	ECL 1
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
6010B	Metals (ICP)	SW846	ECL 1
6020	Metals (ICP/MS)	SW846	ECL 1
3010A	Preparation, Total Metals	SW846	ECL 1
3020A	Preparation, Total Metals	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ECL 1
3545	Pressurized Fluid Extraction	SW846	ECL 1
3550C	Ultrasonic Extraction	SW846	ECL 1
5030C	Purge and Trap	SW846	ECL
5035	Closed System 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 = Eurofins Calscience LLC, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-1583-1	HA24-0.5	Solid	07/10/19 14:02	07/11/19 19:50	
570-1583-4	HA25-0.5	Solid	07/10/19 08:32	07/11/19 19:50	
570-1583-7	HA26-0.5	Solid	07/10/19 09:02	07/11/19 19:50	
570-1583-10	HA28-0.5	Solid	07/10/19 11:00	07/11/19 19:50	
570-1583-13	HA28-0.5 DUP	Solid	07/10/19 11:00	07/11/19 19:50	
570-1583-14	HA29-0.5	Solid	07/10/19 11:20	07/11/19 19:50	
570-1583-17	HA30-0.5	Solid	07/10/19 11:46	07/11/19 19:50	
570-1583-20	HA31-0.5	Solid	07/10/19 10:32	07/11/19 19:50	
570-1583-23	HA32-0.5	Solid	07/10/19 12:22	07/11/19 19:50	
570-1583-26	HA33-0.5	Solid	07/10/19 12:47	07/11/19 19:50	
570-1583-29	HA33-0.5 DUP	Solid	07/10/19 12:47	07/11/19 19:50	
570-1583-30	HA34-0.5	Solid	07/10/19 10:02	07/11/19 19:50	
570-1583-33	HA35-0.5	Solid	07/10/19 09:32	07/11/19 19:50	
570-1583-36	HA36-0.5	Solid	07/10/19 13:12	07/11/19 19:50	
570-1583-39	HA37-0.5	Solid	07/10/19 13:42	07/11/19 19:50	
570-1583-42	EB3	Water	07/10/19 16:00	07/11/19 19:50	

1583

1/3

~~AE_EFI_01~~

EFI Global

Engineering, Fire & Environmental Services

570-1583 Chain of Custody

al, an EFI Global Company
way, Los Angeles CA 90045
354-0199 www.AndersenEnviro.com

Chain-of-Custody Record

Analytical Laboratory:	Eurofins Calscience
Geotracker Global ID:	
Project Number:	045.00349 — WM Taft HS
Project Address:	5461 Winnetka Ave, Woodland Hills, CA 91364
Project Manager:	Shayan Simantob
Sampled by:	P. Sreeram
Phone:	(310) 920-1230
Email:	shayan.simantob@efiglobal.com

Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	Preservative: HNO3	Preservative: NaHSO4	Preservative: HCl	Sampling Information: Date	Sampling Information: Time	Method: VOCs (8260B, 5035)	Method: Lead (6010B)	Method: Arsenic (6020)	Method: SVOCs (8270C)	Method: TPHg + EFH (8015)	Method: PCBs (8082)	Method: OCPs (8081A)	Method	Method	Method	Method: Composite	Method: Hold	Container: 4- or 8-ounce Glass	Container: Plastic Bag	Container: VOAs (by EPA 5035)	Container	Container	Turnaround Time: Normal / Standard (7 DAY)	Turnaround Time: 72 Hour	Turnaround Time: 48 Hours	Turnaround Time: 24 Hours
1	HA24-0.5		X			X							7/10/19	1402	X	X	X	X	X	X	X						X		X			X			
2	HA24-1.5													1404												X									
3	HA24-3													1406							X (Pb)					X									
4	HA25-0.5													0832	X	X	X	X	X		X								X						
5	HA25-1.5													0834												X									
6	HA25-3													0836												X									
7	HA26-0.5													0902	X	X	X	X	X		X								X						
8	HA26-1.5													0904												X									
9	HA26-3													0906												X									
10	HA28-0.5													1100	X	X	X	X	X		X								X						
11	HA28-1.5													1102												X									
12	HA28-3													1104												X									
13	HA28-0.5 DUP													1100	X	X	X	X	X		X								X						
14	HA29-0.5 ~~HA28-1.5 DUP~~													1120	X	X	X	X	X		X								X						
15	HA29-1.5 ~~HA28-3 DUP~~ (Pb)													1122												X									
16	HA29-3													1124												X									
17	HA30-0.5													1146	X	X	X	X	X		X								X						
18	HA30-1.5													1148												X									
19	HA30-3													1150												X									
20	HA31-0.5													1032	X	X	X	X	X		X								X						

Relinquished by	Date	Time	Received by	Date	Time	Remarks
[signature] 7/11/19	~~7/10/19~~ 7/11/19 AM	1440 PM	[signature] EC	7/11/19	1440	Sample condition (circle): Chilled Intact
[signature]	7/11/19	1950	[signature] ecc	7/11/19	1950	Excavation Area:

2.1+0.2 2.3

7/31/2019

EFI Global

Engineering, Fire & Environmental Services

Andersen Environmental, an EFI Global Company
5261 West Imperial Highway, Los Angeles CA 90045
Tel: (310) 854-6300 Fax: (310) 854-0199 www.AndersenEnviro.com

Chain-of-Custody Record

Analytical Laboratory:	Eurofins Calscience	Geotracker Global ID:	
Project Number:	045-00349	LoH Tech HS	
Project Address:	5461 Winnetka Ave, Woodland Hills, CA 91364		
Project Manager:			
Sampled by:	see page 1		
Phone:			
Email:			

Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	Preservative: HNO3	Preservative: NaHSO4	Preservative: HCl	Sampling Information: Date	Sampling Information: Time	Method: VOCs (8260B/5035)	Method: Lead (6010B)	Method: Arsenic (6020)	Method: SVOCs (8270C)	Method: TPHg + ERPH (8015)	Method: PCBs (8082)	Method: OCPs (8081A)	Method	Method	Method	Composite	Hold	Container: 4- or 8-ounce Glass	Container: Plastic Bag	Container: VOAs (by EPA 5035)	Container	Turnaround Time: Normal / Standard (7 DAYS)	72 Hour	48 Hours	24 Hours
1	HA31-1.5		X			X							7/10/19	1034												X	X				X			
2	HA31-3													1036												X								
3	HA32-0.5													1222	X	X	X	X	X		X								X					
4	HA32-1.5													1224												X								
5	HA32-3													1226												X								
6	HA33-0.5													1247	X	X	X	X	X		X								X					
7	HA33-1.5													1249												X								
8	HA33-3													1251												X								
9	HA33-0.5 DUP													1247	X	X	X	X	X		X								X					
10	HA34-0.5													1002	X	X	X	X	X		X								X					
11	HA34-1.5													1004												X								
12	HA34-3													1006												X								
13	HA35-0.5													0932	X	X	X	X	X	X	X								X					
14	HA35-1.5													0934												X								
15	HA35-3													0936												X								
16	HA36-0.5													1312	X	X	X	X	X	X	X								X					
17	HA36-1.5													1314												X								
18	HA36-3													1316												X								
19	HA37-0.5													1342	X	X	X	X	X		X								X					
20	HA37-1.5													1344												X								

Relinquished by	Date	Time	Received by	Date	Time	Remarks
[signature]	~~7/11/19~~ 7/11/19 AM	1440 AM ~~1530~~	[signature] AC	7/11/19	1440	Sample condition (circle): Chilled Intact
[signature]	7/11/19	1950	[signature] EC	7/11/19	1950	Excavation Area:

2.0 +0.2 2.2

7/31/2019

EFI Global
Engineering, Fire & Environmental Services

Andersen Environmental, an EFI Global Company
5261 West Imperial Highway, Los Angeles CA 90045
Tel: (310) 854-6300 Fax: (310) 854-0199 www.AndersenEnviro.com

Chain-of-Custody Record

~~AE_EFI_04~~ 3/3

Analytical Laboratory:	Eurofins Calscience	Geotracker Global ID:	
Project Number:	045.00349	WH TAFT HS	
Project Address:	5461 Winnetka Ave, Woodland Hills, CA 91364		
Project Manager:			
Sampled by:	see page 1		
Phone:			
Email:			

Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	Preservative: HNO3	Preservative: NaHSO4	Preservative: HCl	Sampling Information: Date	Sampling Information: Time
1	HA37-3		X			X							7/10/19	1346
2	EB3				X								↓	1600
3	TB3							X					↓	—
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														

Number	Method: VOCs (8260B, 5035)	Method: Lead (6010B)	Method: Arsenic (6020)	Method: SVOCs (8270C)	Method: TPH-g + EXTN (8015)	Method: PCBs (8082)	Method: OCPs (8081A)	Method:	Method:	Method:	Method: Composite	Method: Hold	Container: 4- or 8-ounce Glass	Container: Plastic Bag	Container: VOAs (by EPA 5035)	Container: various	Container: VOAs (HCl)	Turnaround Time: Normal / Standard (7 DAY)	Turnaround Time: 72 Hour	Turnaround Time: 48 Hours	Turnaround Time: 24 Hours
1												X	X					X			
2	X	X	X	X	X	X	X									X		↓			
3												X					X	↓			
4–20																					

Relinquished by	Date	Time	Received by	Date	Time
[signature]	7/11/19 AM ~~7/10/19~~	1440 AM ~~2300~~	[signature]	7/11/19	1440
[signature]	7/11/19	1950	[signature]	7/11/19	1950

Remarks
Sample condition (circle): Chilled Intact
Excavation Area:

2.1+0.2 2.3

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7/31/2019

Login Sample Receipt Checklist

Client: EFI Global, Inc. | Job Number: 570-1583-1

Login Number: 1583 | **List Source: Eurofins Calscience**
List Number: 1
Creator: Castro, Joy

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	IDs on containers do not match the COC. Logged in per COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

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

Laboratory Job ID: 570-1583-1
Client Project/Site: WH TAFT HS
Revision: 1

For:
EFI Global, Inc.
5261 West Imperial Highway
Los Angeles, California 90045

Attn: Desi Salgado

Authorized for release by:
9/25/2019 4:41:24 PM

Stephen Nowak, Project Manager I
(714)895-5494
stephennowak@eurofinsus.com

Table of Contents

Definitions/Glossary

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)

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Job ID: 570-1583-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-1583-1

Comments
No additional comments.

Receipt
The samples were received on 7/11/2019 7:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.2º C, 2.3º C and 2.3º C.

Receipt Exceptions

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): HA25-1.5 (570-1583-5) and HA25-3 (570-1583-6). The container labels list 8:32 while the COC lists 8:34; and 8:34 while the COC lists 8:36.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): HA28-0.5 DUP (570-1583-13). The container labels on the Terracores are labeled as HA28-0.5, while the COC reads HA28-0.5 DUP

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

Detection Summary

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

Client Sample ID: HA26-0.5 Lab Sample ID: 570-1583-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	15.8		4.85		mg/Kg	100		6020	Total/NA

Client Sample ID: HA30-0.5 Lab Sample ID: 570-1583-17

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	12.1		4.85		mg/Kg	100		6020	Total/NA

Client Sample ID: HA34-0.5 Lab Sample ID: 570-1583-30

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	15.7		5.00		mg/Kg	100		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

Method: 6020 - Metals (ICP/MS)

Client Sample ID: HA26-0.5
Date Collected: 07/10/19 09:02
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15.8		4.85		mg/Kg		07/18/19 10:00	07/23/19 23:02	100
Thallium	ND		4.85		mg/Kg		07/18/19 10:00	07/23/19 23:02	100

Client Sample ID: HA30-0.5
Date Collected: 07/10/19 11:46
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-17
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12.1		4.85		mg/Kg		07/18/19 10:00	07/23/19 23:13	100
Thallium	ND		4.85		mg/Kg		07/18/19 10:00	07/23/19 23:13	100

Client Sample ID: HA34-0.5
Date Collected: 07/10/19 10:02
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-30
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15.7		5.00		mg/Kg		07/18/19 10:00	07/23/19 23:26	100
Thallium	ND		5.00		mg/Kg		07/18/19 10:00	07/23/19 23:26	100

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

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

Lab Sample ID: LCS 570-5144/4 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5144

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	47.51		ug/Kg		95	71 - 125
1,2-Dibromoethane	50.0	47.40		ug/Kg		95	80 - 120
1,2-Dichlorobenzene	50.0	47.80		ug/Kg		96	80 - 120
1,2-Dichloroethane	50.0	49.89		ug/Kg		100	79 - 121
1,4-Dioxane	500	454.3		ug/Kg		91	80 - 120
Benzene	50.0	46.97		ug/Kg		94	79 - 120
Carbon tetrachloride	50.0	49.31		ug/Kg		99	58 - 142
Chlorobenzene	50.0	46.13		ug/Kg		92	80 - 120
Di-isopropyl ether (DIPE)	50.0	46.61		ug/Kg		93	65 - 131
Ethanol	500	433.1	J	ug/Kg		87	32 - 158
Ethylbenzene	50.0	47.99		ug/Kg		96	57 - 153
Ethyl-t-butyl ether (ETBE)	50.0	46.70		ug/Kg		93	58 - 136
Methyl-t-Butyl Ether (MTBE)	50.0	44.28		ug/Kg		89	64 - 124
o-Xylene	50.0	48.07		ug/Kg		96	79 - 127
m,p-Xylene	100	96.92		ug/Kg		97	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*71 - 155*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane	*101*		*79 - 133*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: LCSD 570-5144/5 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5144

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	50.0	46.71		ug/Kg		93	71 - 125	2	20
1,2-Dibromoethane	50.0	47.95		ug/Kg		96	80 - 120	1	20
1,2-Dichlorobenzene	50.0	47.76		ug/Kg		96	80 - 120	0	20
1,2-Dichloroethane	50.0	49.77		ug/Kg		100	79 - 121	0	20
1,4-Dioxane	500	476.5		ug/Kg		95	80 - 120	5	20
Benzene	50.0	46.38		ug/Kg		93	79 - 120	1	20
Carbon tetrachloride	50.0	48.72		ug/Kg		97	58 - 142	1	20
Chlorobenzene	50.0	45.65		ug/Kg		91	80 - 120	1	20
Di-isopropyl ether (DIPE)	50.0	46.21		ug/Kg		92	65 - 131	1	20
Ethanol	500	417.7	J	ug/Kg		84	32 - 158	4	27
Ethylbenzene	50.0	47.58		ug/Kg		95	57 - 153	1	20
Ethyl-t-butyl ether (ETBE)	50.0	45.72		ug/Kg		91	58 - 136	2	20
Methyl-t-Butyl Ether (MTBE)	50.0	44.27		ug/Kg		89	64 - 124	0	20
o-Xylene	50.0	47.23		ug/Kg		94	79 - 127	2	20
m,p-Xylene	100	95.63		ug/Kg		96	80 - 122	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*71 - 155*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*
Dibromofluoromethane	*101*		*79 - 133*
Toluene-d8 (Surr)	*102*		*80 - 120*

QC Sample Results

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

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

Lab Sample ID: MB 570-5207/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5144 **Prep Batch: 5207**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1,1-Trichloroethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1,2,2-Tetrachloroethane	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1,2-Trichloroethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1-Dichloroethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1-Dichloroethene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,1-Dichloropropene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2,3-Trichlorobenzene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2,3-Trichloropropane	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2,4-Trichlorobenzene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2,4-Trimethylbenzene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2-Dibromo-3-Chloropropane	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2-Dibromoethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2-Dichlorobenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2-Dichloroethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,2-Dichloropropane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,3,5-Trimethylbenzene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,3-Dichlorobenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,3-Dichloropropane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,4-Dichlorobenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
2,2-Dichloropropane	ND		510		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
2-Butanone	ND		2000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
1,4-Dioxane	ND		10000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
2-Chlorotoluene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
2-Hexanone	ND		2000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
4-Chlorotoluene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
4-Methyl-2-pentanone	ND		2000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Acetone	ND		5100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Benzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Bromobenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Bromochloromethane	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Bromodichloromethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Bromoform	ND		510		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Bromomethane	ND		2000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
cis-1,2-Dichloroethene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
cis-1,3-Dichloropropene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Carbon disulfide	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Carbon tetrachloride	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Chlorobenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Chloroethane	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Chloroform	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Chloromethane	ND		2000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Dibromochloromethane	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Dibromomethane	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Dichlorodifluoromethane	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Di-isopropyl ether (DIPE)	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Ethanol	ND		51000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

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

Lab Sample ID: MB 570-5207/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5144 **Prep Batch: 5207**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Ethyl-t-butyl ether (ETBE)	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Isopropylbenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Methylene Chloride	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Methyl-t-Butyl Ether (MTBE)	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Naphthalene	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
n-Butylbenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
N-Propylbenzene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
o-Xylene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
m,p-Xylene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
p-Isopropyltoluene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
sec-Butylbenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Styrene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
trans-1,2-Dichloroethene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
trans-1,3-Dichloropropene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Tert-amyl-methyl ether (TAME)	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
tert-Butyl alcohol (TBA)	ND		2000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
tert-Butylbenzene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Tetrachloroethene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Toluene	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Trichloroethene	ND		200		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Trichlorofluoromethane	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Vinyl acetate	ND		1000		ug/Kg		07/15/19 09:30	07/15/19 14:34	50
Vinyl chloride	ND		100		ug/Kg		07/15/19 09:30	07/15/19 14:34	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*71 - 155*	*07/15/19 09:30*	*07/15/19 14:34*	*50*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*	*07/15/19 09:30*	*07/15/19 14:34*	*50*
Dibromofluoromethane	*102*		*79 - 133*	*07/15/19 09:30*	*07/15/19 14:34*	*50*
Toluene-d8 (Surr)	*103*		*80 - 120*	*07/15/19 09:30*	*07/15/19 14:34*	*50*

Lab Sample ID: MB 570-5209/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5144 **Prep Batch: 5209**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1-Dichloroethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1-Dichloroethene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,1-Dichloropropene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1

QC Sample Results

Client: EFI Global, Inc.
Job ID: 570-1583-1
Project/Site: WH TAFT HS

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

Lab Sample ID: MB 570-5209/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 5144
Prep Batch: 5209

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2-Dibromoethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2-Dichloroethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,2-Dichloropropane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,3-Dichloropropane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
2,2-Dichloropropane	ND		5.1		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
2-Butanone	ND		20		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
1,4-Dioxane	ND		100		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
2-Chlorotoluene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
2-Hexanone	ND		20		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
4-Chlorotoluene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
4-Methyl-2-pentanone	ND		20		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Acetone	ND		51		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Benzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Bromobenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Bromochloromethane	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Bromodichloromethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Bromoform	ND		5.1		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Bromomethane	ND		20		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Carbon disulfide	ND		10		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Carbon tetrachloride	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Chlorobenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Chloroethane	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Chloroform	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Chloromethane	ND		20		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Dibromochloromethane	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Dibromomethane	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Ethanol	ND		510		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Ethylbenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Isopropylbenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Methylene Chloride	ND		10		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Naphthalene	ND		10		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
n-Butylbenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
N-Propylbenzene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
o-Xylene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
m,p-Xylene	ND		2.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
p-Isopropyltoluene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
sec-Butylbenzene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Styrene	ND		1.0		ug/Kg		07/15/19 13:33	07/15/19 14:09	1

