CRETE Consulting Incorporated
108 S. Washington St., Suite 300
Seattle, WA 98104

March 6, 2020

Jessica Burgess
Bridge Development Partners, LLC
10655 NE 4th Street, Suite 210
Bellevue, WA 98004

**RE: Phase 2 ESA at 6901 Fox Avenue S (Tax Parcel 0001800113)**

Dear Ms. Burgess,

This letter summarizes the results of a Phase 2 Environmental Site Assessment (Phase 2) performed by CRETE Consulting Incorporated (CRETE) for Bridge Development Partners, LLC (Bridge). This Phase 2 is for Parcel Number 000180-0113 located at 6901 Fox Ave South, Washington and is referenced in this document as the 'subject property' (Figure 1).

## Subject Property Overview

The subject property covers 5.4-acres and is located in the Georgetown neighborhood of Seattle. The property is located in the Duwamish River Valley and is adjacent to the Duwamish River.

Documents reviewed for the Phase 1 ESA[1] indicate that ship building activities likely occurred between 1917 and 1966. The property was then leased and used until the mid-1970's by Emerson GM Diesel, a sheet metal fabrication and generator manufacturing company. Tax records indicate that the existing warehouse was constructed in 1977 and it appears all other buildings were demolished at that time. Records indicate that the building was used by various food companies, and the property is currently used by Dawn Foods to blend dry foods.

In 1996 Hart Crowser[2] completed a limited subsurface investigation for the property (Figure 2). Results included field observations of subsurface metal debris and petroleum-like odor in one location (sample location HC-4). TPH and metals were detected at two locations in the western portion of the subject property (sample locations HC-4 and HC-5). Lead was detected above the MTCA Method A value at one location (HC-4). Volatile organic compounds were detected in several sample locations, but the report concluded that insufficient data was available to determine the source of the solvents. The Hart Crowser report recommended further investigation in the areas of HC-4 and HC-5 and additional soil and groundwater samples to determine the extent and sources of contamination. Available documentation

[1] CRETE 2020. Phase 1 Environmental Site Assessment Report – 6901 Fox Avenue South. Prepared by CRETE Consulting, January 31, 2020.
[2] Hart Crowser 1996. Limited Subsurface Investigation Fox Avenue Property 6901 Fox Avenue South, Seattle Washington. November 12, 1996.

indicates that no additional environmental sampling or investigation efforts have been completed at the subject property.

Great Western Chemical/Cascade Columbia Distribution Company (GWCC) is located to the east of the subject property, upgradient of the subject property at 6900 Fox Avenue is. Soil and groundwater contamination from petroleum and chlorinated solvent products have been identified at the property and the site is under a Washington Department of Ecology (Ecology) Agreed Order with the current property owner, Fox Ave Building LLC. The Agreed Order requires implementation of the Cleanup Action Plan to address documented contamination. Based on information reported by Ecology, contamination at the site is the result of industrial use since 1918. The soil and groundwater contaminants of concern listed in the Final Cleanup Action Plan[3] include: chlorinated solvents (volatile organic compounds [VOCs]), petroleum hydrocarbons, benzene, semi-volatile organic compounds (SVOCs), and dioxins and furans. This GWCC site is located upgradient of the subject property and groundwater flows from this site to the subject property (in an east to west direction) with discharge to the Duwamish Waterway. Documents for the GWCC project site show the "Northwest Corner Plume CAA" and the "Loading Dock Area" overlapping with the subject property (Figure 3). Data presented in the Cleanup Action Plan suggest that offsite contamination includes at least tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene, and vinyl chloride and that these contaminants are present in groundwater in the southeast corner of the subject property. No cleanup action is proposed on the subject property.

## Recognized Environmental Conditions

The Phase 1 ESA identified the following recognized environmental conditions (REC) related to soil and groundwater conditions at the subject property:

- **Presence of Contaminated Groundwater from Offsite Sources –** Groundwater flows from east to west, toward the Duwamish Waterway. Contaminated groundwater from the upgradient Great Western Chemical Site has likely contaminated groundwater at the subject property with chlorinated solvents and may have contaminated the property with petroleum hydrocarbons.
- **Presence of Contaminated Soil and Groundwater from Onsite Sources –** Environmental investigation work in 1996 indicated that soil contamination is present at the subject property and the extent and sources have not been defined (Hart Crowser 1996). Sources are thought to be from the shipbuilding activities which occurred at the site from 1917 and 1966. Groundwater samples were not collected as part of the 1996 investigation work.

Based on the RECs identified in the Phase 1 ESA, a Phase 2 ESA was completed in January 2020.

## Phase 2 ESA Scope of Work

Based on the RECs identified in the Phase 1 ESA, additional soil and groundwater samples were collected to assess the presence of contaminated groundwater and soil at the subject site from offsite and onsite sources. On January 2, 2020 CRETE conducted a focused environmental investigation at the subject property (Figure 4). Soil and groundwater samples were collected using a Geoprobe® drilling rig operated by ESN Northwest, a Washington State licensed driller. Soil samples were collected directly

[3] Ecology 2012. Final Cleanup Action Plan, Fox Avenue Site. Washington State Department of Ecology, June 2012.

from the Geoprobe® soil cores and groundwater samples were collected from temporary wells installed at the boring location using a stainless steel well screen that was decontaminated between each location. Temporary wells were abandoned after sampling. All locations were backfilled with bentonite and an asphalt surface patch.

## Phase 2 ESA Results

### Geology and Hydrogeology Results

Geoprobe borings were advanced to a depth of 15 feet below ground surface (ft. bgs). The soil consisted of sand fill with some silt and gravel from around 9 to 12 ft. bgs. Odors were noted on soil from GP-SB-2 and GP-SB-5. A layer of wood waste was observed at GP-SB-5 at 6 to 6.5 and 10 to 13 ft. bgs. Copies of field logs are included in Attachment 1.

Groundwater was encountered at between 7.81 (GP-SB-5) and 12.04 (GP-SB-3) ft. bgs. The regional groundwater flow direction is generally to the west-southwest with groundwater discharging to the Duwamish River.

### Soil and Groundwater Results

Soil samples from GP-SB-5 and GP-SB-6 (Figure 4) were submitted for metals analysis; samples were collected from the vadose and saturated zones. Samples were located in the vicinity of the historical ship building operations. Table 1 summarizes the results; laboratory reports are included in Attachment 2. Soil detections include the following compounds:

- Mercury in GP-SB-5 at 7 ft. bgs was detected at the MTCA Method A unrestricted land use value of 2 mg/kg. No metal compounds were detected above MTCA Method A or B soil screening levels.
- Arsenic, copper, nickel, zinc and mercury were detected above soil concentrations for protection of surface water calculated screening levels in GP-SB-5 and GP-SB-6. Arsenic, nickel and zinc were detected in dissolved groundwater above screening levels (see discussion below) in groundwater sampled from GP-SB-6, but not detected in the dissolved groundwater sample from GP-SB-5. Dissolved copper and dissolved mercury were not detected above laboratory reporting limits in the groundwater from GP-SB-5 or GP-SB-6.

Groundwater samples were collected from soil borings GP-SB-1 through GP-SB-7 (Figure 4). Select samples were analyzed for metals (total and dissolved), total petroleum hydrocarbons (TPH) gasoline range, and volatile organic compounds (VOCs). Results are shown on Tables 2 and 3; laboratory reports are included in Attachment 2. Groundwater detections include the following compounds:

- Dissolved arsenic was detected in groundwater from three locations (GP-SB-3, GP-SB-6 and GP-SB-7) above the surface water screening level (0.14 µg/L) and the MTCA Method A groundwater cleanup level (5 µg/L; Table 2).
- Dissolved nickel was detected above the surface water screening level (8.2 µg/L) in groundwater from GP-SB-6 and GP-SB-7 (Table 2).
- Dissolved zinc was detected above the surface water screening level (81 µg/L) in groundwater from GP-SB-6 and GP-SB-7 and above the MTCA Method B groundwater cleanup level (4,800 µg/L) from GP-SB-7 (Table 2).