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

Lab Sample ID: MB 570-5209/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5144 **Prep Batch: 5209**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
trans-1,3-Dichloropropene	ND		2.0	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Tert-amyl-methyl ether (TAME)	ND		1.0	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
tert-Butyl alcohol (TBA)	ND		20	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
tert-Butylbenzene	ND		1.0	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Tetrachloroethene	ND		1.0	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Toluene	ND		1.0	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Trichloroethene	ND		2.0	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Trichlorofluoromethane	ND		10	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Vinyl acetate	ND		10	ug/Kg		07/15/19 13:33	07/15/19 14:09	1
Vinyl chloride	ND		1.0	ug/Kg		07/15/19 13:33	07/15/19 14:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*71 - 155*	*07/15/19 13:33*	*07/15/19 14:09*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*	*07/15/19 13:33*	*07/15/19 14:09*	*1*
Dibromofluoromethane	*107*		*79 - 133*	*07/15/19 13:33*	*07/15/19 14:09*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*07/15/19 13:33*	*07/15/19 14:09*	*1*

Lab Sample ID: MB 570-5343/3-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5355 **Prep Batch: 5343**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1,1-Trichloroethane	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1,2-Trichloroethane	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1-Dichloroethane	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1-Dichloroethene	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,1-Dichloropropene	ND		2.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2,3-Trichlorobenzene	ND		2.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2,3-Trichloropropane	ND		2.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2,4-Trichlorobenzene	ND		2.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2,4-Trimethylbenzene	ND		2.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2-Dibromo-3-Chloropropane	ND		10	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2-Dibromoethane	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2-Dichlorobenzene	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2-Dichloroethane	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,2-Dichloropropane	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,3,5-Trimethylbenzene	ND		2.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,3-Dichlorobenzene	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,3-Dichloropropane	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,4-Dichlorobenzene	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
2,2-Dichloropropane	ND		5.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
2-Butanone	ND		20	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
1,4-Dioxane	ND		100	ug/Kg		07/16/19 09:31	07/16/19 12:38	1
2-Chlorotoluene	ND		1.0	ug/Kg		07/16/19 09:31	07/16/19 12:38	1

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

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

Lab Sample ID: MB 570-5343/3-A
Matrix: Solid
Analysis Batch: 5355

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5343

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		20		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
4-Chlorotoluene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
4-Methyl-2-pentanone	ND		20		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Acetone	ND		50		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Benzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Bromobenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Bromochloromethane	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Bromodichloromethane	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Bromoform	ND		5.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Bromomethane	ND		20		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Carbon disulfide	ND		10		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Carbon tetrachloride	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Chlorobenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Chloroethane	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Chloroform	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Chloromethane	ND		20		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Dibromochloromethane	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Dibromomethane	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Ethanol	ND		500		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Ethylbenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Isopropylbenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Methylene Chloride	ND		10		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Naphthalene	ND		10		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
n-Butylbenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
N-Propylbenzene	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
o-Xylene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
m,p-Xylene	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
p-Isopropyltoluene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
sec-Butylbenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Styrene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
tert-Butylbenzene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Tetrachloroethene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Toluene	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Trichloroethene	ND		2.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Trichlorofluoromethane	ND		10		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Vinyl acetate	ND		10		ug/Kg		07/16/19 09:31	07/16/19 12:38	1
Vinyl chloride	ND		1.0		ug/Kg		07/16/19 09:31	07/16/19 12:38	1

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

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

Lab Sample ID: MB 570-5343/3-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5355 **Prep Batch: 5343**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*119*		*71 - 155*	*07/16/19 09:31*	*07/16/19 12:38*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*	*07/16/19 09:31*	*07/16/19 12:38*	*1*
Dibromofluoromethane	*107*		*79 - 133*	*07/16/19 09:31*	*07/16/19 12:38*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/16/19 09:31*	*07/16/19 12:38*	*1*

Lab Sample ID: LCS 570-5343/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5355 **Prep Batch: 5343**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.2	49.55		ug/Kg		99	71 - 125
1,2-Dibromoethane	50.2	52.33		ug/Kg		104	80 - 120
1,2-Dichlorobenzene	50.2	53.66		ug/Kg		107	80 - 120
1,2-Dichloroethane	50.2	55.95		ug/Kg		111	79 - 121
1,4-Dioxane	502	436.9		ug/Kg		87	80 - 120
Benzene	50.2	51.20		ug/Kg		102	79 - 120
Carbon tetrachloride	50.2	59.62		ug/Kg		119	58 - 142
Chlorobenzene	50.2	53.28		ug/Kg		106	80 - 120
Di-isopropyl ether (DIPE)	50.2	53.50		ug/Kg		107	65 - 131
Ethanol	502	429.0	J	ug/Kg		85	32 - 158
Ethylbenzene	50.2	54.97		ug/Kg		110	57 - 153
Ethyl-t-butyl ether (ETBE)	50.2	49.44		ug/Kg		98	58 - 136
Methyl-t-Butyl Ether (MTBE)	50.2	43.31		ug/Kg		86	64 - 124
o-Xylene	50.2	55.56		ug/Kg		111	79 - 127
m,p-Xylene	100	110.4		ug/Kg		110	80 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*115*		*71 - 155*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Dibromofluoromethane	*106*		*79 - 133*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 570-5343/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5355 **Prep Batch: 5343**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	50.5	49.42		ug/Kg		98	71 - 125	0	20
1,2-Dibromoethane	50.5	52.85		ug/Kg		105	80 - 120	1	20
1,2-Dichlorobenzene	50.5	53.70		ug/Kg		106	80 - 120	0	20
1,2-Dichloroethane	50.5	55.38		ug/Kg		110	79 - 121	1	20
1,4-Dioxane	505	480.1		ug/Kg		95	80 - 120	9	20
Benzene	50.5	51.52		ug/Kg		102	79 - 120	1	20
Carbon tetrachloride	50.5	60.93		ug/Kg		121	58 - 142	2	20
Chlorobenzene	50.5	53.97		ug/Kg		107	80 - 120	1	20
Di-isopropyl ether (DIPE)	50.5	54.33		ug/Kg		108	65 - 131	2	20
Ethanol	505	455.4	J	ug/Kg		90	32 - 158	6	27
Ethylbenzene	50.5	55.52		ug/Kg		110	57 - 153	1	20

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

Lab Sample ID: LCSD 570-5343/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5355 **Prep Batch: 5343**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethyl-t-butyl ether (ETBE)	50.5	49.98		ug/Kg		99	58 - 136	1	20
Methyl-t-Butyl Ether (MTBE)	50.5	43.74		ug/Kg		87	64 - 124	1	20
o-Xylene	50.5	55.94		ug/Kg		111	79 - 127	1	20
m,p-Xylene	101	111.8		ug/Kg		111	80 - 122	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*116*		*71 - 155*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Dibromofluoromethane	*108*		*79 - 133*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 570-5345/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5355 **Prep Batch: 5345**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1,1-Trichloroethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1,2,2-Tetrachloroethane	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1,2-Trichloroethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1-Dichloroethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1-Dichloroethene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,1-Dichloropropene	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2,3-Trichlorobenzene	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2,3-Trichloropropane	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2,4-Trichlorobenzene	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2,4-Trimethylbenzene	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2-Dibromo-3-Chloropropane	ND		1000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2-Dibromoethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2-Dichlorobenzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2-Dichloroethane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,2-Dichloropropane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,3,5-Trimethylbenzene	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,3-Dichlorobenzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,3-Dichloropropane	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,4-Dichlorobenzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
2,2-Dichloropropane	ND		500	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
2-Butanone	ND		2000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
1,4-Dioxane	ND		10000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
2-Chlorotoluene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
2-Hexanone	ND		2000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
4-Chlorotoluene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
4-Methyl-2-pentanone	ND		2000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Acetone	ND		5000	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Benzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Bromobenzene	ND		100	ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Bromochloromethane	ND		200	ug/Kg		07/16/19 09:36	07/16/19 13:05	50

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

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

Lab Sample ID: MB 570-5345/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5355 **Prep Batch: 5345**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Bromoform	ND		500		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Bromomethane	ND		2000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
cis-1,2-Dichloroethene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
cis-1,3-Dichloropropene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Carbon disulfide	ND		1000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Carbon tetrachloride	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Chlorobenzene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Chloroethane	ND		200		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Chloroform	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Chloromethane	ND		2000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Dibromochloromethane	ND		200		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Dibromomethane	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Dichlorodifluoromethane	ND		200		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Di-isopropyl ether (DIPE)	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Ethanol	ND		50000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Ethylbenzene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Ethyl-t-butyl ether (ETBE)	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Isopropylbenzene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Methylene Chloride	ND		1000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Methyl-t-Butyl Ether (MTBE)	ND		200		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Naphthalene	ND		1000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
n-Butylbenzene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
N-Propylbenzene	ND		200		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
o-Xylene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
m,p-Xylene	ND		200		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
p-Isopropyltoluene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
sec-Butylbenzene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Styrene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
trans-1,2-Dichloroethene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
trans-1,3-Dichloropropene	ND		200		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Tert-amyl-methyl ether (TAME)	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
tert-Butyl alcohol (TBA)	ND		2000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
tert-Butylbenzene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Tetrachloroethene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Toluene	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Trichloroethene	ND		200		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Trichlorofluoromethane	ND		1000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Vinyl acetate	ND		1000		ug/Kg		07/16/19 09:36	07/16/19 13:05	50
Vinyl chloride	ND		100		ug/Kg		07/16/19 09:36	07/16/19 13:05	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*71 - 155*	*07/16/19 09:36*	*07/16/19 13:05*	*50*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*	*07/16/19 09:36*	*07/16/19 13:05*	*50*
Dibromofluoromethane	*103*		*79 - 133*	*07/16/19 09:36*	*07/16/19 13:05*	*50*
Toluene-d8 (Surr)	*101*		*80 - 120*	*07/16/19 09:36*	*07/16/19 13:05*	*50*

Client: EFI Global, Inc.
Job ID: 570-1583-1
Project/Site: WH TAFT HS

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

Lab Sample ID: MB 570-5489/9
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 5489

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			07/16/19 18:35	1
1,1,1-Trichloroethane	ND		1.0		ug/L			07/16/19 18:35	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			07/16/19 18:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			07/16/19 18:35	1
1,1,2-Trichloroethane	ND		1.0		ug/L			07/16/19 18:35	1
1,1-Dichloroethane	ND		1.0		ug/L			07/16/19 18:35	1
1,1-Dichloroethene	ND		1.0		ug/L			07/16/19 18:35	1
1,1-Dichloropropene	ND		1.0		ug/L			07/16/19 18:35	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
1,2,3-Trichloropropane	ND		5.0		ug/L			07/16/19 18:35	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			07/16/19 18:35	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/L			07/16/19 18:35	1
1,2-Dibromoethane	ND		1.0		ug/L			07/16/19 18:35	1
1,2-Dichlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
1,2-Dichloroethane	ND		0.50		ug/L			07/16/19 18:35	1
1,2-Dichloropropane	ND		1.0		ug/L			07/16/19 18:35	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			07/16/19 18:35	1
1,3-Dichlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
1,3-Dichloropropane	ND		1.0		ug/L			07/16/19 18:35	1
1,4-Dichlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
2,2-Dichloropropane	ND		1.0		ug/L			07/16/19 18:35	1
2-Butanone	ND		20		ug/L			07/16/19 18:35	1
1,4-Dioxane	ND		100		ug/L			07/16/19 18:35	1
2-Chlorotoluene	ND		1.0		ug/L			07/16/19 18:35	1
2-Hexanone	ND		10		ug/L			07/16/19 18:35	1
4-Chlorotoluene	ND		1.0		ug/L			07/16/19 18:35	1
4-Methyl-2-pentanone	ND		10		ug/L			07/16/19 18:35	1
Acetone	ND		20		ug/L			07/16/19 18:35	1
Benzene	ND		1.0		ug/L			07/16/19 18:35	1
Bromobenzene	ND		1.0		ug/L			07/16/19 18:35	1
Bromochloromethane	ND		2.0		ug/L			07/16/19 18:35	1
Bromodichloromethane	ND		1.0		ug/L			07/16/19 18:35	1
Bromoform	ND		5.0		ug/L			07/16/19 18:35	1
Bromomethane	ND		50		ug/L			07/16/19 18:35	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			07/16/19 18:35	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			07/16/19 18:35	1
Carbon disulfide	ND		10		ug/L			07/16/19 18:35	1
Carbon tetrachloride	ND		0.50		ug/L			07/16/19 18:35	1
Chlorobenzene	ND		1.0		ug/L			07/16/19 18:35	1
Chloroethane	ND		5.0		ug/L			07/16/19 18:35	1
Chloroform	ND		1.0		ug/L			07/16/19 18:35	1
Chloromethane	ND		10		ug/L			07/16/19 18:35	1
Dibromochloromethane	ND		2.0		ug/L			07/16/19 18:35	1
Dibromomethane	ND		1.0		ug/L			07/16/19 18:35	1
Dichlorodifluoromethane	ND		5.0		ug/L			07/16/19 18:35	1
Di-isopropyl ether (DIPE)	ND		2.0		ug/L			07/16/19 18:35	1
Ethanol	ND		100		ug/L			07/16/19 18:35	1

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

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

Lab Sample ID: MB 570-5489/9
Matrix: Water
Analysis Batch: 5489

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	ug/L			07/16/19 18:35	1
Ethyl-t-butyl ether (ETBE)	ND		2.0	ug/L			07/16/19 18:35	1
Isopropylbenzene	ND		1.0	ug/L			07/16/19 18:35	1
Methylene Chloride	ND		10	ug/L			07/16/19 18:35	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0	ug/L			07/16/19 18:35	1
Naphthalene	ND		10	ug/L			07/16/19 18:35	1
n-Butylbenzene	ND		1.0	ug/L			07/16/19 18:35	1
N-Propylbenzene	ND		1.0	ug/L			07/16/19 18:35	1
o-Xylene	ND		1.0	ug/L			07/16/19 18:35	1
m,p-Xylene	ND		2.0	ug/L			07/16/19 18:35	1
p-Isopropyltoluene	ND		1.0	ug/L			07/16/19 18:35	1
sec-Butylbenzene	ND		1.0	ug/L			07/16/19 18:35	1
Styrene	ND		1.0	ug/L			07/16/19 18:35	1
trans-1,2-Dichloroethene	ND		1.0	ug/L			07/16/19 18:35	1
trans-1,3-Dichloropropene	ND		0.50	ug/L			07/16/19 18:35	1
Tert-amyl-methyl ether (TAME)	ND		2.0	ug/L			07/16/19 18:35	1
tert-Butyl alcohol (TBA)	ND		10	ug/L			07/16/19 18:35	1
tert-Butylbenzene	ND		1.0	ug/L			07/16/19 18:35	1
Tetrachloroethene	ND		1.0	ug/L			07/16/19 18:35	1
Toluene	ND		1.0	ug/L			07/16/19 18:35	1
Trichloroethene	ND		1.0	ug/L			07/16/19 18:35	1
Trichlorofluoromethane	ND		10	ug/L			07/16/19 18:35	1
Vinyl acetate	ND		10	ug/L			07/16/19 18:35	1
Vinyl chloride	ND		0.50	ug/L			07/16/19 18:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 129*		*07/16/19 18:35*	*1*
4-Bromofluorobenzene (Surr)	*95*		*77 - 120*		*07/16/19 18:35*	*1*
Dibromofluoromethane	*100*		*80 - 128*		*07/16/19 18:35*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/16/19 18:35*	*1*

Lab Sample ID: LCS 570-5489/4
Matrix: Water
Analysis Batch: 5489

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	50.0	47.66		ug/L		95	64 - 136
1,2-Dibromoethane	50.0	51.24		ug/L		102	80 - 120
1,2-Dichlorobenzene	50.0	49.71		ug/L		99	80 - 120
1,2-Dichloroethane	50.0	50.63		ug/L		101	75 - 123
1,4-Dioxane	500	489.5		ug/L		98	64 - 130
Benzene	50.0	49.85		ug/L		100	78 - 120
Carbon tetrachloride	50.0	52.73		ug/L		105	67 - 139
Chlorobenzene	50.0	49.57		ug/L		99	80 - 120
Di-isopropyl ether (DIPE)	50.0	46.74		ug/L		93	72 - 132
Ethanol	500	462.6		ug/L		93	56 - 150
Ethylbenzene	50.0	51.58		ug/L		103	80 - 120
Ethyl-t-butyl ether (ETBE)	50.0	44.54		ug/L		89	74 - 122

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

Lab Sample ID: LCS 570-5489/4 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5489

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl-t-Butyl Ether (MTBE)	50.0	41.33		ug/L		83	77 - 120
o-Xylene	50.0	50.76		ug/L		102	80 - 125
m,p-Xylene	100	111.8		ug/L		112	80 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 129*
4-Bromofluorobenzene (Surr)	*103*		*77 - 120*
Dibromofluoromethane	*97*		*80 - 128*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 570-5489/5 **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5489

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	50.0	48.71		ug/L		97	64 - 136	2	30
1,2-Dibromoethane	50.0	50.51		ug/L		101	80 - 120	1	30
1,2-Dichlorobenzene	50.0	49.55		ug/L		99	80 - 120	0	20
1,2-Dichloroethane	50.0	50.30		ug/L		101	75 - 123	1	24
1,4-Dioxane	500	527.5		ug/L		106	64 - 130	7	30
Benzene	50.0	49.94		ug/L		100	78 - 120	0	21
Carbon tetrachloride	50.0	53.89		ug/L		108	67 - 139	2	30
Chlorobenzene	50.0	49.28		ug/L		99	80 - 120	1	20
Di-isopropyl ether (DIPE)	50.0	47.07		ug/L		94	72 - 132	1	29
Ethanol	500	498.8		ug/L		100	56 - 150	8	30
Ethylbenzene	50.0	52.26		ug/L		105	80 - 120	1	20
Ethyl-t-butyl ether (ETBE)	50.0	44.76		ug/L		90	74 - 122	0	27
Methyl-t-Butyl Ether (MTBE)	50.0	41.84		ug/L		84	77 - 120	1	24
o-Xylene	50.0	51.49		ug/L		103	80 - 125	1	20
m,p-Xylene	100	112.4		ug/L		112	80 - 125	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 129*
4-Bromofluorobenzene (Surr)	*103*		*77 - 120*
Dibromofluoromethane	*100*		*80 - 128*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: MB 570-6233/3-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 6229 **Prep Batch: 6233**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,1,1-Trichloroethane	ND		1.0	ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,1,2-Trichloroethane	ND		1.0	ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,1-Dichloroethane	ND		1.0	ug/Kg		07/19/19 09:01	07/19/19 12:39	1

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

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

Lab Sample ID: MB 570-6233/3-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 6229 **Prep Batch: 6233**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,1-Dichloropropene	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,2-Dibromoethane	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,2-Dichloroethane	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,2-Dichloropropane	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,3-Dichloropropane	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
2,2-Dichloropropane	ND		5.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
2-Butanone	ND		20		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
1,4-Dioxane	ND		100		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
2-Chlorotoluene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
2-Hexanone	ND		20		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
4-Chlorotoluene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
4-Methyl-2-pentanone	ND		20		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Acetone	ND		50		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Benzene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Bromobenzene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Bromochloromethane	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Bromodichloromethane	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Bromoform	ND		5.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Bromomethane	ND		20		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Carbon disulfide	ND		10		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Carbon tetrachloride	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Chlorobenzene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Chloroethane	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Chloroform	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Chloromethane	ND		20		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Dibromochloromethane	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Dibromomethane	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Ethanol	ND		500		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Ethylbenzene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Isopropylbenzene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Methylene Chloride	ND		10		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Naphthalene	ND		10		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
n-Butylbenzene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

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

Lab Sample ID: MB 570-6233/3-A
Matrix: Solid
Analysis Batch: 6229

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 6233

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
o-Xylene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
m,p-Xylene	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
p-Isopropyltoluene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
sec-Butylbenzene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Styrene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
tert-Butylbenzene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Tetrachloroethene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Toluene	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Trichloroethene	ND		2.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Trichlorofluoromethane	ND		10		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Vinyl acetate	ND		10		ug/Kg		07/19/19 09:01	07/19/19 12:39	1
Vinyl chloride	ND		1.0		ug/Kg		07/19/19 09:01	07/19/19 12:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*71 - 155*	*07/19/19 09:01*	*07/19/19 12:39*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*07/19/19 09:01*	*07/19/19 12:39*	*1*
Dibromofluoromethane	*103*		*79 - 133*	*07/19/19 09:01*	*07/19/19 12:39*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*07/19/19 09:01*	*07/19/19 12:39*	*1*

Lab Sample ID: LCS 570-6233/1-A
Matrix: Solid
Analysis Batch: 6229

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 6233

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	50.46		ug/Kg		101	71 - 125
1,2-Dibromoethane	50.0	48.50		ug/Kg		97	80 - 120
1,2-Dichlorobenzene	50.0	48.03		ug/Kg		96	80 - 120
1,2-Dichloroethane	50.0	46.47		ug/Kg		93	79 - 121
1,4-Dioxane	500	441.7		ug/Kg		88	80 - 120
Benzene	50.0	47.53		ug/Kg		95	79 - 120
Carbon tetrachloride	50.0	53.72		ug/Kg		107	58 - 142
Chlorobenzene	50.0	48.15		ug/Kg		96	80 - 120
Di-isopropyl ether (DIPE)	50.0	48.21		ug/Kg		96	65 - 131
Ethanol	500	508.6		ug/Kg		102	32 - 158
Ethylbenzene	50.0	49.68		ug/Kg		99	57 - 153
Ethyl-t-butyl ether (ETBE)	50.0	46.52		ug/Kg		93	58 - 136
Methyl-t-Butyl Ether (MTBE)	50.0	43.58		ug/Kg		87	64 - 124
o-Xylene	50.0	51.20		ug/Kg		102	79 - 127
m,p-Xylene	100	99.34		ug/Kg		99	80 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*71 - 155*
4-Bromofluorobenzene (Surr)	*114*		*80 - 120*

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

Lab Sample ID: LCS 570-6233/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 6229 **Prep Batch: 6233**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane	*106*		*79 - 133*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 570-6233/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 6229 **Prep Batch: 6233**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	50.5	46.27		ug/Kg		92	71 - 125	9	20
1,2-Dibromoethane	50.5	48.37		ug/Kg		96	80 - 120	0	20
1,2-Dichlorobenzene	50.5	48.06		ug/Kg		95	80 - 120	0	20
1,2-Dichloroethane	50.5	43.40		ug/Kg		86	79 - 121	7	20
1,4-Dioxane	505	483.3		ug/Kg		96	80 - 120	9	20
Benzene	50.5	48.57		ug/Kg		96	79 - 120	2	20
Carbon tetrachloride	50.5	49.15		ug/Kg		97	58 - 142	9	20
Chlorobenzene	50.5	48.30		ug/Kg		96	80 - 120	0	20
Di-isopropyl ether (DIPE)	50.5	46.60		ug/Kg		92	65 - 131	3	20
Ethanol	505	447.3	J	ug/Kg		89	32 - 158	13	27
Ethylbenzene	50.5	49.27		ug/Kg		98	57 - 153	1	20
Ethyl-t-butyl ether (ETBE)	50.5	45.28		ug/Kg		90	58 - 136	3	20
Methyl-t-Butyl Ether (MTBE)	50.5	39.08		ug/Kg		77	64 - 124	11	20
o-Xylene	50.5	50.14		ug/Kg		99	79 - 127	2	20
m,p-Xylene	101	97.46		ug/Kg		96	80 - 122	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*99*		*71 - 155*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane	*103*		*79 - 133*
Toluene-d8 (Surr)	*100*		*80 - 120*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-4921/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5363 **Prep Batch: 4921**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
1,2-Dichlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
1,3-Dichlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
1,4-Dichlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
1-Methylnaphthalene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2,4,5-Trichlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2,4,6-Trichlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2,4-Dichlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2,4-Dimethylphenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2,4-Dinitrophenol	ND		2.0		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2,4-Dinitrotoluene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-4921/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5363 **Prep Batch: 4921**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2,6-Dinitrotoluene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2-Chloronaphthalene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2-Chlorophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2-Methylnaphthalene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2-Methylphenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2-Nitroaniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
2-Nitrophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
3,3'-Dichlorobenzidine	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
3 & 4 Methylphenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
3-Nitroaniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
4,6-Dinitro-2-methylphenol	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
4-Bromophenyl phenyl ether	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
4-Chloro-3-methylphenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
4-Chloroaniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
4-Nitroaniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
4-Nitrophenol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Acenaphthene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Acenaphthylene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Aniline	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Anthracene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Azobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Benzidine	ND		5.0		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Benzoic acid	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Benzyl alcohol	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Chrysene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Dibenzofuran	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Diethyl phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Dimethyl phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Fluoranthene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Fluorene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Hexachlorobenzene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Hexachloroethane	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/12/19 20:42	07/16/19 12:08	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-4921/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5363 **Prep Batch: 4921**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Naphthalene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Nitrobenzene	ND		2.0	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
N-Nitrosodimethylamine	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
N-Nitrosodi-n-propylamine	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
N-Nitrosodiphenylamine	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Pentachlorophenol	ND		2.5	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Phenanthrene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Phenol	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Pyrene	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
Pyridine	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1
bis (2-Chloroisopropyl) ether	ND		0.50	mg/Kg		07/12/19 20:42	07/16/19 12:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*18 - 138*	*07/12/19 20:42*	*07/16/19 12:08*	*1*
2-Fluorobiphenyl (Surr)	*91*		*27 - 120*	*07/12/19 20:42*	*07/16/19 12:08*	*1*
2-Fluorophenol (Surr)	*85*		*25 - 120*	*07/12/19 20:42*	*07/16/19 12:08*	*1*
Nitrobenzene-d5 (Surr)	*85*		*33 - 123*	*07/12/19 20:42*	*07/16/19 12:08*	*1*
p-Terphenyl-d14 (Surr)	*105*		*27 - 159*	*07/12/19 20:42*	*07/16/19 12:08*	*1*
Phenol-d6 (Surr)	*88*		*26 - 122*	*07/12/19 20:42*	*07/16/19 12:08*	*1*

Lab Sample ID: LCS 570-4921/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5363 **Prep Batch: 4921**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	10.0	8.493		mg/Kg		85	45 - 129
1,4-Dichlorobenzene	10.0	8.019		mg/Kg		80	42 - 132
2,4-Dinitrotoluene	10.0	9.866		mg/Kg		99	51 - 129
2-Chlorophenol	10.0	8.955		mg/Kg		90	58 - 124
4-Chloro-3-methylphenol	10.0	8.315		mg/Kg		83	55 - 151
4-Nitrophenol	10.0	6.492		mg/Kg		65	24 - 126
Acenaphthene	10.0	8.360		mg/Kg		84	51 - 123
Acenaphthylene	10.0	9.622		mg/Kg		96	52 - 120
Butyl benzyl phthalate	10.0	9.536		mg/Kg		95	43 - 139
Dimethyl phthalate	10.0	8.633		mg/Kg		86	51 - 123
Fluorene	10.0	8.277		mg/Kg		83	54 - 126
Naphthalene	10.0	8.228		mg/Kg		82	32 - 146
N-Nitrosodi-n-propylamine	10.0	8.868		mg/Kg		89	40 - 136
Pentachlorophenol	10.0	4.393		mg/Kg		44	23 - 131
Phenol	10.0	9.040		mg/Kg		90	40 - 130
Pyrene	10.0	9.004		mg/Kg		90	47 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*92*		*18 - 138*
2-Fluorobiphenyl (Surr)	*93*		*27 - 120*
2-Fluorophenol (Surr)	*90*		*25 - 120*
Nitrobenzene-d5 (Surr)	*87*		*33 - 123*

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-4921/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5363 **Prep Batch: 4921**

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl-d14 (Surr)	*99*		*27 - 159*
Phenol-d6 (Surr)	*94*		*26 - 122*

Lab Sample ID: 570-1583-14 MS **Client Sample ID: HA29-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5363 **Prep Batch: 4921**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		9.75	7.897		mg/Kg		81	56 - 120
1,4-Dichlorobenzene	ND		9.75	7.414		mg/Kg		76	43 - 120
2,4-Dinitrotoluene	ND		9.75	9.549		mg/Kg		98	28 - 120
2-Chlorophenol	ND	F2	9.75	8.961		mg/Kg		92	53 - 120
4-Chloro-3-methylphenol	ND		9.75	8.482		mg/Kg		87	32 - 120
4-Nitrophenol	ND		9.75	6.023		mg/Kg		62	14 - 128
Acenaphthene	ND		9.75	8.376		mg/Kg		86	34 - 148
Acenaphthylene	ND		9.75	9.448		mg/Kg		97	53 - 120
Butyl benzyl phthalate	ND		9.75	10.01		mg/Kg		103	15 - 189
Dimethyl phthalate	ND		9.75	8.917		mg/Kg		86	44 - 122
Fluorene	ND		9.75	8.142		mg/Kg		83	12 - 186
Naphthalene	ND		9.75	7.767		mg/Kg		80	20 - 140
N-Nitrosodi-n-propylamine	ND	F2	9.75	8.357		mg/Kg		86	38 - 140
Pentachlorophenol	ND	F2	9.75	5.133		mg/Kg		53	10 - 124
Phenol	ND	F2	9.75	8.655		mg/Kg		89	22 - 124
Pyrene	ND		9.75	10.21		mg/Kg		105	31 - 169

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*108*		*18 - 138*
2-Fluorobiphenyl (Surr)	*93*		*27 - 120*
2-Fluorophenol (Surr)	*89*		*25 - 120*
Nitrobenzene-d5 (Surr)	*83*		*33 - 123*
p-Terphenyl-d14 (Surr)	*115*		*27 - 159*
Phenol-d6 (Surr)	*94*		*26 - 122*

Lab Sample ID: 570-1583-14 MSD **Client Sample ID: HA29-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5363 **Prep Batch: 4921**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		9.76	6.578		mg/Kg		67	56 - 120	18	20
1,4-Dichlorobenzene	ND		9.76	5.926		mg/Kg		61	43 - 120	22	26
2,4-Dinitrotoluene	ND		9.76	8.002		mg/Kg		82	28 - 120	18	20
2-Chlorophenol	ND	F2	9.76	7.103	F2	mg/Kg		73	53 - 120	23	20
4-Chloro-3-methylphenol	ND		9.76	7.096		mg/Kg		73	32 - 120	18	20
4-Nitrophenol	ND		9.76	4.862		mg/Kg		50	14 - 128	21	59
Acenaphthene	ND		9.76	7.138		mg/Kg		73	34 - 148	16	20
Acenaphthylene	ND		9.76	7.993		mg/Kg		82	53 - 120	17	20
Butyl benzyl phthalate	ND		9.76	8.894		mg/Kg		91	15 - 189	12	20
Dimethyl phthalate	ND		9.76	7.763		mg/Kg		75	44 - 122	14	20

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-1583-14 MSD **Client Sample ID: HA29-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5363 **Prep Batch: 4921**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluorene	ND		9.76	6.926		mg/Kg		71	12 - 186	16	20
Naphthalene	ND		9.76	6.371		mg/Kg		65	20 - 140	20	20
N-Nitrosodi-n-propylamine	ND	F2	9.76	6.615	F2	mg/Kg		68	38 - 140	23	20
Pentachlorophenol	ND	F2	9.76	ND	F2	mg/Kg		43	10 - 124	21	20
Phenol	ND	F2	9.76	6.878	F2	mg/Kg		70	22 - 124	23	20
Pyrene	ND		9.76	9.087		mg/Kg		93	31 - 169	12	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*93*		*18 - 138*
2-Fluorobiphenyl (Surr)	*78*		*27 - 120*
2-Fluorophenol (Surr)	*67*		*25 - 120*
Nitrobenzene-d5 (Surr)	*66*		*33 - 123*
p-Terphenyl-d14 (Surr)	*98*		*27 - 159*
Phenol-d6 (Surr)	*71*		*26 - 122*

Lab Sample ID: MB 570-4949/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5257 **Prep Batch: 4949**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
1,2-Dichlorobenzene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
1,3-Dichlorobenzene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
1,4-Dichlorobenzene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
1-Methylnaphthalene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4,5-Trichlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4,6-Trichlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4-Dichlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4-Dimethylphenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4-Dinitrophenol	ND		50		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,4-Dinitrotoluene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,6-Dichlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2,6-Dinitrotoluene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Chloronaphthalene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Chlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Methylnaphthalene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Methylphenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Nitroaniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
2-Nitrophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
3,3'-Dichlorobenzidine	ND		25		ug/L		07/13/19 09:41	07/15/19 19:00	1
3 & 4 Methylphenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
3-Nitroaniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4,6-Dinitro-2-methylphenol	ND		50		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Bromophenyl phenyl ether	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Chloro-3-methylphenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Chloroaniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Chlorophenyl phenyl ether	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
4-Nitroaniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-4949/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5257 **Prep Batch: 4949**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Acenaphthene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Acenaphthylene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Aniline	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Anthracene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Azobenzene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzidine	ND		50		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[a]anthracene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[a]pyrene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[b]fluoranthene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[g,h,i]perylene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzo[k]fluoranthene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzoic acid	ND		50		ug/L		07/13/19 09:41	07/15/19 19:00	1
Benzyl alcohol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Bis(2-chloroethoxy)methane	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Bis(2-chloroethyl)ether	ND		25		ug/L		07/13/19 09:41	07/15/19 19:00	1
Bis(2-ethylhexyl) phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Butyl benzyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Chrysene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Dibenz(a,h)anthracene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Dibenzofuran	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Diethyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Dimethyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Di-n-butyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Di-n-octyl phthalate	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Fluoranthene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Fluorene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Hexachloro-1,3-butadiene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Hexachlorobenzene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Hexachlorocyclopentadiene	ND		25		ug/L		07/13/19 09:41	07/15/19 19:00	1
Hexachloroethane	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Isophorone	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Naphthalene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Nitrobenzene	ND		25		ug/L		07/13/19 09:41	07/15/19 19:00	1
N-Nitrosodimethylamine	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
N-Nitrosodi-n-propylamine	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
N-Nitrosodiphenylamine	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Pentachlorophenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Phenanthrene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Phenol	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Pyrene	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
Pyridine	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1
bis (2-Chloroisopropyl) ether	ND		10		ug/L		07/13/19 09:41	07/15/19 19:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*32 - 143*	*07/13/19 09:41*	*07/15/19 19:00*	*1*
2-Fluorobiphenyl (Surr)	*86*		*45 - 120*	*07/13/19 09:41*	*07/15/19 19:00*	*1*

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-4949/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5257 **Prep Batch: 4949**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	58		15 - 138	07/13/19 09:41	07/15/19 19:00	1
Nitrobenzene-d5 (Surr)	82		56 - 123	07/13/19 09:41	07/15/19 19:00	1
p-Terphenyl-d14 (Surr)	113		46 - 133	07/13/19 09:41	07/15/19 19:00	1
Phenol-d6 (Surr)	36		17 - 141	07/13/19 09:41	07/15/19 19:00	1

Lab Sample ID: LCS 570-4949/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5257 **Prep Batch: 4949**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	200	166.3		ug/L		83	49 - 120
1,4-Dichlorobenzene	200	163.0		ug/L		81	30 - 100
2,4-Dinitrotoluene	200	182.7		ug/L		91	50 - 120
2-Chlorophenol	200	175.7		ug/L		88	35 - 105
4-Chloro-3-methylphenol	200	169.4		ug/L		85	45 - 110
4-Nitrophenol	200	87.05		ug/L		44	20 - 150
Acenaphthene	200	174.8		ug/L		87	45 - 110
Acenaphthylene	200	196.7		ug/L		98	50 - 105
Butyl benzyl phthalate	200	173.4		ug/L		87	45 - 115
Dimethyl phthalate	200	180.2		ug/L		90	25 - 125
Fluorene	200	176.8		ug/L		88	50 - 110
Naphthalene	200	161.5		ug/L		81	40 - 100
N-Nitrosodi-n-propylamine	200	176.7		ug/L		88	35 - 130
Pentachlorophenol	200	143.9		ug/L		72	40 - 115
Phenol	200	88.46		ug/L		44	10 - 115
Pyrene	200	176.5		ug/L		88	50 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	86		32 - 143
2-Fluorobiphenyl (Surr)	90		45 - 120
2-Fluorophenol (Surr)	65		15 - 138
Nitrobenzene-d5 (Surr)	88		56 - 123
p-Terphenyl-d14 (Surr)	95		46 - 133
Phenol-d6 (Surr)	43		17 - 141

Lab Sample ID: LCSD 570-4949/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5257 **Prep Batch: 4949**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	200	137.1		ug/L		69	49 - 120	19	20
1,4-Dichlorobenzene	200	137.8		ug/L		69	30 - 100	17	26
2,4-Dinitrotoluene	200	150.0		ug/L		75	50 - 120	20	36
2-Chlorophenol	200	148.2		ug/L		74	35 - 105	17	18
4-Chloro-3-methylphenol	200	137.3		ug/L		69	45 - 110	21	40
4-Nitrophenol	200	66.57		ug/L		33	20 - 150	27	40
Acenaphthene	200	143.8		ug/L		72	45 - 110	19	20
Acenaphthylene	200	161.0		ug/L		81	50 - 105	20	20

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-4949/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5257 **Prep Batch: 4949**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Butyl benzyl phthalate	200	145.8		ug/L		73	45 - 115	17	20
Dimethyl phthalate	200	149.0		ug/L		74	25 - 125	19	20
Fluorene	200	144.4		ug/L		72	50 - 110	20	20
Naphthalene	200	135.4		ug/L		68	40 - 100	18	20
N-Nitrosodi-n-propylamine	200	144.8		ug/L		72	35 - 130	20	20
Pentachlorophenol	200	118.3		ug/L		59	40 - 115	20	40
Phenol	200	72.61		ug/L		36	10 - 115	20	23
Pyrene	200	152.4		ug/L		76	50 - 130	15	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*66*		*32 - 143*
2-Fluorobiphenyl (Surr)	*73*		*45 - 120*
2-Fluorophenol (Surr)	*51*		*15 - 138*
Nitrobenzene-d5 (Surr)	*69*		*56 - 123*
p-Terphenyl-d14 (Surr)	*77*		*46 - 133*
Phenol-d6 (Surr)	*33*		*17 - 141*