- Vinyl chloride was detected in groundwater from GP-SB-1, GP-SB-2 and GP-SB-3 above surface water (0.026 µg/L) and Method A cleanup (0.2 µg/L) levels. Detections in GP-SB-1 and GP-SB-2 were also above the MTCA screening level for protection of indoor air (0.32 µg/L; Table 2).
- Cis-1,2-Dichloroethene was detected in groundwater from GP-SB-1 and GP-SB-2 at and above the Method B cleanup level (16 µg/L; Table 2).
- TPH-gasoline was detected in the groundwater from GP-SB-2, below the MTCA Method A screening level (1,000 µg/L; Table 2).

## Conclusions

Work completed for this Phase 2 ESA included soil and groundwater samples collected throughout the site associated with potential onsite and offsite environmental soil and groundwater contamination sources. Based on the results of the Phase 2 ESA work, the following environmental concerns remain on the subject property:

- **Offsite sources:** Based on groundwater data from GP-SB-1 through GP-SB-3, a chlorinated solvent groundwater plume is located on the eastern portion of the property, including beneath the office portion of the structure triggering a potential vapor intrusion risk to office workers (based on groundwater data from GP-SB-1 and GP-SB-2). It is assumed that the solvents are from the upgradient Great Western Chemical (GWCC) site (6900 Fox Avenue South – Ecology Cleanup Site ID #5082). Cleanup of this property is being performed under an Agreed Order with Ecology. No investigation has been performed by GWCC on the Dawn Foods property.
- **Undetermined source:** Gasoline in groundwater is coincident with the chlorinated solvent detections at GP-SB-2. Concentrations are below cleanup levels but indicate a potential on-site source that may need to be investigated.
- **Onsite sources:** Based on soil data (GP-SB-5 and GP-SB-6) and groundwater data (GP-SB-5 through GP-SB-7) historical shipbuilding operations at the site have resulted in soil and groundwater contamination, primarily with metals (Zinc and nickel). Nickel and zinc are present in groundwater above cleanup levels at the sample location closest to the Duwamish (GP-SB-6). Additional investigation in this area is required to fully delineate the extent of contamination and potential sources.

Sincerely,

CRETE CONSULTING INCORPORATED, PC

Grant Hainsworth, P.E.
Principal, Senior Project Manager

Tables/Figures/Attachments

# Tables and Figures

**Table 1 Summary of Borehole Soil Data**
**Bridge - Dawn Foods**
**6-Mar-20**

| Sample ID | GP-SB-5-7 | GP-SB-5-12 | GP-SB-6-4 | GP-SB-6-10 | Screening Level MTCA Soil Method A/B | Screening Level MTCA Soil Protective of Groundwater Vadose (based on protection of surface water) | Screening Level MTCA Soil Protective of Groundwater Saturated (based on protection of surface water) |
|---|---|---|---|---|---|---|---|
| Date Sample | 1/2/20 | 1/2/20 | 1/2/20 | 1/2/20 | | | |
| Depth ft. bgs | 7 | 12 | 4 | 10 | | | |
| | Vadose | Saturated | Vadose | Saturated | | | |
| Units | mg/kg | mg/kg | mg/kg | mg/kg | | | |
| Arsenic | **5.09** | **2.48** | **4.98** | **2.37** | 20 | 0.08 | 0.004 |
| Copper | **213** | **19.1** | **26.9** | **12.7** | 3,200 | 1.38 | 0.069 |
| Lead | **222** | **3.09** | **25** | **2.17** | 250 | 1620 | 81 |
| Nickel | **6.84** | **9.08** | **10.6** | **5.32** | 6.5 | 10.7 | 0.53535 |
| Zinc | **180** | **24.9** | **78.7** | **26.7** | 24,000 | 100.9 | 5.05 |
| Cadmium | 1 U | 1 U | 1 U | 1 U | 2 | 1.10 | 0.06 |
| Mercury | **2** | 1 U | 1 U | 1 U | 2 | 0.03 | 0.001 |

Notes:
Bold = detection
MTCA Soil Protective of Groundwater Vadose/Saturated screening levels based on MTCA Eqn. 747-1 and the surface water values shown on Table 2.
Shading denotes an exceedance of a screening level
ft. bgs = feet below ground surface
mg/kg = milligrams per kilograms
U = laboratory detection limit
MTCA - Model Toxics Control Act

**Table 2 Groundwater Samples from Temporary Site Wells - Detected Compounds**
**Bridge - Dawn Foods**
**6-Mar-20**

| Sample ID | GP-SB-1 | GP-SB-2 | GP-SB-3 | GP-SB-5 | GP-SB-6 | GP-SB-7 | Screening Level | Screening Level Source | Surface Water Screening Level Source |
|---|---|---|---|---|---|---|---|---|---|
| Date Sampled | 1/2/2020 | 1/2/2020 | 1/2/2020 | 1/2/2020 | 1/2/2020 | 1/2/2020 | | | |
| Sample results are in ug/L | | | | | | | | | |
| **Metals Total/Dissolved** | | | | | | | | | |
| Arsenic - total | NS | NS | **7.22** | **29** | **23** | **37.9** | See dissolved | | NA |
| Cadmium - total | NS | NS | 1 U | **2.87** | 10 U | 1 U | See dissolved | | NA |
| Copper - total | NS | NS | 25 U | **1,460** | **66.1** | 5 U | See dissolved | | NA |
| Lead - total | NS | NS | **24.2** | **632** | 10 U | 1 U | See dissolved | | NA |
| Mercury - total | NS | NS | 1 U | **4.29** | 1 U | 1 U | See dissolved | | NA |
| Nickel - total | NS | NS | 5 U | **66** | **42.4** | **24** | See dissolved | | NA |
| Zinc - total | NS | NS | 25 U | **1,070** | **3770** | **22,800** | See dissolved | | NA |
| Arsenic - dissolved | NS | NS | **6.92** | 1 U | **10.6** | **29.7** | 0.14/5 | Note 1/2 | Surface Water Human Health Marine Waters 40 CFR 131.45 |
| Cadmium - dissolved | NS | NS | 1 U | 1 U | 5 U | 1 U | 7.9/NS | Note 1/2 | Surface Water Aquatic Life Marine/Chronic CWA §304 |
| Copper - dissolved | NS | NS | 25 U | 25 U | 5 U | 5 U | 3.1/640 | Note 1/2 | Surface Water Aquatic Life Marine/Chronic CWA §304 |
| Lead - dissolved | NS | NS | 1 U | 1 U | 5 U | 1 U | 8.1/15 | Note 1/2 | Surface Water Aquatic Life Marine/Chronic 173-201A WAC |
| Mercury - dissolved | NS | NS | 1 U | 1 U | 5 U | 1 U | 0.025/2 | Note 1/2 | Surface Water Aquatic Life Marine/Chronic 173-201A WAC |
| Nickel - dissolved | NS | NS | 5 U | 5 U | **8.71** | **22.7** | 8.2/320 | Note 1/2 | Surface Water Aquatic Life Marine/Chronic 173-201A WAC |
| Zinc - dissolved | NS | NS | 25 U | 25 U | **3,110** | **22,300** | 81/4,800 | Note 1/2 | Surface Water Aquatic Life Marine/Chronic 173-201A WAC |
| **Total Petroleum Hydrocarbons** | | | | | | | | | |
| Gasoline Range Organics | 100 U | **800** | NS | NS | NS | NS | 1,000 | Note 2 | NA |
| **Volatile Organic Compounds** | | | | | | | | | |
| Vinyl chloride | **44** | **72** | **0.31** | 0.2 U | 0.2 U | NS | 0.026/0.2/ 0.32 | Note 1/2/3 | Surface Water Human Health Marine Waters 173-201A WAC |
| Methyl t-butyl ether | **1.1** | 10 U | 1 U | 1 U | 1 U | NS | 20 | Note 2 | NA |
| cis-1,2-Dichloroethene | **16** | **400** | 1 U | 1 U | 1 U | NS | 16 | Note 2 | NA |

Notes:
Note 1 - Lowest surface water standard (only marine water evaluated)
Note 2 - MTCA Method A or B Cleanup Value
Note 3 - MTCA Groundwater protection of indoor air screening level
Bold = detection
Shading denotes an exceedance of a screening level
ug/L - microgram per liter
MTCA - Model Toxics Control Act
NS - not sampled
NA - not applicable
U = laboratory detection limit

**Table 3 Summary of Groundwater Samples from Temporary Site Wells**
**Bridge - Dawn Foods**
**6-Mar-20**

| Result Parameter Name | GP-SB-1 | GP-SB-2 | GP-SB-3 | GP-SB-5 | GP-SB-6 | GP-SB-7 |
|---|---|---|---|---|---|---|
| | 1/2/2020 | 1/2/2020 | 1/2/2020 | 1/2/2020 | 1/2/2020 | 1/2/2020 |
| Sample results are in ug/L | | | | | | |
| Arsenic - total | NS | NS | **7.22** | **29** | **23** | **37.9** |
| Cadmium - total | NS | NS | 1 U | **2.87** | 10 U | 1 U |
| Copper - total | NS | NS | 25 U | **1460** | **66.1** | 5 U |
| Lead - total | NS | NS | **24.2** | **632** | 10 U | 1 U |
| Mercury - total | NS | NS | 1 U | **4.29** | 1 U | 1 U |
| Nickel - total | NS | NS | 5 U | **66** | **42.4** | **24** |
| Zinc - total | NS | NS | 25 U | **1070** | **3770** | **22800** |
| Arsenic - dissolved | NS | NS | **6.92** | 1 U | **10.6** | **29.7** |
| Cadmium - dissolved | NS | NS | 1 U | 1 U | 5 U | 1 U |
| Copper - dissolved | NS | NS | 25 U | 25 U | 5 U | 5 U |
| Lead - dissolved | NS | NS | 1 U | 1 U | 5 U | 1 U |
| Mercury - dissolved | NS | NS | 1 U | 1 U | 5 U | 1 U |
| Nickel - dissolved | NS | NS | 5 U | 5 U | **8.71** | **22.7** |
| Zinc - dissolved | NS | NS | 25 U | 25 U | **3110** | **22300** |
| | | | | | | |
| Gasoline Range Organics | 100 U | **800** | NS | NS | NS | NS |
| | | | | | | |
| Vinyl chloride | **44** | **72** | **0.31** | 0.2 U | 0.2 U | NS |
| Methyl t-butyl ether | **1.1** | 10 U | 1 U | 1 U | 1 U | NS |
| cis-1,2-Dichloroethene | **16** | **400** | 1 U | 1 U | 1 U | NS |
| CFC-12 | 1 U | 10 U | 10 U | 10 U | 10 U | NS |
| 1,3-Dichloropropane | 1 U | 100 U | 1 U | 1 U | 1 U | NS |
| Chloromethane | 10 U | 10 U | 1 U | 1 U | 1 U | NS |
| Tetrachloroethene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| Dibromochloromethane | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| Bromomethane | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| 1,2-Dibromoethane | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| Chloroethane | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| Chlorobenzene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| CFC-11 | 1 U | 10 U | 50 U | 50 U | 50 U | NS |
| Ethylbenzene | 1 U | 500 U | 1 U | 1 U | 1 U | NS |
| Acetone | 50 U | 10 U | 1 U | 1 U | 1 U | NS |
| 1,1,1,2-Tetrachloroethane | 1 U | 10 U | 2 U | 2 U | 2 U | NS |
| 1,1-Dichloroethene | 1 U | 20 U | 1 U | 1 U | 1 U | NS |
| m, p-Xylene | 2 U | 10 U | 1 U | 1 U | 1 U | NS |
| Hexane | 1 U | 10 U | 5 U | 5 U | 5 U | NS |
| o-Xylene | 1 U | 50 U | 1 U | 1 U | 1 U | NS |
| Methylene chloride | 5 U | 10 U | 1 U | 1 U | 1 U | NS |
| Styrene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| Isopropylbenzene (Cumene) | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| trans-1,2-Dichloroethene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| Bromoform | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| 1,1-Dichloroethane | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| n-Propylbenzene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| 2,2-Dichloropropane | 1 U | 10 U | 1 U | 1 U | 1 U | NS |

**Table 3 Summary of Groundwater Samples from Temporary Site Wells**
**Bridge - Dawn Foods**
**6-Mar-20**

| Result Parameter Name | GP-SB-1 | GP-SB-2 | GP-SB-3 | GP-SB-5 | GP-SB-6 | GP-SB-7 |
|---|---|---|---|---|---|---|
| | 1/2/2020 | 1/2/2020 | 1/2/2020 | 1/2/2020 | 1/2/2020 | 1/2/2020 |
| Sample results are in ug/L | | | | | | |
| Bromobenzene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| 1,3,5-Trimethylbenzene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| Chloroform | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| 1,1,2,2-Tetrachloroethane | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| 2-Butanone | 10 U | 100 U | 10 U | 10 U | 10 U | NS |
| 1,2,3-Trichloropropane | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| 1,2-Dichloroethane | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| 2-Chlorotoluene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| 1,1,1-Trichloroethane | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| 4-Chlorotoluene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| 1,1-Dichloropropene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| tert-Butylbenzene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| Carbon tetrachloride | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| 1,2,4-Trimethylbenzene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| Benzene | 0.35 U | 3.5 U | 0.35 U | 0.35 U | 0.35 U | NS |
| sec-Butylbenzene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| Trichloroethene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| p-Isopropyltoluene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| 1,2-Dichloropropane | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| 1,3-Dichlorobenzene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| Dichlorobromomethane | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| 1,4-Dichlorobenzene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| Dibromomethane | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| 1,2-Dichlorobenzene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| Methyl isobutyl ketone | 10 U | 100 U | 10 U | 10 U | 10 U | NS |
| 1,2-Dibromo-3-chloropropane | 10 U | 100 U | 10 U | 10 U | 10 U | NS |
| cis-1,3-Dichloropropene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| 1,2,4-Trichlorobenzene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| Toluene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| Hexachlorobutadiene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| trans-1,3-Dichloropropene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| Naphthalene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| 1,1,2-Trichloroethane | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| 1,2,3-Trichlorobenzene | 1 U | 10 U | 1 U | 1 U | 1 U | NS |
| 2-Hexanone | 10 U | 100 U | 10 U | 10 U | 10 U | NS |
| Phenol | NS | NS | NS | NS | 4 U | NS |
| 2,6-Dinitrotoluene | NS | NS | NS | NS | 2 U | NS |
| Bis(2-chloroethyl) ether | NS | NS | NS | NS | 0.4 U | NS |
| 3-Nitroaniline | NS | NS | NS | NS | 40 U | NS |
| Acenaphthene | NS | NS | NS | NS | 0.04 U | NS |
| 1,3-Dichlorobenzene | NS | NS | NS | NS | 0.4 U | NS |
| 1,4-Dichlorobenzene | NS | NS | NS | NS | 0.4 U | NS |
| Dibenzofuran | NS | NS | NS | NS | 0.4 U | NS |
| 1,2-Dichlorobenzene | NS | NS | NS | NS | 0.4 U | NS |
| 2,4-Dinitrotoluene | NS | NS | NS | NS | 2 U | NS |