Lab Sample ID: MB 570-5599/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5946 **Prep Batch: 5599**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
1,2-Dichlorobenzene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
1,3-Dichlorobenzene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
1,4-Dichlorobenzene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
1-Methylnaphthalene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2,4,5-Trichlorophenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2,4,6-Trichlorophenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2,4-Dichlorophenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2,4-Dimethylphenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2,4-Dinitrophenol	ND		2.0	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2,4-Dinitrotoluene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2,6-Dichlorophenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2,6-Dinitrotoluene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2-Chloronaphthalene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2-Chlorophenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2-Methylnaphthalene	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2-Methylphenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2-Nitroaniline	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
2-Nitrophenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
3,3'-Dichlorobenzidine	ND		2.5	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
3 & 4 Methylphenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
3-Nitroaniline	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
4,6-Dinitro-2-methylphenol	ND		2.5	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
4-Bromophenyl phenyl ether	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
4-Chloro-3-methylphenol	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1
4-Chloroaniline	ND		0.50	mg/Kg		07/16/19 20:15	07/18/19 12:02	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-5599/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 5946
Prep Batch: 5599

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
4-Nitroaniline	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
4-Nitrophenol	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Acenaphthene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Acenaphthylene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Aniline	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Anthracene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Azobenzene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Benzidine	ND		5.0		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Benzo[a]anthracene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Benzo[a]pyrene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Benzo[b]fluoranthene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Benzo[g,h,i]perylene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Benzo[k]fluoranthene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Benzoic acid	ND		2.5		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Benzyl alcohol	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Bis(2-chloroethoxy)methane	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Bis(2-chloroethyl)ether	ND		2.5		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Bis(2-ethylhexyl) phthalate	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Butyl benzyl phthalate	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Chrysene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Dibenz(a,h)anthracene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Dibenzofuran	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Diethyl phthalate	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Dimethyl phthalate	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Di-n-butyl phthalate	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Di-n-octyl phthalate	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Fluoranthene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Fluorene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Hexachloro-1,3-butadiene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Hexachlorobenzene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Hexachlorocyclopentadiene	ND		1.5		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Hexachloroethane	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Indeno[1,2,3-cd]pyrene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Isophorone	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Naphthalene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Nitrobenzene	ND		2.0		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
N-Nitrosodimethylamine	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
N-Nitrosodi-n-propylamine	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
N-Nitrosodiphenylamine	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Pentachlorophenol	ND		2.5		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Phenanthrene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Phenol	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Pyrene	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
Pyridine	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1
bis (2-Chloroisopropyl) ether	ND		0.50		mg/Kg		07/16/19 20:15	07/18/19 12:02	1

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-5599/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5946 **Prep Batch: 5599**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		18 - 138	07/16/19 20:15	07/18/19 12:02	1
2-Fluorobiphenyl (Surr)	83		27 - 120	07/16/19 20:15	07/18/19 12:02	1
2-Fluorophenol (Surr)	81		25 - 120	07/16/19 20:15	07/18/19 12:02	1
Nitrobenzene-d5 (Surr)	80		33 - 123	07/16/19 20:15	07/18/19 12:02	1
p-Terphenyl-d14 (Surr)	98		27 - 159	07/16/19 20:15	07/18/19 12:02	1
Phenol-d6 (Surr)	82		26 - 122	07/16/19 20:15	07/18/19 12:02	1

Lab Sample ID: LCS 570-5599/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5946 **Prep Batch: 5599**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	10.0	8.114		mg/Kg		81	45 - 129
1,4-Dichlorobenzene	10.0	7.815		mg/Kg		78	42 - 132
2,4-Dinitrotoluene	10.0	8.766		mg/Kg		88	51 - 129
2-Chlorophenol	10.0	8.737		mg/Kg		87	58 - 124
4-Chloro-3-methylphenol	10.0	7.694		mg/Kg		77	55 - 151
4-Nitrophenol	10.0	5.349		mg/Kg		53	24 - 126
Acenaphthene	10.0	7.797		mg/Kg		78	51 - 123
Acenaphthylene	10.0	9.125		mg/Kg		91	52 - 120
Butyl benzyl phthalate	10.0	9.321		mg/Kg		93	43 - 139
Dimethyl phthalate	10.0	7.891		mg/Kg		79	51 - 123
Fluorene	10.0	7.647		mg/Kg		76	54 - 126
Naphthalene	10.0	7.760		mg/Kg		78	32 - 146
N-Nitrosodi-n-propylamine	10.0	8.230		mg/Kg		82	40 - 136
Pentachlorophenol	10.0	4.422		mg/Kg		44	23 - 131
Phenol	10.0	8.467		mg/Kg		85	40 - 130
Pyrene	10.0	9.221		mg/Kg		92	47 - 143

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	90		18 - 138
2-Fluorobiphenyl (Surr)	90		27 - 120
2-Fluorophenol (Surr)	89		25 - 120
Nitrobenzene-d5 (Surr)	83		33 - 123
p-Terphenyl-d14 (Surr)	107		27 - 159
Phenol-d6 (Surr)	89		26 - 122

Lab Sample ID: 570-1583-29 MS **Client Sample ID: HA33-0.5 DUP**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5946 **Prep Batch: 5599**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		9.91	7.563		mg/Kg		76	56 - 120
1,4-Dichlorobenzene	ND		9.91	6.833		mg/Kg		69	43 - 120
2,4-Dinitrotoluene	ND		9.91	9.527		mg/Kg		96	28 - 120
2-Chlorophenol	ND		9.91	8.649		mg/Kg		87	53 - 120
4-Chloro-3-methylphenol	ND		9.91	7.840		mg/Kg		79	32 - 120
4-Nitrophenol	ND		9.91	6.129		mg/Kg		62	14 - 128

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-1583-29 MS **Client Sample ID: HA33-0.5 DUP**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5946 **Prep Batch: 5599**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		9.91	7.787		mg/Kg		79	34 - 148
Acenaphthylene	ND		9.91	9.069		mg/Kg		92	53 - 120
Butyl benzyl phthalate	ND		9.91	9.722		mg/Kg		98	15 - 189
Dimethyl phthalate	0.87		9.91	9.153		mg/Kg		84	44 - 122
Fluorene	ND		9.91	7.826		mg/Kg		79	12 - 186
Naphthalene	ND		9.91	7.618		mg/Kg		77	20 - 140
N-Nitrosodi-n-propylamine	ND		9.91	8.008		mg/Kg		81	38 - 140
Pentachlorophenol	ND		9.91	2.834		mg/Kg		29	10 - 124
Phenol	ND		9.91	8.342		mg/Kg		84	22 - 124
Pyrene	ND		9.91	9.245		mg/Kg		93	31 - 169

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*84*		*18 - 138*
2-Fluorobiphenyl (Surr)	*86*		*27 - 120*
2-Fluorophenol (Surr)	*84*		*25 - 120*
Nitrobenzene-d5 (Surr)	*80*		*33 - 123*
p-Terphenyl-d14 (Surr)	*103*		*27 - 159*
Phenol-d6 (Surr)	*86*		*26 - 122*

Lab Sample ID: 570-1583-29 MSD **Client Sample ID: HA33-0.5 DUP**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5946 **Prep Batch: 5599**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND		9.95	8.042		mg/Kg		81	56 - 120	6	20
1,4-Dichlorobenzene	ND		9.95	6.779		mg/Kg		68	43 - 120	1	26
2,4-Dinitrotoluene	ND		9.95	10.21		mg/Kg		103	28 - 120	7	20
2-Chlorophenol	ND		9.95	9.226		mg/Kg		93	53 - 120	6	20
4-Chloro-3-methylphenol	ND		9.95	8.533		mg/Kg		86	32 - 120	8	20
4-Nitrophenol	ND		9.95	6.589		mg/Kg		66	14 - 128	7	59
Acenaphthene	ND		9.95	8.497		mg/Kg		85	34 - 148	9	20
Acenaphthylene	ND		9.95	9.820		mg/Kg		99	53 - 120	8	20
Butyl benzyl phthalate	ND		9.95	9.889		mg/Kg		99	15 - 189	2	20
Dimethyl phthalate	0.87		9.95	9.405		mg/Kg		86	44 - 122	3	20
Fluorene	ND		9.95	8.572		mg/Kg		86	12 - 186	9	20
Naphthalene	ND		9.95	8.146		mg/Kg		82	20 - 140	7	20
N-Nitrosodi-n-propylamine	ND		9.95	8.593		mg/Kg		86	38 - 140	7	20
Pentachlorophenol	ND		9.95	3.038		mg/Kg		31	10 - 124	7	20
Phenol	ND		9.95	9.168		mg/Kg		92	22 - 124	9	20
Pyrene	ND		9.95	9.455		mg/Kg		95	31 - 169	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*93*		*18 - 138*
2-Fluorobiphenyl (Surr)	*95*		*27 - 120*
2-Fluorophenol (Surr)	*90*		*25 - 120*
Nitrobenzene-d5 (Surr)	*85*		*33 - 123*
p-Terphenyl-d14 (Surr)	*102*		*27 - 159*
Phenol-d6 (Surr)	*94*		*26 - 122*

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 570-5013/3-A
Matrix: Solid
Analysis Batch: 5151

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5013

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		0.10	mg/Kg		07/13/19 13:11	07/15/19 13:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*42 - 126*	*07/13/19 13:11*	*07/15/19 13:10*	*1*

Lab Sample ID: LCS 570-5013/1-A
Matrix: Solid
Analysis Batch: 5151

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5013

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	1.99	2.051		mg/Kg		103	70 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*42 - 126*

Lab Sample ID: LCSD 570-5013/2-A
Matrix: Solid
Analysis Batch: 5151

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5013

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	2.03	2.232		mg/Kg		110	70 - 124	8	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*42 - 126*

Lab Sample ID: 570-1583-1 MS
Matrix: Solid
Analysis Batch: 5151

Client Sample ID: HA24-0.5
Prep Type: Total/NA
Prep Batch: 5013

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (C4-C13)	ND	F1 F2	2.04	1.498		mg/Kg		74	48 - 114

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*42 - 126*

Lab Sample ID: MB 570-5143/6
Matrix: Water
Analysis Batch: 5143

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		50	ug/L			07/15/19 13:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*38 - 134*		*07/15/19 13:07*	*1*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCS 570-5143/3 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5143

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (C4-C13)			2000	1945		ug/L		97	78 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*38 - 134*

Lab Sample ID: LCSD 570-5143/4 **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5143

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			2000	1912		ug/L		96	78 - 120	2	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*38 - 134*

Lab Sample ID: 570-1452-A-7 MS **Client Sample ID: Matrix Spike**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5143

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (C4-C13)	9100		20000	24960		ug/L		80	68 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*38 - 134*

Lab Sample ID: 570-1452-A-7 MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5143

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	9100		20000	25660		ug/L		83	68 - 122	3	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*38 - 134*

Lab Sample ID: 570-1583-1 MSD **Client Sample ID: HA24-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5151 **Prep Batch: 5167**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	ND	F1 F2	1.97	1.320		mg/Kg		67	48 - 114	13	23

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: 570-1583-1 MSD
Matrix: Solid
Analysis Batch: 5151

Client Sample ID: HA24-0.5
Prep Type: Total/NA
Prep Batch: 5167

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*104*		*42 - 126*

Lab Sample ID: MB 570-5180/1-A
Matrix: Solid
Analysis Batch: 5151

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5180

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C13)	ND		4.0		mg/Kg		07/15/19 12:24	07/15/19 13:43	20

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*93*		*42 - 126*	*07/15/19 12:24*	*07/15/19 13:43*	*20*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-5081/1-A
Matrix: Water
Analysis Batch: 5651

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5081

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C13-C14	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C15-C16	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C17-C18	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C19-C20	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C21-C22	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C23-C24	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C25-C28	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C29-C32	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C33-C36	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C37-C40	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C41-C44	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C9-C10	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C6 as C6	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C7 as C7	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1
C8 as C8	ND		50		ug/L		07/14/19 11:42	07/17/19 11:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	*109*		*68 - 140*	*07/14/19 11:42*	*07/17/19 11:53*	*1*

Lab Sample ID: LCS 570-5081/2-A
Matrix: Water
Analysis Batch: 5651

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5081

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	2000	2143		ug/L		107	69 - 123

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 570-5081/2-A
Matrix: Water
Analysis Batch: 5651

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5081

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	*109*		*68 - 140*

Lab Sample ID: LCSD 570-5081/3-A
Matrix: Water
Analysis Batch: 5651

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5081

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	2000	2250		ug/L		113	69 - 123	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane (Surr)	*116*		*68 - 140*

Lab Sample ID: MB 570-5396/1-A
Matrix: Solid
Analysis Batch: 5586

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5396

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C13-C14	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C15-C16	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C17-C18	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C19-C20	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C21-C22	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C23-C24	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C25-C28	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C29-C32	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C33-C36	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C37-C40	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C41-C44	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C9-C10	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C6 as C6	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C7 as C7	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1
C8 as C8	ND		5.0	mg/Kg		07/16/19 11:34	07/16/19 20:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	*81*		*61 - 145*	*07/16/19 11:34*	*07/16/19 20:14*	*1*

Lab Sample ID: LCS 570-5396/2-A
Matrix: Solid
Analysis Batch: 5586

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5396

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	396	393.1		mg/Kg		99	67 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	*97*		*61 - 145*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: 570-1478-A-1-C MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5586 **Prep Batch: 5396**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	8.4		400	392.8		mg/Kg		96	33 - 153		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*94*		*61 - 145*

Lab Sample ID: 570-1478-A-1-D MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5586 **Prep Batch: 5396**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	8.4		396	429.2		mg/Kg		106	33 - 153	9	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*95*		*61 - 145*

Lab Sample ID: MB 570-5461/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5469 **Prep Batch: 5461**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C11-C12	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C13-C14	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C15-C16	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C17-C18	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C19-C20	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C21-C22	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C23-C24	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C25-C28	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C29-C32	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C33-C36	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C37-C40	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C41-C44	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C9-C10	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C6 as C6	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C7 as C7	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1
C8 as C8	ND		5.0		mg/Kg		07/16/19 13:38	07/17/19 01:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*95*		*61 - 145*	*07/16/19 13:38*	*07/17/19 01:19*	*1*

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 570-5461/2-A
Matrix: Solid
Analysis Batch: 5469

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5461

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]			400	430.0		mg/Kg		108	67 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*109*		*61 - 145*

Lab Sample ID: 570-1646-A-1-H MS
Matrix: Solid
Analysis Batch: 5469

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 5461

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	12		400	348.4		mg/Kg		84	33 - 153

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*86*		*61 - 145*

Lab Sample ID: 570-1646-A-1-I MSD
Matrix: Solid
Analysis Batch: 5469

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 5461

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	12		392	302.8		mg/Kg		74	33 - 153	14	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*71*		*61 - 145*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 570-4917/1-A
Matrix: Solid
Analysis Batch: 5841

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4917

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
4,4'-DDE	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
4,4'-DDT	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
Aldrin	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
alpha-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
beta-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
Chlordane	ND		25		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
delta-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
Dieldrin	ND		1.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
Endosulfan I	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
Endosulfan II	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
Endosulfan sulfate	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
Endrin	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
Endrin aldehyde	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 570-4917/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5841 **Prep Batch: 4917**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Endrin ketone	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
gamma-BHC	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
Heptachlor	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
Heptachlor epoxide	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
Methoxychlor	ND		5.0		ug/Kg		07/12/19 20:20	07/18/19 05:55	1
Toxaphene	ND		25		ug/Kg		07/12/19 20:20	07/18/19 05:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*85*		*25 - 145*	*07/12/19 20:20*	*07/18/19 05:55*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*24 - 168*	*07/12/19 20:20*	*07/18/19 05:55*	*1*

Lab Sample ID: LCS 570-4917/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5841 **Prep Batch: 4917**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	25.0	20.70		ug/Kg		83	50 - 135
4,4'-DDE	25.0	19.62		ug/Kg		78	50 - 135
4,4'-DDT	25.0	21.15		ug/Kg		85	50 - 135
Aldrin	25.0	18.35		ug/Kg		73	50 - 135
alpha-BHC	25.0	21.85		ug/Kg		87	50 - 135
beta-BHC	25.0	20.79		ug/Kg		83	50 - 135
delta-BHC	25.0	22.22		ug/Kg		89	50 - 135
Dieldrin	25.0	20.96		ug/Kg		84	50 - 135
Endosulfan I	25.0	21.52		ug/Kg		86	50 - 135
Endosulfan II	25.0	21.27		ug/Kg		85	50 - 135
Endosulfan sulfate	25.0	20.69		ug/Kg		83	50 - 135
Endrin	25.0	20.78		ug/Kg		83	50 - 135
Endrin aldehyde	25.0	19.76		ug/Kg		79	50 - 135
gamma-BHC	25.0	21.63		ug/Kg		87	50 - 135
Heptachlor	25.0	20.44		ug/Kg		82	50 - 135
Heptachlor epoxide	25.0	20.74		ug/Kg		83	50 - 135
Methoxychlor	25.0	18.71		ug/Kg		75	50 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*87*		*25 - 145*
DCB Decachlorobiphenyl (Surr)	*83*		*24 - 168*

Lab Sample ID: 570-1583-4 MS **Client Sample ID: HA25-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5841 **Prep Batch: 4917**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	ND		24.9	21.06		ug/Kg		84	50 - 135
4,4'-DDE	ND		24.9	21.78		ug/Kg		87	50 - 135
4,4'-DDT	ND		24.9	20.23		ug/Kg		81	50 - 135
Aldrin	ND		24.9	18.07		ug/Kg		72	50 - 135
alpha-BHC	ND		24.9	17.57		ug/Kg		70	50 - 135

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 570-1583-4 MS **Client Sample ID: HA25-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5841 **Prep Batch: 4917**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
beta-BHC	ND		24.9	20.27		ug/Kg		81	50 - 135
delta-BHC	ND		24.9	20.94		ug/Kg		84	50 - 135
Dieldrin	ND		24.9	19.95		ug/Kg		80	50 - 135
Endosulfan I	ND		24.9	18.92		ug/Kg		76	50 - 135
Endosulfan II	ND		24.9	19.99		ug/Kg		80	50 - 135
Endosulfan sulfate	ND		24.9	18.86		ug/Kg		76	50 - 135
Endrin	ND		24.9	21.26		ug/Kg		85	50 - 135
Endrin aldehyde	ND		24.9	17.24		ug/Kg		69	50 - 135
gamma-BHC	ND		24.9	18.69		ug/Kg		75	50 - 135
Heptachlor	ND		24.9	16.91		ug/Kg		68	50 - 135
Heptachlor epoxide	ND		24.9	19.21		ug/Kg		77	50 - 135
Methoxychlor	ND		24.9	18.52		ug/Kg		74	50 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*61*		*25 - 145*
DCB Decachlorobiphenyl (Surr)	*78*		*24 - 168*