**Table 3 Summary of Groundwater Samples from Temporary Site Wells**
**Bridge - Dawn Foods**
**6-Mar-20**

| Result Parameter Name | GP-SB-1 | GP-SB-2 | GP-SB-3 | GP-SB-5 | GP-SB-6 | GP-SB-7 |
|---|---|---|---|---|---|---|
| | 1/2/2020 | 1/2/2020 | 1/2/2020 | 1/2/2020 | 1/2/2020 | 1/2/2020 |
| Sample results are in ug/L | | | | | | |
| Benzyl alcohol | NS | NS | NS | NS | 4 U | NS |
| 4-Nitrophenol | NS | NS | NS | NS | 12 U | NS |
| 2,2'-Oxybis(1-chloropropane) | NS | NS | NS | NS | 0.4 U | NS |
| Diethyl phthalate | NS | NS | NS | NS | 4 U | NS |
| 2-Methylphenol | NS | NS | NS | NS | 4 U | NS |
| Fluorene | NS | NS | NS | NS | 0.04 U | NS |
| Hexachloroethane | NS | NS | NS | NS | 0.4 U | NS |
| 4-Chlorophenyl phenyl ether | NS | NS | NS | NS | 0.4 U | NS |
| N-Nitroso-di-n-propylamine | NS | NS | NS | NS | 0.4 U | NS |
| N-Nitrosodiphenylamine | NS | NS | NS | NS | 0.4 U | NS |
| 4-Nitroaniline | NS | NS | NS | NS | 40 U | NS |
| Nitrobenzene | NS | NS | NS | NS | 0.4 U | NS |
| Isophorone | NS | NS | NS | NS | 0.4 U | NS |
| 4-Bromophenyl phenyl ether | NS | NS | NS | NS | 0.4 U | NS |
| 2-Nitrophenol | NS | NS | NS | NS | 4 U | NS |
| Hexachlorobenzene | NS | NS | NS | NS | 0.4 U | NS |
| 2,4-Dimethylphenol | NS | NS | NS | NS | 4 U | NS |
| Phenanthrene | NS | NS | NS | NS | 0.04 U | NS |
| Bis(2-chloroethoxy)methane | NS | NS | NS | NS | 0.4 U | NS |
| Anthracene | NS | NS | NS | NS | 0.04 U | NS |
| Carbazole | NS | NS | NS | NS | 0.4 U | NS |
| 1,2,4-Trichlorobenzene | NS | NS | NS | NS | 0.4 U | NS |
| Di-n-butyl phthalate | NS | NS | NS | NS | 4 U | NS |
| Naphthalene | NS | NS | NS | NS | 0.4 U | NS |
| Fluoranthene | NS | NS | NS | NS | 0.04 U | NS |
| Hexachlorobutadiene | NS | NS | NS | NS | 0.4 U | NS |
| Pyrene | NS | NS | NS | NS | 0.04 U | NS |
| 4-Chloroaniline | NS | NS | NS | NS | 40 U | NS |
| Butylbenzyl phthalate | NS | NS | NS | NS | 4 U | NS |
| 4-Chloro-3-methylphenol | NS | NS | NS | NS | 4 U | NS |
| Benz[a]anthracene | NS | NS | NS | NS | 0.04 U | NS |
| 2-Methylnaphthalene | NS | NS | NS | NS | 0.4 U | NS |
| Chrysene | NS | NS | NS | NS | 0.04 U | NS |
| 1-Methylnaphthalene | NS | NS | NS | NS | 0.4 U | NS |
| Bis(2-ethylhexyl) phthalate | NS | NS | NS | NS | 6.4 U | NS |
| Hexachlorocyclopentadiene | NS | NS | NS | NS | 1.2 U | NS |
| Di-n-octyl phthalate | NS | NS | NS | NS | 4 U | NS |
| Benzo(a)pyrene | NS | NS | NS | NS | 0.04 U | NS |
| Benzo(b)fluoranthene | NS | NS | NS | NS | 0.04 U | NS |
| 2-Chloronaphthalene | NS | NS | NS | NS | 0.4 U | NS |
| Benzo(k)fluoranthene | NS | NS | NS | NS | 0.04 U | NS |
| 2-Nitroaniline | NS | NS | NS | NS | 2 U | NS |
| Indeno(1,2,3-cd)pyrene | NS | NS | NS | NS | 0.04 U | NS |
| Dimethyl phthalate | NS | NS | NS | NS | 4 U | NS |
| Dibenzo(a,h)anthracene | NS | NS | NS | NS | 0.04 U | NS |

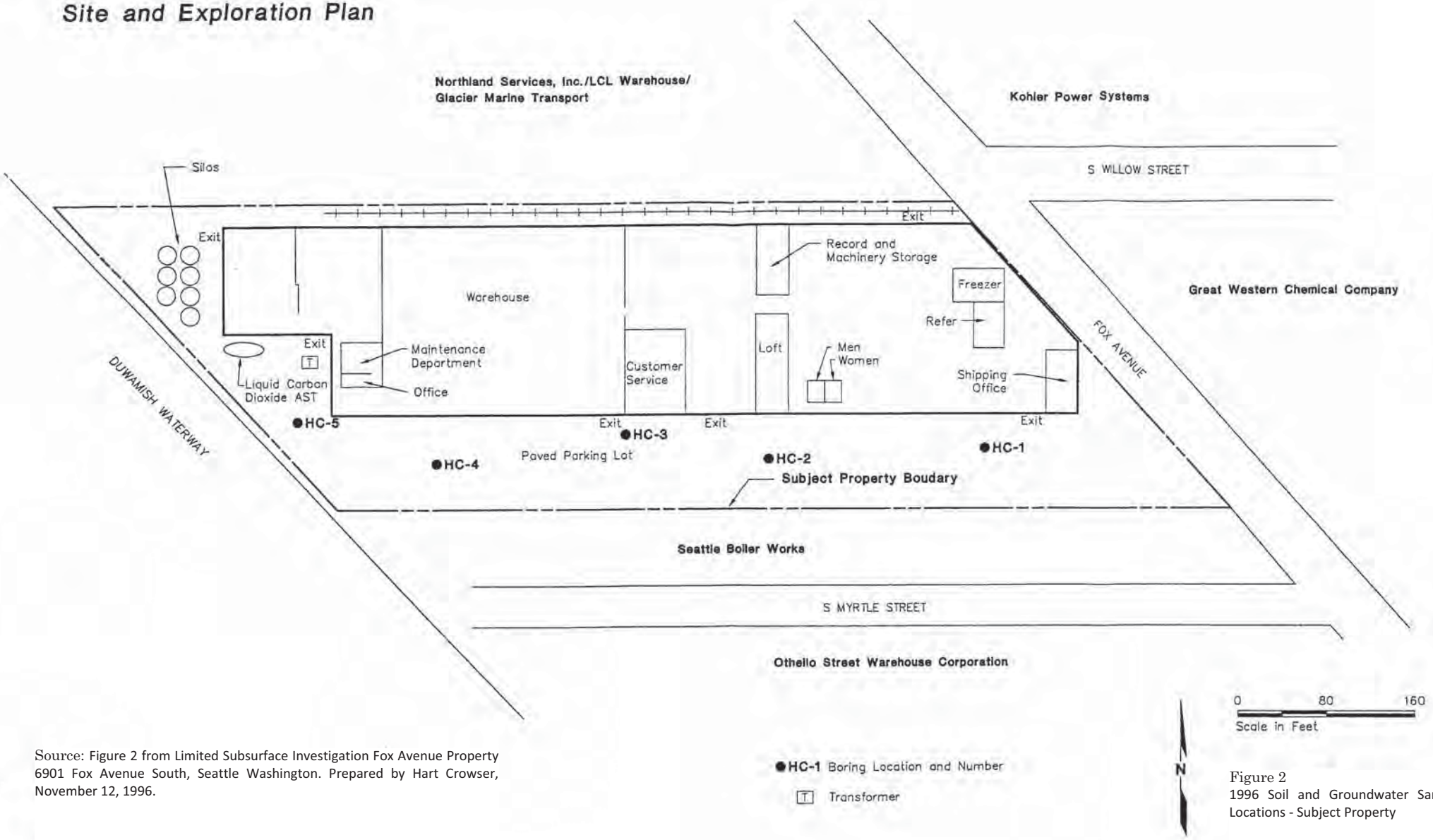
**Table 3 Summary of Groundwater Samples from Temporary Site Wells**
**Bridge - Dawn Foods**
**6-Mar-20**

| Result Parameter Name | GP-SB-1 | GP-SB-2 | GP-SB-3 | GP-SB-5 | GP-SB-6 | GP-SB-7 |
|---|---|---|---|---|---|---|
| | 1/2/2020 | 1/2/2020 | 1/2/2020 | 1/2/2020 | 1/2/2020 | 1/2/2020 |
| Sample results are in ug/L | | | | | | |
| Acenaphthylene | NS | NS | NS | NS | 0.04 U | NS |
| Benzo(ghi)perylene | NS | NS | NS | NS | 0.08 U | NS |
| 2-Chlorophenol | NS | NS | NS | NS | 4 U J | NS |
| 2,4-Dinitrophenol | NS | NS | NS | NS | 12 U J | NS |
| 3-Methylphenol + 4-Methylpheno | NS | NS | NS | NS | 8 U J | NS |
| 4,6-Dinitro-2-methylphenol | NS | NS | NS | NS | 12 U J | NS |
| Pentachlorophenol | NS | NS | NS | NS | 2 U J | NS |
| Benzoic acid | NS | NS | NS | NS | 20 U J | NS |
| 2,4-Dichlorophenol | NS | NS | NS | NS | 4 U J | NS |
| 2,4,6-Trichlorophenol | NS | NS | NS | NS | 4 U J | NS |
| 2,4,5-Trichlorophenol | NS | NS | NS | NS | 4 U J | NS |

Notes:
Bold = detection
ug/L - microgram per liter
MTCA - model toxics control act
NS - not sampled
U = laboratory detection limit
J = detection is estimated by the laboratory

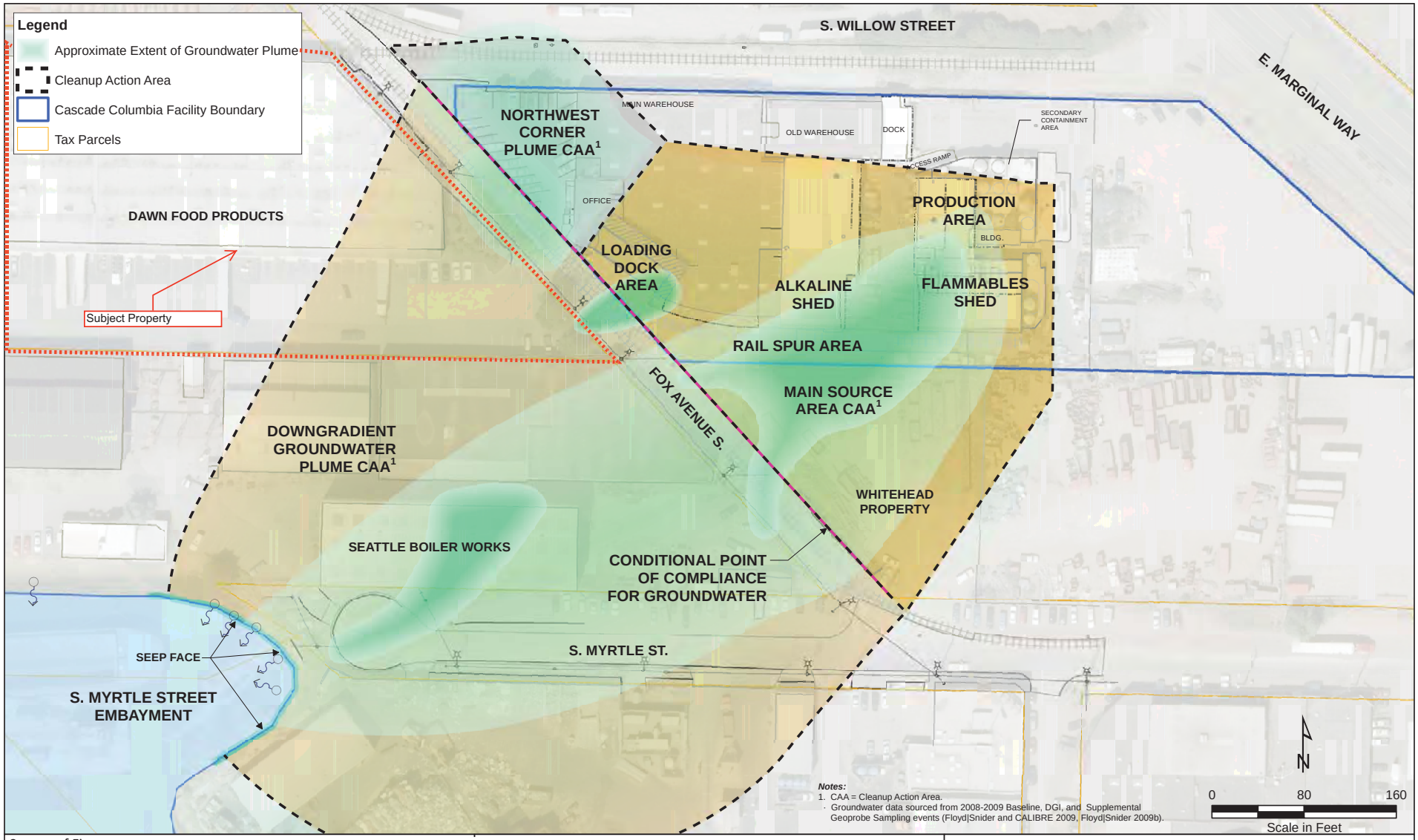

CRETE CONSULTING, INC.

| | |
|---|---|
| 6901 Fox Ave South Phase 1 ESA<br>Bridge Development Partners, LLC<br>January 17, 2020 | Figure 1<br>6901 Fox Ave South<br>Parcel Number 000180-0113 |




Source: Figure 2 from Limited Subsurface Investigation Fox Avenue Property 6901 Fox Avenue South, Seattle Washington. Prepared by Hart Crowser, November 12, 1996.

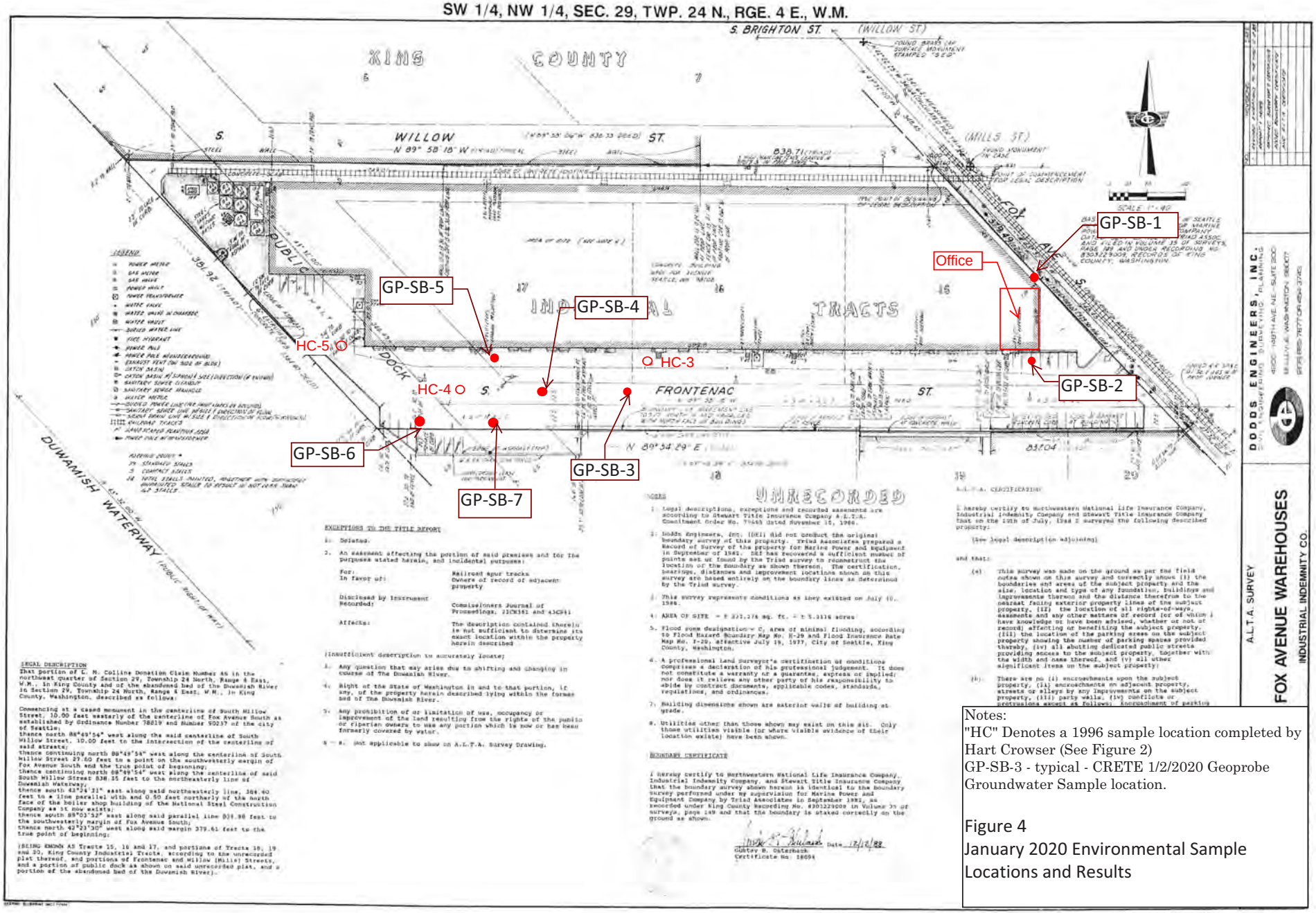
Figure 2
1996 Soil and Groundwater Sample Locations - Subject Property




Source of Figure:
Floyd Snider, 2012. Cleanup Action Plan.
Figure 2.3 Cleanup Action Areas.