Lab Sample ID: 570-1583-4 MSD **Client Sample ID: HA25-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5841 **Prep Batch: 4917**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	ND		25.0	20.47		ug/Kg		82	50 - 135	3	25
4,4'-DDE	ND		25.0	21.05		ug/Kg		84	50 - 135	3	25
4,4'-DDT	ND		25.0	18.84		ug/Kg		75	50 - 135	7	25
Aldrin	ND		25.0	17.52		ug/Kg		70	50 - 135	3	25
alpha-BHC	ND		25.0	17.13		ug/Kg		68	50 - 135	3	25
beta-BHC	ND		25.0	19.61		ug/Kg		78	50 - 135	3	25
delta-BHC	ND		25.0	20.21		ug/Kg		81	50 - 135	4	25
Dieldrin	ND		25.0	19.32		ug/Kg		77	50 - 135	3	25
Endosulfan I	ND		25.0	18.29		ug/Kg		73	50 - 135	3	25
Endosulfan II	ND		25.0	19.11		ug/Kg		76	50 - 135	5	25
Endosulfan sulfate	ND		25.0	18.24		ug/Kg		73	50 - 135	3	25
Endrin	ND		25.0	20.48		ug/Kg		82	50 - 135	4	25
Endrin aldehyde	ND		25.0	16.56		ug/Kg		66	50 - 135	4	25
gamma-BHC	ND		25.0	18.19		ug/Kg		73	50 - 135	3	25
Heptachlor	ND		25.0	16.48		ug/Kg		66	50 - 135	3	25
Heptachlor epoxide	ND		25.0	18.56		ug/Kg		74	50 - 135	3	25
Methoxychlor	ND		25.0	17.58		ug/Kg		70	50 - 135	5	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*59*		*25 - 145*
DCB Decachlorobiphenyl (Surr)	*77*		*24 - 168*

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 570-4936/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5371 **Prep Batch: 4936**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	ug/L		07/13/19 07:33	07/16/19 13:11	1
4,4'-DDE	ND		0.020	ug/L		07/13/19 07:33	07/16/19 13:11	1
4,4'-DDT	ND		0.050	ug/L		07/13/19 07:33	07/16/19 13:11	1
Aldrin	ND		0.050	ug/L		07/13/19 07:33	07/16/19 13:11	1
alpha-BHC	ND		0.020	ug/L		07/13/19 07:33	07/16/19 13:11	1
beta-BHC	ND		0.020	ug/L		07/13/19 07:33	07/16/19 13:11	1
Chlordane	ND		0.10	ug/L		07/13/19 07:33	07/16/19 13:11	1
delta-BHC	ND		0.020	ug/L		07/13/19 07:33	07/16/19 13:11	1
Dieldrin	ND		0.050	ug/L		07/13/19 07:33	07/16/19 13:11	1
Endosulfan I	ND		0.050	ug/L		07/13/19 07:33	07/16/19 13:11	1
Endosulfan II	ND		0.050	ug/L		07/13/19 07:33	07/16/19 13:11	1
Endosulfan sulfate	ND		0.050	ug/L		07/13/19 07:33	07/16/19 13:11	1
Endrin	ND		0.020	ug/L		07/13/19 07:33	07/16/19 13:11	1
Endrin aldehyde	ND		0.10	ug/L		07/13/19 07:33	07/16/19 13:11	1
Endrin ketone	ND		0.050	ug/L		07/13/19 07:33	07/16/19 13:11	1
gamma-BHC	ND		0.020	ug/L		07/13/19 07:33	07/16/19 13:11	1
Heptachlor	ND		0.020	ug/L		07/13/19 07:33	07/16/19 13:11	1
Heptachlor epoxide	ND		0.020	ug/L		07/13/19 07:33	07/16/19 13:11	1
Methoxychlor	ND		0.050	ug/L		07/13/19 07:33	07/16/19 13:11	1
Toxaphene	ND		0.30	ug/L		07/13/19 07:33	07/16/19 13:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*88*		*50 - 135*	*07/13/19 07:33*	*07/16/19 13:11*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*50 - 135*	*07/13/19 07:33*	*07/16/19 13:11*	*1*

Lab Sample ID: LCS 570-4936/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5371 **Prep Batch: 4936**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.250	0.2337		ug/L		93	50 - 135
4,4'-DDE	0.250	0.2398		ug/L		96	50 - 135
4,4'-DDT	0.250	0.2264		ug/L		91	50 - 135
Aldrin	0.250	0.2175		ug/L		87	50 - 135
alpha-BHC	0.250	0.2255		ug/L		90	50 - 135
beta-BHC	0.250	0.2225		ug/L		89	50 - 135
delta-BHC	0.250	0.2323		ug/L		93	50 - 135
Dieldrin	0.250	0.2239		ug/L		90	50 - 135
Endosulfan I	0.250	0.2230		ug/L		89	50 - 135
Endosulfan II	0.250	0.2197		ug/L		88	50 - 135
Endosulfan sulfate	0.250	0.2195		ug/L		88	50 - 135
Endrin	0.250	0.2291		ug/L		92	50 - 135
Endrin aldehyde	0.250	0.2048		ug/L		82	50 - 135
gamma-BHC	0.250	0.2266		ug/L		91	50 - 135
Heptachlor	0.250	0.2155		ug/L		86	50 - 135
Heptachlor epoxide	0.250	0.2246		ug/L		90	50 - 135
Methoxychlor	0.250	0.2134		ug/L		85	50 - 135

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 570-4936/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5371 **Prep Batch: 4936**

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*85*		*50 - 135*
DCB Decachlorobiphenyl (Surr)	*77*		*50 - 135*

Lab Sample ID: LCSD 570-4936/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5371 **Prep Batch: 4936**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.250	0.2342		ug/L		94	50 - 135	0	25
4,4'-DDE	0.250	0.2443		ug/L		98	50 - 135	2	25
4,4'-DDT	0.250	0.2292		ug/L		92	50 - 135	1	25
Aldrin	0.250	0.2270		ug/L		91	50 - 135	4	25
alpha-BHC	0.250	0.2462		ug/L		98	50 - 135	9	25
beta-BHC	0.250	0.2318		ug/L		93	50 - 135	4	25
delta-BHC	0.250	0.2419		ug/L		97	50 - 135	4	25
Dieldrin	0.250	0.2297		ug/L		92	50 - 135	3	25
Endosulfan I	0.250	0.2299		ug/L		92	50 - 135	3	25
Endosulfan II	0.250	0.2243		ug/L		90	50 - 135	2	25
Endosulfan sulfate	0.250	0.2220		ug/L		89	50 - 135	1	25
Endrin	0.250	0.2365		ug/L		95	50 - 135	3	25
Endrin aldehyde	0.250	0.2096		ug/L		84	50 - 135	2	25
gamma-BHC	0.250	0.2383		ug/L		95	50 - 135	5	25
Heptachlor	0.250	0.2245		ug/L		90	50 - 135	4	25
Heptachlor epoxide	0.250	0.2319		ug/L		93	50 - 135	3	25
Methoxychlor	0.250	0.2119		ug/L		85	50 - 135	1	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*90*		*50 - 135*
DCB Decachlorobiphenyl (Surr)	*77*		*50 - 135*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 570-4917/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5937 **Prep Batch: 4917**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50		ug/Kg		07/12/19 20:20	07/18/19 16:02	1
PCB-1221	ND		50		ug/Kg		07/12/19 20:20	07/18/19 16:02	1
PCB-1232	ND		50		ug/Kg		07/12/19 20:20	07/18/19 16:02	1
PCB-1242	ND		50		ug/Kg		07/12/19 20:20	07/18/19 16:02	1
PCB-1248	ND		50		ug/Kg		07/12/19 20:20	07/18/19 16:02	1
PCB-1254	ND		50		ug/Kg		07/12/19 20:20	07/18/19 16:02	1
PCB-1260	ND		50		ug/Kg		07/12/19 20:20	07/18/19 16:02	1
PCB-1262	ND		50		ug/Kg		07/12/19 20:20	07/18/19 16:02	1
PCB-1268	ND		50		ug/Kg		07/12/19 20:20	07/18/19 16:02	1

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 570-4917/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5937 **Prep Batch: 4917**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	85		24 - 168	07/12/19 20:20	07/18/19 16:02	1
Tetrachloro-m-xylene	86		25 - 145	07/12/19 20:20	07/18/19 16:02	1

Lab Sample ID: LCS 570-4917/5-B **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5937 **Prep Batch: 4917**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	100	99.33		ug/Kg		99	50 - 135
PCB-1260	100	89.68		ug/Kg		90	50 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	88		24 - 168
Tetrachloro-m-xylene	87		25 - 145

Lab Sample ID: 570-1583-1 MS **Client Sample ID: HA24-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5937 **Prep Batch: 4917**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		99.3	91.18		ug/Kg		92	50 - 135
PCB-1260	ND		99.3	93.62		ug/Kg		94	50 - 135

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	88		24 - 168
Tetrachloro-m-xylene	76		25 - 145

Lab Sample ID: 570-1583-1 MSD **Client Sample ID: HA24-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 5937 **Prep Batch: 4917**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		98.7	97.15		ug/Kg		98	50 - 135	11	20
PCB-1260	ND		98.7	96.30		ug/Kg		98	50 - 135	7	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	92		24 - 168
Tetrachloro-m-xylene	78		25 - 145

Lab Sample ID: MB 570-4936/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5088 **Prep Batch: 4936**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	ug/L		07/13/19 07:33	07/14/19 15:44	1
PCB-1221	ND		0.50	ug/L		07/13/19 07:33	07/14/19 15:44	1
PCB-1232	ND		0.50	ug/L		07/13/19 07:33	07/14/19 15:44	1
PCB-1242	ND		0.50	ug/L		07/13/19 07:33	07/14/19 15:44	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 570-4936/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5088 **Prep Batch: 4936**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		0.50		ug/L		07/13/19 07:33	07/14/19 15:44	1
PCB-1254	ND		0.50		ug/L		07/13/19 07:33	07/14/19 15:44	1
PCB-1260	ND		0.50		ug/L		07/13/19 07:33	07/14/19 15:44	1
PCB-1262	ND		0.50		ug/L		07/13/19 07:33	07/14/19 15:44	1
PCB-1268	ND		0.50		ug/L		07/13/19 07:33	07/14/19 15:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*75*		*50 - 135*	*07/13/19 07:33*	*07/14/19 15:44*	*1*
Tetrachloro-m-xylene	*90*		*50 - 135*	*07/13/19 07:33*	*07/14/19 15:44*	*1*

Lab Sample ID: LCS 570-4936/4-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5088 **Prep Batch: 4936**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.00	1.006		ug/L		101	50 - 135
PCB-1260	1.00	0.7828		ug/L		78	50 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*77*		*50 - 135*
Tetrachloro-m-xylene	*90*		*50 - 135*

Lab Sample ID: LCSD 570-4936/5-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 5088 **Prep Batch: 4936**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	1.00	1.065		ug/L		106	50 - 135	6	25
PCB-1260	1.00	0.8492		ug/L		85	50 - 135	8	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*81*		*50 - 135*
Tetrachloro-m-xylene	*94*		*50 - 135*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-5890/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7185 **Prep Batch: 5890**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.513		mg/Kg		07/17/19 17:00	07/23/19 14:03	1

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 570-5890/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7185 **Prep Batch: 5890**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	24.9	25.92		mg/Kg		104	80 - 120

Lab Sample ID: LCSD 570-5890/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7185 **Prep Batch: 5890**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	25.1	26.85		mg/Kg		107	80 - 120	4	20

Lab Sample ID: 570-1583-1 MS **Client Sample ID: HA24-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7185 **Prep Batch: 5890**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	4.22		25.0	28.76		mg/Kg		98	75 - 125

Lab Sample ID: 570-1583-1 MSD **Client Sample ID: HA24-0.5**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 7185 **Prep Batch: 5890**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	4.22		25.1	28.69		mg/Kg		97	75 - 125	0	20

Lab Sample ID: MB 570-6529/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 7721 **Prep Batch: 6529**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0500	mg/L		07/20/19 08:00	07/24/19 21:13	1

Lab Sample ID: LCS 570-6529/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 7721 **Prep Batch: 6529**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.500	0.5366		mg/L		107	80 - 120

Lab Sample ID: LCSD 570-6529/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 7721 **Prep Batch: 6529**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	0.500	0.5327		mg/L		107	80 - 120	1	20

Lab Sample ID: 570-1712-C-2-C MS **Client Sample ID: Matrix Spike**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 7721 **Prep Batch: 6529**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	ND	F2 F1	0.500	0.3268	F1	mg/L		61	84 - 120

Client: EFI Global, Inc.	Job ID: 570-1583-1
Project/Site: WH TAFT HS

Method: 6010B - Metals (ICP)

Lab Sample ID: 570-1712-C-2-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 7721 — **Prep Batch: 6529**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND	F2 F1	0.500	0.3826	F2 F1	mg/L		72	84 - 120	16	7

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 570-5648/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 6304 — **Prep Batch: 5648**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00100		mg/L		07/16/19 14:00	07/18/19 13:20	1

Lab Sample ID: LCS 570-5648/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 6304 — **Prep Batch: 5648**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.100	0.1051		mg/L		105	80 - 120

Lab Sample ID: LCSD 570-5648/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 6304 — **Prep Batch: 5648**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.100	0.1077		mg/L		108	80 - 120	2	20

Lab Sample ID: 570-1904-H-2-B MS ^5 — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 6304 — **Prep Batch: 5648**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		0.100	0.1005		mg/L		100	73 - 127

Lab Sample ID: 570-1904-H-2-C MSD ^5 — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 6304 — **Prep Batch: 5648**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		0.100	0.1024		mg/L		102	73 - 127	2	11

Lab Sample ID: MB 570-5851/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 7344 — **Prep Batch: 5851**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.05		mg/Kg		07/18/19 10:00	07/23/19 22:30	100
Thallium	ND		5.05		mg/Kg		07/18/19 10:00	07/23/19 22:30	100

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 570-5851/2-A
Matrix: Solid
Analysis Batch: 7509

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5851

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			25.8	26.56		mg/Kg		103	80 - 120		

Lab Sample ID: LCSD 570-5851/3-A
Matrix: Solid
Analysis Batch: 7509

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 5851

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic			25.0	25.79		mg/Kg		103	80 - 120	3	20

Lab Sample ID: 570-1583-1 MS
Matrix: Solid
Analysis Batch: 7344

Client Sample ID: HA24-0.5
Prep Type: Total/NA
Prep Batch: 5851

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic	ND		25.0	30.43		mg/Kg		112	72 - 132		
Thallium	ND		25.0	26.52		mg/Kg		106	79 - 115		

Lab Sample ID: 570-1583-1 MSD
Matrix: Solid
Analysis Batch: 7344

Client Sample ID: HA24-0.5
Prep Type: Total/NA
Prep Batch: 5851

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		25.0	30.39		mg/Kg		111	72 - 132	0	13
Thallium	ND		25.0	26.50		mg/Kg		106	79 - 115	0	11

Metals

Prep Batch: 5851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-7	HA26-0.5	Total/NA	Solid	3050B	
570-1583-17	HA30-0.5	Total/NA	Solid	3050B	
570-1583-30	HA34-0.5	Total/NA	Solid	3050B	

Analysis Batch: 7344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-7	HA26-0.5	Total/NA	Solid	6020	5851
570-1583-17	HA30-0.5	Total/NA	Solid	6020	5851
570-1583-30	HA34-0.5	Total/NA	Solid	6020	5851

Lab Chronicle

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-1

Client Sample ID: HA26-0.5

Lab Sample ID: 570-1583-7
Date Collected: 07/10/19 09:02
Matrix: Solid
Date Received: 07/11/19 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.06 g	100 mL	5851	07/18/19 10:00	ZHW5	ECL 1
Total/NA	Analysis	6020		100			7344	07/23/19 23:02	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA30-0.5

Lab Sample ID: 570-1583-17
Date Collected: 07/10/19 11:46
Matrix: Solid
Date Received: 07/11/19 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.06 g	100 mL	5851	07/18/19 10:00	ZHW5	ECL 1
Total/NA	Analysis	6020		100			7344	07/23/19 23:13	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA34-0.5

Lab Sample ID: 570-1583-30
Date Collected: 07/10/19 10:02
Matrix: Solid
Date Received: 07/11/19 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	100 mL	5851	07/18/19 10:00	ZHW5	ECL 1
Total/NA	Analysis	6020		100			7344	07/23/19 23:26	UFLE	ECL 1
	Instrument ID: ICPMS05									

Laboratory References:

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

Accreditation/Certification Summary

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

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 Program	AZ0781	03-13-20
California	SCAQMD LAP	N/A	11-30-19
California	State Program	2944	09-30-19
Guam	State Program	19-004R	10-31-19
Hawaii	State Program	N/A	01-29-20
Nevada	State Program	CA00111	07-31-19
Oregon	NELAP Primary AB	CA300001	01-20-20
Washington	State Program	C916	10-11-19

Method Summary

Method	Method Description	Protocol	Laboratory
6020	Metals (ICP/MS)	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1

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

Sample Summary

Client: EFI Global, Inc. Job ID: 570-1583-1
Project/Site: WH TAFT HS

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-1583-7	HA26-0.5	Solid	07/10/19 09:02	07/11/19 19:50	
570-1583-17	HA30-0.5	Solid	07/10/19 11:46	07/11/19 19:50	
570-1583-30	HA34-0.5	Solid	07/10/19 10:02	07/11/19 19:50	

1583

Chain-of-Custody Record

1/3 ~~AE_EFI_01~~

EFI Global — Engineering, Fire & Environmental Services

570-1583 Chain of Custody

al, an EFI Global Company
way, Los Angeles CA 90045
354-0199 www.AndersenEnviro.com

Analytical Laboratory:	Eurofins Calscience	Geotracker Global ID:	
Project Number:	045.00349		WH Taft HS
Project Address:	5461 Winnetka Ave, Woodland Hills, CA 91364		
Project Manager:	Shayan Simantob		
Sampled by:	P. Sreath		
Phone:	(310) 920-1230		
Email:	shayan.simantob@efiglobal.com		

Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	HNO3	NaHSO4	HCl	Sampling Date	Sampling Time	VOCs (8260B, 5035)	Lead (6010B)	Arsenic (6020)	SVOCs (8270C)	TPH + EPH (8015)	PCBs (8082)	OCPs (8081A)	Composite	Hold	4- or 8-ounce Glass	Plastic Bag	VOAs (by EPA 5035)	Normal / Standard (7 DAY)	72 Hour	48 Hours	24 Hours
1	HA24-0.5		X			X							7/10/19	1102	X	X	X	X	X	X	X			X		X	X			
2	HA24-1.5													1104									X							
3	HA24-3													1106							~~X~~ Pb		X							
4	HA25-0.5													0832	X	X	X	X	X		X					X				
5	HA25-1.5													0834									X							
6	HA25-3													0836									X							
7	HA26-0.5													0902	X	X	X	X	X		X					X				
8	HA26-1.5													0904									X							
9	HA26-3													0906									X							
10	HA28-0.5													1100	X	X	X	X	X		X					X				
11	HA28-1.5													1102									X							
12	HA28-3													1104									X							
13	HA28-0.5 DUP													1100	X	X	X	X	X		X					X				
14	HA29-0.5 ~~HA28-1.5 DUP~~													1120	X	X	X	X	X		X					X				
15	HA29-1.5 ~~HA28-3 DUP~~ Pb													1122									X							
16	HA29-3													1124									X							
17	HA30-0.5													1146	X	X	X	X	X		X					X				
18	HA30-1.5													1148									X							
19	HA30-3													1150									X							
20	HA31-2.5													1032	X	X	X	X	X		X					X				

Relinquished by	Date	Time	Received by	Date	Time	Remarks
[signature] 7/11/19	~~7/10/19~~ 7/11/19	~~[illegible]~~ 1440	[signature] EC	7/11/19	1440	Sample condition (circle): Chilled Intact
[signature]	7/11/19	1950	[signature] ecc	7/11/19	1950	Excavation Area:

2.1+0.2 2 3

EFI Global
Engineering, Fire & Environmental Services

Andersen Environmental, an EFI Global Company
5261 West Imperial Highway, Los Angeles CA 90045
Tel: (310) 854-6300 Fax: (310) 854-0199 www.AndersenEnviro.com

Chain-of-Custody Record

~~AE_EFI_01~~ 2/3

Analytical Laboratory:	Eurofins Calscience	Geotracker Global ID:	
Project Number:	045-00349	LAH TASA HS	
Project Address:	5461 Winnetka Ave, Woodland Hills, CA 91364		
Project Manager:			
Sampled by:	see page 1		
Phone:			
Email:			

Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	HNO3	NaHSO4	HCl	Sampling Information: Date	Time	Method: VOCs (8260B, 5035)	Lead (6010B)	Arsenic (6020)	SVOCs (8270C)	TPHg + ERPH (8015)	PCBs (8082)	OCPs (8081A)	Composite	Hold	Container: 4- or 8-ounce Glass	Plastic Bag	VOAs (by EPA 5035)	Turnaround Time: Normal / Standard (7 DAYS)	72 Hour	48 Hours	24 Hours
1	HA31-1.5		X			X							7/10/19	1034									X	X			X			
2	HA31-3													1036									X							
3	HA32-0.5													1222	X	X	X	X	X		X					X				
4	HA32-1.5													1224									X							
5	HA32-3													1226									X							
6	HA33-0.5													1247	X	X	X	X	X		X					X				
7	HA33-1.5													1249									X							
8	HA33-3													1251									X							
9	HA33-0.5 DUP													1247	X	X	X	X	X		X					X				
10	HA34-0.5													1002	X	X	X	X	X		X					X				
11	HA34-1.5													1004									X							
12	HA34-3													1006									X							
13	HA35-0.5													0932	X	X	X	X	X	X	X					X				
14	HA35-1.5													0934									X							
15	HA35-3													0936									X							
16	HA36-0.5													1312	X	X	X	X	X	X	X					X				
17	HA36-1.5													1314									X							
18	HA36-3													1316									X							
19	HA37-0.5													1342	X	X	X	X	X		X					X				
20	HA37-1.5													1344									X							

Relinquished by	Date	Time	Received by	Date	Time	Remarks
[signature]	~~7/11/19~~	~~1440 AM~~	[signature] EC	7/11/19	1440	Sample condition (circle): Chilled Intact
[signature]	7/11/19	1950	[signature] EC	7/11/19	1950	Excavation Area:

2.0 + 0.2 2.2

EFI Global

Engineering, Fire & Environmental Services

Andersen Environmental, an EFI Global Company
5261 West Imperial Highway, Los Angeles CA 90045
Tel: (310) 854-6300 Fax: (310) 854-0199 www.AndersenEnviro.com

Chain-of-Custody Record

~~AE_EFI_04~~ 3 / 3

Analytical Laboratory:	Eurofins Calscience	Geotracker Global ID:	
Project Number:	045.00349	WH TAFT HS	
Project Address:	5461 Winnetka Ave, Woodland Hills, CA 91364		
Project Manager:			
Sampled by:	see page 1		
Phone:			
Email:			

Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	Preservative: HNO3	Preservative: NaHSO4	Preservative: HCl	Sampling Information: Date	Sampling Information: Time	Method: VOCs (8260B, 5035)	Method: Metals (6010B)	Method: Amines (6020)	Method: SVOCs (8270C)	Method: TPHg + EFH (8015)	Method: PCBs (8082)	Method: OCPs (8081A)	Method	Method	Method	Composite	Hold	Container: 4- or 8-ounce Glass	Container: Plastic Bag	Container: VOAs (by EPA 5035)	Container: various	Container: VOAs (Lucc)	Turnaround Time: Normal / Standard (7 DAY)	Turnaround Time: 72 Hour	Turnaround Time: 48 Hours	Turnaround Time: 24 Hours
1	HA37-3		X			X							7/10/19	1346												X	X					X			
2	EB3				X								↓	1600	X	X	X	X	X	X	X									X		↓			
3	TB3							X					↓													X					X	↓			
4																																			
5																																			
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Relinquished by	Date	Time	Received by	Date	Time
[signature]	7/11/19 AM ~~7/10/19~~	1440 AM ~~2300~~	[signature]	7/11/19	1440
[signature]	7/11/19	1950	[signature]	7/11/19	1950

Remarks

Sample condition (circle): Chilled Intact

Excavation Area:

2.1+02 2.3

Login Sample Receipt Checklist

Client: EFI Global, Inc. | Job Number: 570-1583-1

Login Number: 1583
List Number: 1
Creator: Castro, Joy

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	IDs on containers do not match the COC. Logged in per COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

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

Laboratory Job ID: 570-1583-2
Client Project/Site: WH TAFT HS

For:
EFI Global, Inc.
5261 West Imperial Highway
Los Angeles, California 90045

Attn: Desi Salgado

Authorized for release by:
8/15/2019 8:36:43 AM

Hoaibao Nguyen, Project Manager I
hoaibaonguyen@eurofinsus.com

Designee for

Stephen Nowak, Project Manager I
(714)895-5494
stephennowak@eurofinsus.com

Table of Contents

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)

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-2

Job ID: 570-1583-2

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-1583-2

Comments
No additional comments.

Receipt
The samples were received on 7/11/2019 7:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.2º C, 2.3º C and 2.3º C.

Receipt Exceptions

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): HA25-1.5 (570-1583-5) and HA25-3 (570-1583-6). The container labels list 8:32 while the COC lists 8:34; and 8:34 while the COC lists 8:36.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): HA28-0.5 DUP (570-1583-13). The container labels on the Terracores are labeled as HA28-0.5, while the COC reads HA28-0.5 DUP

Metals
Method(s) 6020: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following samples: HA26-1.5 (570-1583-8), HA30-1.5 (570-1583-18), HA34-1.5 (570-1583-31), (570-4005-A-4-D ^100), (570-4005-A-4-E MS ^100), (570-4005-A-4-F MSD ^100), (570-4005-A-4-D PDS ^100) and (570-4005-A-4-D SD ^500).

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

Detection Summary

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-2

Client Sample ID: HA26-1.5 — Lab Sample ID: 570-1583-8

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	26.0		5.00		mg/Kg	100		6020	Total/NA

Client Sample ID: HA30-1.5 — Lab Sample ID: 570-1583-18

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	10.7		5.05		mg/Kg	100		6020	Total/NA

Client Sample ID: HA34-1.5 — Lab Sample ID: 570-1583-31

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.67		5.24		mg/Kg	100		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Method: 6020 - Metals (ICP/MS)

Client Sample ID: HA26-1.5
Date Collected: 07/10/19 09:04
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-8
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	26.0		5.00		mg/Kg		08/10/19 08:00	08/13/19 00:25	100

Client Sample ID: HA30-1.5
Date Collected: 07/10/19 11:48
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-18
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10.7		5.05		mg/Kg		08/10/19 08:00	08/13/19 00:27	100

Client Sample ID: HA34-1.5
Date Collected: 07/10/19 10:04
Date Received: 07/11/19 19:50

Lab Sample ID: 570-1583-31
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.67		5.24		mg/Kg		08/10/19 08:00	08/13/19 00:38	100

QC Sample Results

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-2

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 570-11478/1-A ^20
Matrix: Solid
Analysis Batch: 12005

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11478

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.962	mg/Kg		08/10/19 08:00	08/12/19 23:28	20

Lab Sample ID: LCS 570-11478/2-A ^20
Matrix: Solid
Analysis Batch: 12005

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11478

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	24.5	25.55		mg/Kg		104	80 - 120

Lab Sample ID: LCSD 570-11478/3-A ^20
Matrix: Solid
Analysis Batch: 12005

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 11478

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	25.0	26.12		mg/Kg		104	80 - 120	2	20

Lab Sample ID: 570-4005-A-4-E MS ^100
Matrix: Solid
Analysis Batch: 12005

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 11478

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		24.2	24.45		mg/Kg		101	72 - 132

Lab Sample ID: 570-4005-A-4-F MSD ^100
Matrix: Solid
Analysis Batch: 12005

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 11478

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		24.4	25.19		mg/Kg		103	72 - 132	3	13

QC Association Summary

Metals

Cleanup Batch: 11418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-4005-A-4-E MS ^100	Matrix Spike	Total/NA	Solid	Homogenize Prep	
570-4005-A-4-F MSD ^100	Matrix Spike Duplicate	Total/NA	Solid	Homogenize Prep	

Prep Batch: 11478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-8	HA26-1.5	Total/NA	Solid	3050B	
570-1583-18	HA30-1.5	Total/NA	Solid	3050B	
570-1583-31	HA34-1.5	Total/NA	Solid	3050B	
MB 570-11478/1-A ^20	Method Blank	Total/NA	Solid	3050B	
LCS 570-11478/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-11478/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-4005-A-4-E MS ^100	Matrix Spike	Total/NA	Solid	3050B	11418
570-4005-A-4-F MSD ^100	Matrix Spike Duplicate	Total/NA	Solid	3050B	11418

Analysis Batch: 12005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-8	HA26-1.5	Total/NA	Solid	6020	11478
570-1583-18	HA30-1.5	Total/NA	Solid	6020	11478
570-1583-31	HA34-1.5	Total/NA	Solid	6020	11478
MB 570-11478/1-A ^20	Method Blank	Total/NA	Solid	6020	11478
LCS 570-11478/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	11478
LCSD 570-11478/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	6020	11478
570-4005-A-4-E MS ^100	Matrix Spike	Total/NA	Solid	6020	11478
570-4005-A-4-F MSD ^100	Matrix Spike Duplicate	Total/NA	Solid	6020	11478

Client Sample ID: HA26-1.5
Lab Sample ID: 570-1583-8
Date Collected: 07/10/19 09:04
Matrix: Solid
Date Received: 07/11/19 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	100 mL	11478	08/10/19 08:00	JG	ECL 1
Total/NA	Analysis	6020		100			12005	08/13/19 00:25	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA30-1.5
Lab Sample ID: 570-1583-18
Date Collected: 07/10/19 11:48
Matrix: Solid
Date Received: 07/11/19 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.98 g	100 mL	11478	08/10/19 08:00	JG	ECL 1
Total/NA	Analysis	6020		100			12005	08/13/19 00:27	UFLE	ECL 1
	Instrument ID: ICPMS05									

Client Sample ID: HA34-1.5
Lab Sample ID: 570-1583-31
Date Collected: 07/10/19 10:04
Matrix: Solid
Date Received: 07/11/19 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.91 g	100 mL	11478	08/10/19 08:00	JG	ECL 1
Total/NA	Analysis	6020		100			12005	08/13/19 00:38	UFLE	ECL 1
	Instrument ID: ICPMS05									

Laboratory References:

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

Accreditation/Certification Summary

Client: EFI Global, Inc. Job ID: 570-1583-2
Project/Site: WH TAFT HS

Laboratory: Eurofins Calscience LLC

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Arizona	State Program	9	AZ0781	03-13-20
California	SCAQMD LAP	9	N/A	11-30-19
California	State Program	9	2944	09-30-19
Guam	State Program	9	19-004R	10-31-19
Hawaii	State Program	9	N/A	01-29-20
Oregon	NELAP Primary AB	10	CA300001	01-20-20
Washington	State Program	10	C916	10-11-19

Method Summary

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-2

Method	Method Description	Protocol	Laboratory
6020	Metals (ICP/MS)	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1

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

Sample Summary

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-1583-8	HA26-1.5	Solid	07/10/19 09:04	07/11/19 19:50	
570-1583-18	HA30-1.5	Solid	07/10/19 11:48	07/11/19 19:50	
570-1583-31	HA34-1.5	Solid	07/10/19 10:04	07/11/19 19:50	

Hoaibao Nguyen

From: Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>
Sent: Tuesday, August 06, 2019 12:05 PM
To: Hoaibao Nguyen; Stephen Nowak
Cc: Hodges, Christine; Simantob, Shayan
Subject: RE: Eurofins Calscience invoice, EDD and report files from 570-1583-1 WH TAFT HS

EXTERNAL EMAIL*

Tina,

Please run the following samples for arsenic by EPA Method 6020A on a 5-day TAT:

- HA1-1.5
- HA26-1.5
- HA30-1.5
- HA34-1.5

Thank you!

Sincerely,
Desi Salgado | Project Manager
EFI Global, Inc.
Los Angeles, CA
DIRECT 310.854.6300 | FAX 310.854.0199
CELL 310.409.9980| EMAIL Desi.Salgado@efiglobal.com
CSLB License #: 885902
www.efiglobal.com | Caring counts®

From: Hoaibao Nguyen [mailto:noreply@eurofinslimsservices.com]
Sent: Wednesday, July 31, 2019 10:36 AM
To: Hodges, Christine <Christine.Hodges@EFIGlobal.com>; Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>; Simantob, Shayan <Shayan.Simantob@EFIGLOBAL.com>
Subject: Eurofins Calscience invoice, EDD and report files from 570-1583-1 WH TAFT HS

Hello,

Attached please find the invoice, EDD and report files for job 570-1583-1; WH TAFT HS

Please feel free to contact me or your PM Stephen Nowak if you have any questions.

Thank you.

Hoaibao Nguyen
Project Manager

Eurofins Calscience LLC

E-mail: hoaibaonguyen@eurofinsus.com
www.EurofinsUS.com

Reference: [570-005339]
Attachments: 3

Notify us here to report this email as spam.

* WARNING - EXTERNAL: This email originated from outside of Eurofins. Do not click any links or open any attachments unless you trust the sender and know that the content is safe!

1 2 3 4 5 6 7 8 9 10 11 12 13 14

EFI Global
Engineering, Fire & Environmental Services

570-1583 Chain of Custody

al, an EFI Global Company
way, Los Angeles CA 90045
354-0199 www.AndersenEnviro.com

1583

Chain-of-Custody Record

1/3 ~~AE_EFI_01~~

Analytical Laboratory:	Eurofins Calscience
Project Number:	045.00349
Project Address:	5461 Winnetka Ave, Woodland Hills, CA 91364
Project Manager:	Shayan Simantob
Sampled by:	P. Serrah
Phone:	(310) 920-1230
Email:	shayan.simantob@efiglobal.com
Geotracker Global ID:	WH Taft HS

Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	Preservative: HNO3	Preservative: NaHSO4	Preservative: HCl	Sampling Information: Date	Sampling Information: Time	Method: VOCs (8260B, 5035)	Method: Lead (6010B)	Method: Arsenic (6020)	Method: SVOCs (8270C)	Method: TPHg + EPH (8015)	Method: PCBs (8082)	Method: OCPs (8081A)	Method: Composite	Method: Hold	Container: 4- or 8-ounce Glass	Container: Plastic Bag	Container: VOAs (by EPA 5035)	Turnaround Time: Normal / Standard (7 DAY)	Turnaround Time: 72 Hour	Turnaround Time: 48 Hours	Turnaround Time: 24 Hours
1	HA24 - 0.5		X			X							7/10/19	1402	X	X	X	X	X	X	X			X		X	X			
2	HA24 - 1.5													1404									X							
3	HA24 - 3													1406							X (Pb)		X							
4	HA25 - 0.5													0832	X	X	X	X	X		X					X				
5	HA25 - 1.5													0834									X							
6	HA25 - 3													0836									X							
7	HA26 - 0.5													0902	X	X	X	X	X		X					X				
8	HA26 - 1.5													0904									X							
9	HA26 - 3													0906									X							
10	HA28 - 0.5													1100	X	X	X	X	X		X					X				
11	HA28 - 1.5													1102									X							
12	HA28 - 3													1104									X							
13	HA28 - 0.5 DUP													1100	X	X	X	X	X		X					X				
14	~~HA28 - 1.5 DUP~~ HA29 - 0.5													1120	X	X	X	X	X		X					X				
15	~~HA28 - 3 DUP~~ HA29 - 1.5 (Pb)													1122									X							
16	HA29 - 3													1124									X							
17	HA30 - 0.5													1146	X	X	X	X	X		X					X				
18	HA30 - 1.5													1148									X							
19	HA30 - 3													1150									X							
20	HA31 - 2.5													1032	X	X	X	X	X		X					X				

Relinquished by	Date	Time	Received by	Date	Time	Remarks
[signature] 7/11/19	~~7/10/19~~ 7/11/19 AM	~~[illegible]~~ 1440 AM	[signature] EC	7/11/19	1440	Sample condition (circle): Chilled Intact
[signature]	7/11/19	1950	[signature] ECC	7/11/19	1950	Excavation Area:

2.1 + 0.2 2 3

EFI Global

Engineering, Fire & Environmental Services

Andersen Environmental, an EFI Global Company
5261 West Imperial Highway, Los Angeles CA 90045
Tel: (310) 854-6300 Fax: (310) 854-0199 www.AndersenEnviro.com

Chain-of-Custody Record

~~AE_EFI_01~~ 2/3

Analytical Laboratory:	Eurofins Calscience	Geotracker Global ID:	
Project Number:	045-00349	Woh Tech HS	
Project Address:	5461 Winnetka Ave, Woodland Hills, CA 91364		
Project Manager:			
Sampled by:	see page 1		
Phone:			
Email:			

Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	Preservative: HNO3	Preservative: NaHSO4	Preservative: HCl	Sampling Information: Date	Sampling Information: Time	Method: VOCs (8260B, 5035)	Method: Lead (6010B)	Method: Arsenic (6020)	Method: SVOCs (8270C)	Method: TPHg + ERO H (8015)	Method: PCBs (8082)	Method: OCPs (8081A)	Composite	Hold	Container: 4- or 8-ounce Glass	Container: Plastic Bag	Container: VOAs (by EPA 5035)	Turnaround Time: Normal / Standard (7 DAYS)	Turnaround Time: 72 Hour	Turnaround Time: 48 Hours	Turnaround Time: 24 Hours
1	HA31-1.5		X			X							7/10/19	1034									X	X			X			
2	HA31-3													1036									X							
3	HA32-0.5													1222	X	X	X	X	X		X					X				
4	HA32-1.5													1224									X							
5	HA32-3													1226									X							
6	HA33-0.5													1247	X	X	X	X	X		X					X				
7	HA33-1.5													1249									X							
8	HA33-3													1251									X							
9	HA33-0.5 DUP													1247	X	X	X	X	X		X					X				
10	HA34-0.5													1002	X	X	X	X	X		X					X				
11	HA34-1.5													1004									X							
12	HA34-3													1006									X							
13	HA35-0.5													0932	X	X	X	X	X	X	X					X				
14	HA35-1.5													0934									X							
15	HA35-3													0936									X							
16	HA36-0.5													1312	X	X	X	X	X	X	X					X				
17	HA36-1.5													1314									X							
18	HA36-3													1316									X							
19	HA37-0.5													1342	X	X	X	X	X		X					X				
20	HA37-1.5													1344									X							

Relinquished by	Date	Time	Received by	Date	Time	Remarks
[signature]	~~7/11/19~~ 7/11/19 AM	1440 AM	[signature] PC	7/11/19	1440	Sample condition (circle): Chilled Intact
[signature]	7/11/19	1951	[signature] EC	7/11/19	1951	Excavation Area:

2.0 +0.2 2.2

EFI Global

Engineering, Fire & Environmental Services

Andersen Environmental, an EFI Global Company
5261 West Imperial Highway, Los Angeles CA 90045
Tel: (310) 854-6300 Fax: (310) 854-0199 www.AndersenEnviro.com

Chain-of-Custody Record

~~AE_EFI_04~~ 3/3

Analytical Laboratory:	Eurofins Calscience	Geotracker Global ID:	
Project Number:	045.00349	WH TAFT HS	
Project Address:	5461 Winnetka Ave, Woodland Hills, CA 91364		
Project Manager:			
Sampled by:	see page 1		
Phone:			
Email:			

Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	Preservative: HNO3	Preservative: NaHSO4	Preservative: HCl	Sampling Information: Date	Sampling Information: Time	Method: VOCs (8260B, 5035)	Method: Lead (6010B)	Method: Arsenic (6020)	Method: SVOCs (8270C)	Method: TPHg + EFH (8015)	Method: PCBs (8082)	Method: OCPs (8081A)	Method	Method	Method	Composite	Hold	Container: 4- or 8-ounce Glass	Container: Plastic Bag	Container: VOAs (by EPA 5035)	Container: various	Container: VOAs (Lucc)	Turnaround Time: Normal / Standard (7 DAY)	Turnaround Time: 72 Hour	Turnaround Time: 48 Hours	Turnaround Time: 24 Hours
1	HA37-3		X			X							7/10/19	1346												X	X					X			
2	EB3				X								↓	1600	X	X	X	X	X	X	X									X		↓			
3	TB3							X					↓													X					X	↓			
4																																			
5																																			
6																																			
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19																																			
20																																			

Relinquished by	Date	Time	Received by	Date	Time	Remarks
[signature]	7/11/19 AM ~~7/10/19~~	1440 AM ~~2300~~	[signature]	7/11/19	1440	Sample condition (circle): Chilled Intact
[signature]	7/11/19	1950	[signature]	7/11/19	1950	Excavation Area:

2.1+02 2.3

Login Sample Receipt Checklist

Client: EFI Global, Inc. | Job Number: 570-1583-2

Login Number: 1583 | **List Source: Eurofins Calscience**
List Number: 1
Creator: Castro, Joy

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	IDs on containers do not match the COC. Logged in per COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Calscience

ANALYTICAL REPORT

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

Laboratory Job ID: 570-1583-3
Client Project/Site: WH TAFT HS
Revision: 1

For:
EFI Global, Inc.
5261 West Imperial Highway
Los Angeles, California 90045

Attn: Desi Salgado

Authorized for release by:
8/22/2019 3:01:03 PM
Hoaibao Nguyen, Project Mgmt. Assistant
hoaibaonguyen@eurofinsus.com

Designee for

Stephen Nowak, Project Manager I
(714)895-5494
stephennowak@eurofinsus.com

Table of Contents

Definitions/Glossary

Client: EFI Global, Inc. Job ID: 570-1583-3
Project/Site: WH TAFT HS

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)

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Job ID: 570-1583-3

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-1583-3

Comments
No additional comments.

Receipt
The samples were received on 7/11/2019 7:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.2º C, 2.3º C and 2.3º C.

Receipt Exceptions

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): HA25-1.5 (570-1583-5) and HA25-3 (570-1583-6). The container labels list 8:32 while the COC lists 8:34; and 8:34 while the COC lists 8:36.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): HA28-0.5 DUP (570-1583-13). The container labels on the Terracores are labeled as HA28-0.5, while the COC reads HA28-0.5 DUP

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

Detection Summary

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-3

Client Sample ID: HA26-3

Lab Sample ID: 570-1583-9

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	19.2		0.980		mg/Kg	20		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Method: 6020 - Metals (ICP/MS)

Client Sample ID: HA26-3 **Lab Sample ID: 570-1583-9**
Date Collected: 07/10/19 09:06 **Matrix: Solid**
Date Received: 07/11/19 19:50

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	19.2		0.980		mg/Kg		08/14/19 11:34	08/16/19 21:18	20

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-3

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 570-12378/1-A ^20
Matrix: Solid
Analysis Batch: 13339

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12378

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.01		mg/Kg		08/14/19 11:34	08/16/19 20:00	20

Lab Sample ID: LCS 570-12378/2-A ^20
Matrix: Solid
Analysis Batch: 13339

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12378

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			24.6	25.34		mg/Kg		103	80 - 120		

Lab Sample ID: LCSD 570-12378/3-A ^20
Matrix: Solid
Analysis Batch: 13339

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 12378

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic			25.3	25.97		mg/Kg		103	80 - 120	2	20

Lab Sample ID: 570-4332-A-1-J MS ^20
Matrix: Solid
Analysis Batch: 13339

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 12378

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic	2.87		25.6	25.24		mg/Kg		87	72 - 132		

Lab Sample ID: 570-4332-A-1-K MSD ^20
Matrix: Solid
Analysis Batch: 13339

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 12378

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	2.87		24.2	23.22		mg/Kg		84	72 - 132	8	13

QC Association Summary

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-3

Metals

Prep Batch: 12378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-9	HA26-3	Total/NA	Solid	3050B	
MB 570-12378/1-A ^20	Method Blank	Total/NA	Solid	3050B	
LCS 570-12378/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-12378/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-4332-A-1-J MS ^20	Matrix Spike	Total/NA	Solid	3050B	
570-4332-A-1-K MSD ^20	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 13339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-1583-9	HA26-3	Total/NA	Solid	6020	12378
MB 570-12378/1-A ^20	Method Blank	Total/NA	Solid	6020	12378
LCS 570-12378/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	12378
LCSD 570-12378/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	6020	12378
570-4332-A-1-J MS ^20	Matrix Spike	Total/NA	Solid	6020	12378
570-4332-A-1-K MSD ^20	Matrix Spike Duplicate	Total/NA	Solid	6020	12378

Lab Chronicle

Client: EFI Global, Inc.
Job ID: 570-1583-3
Project/Site: WH TAFT HS

Client Sample ID: HA26-3
Lab Sample ID: 570-1583-9

Date Collected: 07/10/19 09:06
Matrix: Solid
Date Received: 07/11/19 19:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.04 g	100 mL	12378	08/14/19 11:34	MD3A	ECL 1
Total/NA	Analysis	6020		20			13339	08/16/19 21:18	UFLE	ECL 1
	Instrument ID: ICPMS05									

Laboratory References:

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

Accreditation/Certification Summary

Client: EFI Global, Inc.
Job ID: 570-1583-3
Project/Site: WH TAFT HS

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 Program	AZ0781	03-13-20
California	SCAQMD LAP	N/A	11-30-19
California	State Program	2944	09-30-19
Guam	State Program	19-004R	10-31-19
Hawaii	State Program	N/A	01-29-20
Oregon	NELAP Primary AB	CA300001	01-20-20
Washington	State Program	C916	10-11-19

Method Summary

Method	Method Description	Protocol	Laboratory
6020	Metals (ICP/MS)	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1

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

Sample Summary

Client: EFI Global, Inc.
Project/Site: WH TAFT HS

Job ID: 570-1583-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-1583-9	HA26-3	Solid	07/10/19 09:06	07/11/19 19:50	

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Hoaibao Nguyen

From: Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>
Sent: Thursday, August 15, 2019 9:34 AM
To: Hoaibao Nguyen; Hodges, Christine
Subject: RE: Eurofins Calscience invoice, EDD and report files from 570-1583-2 WH TAFT HS

EXTERNAL EMAIL*

Tina,

Thank you for submitting this. Please analyze sample HA26-3 for arsenic by 6020. Thank you.

Sincerely,

Desi Salgado | Project Manager
EFI Global, Inc.
Los Angeles, CA
DIRECT 310.854.6300 | FAX 310.854.0199
CELL 310.409.9980| EMAIL Desi.Salgado@efiglobal.com
CSLB License #: 885902
www.efiglobal.com | Caring counts®

From: Hoaibao Nguyen [mailto:noreply@eurofinslimsservices.com]
Sent: Thursday, August 15, 2019 8:46 AM
To: Hodges, Christine <Christine.Hodges@EFIGlobal.com>; Salgado, Desi <Desi.Salgado@EFIGLOBAL.com>
Subject: Eurofins Calscience invoice, EDD and report files from 570-1583-2 WH TAFT HS

Hello,

Attached please find the invoice, EDD and report files for job 570-1583-2; WH TAFT HS

Please feel free to contact me or your PM Stephen Nowak if you have any questions.

Thank you.

Hoaibao Nguyen
Project Manager

Eurofins Calscience LLC

E-mail: hoaibaonguyen@eurofinsus.com
www.EurofinsUS.com

Reference: [570-010599]
Attachments: 3

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EFI Global
Engineering, Fire & Environmental Services

570-1583 Chain of Custody

al, an EFI Global Company
way, Los Angeles CA 90045
354-0199 www.AndersenEnviro.com

1583

Chain-of-Custody Record

~~AE_EFI_01~~ 1/3

Analytical Laboratory:	Eurofins Calscience	Geotracker Global ID:	
Project Number:	045.00349	WH Taft HS	
Project Address:	5461 Winnetka Ave, Woodland Hills, CA 91364		
Project Manager:	Shayan Simantob		
Sampled by:	P. Smith		
Phone:	(310) 920-1230		
Email:	shayan.simantob@efiglobal.com		

Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	Preservative: HNO3	Preservative: NaHSO4	Preservative: HCl	Sampling Information: Date	Sampling Information: Time	Method: VOCs (8260B, 5035)	Method: Lead (6010B)	Method: Arsenic (6020)	Method: SVOCs (8270C)	Method: TPH g + ERPH (8015)	Method: PCBs (8082)	Method: OCPs (8081A)	Composite	Hold	Container: 4- or 8-ounce Glass	Container: Plastic Bag	Container: VOAs (by EPA 5035)	Turnaround Time: Normal / Standard (7 DAY)	72 Hour	48 Hours	24 Hours
1	HA24-0.5		X			X							7/10/19	1402	X	X	X	X	X	X	X			X		X	X			
2	HA24-1.5													1404									X							
3	HA24-3													1406							X Pb		X							
4	HA25-0.5													0832	X	X	X	X	X		X					X				
5	HA25-1.5													0834									X							
6	HA25-3													0836									X							
7	HA26-0.5													0902	X	X	X	X	X		X					X				
8	HA26-1.5													0904									X							
9	HA26-3													0906									X							
10	HA28-0.5													1100	X	X	X	X	X		X					X				
11	HA28-1.5													1102									X							
12	HA28-3													1104									X							
13	HA28-0.5 DUP													1100	X	X	X	X	X		X					X				
14	HA29-0.5 ~~HA28-1.5 DUP~~													1120	X	X	X	X	X		X					X				
15	HA29-1.5 ~~HA28-3 DUP~~ Pb													1122									X							
16	HA29-3													1124									X							
17	HA30-0.5													1146	X	X	X	X	X		X					X				
18	HA30-1.5													1148									X							
19	HA30-3													1150									X							
20	HA31-2.5													1032	X	X	X	X	X		X					X				

Relinquished by	Date	Time	Received by	Date	Time	Remarks
[signature] 7/11/19	~~7/10/19~~ AM	1440 ~~[illegible]~~ AM	[signature] EC	7/11/19	1440	Sample condition (circle): Chilled Intact
[signature]	7/11/19	1950	[signature] cc	7/11/19	1950	Excavation Area:

2.1+0.2 2.3

EFI Global

Engineering, Fire & Environmental Services

Andersen Environmental, an EFI Global Company
5261 West Imperial Highway, Los Angeles CA 90045
Tel: (310) 854-6300 Fax: (310) 854-0199 www.AndersenEnviro.com

Chain-of-Custody Record

~~AE_EFI_01~~ 2/3

Analytical Laboratory:	Eurofins Calscience	Geotracker Global ID:	
Project Number:	045.00349	LAH Test HS	
Project Address:	5461 Winnetka Ave, Woodland Hills, CA 91364		
Project Manager:			
Sampled by:	see page 1		
Phone:			
Email:			

Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	HNO3	NaHSO4	HCl	Sampling Information: Date	Time	Method: VOCs (8260B, 5035)	Lead (6010B)	Arsenic (6020)	SVOCs (8270C)	TPHg + ERPH (8015)	PCBs (8082)	OCPs (8081A)	Composite	Hold	Container: 4- or 8-ounce Glass	Plastic Bag	VOAs (by EPA 5035)	Turnaround Time: Normal / Standard (7 DAYS)	72 Hour	48 Hours	24 Hours
1	HA31-1.5		X			X							7/10/19	1034									X	X			X			
2	HA31-3													1036									X							
3	HA32-0.5													1222	X	X	X	X	X		X					X				
4	HA32-1.5													1224									X							
5	HA32-3													1226									X							
6	HA33-0.5													1247	X	X	X	X	X		X					X				
7	HA33-1.5													1249									X							
8	HA33-3													1251									X							
9	HA33-0.5 DUP													1247	X	X	X	X	X		X					X				
10	HA34-0.5													1002	X	X	X	X	X		X					X				
11	HA34-1.5													1004									X							
12	HA34-3													1006									X							
13	HA35-0.5													0932	X	X	X	X	X	X	X					X				
14	HA35-1.5													0934									X							
15	HA35-3													0936									X							
16	HA36-0.5													1312	X	X	X	X	X	X	X					X				
17	HA36-1.5													1314									X							
18	HA36-3													1316									X							
19	HA37-0.5													1342	X	X	X	X	X		X					X				
20	HA37-1.5													1344									X							

Relinquished by	Date	Time	Received by	Date	Time	Remarks
[signature]	~~7/11/19~~ 7/11/19	1440 AM	[signature] EC	7/11/19	1440	Sample condition (circle): Chilled Intact
[signature]	7/11/19	1951	[signature] EC	7/11/19	1951	Excavation Area:

2.0 + 0.2 2.2

EFI Global
Engineering, Fire & Environmental Services

Andersen Environmental, an EFI Global Company
5261 West Imperial Highway, Los Angeles CA 90045
Tel: (310) 854-6300 Fax: (310) 854-0199 www.AndersenEnviro.com

Chain-of-Custody Record

~~AE_EFI_01~~ 3 / 3

Analytical Laboratory:	Eurofins Calscience	Geotracker Global ID:	
Project Number:	045.00349	WH TAFT HS	
Project Address:	5461 Winnetka Ave, Woodland Hills, CA 91364		
Project Manager:			
Sampled by:	see page 1		
Phone:			
Email:			

Number	Sample ID	Lab ID	Type: Grab	Type: Composite	Matrix: Water	Matrix: Soil	Matrix: Vapor	Matrix: Other	Preservative: Cold (4° C)	Preservative: HNO3	Preservative: NaHSO4	Preservative: HCl	Sampling Information: Date	Sampling Information: Time	Method: VOCs (8260B, 5035)	Method: Lead (6010B)	Method: Arsenic (6020)	Method: SVOCs (8270C)	Method: TPHg + Extended (8015)	Method: PCBs (8082)	Method: OCPs (8081A)	Method:	Method:	Method:	Composite	Hold	Container: 4- or 8-ounce Glass	Container: Plastic Bag	Container: VOAs (by EPA 5035)	Container: various	Container: VOAs (Liter)	Turnaround Time: Normal / Standard (7 DAY)	Turnaround Time: 72 Hour	Turnaround Time: 48 Hours	Turnaround Time: 24 Hours
1	HA37-3		X			X							7/10/19	1346												X	X					X			
2	EB3				X								↓	1600	X	X	X	X	X	X	X									X		↓			
3	TB3							X					↓													X					X	↓			
4																																			
5																																			
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19																																			
20																																			

Relinquished by	Date	Time	Received by	Date	Time
[signature]	7/11/19 ~~7/10/19~~	1440 AM ~~2300~~	[signature]	7/11/19	1440
[signature]	7/11/19	1950	[signature]	7/11/19	1950

Remarks
Sample condition (circle): Chilled Intact
Excavation Area:

2.1+02 2.3

Login Sample Receipt Checklist

Client: EFI Global, Inc. | Job Number: 570-1583-3

Login Number: 1583
List Number: 1
Creator: Castro, Joy

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	IDs on containers do not match the COC. Logged in per COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Calscience

ANALYTICAL REPORT

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

Laboratory Job ID: 570-9613-1
Client Project/Site: Taft Charter High School

For:
EFI Global, Inc.
5261 West Imperial Highway
Los Angeles, California 90045

Attn: Desi Salgado

Authorized for release by:
10/16/2019 8:43:15 AM

Stephen Nowak, Project Manager I
(714)895-5494
stephennowak@eurofinsus.com

Table of Contents

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)

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Case Narrative

Job ID: 570-9613-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-9613-1

Comments
No additional comments.

Receipt
The samples were received on 10/9/2019 12:38 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.4º C.

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

Detection Summary

Client: EFI Global, Inc. Job ID: 570-9613-1
Project/Site: Taft Charter High School

Client Sample ID: B61-0.5 Lab Sample ID: 570-9613-1

No Detections.

Client Sample ID: B60-0.5 Lab Sample ID: 570-9613-2

No Detections.

Client Sample ID: B53-0.5 Lab Sample ID: 570-9613-3

No Detections.

Client Sample ID: B56-0.5 Lab Sample ID: 570-9613-4

No Detections.

Client Sample ID: B2-0.5 Lab Sample ID: 570-9613-5

No Detections.

Client Sample ID: B5-0.5 Lab Sample ID: 570-9613-6

No Detections.

Client Sample ID: B11-0.5 Lab Sample ID: 570-9613-7

No Detections.

Client Sample ID: B9-0.5 Lab Sample ID: 570-9613-8

No Detections.

Client Sample ID: B43-0.5 Lab Sample ID: 570-9613-9

No Detections.

Client Sample ID: B41-0.5 Lab Sample ID: 570-9613-10

No Detections.

Client Sample ID: B37-0.5 Lab Sample ID: 570-9613-11

No Detections.

This Detection Summary does not include radiochemical test results.