Figure 3
Upgardient Groundwater Plume - Fox Avenue Cleanup Site

t
6




Notes:
"HC" Denotes a 1996 sample location completed by Hart Crowser (See Figure 2)
GP-SB-3 - typical - CRETE 1/2/2020 Geoprobe Groundwater Sample location.

Figure 4
January 2020 Environmental Sample Locations and Results

**Attachment 1**
**Field Logs**

| Project: | Project Number: | Boring No. | CRETE CONSULTING, INC. |
|---|---|---|---|
| Dawn Foods | | GP-SB-1 | |
| Address, City, State | | Client: | Sheet 1 of 1 |
| Logged By: PB | Date Started: 8:30 | Bit Type: | Drilling Contractor: ESN |
| Drill Crew: ESN | Date Completed: 9:10 | Hammer Type: | Diameter: |
| USA Ticket Number: | Date Backfilled: Bent. | Hammer Weight: | Drill Rig Type: GP |
| | Groundwater Depth: | Elevation: | Total Depth of Boring: 15' |

| Depth (feet) | Sample Type | Sample Number | Blow Counts (blows/foot) | Graphic Log | Lithology<br>**Soil Group Name:** modifier, color, moisture, density/consistency, grain size, other descriptors<br>**Rock Description:** modifierm color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions. | Dry Density (pcf) | PID (ppm) | Additional Test |
|---|---|---|---|---|---|---|---|---|
| | | | | | 6" Asphalt + gravel, trace sand.<br>5' Brown FINE Sand, dry 0 ppm<br>GP-SB-1-4 1.2.20, 8:44<br>10' SAND Light Brown, dry<br>No odor<br>WATER @ 9.35' Bgs<br>GP-SB-1 1.2.20 8:55<br>15' DARK BROWN SAND DRY<br>wet @ 14' BGS<br>SAMPLE @ GP-SB-1-9<br>1.2.20 8:57 | | | |
| 5 | | | | | | | | |
| 10 | | | | | | | | |
| 15 | | | | | | | | |

| Project: DAWN FOODS | Project Number: | Boring No. GP-SB-2 | CRETE CONSULTING, INC. |
|---|---|---|---|
| Address, City, State | | Client: | Sheet 1 of 1 |
| Logged By: PB | Started: 9:23 | Bit Type: | Drilling Contractor: ESN |
| Drill Crew: | Completed: 9:50 | Hammer Type: | Diameter: |
| USA Ticket Number: | Backfilled: Bent. | Hammer Weight: | Drill Rig Type: GP |
| | Groundwater Depth: | Elevation: | Total Depth of Boring: 15' |

| Depth (feet) | Sample Type | Sample Number | Blow Counts (blows/foot) | Graphic Log | Lithology<br>**Soil Group Name:** modifier, color, moisture, density/consistency, grain size, other descriptors<br>**Rock Description:** modifierm color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions. | Dry Density (pcf) | PID (ppm) | Additional Test |
|---|---|---|---|---|---|---|---|---|
| | | | | | 0~6" Asphalt + Gravel<br>6"~5' FINE SAND, TAN DRY, NO ODOR<br>0.1 ppm<br>SN: GP-SB-2-4 @ 9:25<br>5'~10' SAND, DARK BROWN MOIST, NO ODOR<br>GW @ 9.09' BGS SHEEN ON WATER<br>GW SAMPLE GP-SB-2 @ 9:45<br>~~SAND~~ 10-13' SAND, ODOR, DARK BROWN/BLACK 1007 ppm FUEL ODOR<br>13'~14' CLAY/FINE SAND MOIST<br>14'~15' SAND DARK BROWN MOIST<br>SAMPLE AT 12' BGS<br>GP-SB-2-12 @ 9:40 | | | |
| 5 | | | | | | | | |
| 10 | | | | | | | | |
| 15 | | | | | | | | |

| Project: DAWN FOODS | Project Number: | Boring No. GP-SB-3 | CRETE CONSULTING, INC. |
|---|---|---|---|
| Address, City, State | | Client: | Sheet 1 of 1 |
| Logged By: PB | Date Started: 10:10 | Bit Type: | Drilling Contractor: ESN |
| Drill Crew: | Date Completed: 10:40 | Hammer Type: | Diameter: |
| USA Ticket Number: | Date Backfilled: Bent. | Hammer Weight: | Drill Rig Type: GP |
| | Groundwater Depth: | Elevation: | Total Depth of Boring: 15' |

| Depth (feet) | Sample Type | Sample Number | Blow Counts (blows/foot) | Graphic Log | Lithology<br>**Soil Group Name:** modifier, color, moisture, density/consistency, grain size, other descriptors<br>**Rock Description:** modifierm color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions. | Dry Density (pcf) | PID (ppm) | Additional Test |
|---|---|---|---|---|---|---|---|---|
| | | | | | 0~12' Asphalt + Gravel black + grey<br>1'~3' FINE SAND, TAN<br>3'~5' SAND, BLACK + TAN NO ODOR. DRY 0.6 PPM SAMPLE @ 4' @ 10:20<br>5'~8' SAME<br>8'~9' FINE SAND, BROWN/TAN, MOIST NO ODOR 0 PPM<br>9'~10' CLAYEY<br>10'~12' CAND WITH GRAVEL TAN, NO ODOR<br>GW = 12.04' BGS, Ran dry. GW SAMPLE GP-SB-3 @ 10:25<br>12'~15' CLAY/FINE SAND 0.1 PPM BROWN<br>SOIL SAMPLE FROM 11~12' BGS | | | |
| 5 | | | | | | | | |
| 10 | | | | | | | | |
| 15 | | | | | | | | |

| Project: | Project Number: | Boring No. | CRETE CONSULTING, INC. |
|---|---|---|---|
| Dawn Foods | | GP-SB-4 | |
| Address, City, State | | Client: | Sheet 1 of 1 |
| Logged By: PB | Date Started: 11:00 | Bit Type: | Drilling Contractor: ESN |
| Drill Crew: | Date Completed: 11:40 | Hammer Type: | Diameter: |
| USA Ticket Number: | Date Backfilled: Bent. | Hammer Weight: | Drill Rig Type: GP |
| | Groundwater Depth: | Elevation: | Total Depth of Boring: 15' |

| Depth (feet) | Sample Type | Sample Number | Blow Counts (blows/foot) | Graphic Log | Lithology<br>Soil Group Name: modifier, color, moisture, density/consistency, grain size, other descriptors<br>Rock Description: modifierm color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions. | Dry Density (pcf) | PID (ppm) | Additional Test |
|---|---|---|---|---|---|---|---|---|
| | | | | | MOVED 1' FURTHER FROM BLDG. Due to refusal @ 18". | | | |
| | | | | | 0~6" Gravel asphalt SOIL SAMPLE AT 4' BGS @ 11:20 | | | |
| | | | | | 6"~5' sand, brown + tan Dry, No odor P.D = 0 | | | |
| 5 | | | | | 5~6' SAND with trace gravel NO ODOR P.D = 0 | | | |
| | | | | | 6'~8' SAND BROWN & TAN DRY, NO ODOR | | | |
| | | | | | 8'~9.5' FINE SAND P.D = 0 | | | |
| | | | | | 9.5'~10' CLAYEY SAND, SILT. | | | |
| 10 | | | | | 10'~12' SAND, FINE SAND BROWN | | | |
| | | | | | 12'~14' SILT, BROWN MOIST | | | |
| | | | | | GW @ 8.22' BGS | | | |
| | | | | | SOIL SAMPLE @ 8'~8.5' bgs | | | |
| | | | | | GW sample @ 11:35 | | | |
| 15 | | | | | | | | |

| Project: | Project Number: | Boring No. | CRETE CONSULTING, INC. |
|---|---|---|---|
| DAWN FOODS | | GP-SB-5 | |
| Address, City, State | | Client: | Sheet 1 of 1 |
| Logged By: PB | Date Started: 11:55 | Bit Type: | Drilling Contractor: ESN |
| Drill Crew: | Date Completed: 12:30 | Hammer Type: | Diameter: |
| USA Ticket Number: | Date Backfilled: Bent. | Hammer Weight: | Drill Rig Type: GP |
| | Groundwater Depth: | Elevation: | Total Depth of Boring: 15' |

| Depth (feet) | Sample Type | Sample Number | Blow Counts (blows/foot) | Graphic Log | Lithology<br>**Soil Group Name:** modifier, color, moisture, density/consistency, grain size, other descriptors<br>**Rock Description:** modifierm color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions. | Dry Density (pcf) | PID (ppm) | Additional Test |
|---|---|---|---|---|---|---|---|---|
| | | | | | 0~6" Asphalt<br>6"~4' SAND + GRAVEL<br>4'~5' concrete PID = 0<br>5'~6' SAND<br>6~6.5' WOOD WASTE<br>6.5~8' SAND, ODOR (Petroleum?)<br>4 collect sample PID = 0.4 ppm<br>GP-SB-5-7 @ 12:~~45~~15<br>GW @ 7.81' bgs COLLECT GW @ 12:20<br>8~10 NO RECOVERY<br>10~11 GRAVEL/WASTE<br>11~13 SILT/CLAYEY TAN/BROWN<br>13~15' SAND BROWN NO ODOR 0 ppm<br>SOIL: GP-SB-5-12 @ 12:20 | | | |
| 5 | | | | | | | | |
| 10 | | | | | | | | |
| 15 | | | | | | | | |

| Project: Dawn Foods | Project Number: | Boring No. GP-SB-6 | CRETE CONSULTING, INC. |
|---|---|---|---|
| Address, City, State | | Client: | Sheet 1 of 1 |
| Logged By: PB | Date Started: 12:45 | Bit Type: | Drilling Contractor: ESN |
| Drill Crew: | Date Completed: 13:45 | Hammer Type: | Diameter: |
| USA Ticket Number: | Date Backfilled: Bent. | Hammer Weight: | Drill Rig Type: GP |
| | Groundwater Depth: | Elevation: | Total Depth of Boring: 15' |

| Depth (feet) | Sample Type | Sample Number | Blow Counts (blows/foot) | Graphic Log | Lithology<br>**Soil Group Name:** modifier, color, moisture, density/consistency, grain size, other descriptors<br>**Rock Description:** modifierm color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions. | Dry Density (pcf) | PID (ppm) | Additional Test |
|---|---|---|---|---|---|---|---|---|
| | | | | | 0~6" Asphalt<br>6"~5' SAND + Gravel, Dry Brown, Trace waste (Brick) PID = 0 ppm<br>5'~10' BROWN SAND WITH GRAVEL DRY, NO odor PID = 0 ppm<br>collect soil sample @ 4' (GP-SB-6-4) @ 12:56<br>10~11' Brown sand with gravel No odor<br>11'~14' Brown silt No odor PID = 0.0<br>14'~15' SAND Brown No odor PID = 0.0<br>GW @ 8.73' BGS.<br>collect soil sample @ 10' (GP-SB-6-10) @ 13:15 | | | |
| 5 | | | | | | | | |
| 10 | | | | | | | | |
| 15 | | | | | | | | |

| Project: | Project Number: | Boring No. | CRETE CONSULTING, INC. |
|---|---|---|---|
| DAWN FOODS | | GP-SB-7 | |
| Address, City, State | | Client: | Sheet 1 of 1 |
| Logged By: PB | Date Started: 14:00 | Bit Type: | Drilling Contractor: ESN |
| Drill Crew: | Date Completed: 15:00 | Hammer Type: | Diameter: |
| USA Ticket Number: | Date Backfilled: Bent. | Hammer Weight: | Drill Rig Type: GP |
| | Groundwater Depth: | Elevation: | Total Depth of Boring: 15' |

| Depth (feet) | Sample Type | Sample Number | Blow Counts (blows/foot) | Graphic Log | Lithology<br>**Soil Group Name:** modifier, color, moisture, density/consistency, grain size, other descriptors<br>**Rock Description:** modifierm color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions. | Dry Density (pcf) | PID (ppm) | Additional Test |
|---|---|---|---|---|---|---|---|---|
| | | | | | 0~6" ASPHALT SOIL SAMPLE @ 4' @ 14:10<br>6"~5' SAND, TAN, DRY, No odor P.D = 0.0 | | 0 | |
| | | | | | 5'~9.5' SAND TAN DRY, No odor @ PID = 0.0 | | | |
| 5 | | | | | 9.5'~10' SILT, MOIST BROWN 1" Rock above silt | | | |
| | | | | | 10'~13' SAND with some silt. Dark Brown, moist No odor PID = 0.0 | | | |
| | | | | | 13~15' SILTY, CLAYEY BROWN, NO odor PID=0.0 | | | |
| 10 | | | | | GW @ 8.63' bgs<br>SOIL SAMPLE @ 8' bgs @ 14:20 PID = 0.0 | | | |
| | | | | | GW sample GP-SB-7 @ 14:25<br>DUPLICATE = GP-SB-99 @ 14:45 | | | |
| 15 | | | | | | | | |

**Attachment 2**
**Laboratory Data Report**

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 16, 2020

Jamie Stevens, Project Manager
Crete Consulting
108 S. Washington St., Suite 300
Seattle, WA 98104

Dear Ms Stevens:

Included is the amended report from the testing of material submitted on January 3, 2020 from the Dawn Food, F&BI 001037 project. The total and dissolved metals report headers have been amended.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
CTC0114R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 14, 2020

Jamie Stevens, Project Manager
Crete Consulting
108 S. Washington St., Suite 300
Seattle, WA 98104

Dear Ms Stevens:

Included are the results from the testing of material submitted on January 3, 2020 from the Dawn Food, F&BI 001037 project. There are 42 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
CTC0114R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on January 3, 2020 by Friedman & Bruya, Inc. from the Crete Consulting Dawn Food, F&BI 001037 project. Samples were logged in under the laboratory ID's listed below.

| Laboratory ID | Crete Consulting |
|---|---|
| 001037 -01 | GP-SB-5-12 |
| 001037 -02 | GP-SB-1-9 |
| 001037 -03 | GP-SB-4-4 |
| 001037 -04 | GP-SB-5-7 |
| 001037 -05 | GP-SB-6-4 |
| 001037 -06 | GP-SB-4-8 |
| 001037 -07 | GP-SB-2-4 |
| 001037 -08 | GP-SB-6-10 |
| 001037 -09 | GP-SB-7-8 |
| 001037 -10 | GP-SB-7-4 |
| 001037 -11 | GP-SB-1-4 |
| 001037 -12 | Drum-1-0120 |
| 001037 -13 | GP-SB-3-12 |
| 001037 -14 | GP-SB-2-12 |
| 001037 -15 | GP-SB-3-4 |
| 001037 -16 | GP-SB-1 |
| 001037 -17 | GP-SB-1-Filter |
| 001037 -18 | GP-SB-2 |
| 001037 -19 | GP-SB-2-Filter |
| 001037 -20 | GP-SB-3 |
| 001037 -21 | GP-SB-3-Filter |
| 001037 -22 | GP-SB-4 |
| 001037 -23 | GP-SB-4-Filter |
| 001037 -24 | GP-SB-5 |
| 001037 -25 | GP-SB-5-Filter |
| 001037 -26 | GP-SB-6 |
| 001037 -27 | GP-SB-6-Filter |
| 001037 -28 | GP-SB-7 |
| 001037 -29 | GP-SB-7-Filter |
| 001037 -30 | GP-SB-99 |
| 001037 -31 | GP-SB-99-Filter |

A 6020B internal standard failed the acceptance criteria for several samples. The samples were diluted and reanalyzed with acceptable results. Both data sets were reported.

Methylene chloride was detected in the 8260D analysis of sample GP-SB-2. The data were flagged as due to laboratory contamination.

CASE NARRATIVE (continued)

The 8260D calibration standard failed the acceptance criteria for 2-butanone. The data were flagged accordingly.

The 8260D laboratory control sample and laboratory control sample duplicate failed the relative percent difference for acetone. Acetone was not detected therefore the data were acceptable.

All other quality control requirements were acceptable.