Client: EFI Global, Inc. Job ID: 570-9613-1
Project/Site: Taft Charter High School

Method: 6020 - Metals (ICP/MS)

Client Sample ID: B61-0.5 **Lab Sample ID: 570-9613-1**
Date Collected: 10/09/19 08:00 **Matrix: Solid**
Date Received: 10/09/19 12:38

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		0.995		mg/Kg		10/09/19 18:54	10/14/19 18:09	20

Client Sample ID: B60-0.5 **Lab Sample ID: 570-9613-2**
Date Collected: 10/09/19 08:10 **Matrix: Solid**
Date Received: 10/09/19 12:38

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.00		mg/Kg		10/09/19 18:54	10/14/19 18:29	20

Client Sample ID: B53-0.5 **Lab Sample ID: 570-9613-3**
Date Collected: 10/09/19 08:20 **Matrix: Solid**
Date Received: 10/09/19 12:38

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.00		mg/Kg		10/09/19 18:54	10/14/19 18:31	20

Client Sample ID: B56-0.5 **Lab Sample ID: 570-9613-4**
Date Collected: 10/09/19 08:30 **Matrix: Solid**
Date Received: 10/09/19 12:38

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.00		mg/Kg		10/09/19 18:54	10/14/19 18:34	20

Client Sample ID: B2-0.5 **Lab Sample ID: 570-9613-5**
Date Collected: 10/09/19 08:50 **Matrix: Solid**
Date Received: 10/09/19 12:38

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.00		mg/Kg		10/09/19 18:54	10/14/19 18:37	20

Client Sample ID: B5-0.5 **Lab Sample ID: 570-9613-6**
Date Collected: 10/09/19 09:00 **Matrix: Solid**
Date Received: 10/09/19 12:38

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.00		mg/Kg		10/09/19 18:54	10/14/19 18:40	20

Client Sample ID: B11-0.5 **Lab Sample ID: 570-9613-7**
Date Collected: 10/09/19 09:20 **Matrix: Solid**
Date Received: 10/09/19 12:38

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.00		mg/Kg		10/09/19 18:54	10/14/19 18:42	20

Client Sample ID: B9-0.5 **Lab Sample ID: 570-9613-8**
Date Collected: 10/09/19 09:30 **Matrix: Solid**
Date Received: 10/09/19 12:38

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		0.995		mg/Kg		10/09/19 18:54	10/14/19 18:45	20

Client Sample ID: B43-0.5 **Lab Sample ID: 570-9613-9**
Date Collected: 10/09/19 09:40 **Matrix: Solid**
Date Received: 10/09/19 12:38

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.01		mg/Kg		10/09/19 18:54	10/14/19 18:48	20

Client: EFI Global, Inc.
Project/Site: Taft Charter High School

Job ID: 570-9613-1

Method: 6020 - Metals (ICP/MS)

Client Sample ID: B41-0.5
Date Collected: 10/09/19 09:50
Date Received: 10/09/19 12:38

Lab Sample ID: 570-9613-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.00		mg/Kg		10/09/19 18:54	10/14/19 18:51	20

Client Sample ID: B37-0.5
Date Collected: 10/09/19 10:00
Date Received: 10/09/19 12:38

Lab Sample ID: 570-9613-11
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.00		mg/Kg		10/09/19 18:54	10/14/19 18:53	20

Client: EFI Global, Inc.
Project/Site: Taft Charter High School

Job ID: 570-9613-1

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 570-24922/1-A ^20
Matrix: Solid
Analysis Batch: 25976

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24922

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		1.02		mg/Kg		10/09/19 18:54	10/14/19 17:58	20

Lab Sample ID: LCS 570-24922/2-A ^20
Matrix: Solid
Analysis Batch: 25976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24922

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Thallium			24.8	24.18		mg/Kg		98	80 - 120		

Lab Sample ID: LCSD 570-24922/3-A ^20
Matrix: Solid
Analysis Batch: 25976

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 24922

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thallium			24.5	24.35		mg/Kg		99	80 - 120	1	20

Lab Sample ID: 570-9613-1 MS
Matrix: Solid
Analysis Batch: 25976

Client Sample ID: B61-0.5
Prep Type: Total/NA
Prep Batch: 24922

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Thallium	ND		25.0	24.83		mg/Kg		98	79 - 115		

Lab Sample ID: 570-9613-1 MSD
Matrix: Solid
Analysis Batch: 25976

Client Sample ID: B61-0.5
Prep Type: Total/NA
Prep Batch: 24922

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thallium	ND		25.0	25.21		mg/Kg		100	79 - 115	2	11

Metals

Prep Batch: 24922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9613-1	B61-0.5	Total/NA	Solid	3050B	
570-9613-2	B60-0.5	Total/NA	Solid	3050B	
570-9613-3	B53-0.5	Total/NA	Solid	3050B	
570-9613-4	B56-0.5	Total/NA	Solid	3050B	
570-9613-5	B2-0.5	Total/NA	Solid	3050B	
570-9613-6	B5-0.5	Total/NA	Solid	3050B	
570-9613-7	B11-0.5	Total/NA	Solid	3050B	
570-9613-8	B9-0.5	Total/NA	Solid	3050B	
570-9613-9	B43-0.5	Total/NA	Solid	3050B	
570-9613-10	B41-0.5	Total/NA	Solid	3050B	
570-9613-11	B37-0.5	Total/NA	Solid	3050B	
MB 570-24922/1-A ^20	Method Blank	Total/NA	Solid	3050B	
LCS 570-24922/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-24922/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-9613-1 MS	B61-0.5	Total/NA	Solid	3050B	
570-9613-1 MSD	B61-0.5	Total/NA	Solid	3050B	

Analysis Batch: 25976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9613-1	B61-0.5	Total/NA	Solid	6020	24922
570-9613-2	B60-0.5	Total/NA	Solid	6020	24922
570-9613-3	B53-0.5	Total/NA	Solid	6020	24922
570-9613-4	B56-0.5	Total/NA	Solid	6020	24922
570-9613-5	B2-0.5	Total/NA	Solid	6020	24922
570-9613-6	B5-0.5	Total/NA	Solid	6020	24922
570-9613-7	B11-0.5	Total/NA	Solid	6020	24922
570-9613-8	B9-0.5	Total/NA	Solid	6020	24922
570-9613-9	B43-0.5	Total/NA	Solid	6020	24922
570-9613-10	B41-0.5	Total/NA	Solid	6020	24922
570-9613-11	B37-0.5	Total/NA	Solid	6020	24922
MB 570-24922/1-A ^20	Method Blank	Total/NA	Solid	6020	24922
LCS 570-24922/2-A ^20	Lab Control Sample	Total/NA	Solid	6020	24922
LCSD 570-24922/3-A ^20	Lab Control Sample Dup	Total/NA	Solid	6020	24922
570-9613-1 MS	B61-0.5	Total/NA	Solid	6020	24922
570-9613-1 MSD	B61-0.5	Total/NA	Solid	6020	24922

Client Sample ID: B61-0.5
Lab Sample ID: 570-9613-1
Date Collected: 10/09/19 08:00
Matrix: Solid
Date Received: 10/09/19 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	100 mL	24922	10/09/19 18:54	MD3A	ECL 1
Total/NA	Analysis	6020		20			25976	10/14/19 18:09	UFLE	ECL 1
	Instrument ID:	ICPMS05								

Client Sample ID: B60-0.5
Lab Sample ID: 570-9613-2
Date Collected: 10/09/19 08:10
Matrix: Solid
Date Received: 10/09/19 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	100 mL	24922	10/09/19 18:54	MD3A	ECL 1
Total/NA	Analysis	6020		20			25976	10/14/19 18:29	UFLE	ECL 1
	Instrument ID:	ICPMS05								

Client Sample ID: B53-0.5
Lab Sample ID: 570-9613-3
Date Collected: 10/09/19 08:20
Matrix: Solid
Date Received: 10/09/19 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	100 mL	24922	10/09/19 18:54	MD3A	ECL 1
Total/NA	Analysis	6020		20			25976	10/14/19 18:31	UFLE	ECL 1
	Instrument ID:	ICPMS05								

Client Sample ID: B56-0.5
Lab Sample ID: 570-9613-4
Date Collected: 10/09/19 08:30
Matrix: Solid
Date Received: 10/09/19 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	100 mL	24922	10/09/19 18:54	MD3A	ECL 1
Total/NA	Analysis	6020		20			25976	10/14/19 18:34	UFLE	ECL 1
	Instrument ID:	ICPMS05								

Client Sample ID: B2-0.5
Lab Sample ID: 570-9613-5
Date Collected: 10/09/19 08:50
Matrix: Solid
Date Received: 10/09/19 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	100 mL	24922	10/09/19 18:54	MD3A	ECL 1
Total/NA	Analysis	6020		20			25976	10/14/19 18:37	UFLE	ECL 1
	Instrument ID:	ICPMS05								

Client Sample ID: B5-0.5
Lab Sample ID: 570-9613-6
Date Collected: 10/09/19 09:00
Matrix: Solid
Date Received: 10/09/19 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	100 mL	24922	10/09/19 18:54	MD3A	ECL 1
Total/NA	Analysis	6020		20			25976	10/14/19 18:40	UFLE	ECL 1
	Instrument ID:	ICPMS05								

Client Sample ID: B11-0.5
Lab Sample ID: 570-9613-7
Date Collected: 10/09/19 09:20
Matrix: Solid
Date Received: 10/09/19 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	100 mL	24922	10/09/19 18:54	MD3A	ECL 1
Total/NA	Analysis	6020		20			25976	10/14/19 18:42	UFLE	ECL 1
	Instrument ID:	ICPMS05								

Client Sample ID: B9-0.5
Lab Sample ID: 570-9613-8
Date Collected: 10/09/19 09:30
Matrix: Solid
Date Received: 10/09/19 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	100 mL	24922	10/09/19 18:54	MD3A	ECL 1
Total/NA	Analysis	6020		20			25976	10/14/19 18:45	UFLE	ECL 1
	Instrument ID:	ICPMS05								

Client Sample ID: B43-0.5
Lab Sample ID: 570-9613-9
Date Collected: 10/09/19 09:40
Matrix: Solid
Date Received: 10/09/19 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.99 g	100 mL	24922	10/09/19 18:54	MD3A	ECL 1
Total/NA	Analysis	6020		20			25976	10/14/19 18:48	UFLE	ECL 1
	Instrument ID:	ICPMS05								

Client Sample ID: B41-0.5
Lab Sample ID: 570-9613-10
Date Collected: 10/09/19 09:50
Matrix: Solid
Date Received: 10/09/19 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	100 mL	24922	10/09/19 18:54	MD3A	ECL 1
Total/NA	Analysis	6020		20			25976	10/14/19 18:51	UFLE	ECL 1
	Instrument ID:	ICPMS05								

Lab Chronicle

Client: EFI Global, Inc. Job ID: 570-9613-1
Project/Site: Taft Charter High School

Client Sample ID: B37-0.5 Lab Sample ID: 570-9613-11

Date Collected: 10/09/19 10:00 **Matrix: Solid**
Date Received: 10/09/19 12:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.00 g	100 mL	24922	10/09/19 18:54	MD3A	ECL 1
Total/NA	Analysis	6020		20			25976	10/14/19 18:53	UFLE	ECL 1
	Instrument ID: ICPMS05									

Laboratory References:

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

Accreditation/Certification Summary

Client: EFI Global, Inc. Job ID: 570-9613-1
Project/Site: Taft Charter High School

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	SCAQMD LAP	17LA0919	11-30-19
California	State	2944	09-29-20
Guam	State	19-004R	10-31-19
Hawaii	State	<cert No.>	07-02-20
Nevada	State	CA00111	07-31-20
Oregon	NELAP	CA300001	01-29-20

Method Summary

Method	Method Description	Protocol	Laboratory
6020	Metals (ICP/MS)	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1

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

Sample Summary

Client: EFI Global, Inc. Job ID: 570-9613-1
Project/Site: Taft Charter High School

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-9613-1	B61-0.5	Solid	10/09/19 08:00	10/09/19 12:38	
570-9613-2	B60-0.5	Solid	10/09/19 08:10	10/09/19 12:38	
570-9613-3	B53-0.5	Solid	10/09/19 08:20	10/09/19 12:38	
570-9613-4	B56-0.5	Solid	10/09/19 08:30	10/09/19 12:38	
570-9613-5	B2-0.5	Solid	10/09/19 08:50	10/09/19 12:38	
570-9613-6	B5-0.5	Solid	10/09/19 09:00	10/09/19 12:38	
570-9613-7	B11-0.5	Solid	10/09/19 09:20	10/09/19 12:38	
570-9613-8	B9-0.5	Solid	10/09/19 09:30	10/09/19 12:38	
570-9613-9	B43-0.5	Solid	10/09/19 09:40	10/09/19 12:38	
570-9613-10	B41-0.5	Solid	10/09/19 09:50	10/09/19 12:38	
570-9613-11	B37-0.5	Solid	10/09/19 10:00	10/09/19 12:38	

eurofins | Calscience

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For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

570-9613 Chain of Custody

9613

CHAIN-OF-CUSTODY RECORD

Date 10/9/19

Page 1 of 2

LABORATORY CLIENT: EFI Global

ADDRESS: 5261 W Imperial Hwy

CITY: Los Angeles STATE: CA ZIP: 90045

TEL: 310-854-6300 E-MAIL: desi.salgado@efiglobal.com

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☒ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NO.: Taft Charter High School

P.O. NO.: 045.00349

PROJECT CONTACT: Desi Salgado

LAB CONTACT OR QUOTE NO: Nowak

GLOBAL ID:

LOG CODE:

SAMPLER(S): (PRINT) Stevie Stevenson

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	thallium (6020)			
1	B61-0.5	10/9/19	8:00	S	1	X																	X			
2	B60-0.5	10/9/19	8:10			X																	X			
3	B53-0.5	10/9/19	8:20			X																	X			
4	B56-0.5	10/9/19	8:30			X																	X			
5	B2-0.5	10/9/19	8:50			X																	X			
6	B5-0.5	10/9/19	9:00			X																	X			
7	B11-0.5	10/9/19	9:20			X																	X			
8	B9-0.5	10/9/19	9:30			X																	X			
9	B43-0.5	10/9/19	9:40			X																	X			
10	B41-0.5	10/9/19	9:50			X																	X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 10/9/19	Time: 10:05
Relinquished by: (Signature)	Received by: (Signature/Affiliation) EG	Date: 10/9/19	Time: 1238
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2016-04-01-Revision

3.9/4.4 SG

1 2 3 4 5 6 7 8 9 10 11 12 13 14

9613

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CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY

Date 10/9/19
Page 2 of 2

LABORATORY CLIENT:	EFI Global
ADDRESS:	5261 W Imperial Hwy
CITY:	Los Angeles
STATE:	CA
ZIP:	90045
TEL:	310-854-6300
E-MAIL:	desi.salgado@efiglobal.com
CLIENT PROJECT NAME / NO.:	Taft Charter High School
P.O. NO.:	045.00349
PROJECT CONTACT:	Desi Salgado
LAB CONTACT OR QUOTE NO:	Nowak
GLOBAL ID:	
LOG CODE:	
SAMPLER(S): (PRINT)	Stevie Stevenson

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☒ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

EDD
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES
Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ___	BTEX / MTBE ☐ 8260 ☐ ___	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Thallium (6020)			
11	B37-0.5	10/9/19	1000	S	1	X																	X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	[signature]	10/9/19	10:05
[signature]	[signature]	10/9/19	12:38

2016-04-01-Revision

Login Sample Receipt Checklist

Client: EFI Global, Inc. Job Number: 570-9613-1

Login Number: 9613 **List Source: Eurofins Calscience**
List Number: 1
Creator: Soriano, Precy

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

APPENDIX C

INVESTIGATIVE-DERIVED WASTE MANIFEST

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: Not Required

2. Page 1 of: 1

3. Emergency Response Phone: 888-423-6060

4. Waste Tracking Number: 0920191035

5. Generator's Name and Mailing Address
Los Angeles Unified School District
333 South Beaudry Ave., Suite 28th Floor
Los Angeles CA 90017

Generator's Site Address (if different than mailing address)
William Howard Taft Charter High School
5461 Winnetka Ave.
Woodland Hills CA 91364

Generator's Phone: 213 241-1000

6. Transporter 1 Company Name: American Integrated Services, Inc.
U.S. EPA ID Number: CAR000148338

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Crosby & Overton, Inc.
1630 W. 17th Street
Long Beach CA 90813
Facility's Phone: 562 432-5445
U.S. EPA ID Number: CAD028409019

9. Waste Shipping Name and Description	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Hazardous Waste Solid (Soil)	1	DM	200	P
2. Non-Hazardous Waste Liquid (Decon Water)	1	DM	25	G
3.				
4.				

13. Special Handling Instructions and Additional Information
Wear proper PPE while handling. Weight and volumes are approximate.
Profile No. 9b1.) 110592 9b2.) 27578 Project No. 39030-8-4

D177352

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Desi Salgado (on behalf of LAUSD OEHS)
Signature:
Month Day Year: 9 17 19

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Ben Burgos
Signature:
Month Day Year: 9 18 19
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year:

#141, #135

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Adriana Mor[illegible]
Signature:
Month Day Year: 9 18 19

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

TRANSPORTER #1

169-BLC-O 5 11977 (Rev. 9/09)

APPENDIX D

PROUCL RESULTS

UCL Statistics for Uncensored Full Data Sets

User Selected Options	
Date/Time of Computation	ProUCL 5.19/10/2019 11:15:49 AM
From File	WorkSheet.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

C0

General Statistics

Total Number of Observations	181	Number of Distinct Observations	155
		Number of Missing Observations	0
Minimum	0.995	Mean	8.452
Maximum	36.2	Median	7.13
SD	5.403	Std. Error of Mean	0.402
Coefficient of Variation	0.639	Skewness	2.12

Normal GOF Test

Shapiro Wilk Test Statistic	0.822	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.17	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0663	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	9.116	95% Adjusted-CLT UCL (Chen-1995)	9.181
		95% Modified-t UCL (Johnson-1978)	9.127

Gamma GOF Test

A-D Test Statistic	1.892	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.76	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.0913	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.069	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	3.063	k star (bias corrected MLE)	3.016
Theta hat (MLE)	2.759	Theta star (bias corrected MLE)	2.802
nu hat (MLE)	1109	nu star (bias corrected)	1092
MLE Mean (bias corrected)	8.452	MLE Sd (bias corrected)	4.867
		Approximate Chi Square Value (0.05)	1016
Adjusted Level of Significance	0.0487	Adjusted Chi Square Value	1016

Assuming Gamma Distribution

95% Approximate Gamma UCL (use when n>=50))	9.082	95% Adjusted Gamma UCL (use when n<50)	9.087

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.96	**Shapiro Wilk Lognormal GOF Test**

	A–E	F	G–K	L
53	5% Shapiro Wilk P Value	5.4043E-4	Data Not Lognormal at 5% Significance Level	
54	Lilliefors Test Statistic	0.0786	**Lilliefors Lognormal GOF Test**	
55	5% Lilliefors Critical Value	0.0663	Data Not Lognormal at 5% Significance Level	
56	**Data Not Lognormal at 5% Significance Level**			
57				
58	**Lognormal Statistics**			
59	Minimum of Logged Data	-0.00501	Mean of logged Data	1.962
60	Maximum of Logged Data	3.589	SD of logged Data	0.603
61				
62	**Assuming Lognormal Distribution**			
63	95% H-UCL	9.284	90% Chebyshev (MVUE) UCL	9.766
64	95% Chebyshev (MVUE) UCL	10.33	97.5% Chebyshev (MVUE) UCL	11.11
65	99% Chebyshev (MVUE) UCL	12.64		
66				
67	**Nonparametric Distribution Free UCL Statistics**			
68	**Data do not follow a Discernible Distribution (0.05)**			
69				
70	**Nonparametric Distribution Free UCLs**			
71	95% CLT UCL	9.113	95% Jackknife UCL	9.116
72	95% Standard Bootstrap UCL	9.103	95% Bootstrap-t UCL	9.223
73	95% Hall's Bootstrap UCL	9.197	95% Percentile Bootstrap UCL	9.134
74	95% BCA Bootstrap UCL	9.164		
75	90% Chebyshev(Mean, Sd) UCL	9.657	95% Chebyshev(Mean, Sd) UCL	10.2
76	97.5% Chebyshev(Mean, Sd) UCL	10.96	99% Chebyshev(Mean, Sd) UCL	12.45
77				
78	**Suggested UCL to Use**			
79	95% Chebyshev (Mean, Sd) UCL	10.2		
80				
81	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
82	Recommendations are based upon data size, data distribution, and skewness.			
83	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).			
84	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.			
85				