Date of Report: 01/14/20
Date Received: 01/03/20
Project: Dawn Food, F&BI 001037
Date Extracted: 01/07/20
Date Analyzed: 01/07/20

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx**

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

| Sample ID<br>Laboratory ID | Gasoline Range | Surrogate<br>(% Recovery)<br>(Limit 50-150) |
|---|---|---|
| Drum-1-0120<br>001037-12 | 120 | 113 |
| Method Blank<br>00-7 MB | <5 | 82 |

Date of Report: 01/14/20
Date Received: 01/03/20
Project: Dawn Food, F&BI 001037
Date Extracted: 01/06/20
Date Analyzed: 01/06/20

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

| Sample ID<br>Laboratory ID | Diesel Range<br>($C_{10}$-$C_{25}$) | Motor Oil Range<br>($C_{25}$-$C_{36}$) | Surrogate<br>(% Recovery)<br>(Limit 53-144) |
|---|---|---|---|
| Drum-1-0120<br>001037-12 | 78 x | <250 | 74 |
| Method Blank<br>00-59 MB | <50 | <250 | 85 |

## Analysis For Total Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | GP-SB-3 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-20 |
| Date Analyzed: | 01/07/20 | Data File: | 001037-20.102 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration ug/L (ppb) |
|---|---|
| Arsenic | 7.22 |
| Cadmium | <1 |
| Copper | <5 J |
| Lead | 24.2 |
| Mercury | <1 |
| Nickel | 2.17 J |
| Zinc | 12.6 J |

## Analysis For Total Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | GP-SB-3 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-20 x5 |
| Date Analyzed: | 01/08/20 | Data File: | 001037-20 x5.033 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration ug/L (ppb) |
|---|---|
| Copper | <25 |
| Nickel | <5 |
| Zinc | <25 |

## Analysis For Total Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | GP-SB-5 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-24 |
| Date Analyzed: | 01/07/20 | Data File: | 001037-24.110 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration ug/L (ppb) |
|---|---|
| Arsenic | 29.0 |
| Cadmium | 2.87 |
| Copper | 669 J ve |
| Lead | 535 ve |
| Mercury | 4.29 |
| Nickel | 29.4 J |
| Zinc | 461 J |

## Analysis For Total Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | GP-SB-5 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-24 x10 |
| Date Analyzed: | 01/07/20 | Data File: | 001037-24 x10.097 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration ug/L (ppb) |
|---|---|
| Copper | 1,460 |
| Lead | 632 |
| Nickel | 66.0 |
| Zinc | 1,070 |

## Analysis For Total Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | GP-SB-6 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-26 |
| Date Analyzed: | 01/07/20 | Data File: | 001037-26.105 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration ug/L (ppb) |
|---|---|
| Arsenic | 21.7 J |
| Cadmium | <1 J |
| Copper | 33.6 J |
| Lead | 3.40 |
| Mercury | <1 |
| Nickel | 22.4 J |
| Zinc | 1,800 J ve |

## Analysis For Total Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | GP-SB-6 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-26 x10 |
| Date Analyzed: | 01/07/20 | Data File: | 001037-26 x10.098 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration ug/L (ppb) |
|---|---|
| Arsenic | 23.0 |
| Cadmium | <10 |
| Copper | 66.1 |
| Lead | <10 |
| Nickel | 42.4 |
| Zinc | 3,770 |

## Analysis For Total Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | Method Blank | Client: | Crete Consulting |
| Date Received: | NA | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/08/20 | Lab ID: | I0-012 mb |
| Date Analyzed: | 01/08/20 | Data File: | I0-012 mb.030 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration ug/L (ppb) |
|---|---|
| Arsenic | <1 |
| Cadmium | <1 |
| Copper | <5 |
| Lead | <1 |
| Mercury | <1 |
| Nickel | <1 |
| Zinc | <5 |

## Analysis For Dissolved Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | GP-SB-3-Filter | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-21 |
| Date Analyzed: | 01/07/20 | Data File: | 001037-21.103 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration ug/L (ppb) |
|---|---|
| Arsenic | 6.92 |
| Cadmium | <1 |
| Copper | <5 J |
| Lead | <1 |
| Mercury | <1 |
| Nickel | 1.13 J |
| Zinc | <5 J |

## Analysis For Dissolved Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | GP-SB-3-Filter | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-21 x5 |
| Date Analyzed: | 01/08/20 | Data File: | 001037-21 x5.034 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration ug/L (ppb) |
|---|---|
| Copper | <25 |
| Nickel | <5 |
| Zinc | <25 |

## Analysis For Dissolved Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | GP-SB-5-Filter | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-25 |
| Date Analyzed: | 01/07/20 | Data File: | 001037-25.104 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration ug/L (ppb) |
|---|---|
| Arsenic | <1 |
| Cadmium | <1 |
| Copper | <5 J |
| Lead | <1 |
| Mercury | <1 |
| Nickel | 2.13 J |
| Zinc | 6.95 J |

## Analysis For Dissolved Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | GP-SB-5-Filter | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-25 x5 |
| Date Analyzed: | 01/08/20 | Data File: | 001037-25 x5.035 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration ug/L (ppb) |
|---|---|
| Copper | <25 |
| Nickel | <5 |
| Zinc | <25 |

## Analysis For Dissolved Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | GP-SB-6-Filter | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-27 |
| Date Analyzed: | 01/07/20 | Data File: | 001037-27.106 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration ug/L (ppb) |
|---|---|
| Arsenic | 15.0 J |
| Cadmium | <1 J |
| Copper | <5 |
| Lead | <1 J |
| Mercury | <1 J |
| Nickel | 8.71 |
| Zinc | 1,870 ve |

## Analysis For Dissolved Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | GP-SB-6-Filter | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-27 x5 |
| Date Analyzed: | 01/08/20 | Data File: | 001037-27 x5.036 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration ug/L (ppb) |
|---|---|
| Arsenic | 10.6 |
| Cadmium | <5 |
| Lead | <5 |
| Mercury | <5 |
| Zinc | 3,110 |

## Analysis For Dissolved Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | Method Blank | Client: | Crete Consulting |
| Date Received: | NA | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/08/20 | Lab ID: | I0-012 mb |
| Date Analyzed: | 01/08/20 | Data File: | I0-012 mb.030 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration ug/L (ppb) |
|---|---|
| Arsenic | <1 |
| Cadmium | <1 |
| Copper | <5 |
| Lead | <1 |
| Mercury | <1 |
| Nickel | <1 |
| Zinc | <5 |

## Analysis For Total Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | Drum-1-0120 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-12 |
| Date Analyzed: | 01/07/20 | Data File: | 001037-12.051 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration mg/kg (ppm) |
|---|---|
| Arsenic | 1.97 |
| Cadmium | <1 |
| Copper | 10.1 |
| Lead | 1.48 |
| Mercury | <1 |
| Nickel | 3.98 |
| Zinc | 15.6 |

## Analysis For Total Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | Method Blank | Client: | Crete Consulting |
| Date Received: | NA | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | I0-011 mb2 |
| Date Analyzed: | 01/07/20 | Data File: | I0-011 mb2.049 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration mg/kg (ppm) |
|---|---|
| Arsenic | <1 |
| Cadmium | <1 |
| Copper | <5 |
| Lead | <1 |
| Mercury | <1 |
| Nickel | <1 |
| Zinc | <5 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | Drum-1-0120 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-12 |
| Date Analyzed: | 01/11/20 | Data File: | 011040.D |
| Matrix: | Soil | Instrument: | GCMS4 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | MS |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | 62 | 145 |
| Toluene-d8 | 91 | 55 | 145 |
| 4-Bromofluorobenzene | 98 | 65 | 139 |

| Compounds: | Concentration mg/kg (ppm) | Compounds: | Concentration mg/kg (ppm) |
|---|---|---|---|
| Dichlorodifluoromethane | <0.5 | 1,3-Dichloropropane | <0.05 |
| Chloromethane | <0.5 | Tetrachloroethene | <0.025 |
| Vinyl chloride | <0.05 | Dibromochloromethane | <0.05 |
| Bromomethane | <0.5 | 1,2-Dibromoethane (EDB) | <0.05 |
| Chloroethane | <0.5 | Chlorobenzene | <0.05 |
| Trichlorofluoromethane | <0.5 | Ethylbenzene | <0.05 |
| Acetone | <0.5 | 1,1,1,2-Tetrachloroethane | <0.05 |
| 1,1-Dichloroethene | <0.05 | m,p-Xylene | <0.1 |
| Hexane | <0.25 | o-Xylene | <0.05 |
| Methylene chloride | <0.5 | Styrene | <0.05 |
| Methyl t-butyl ether (MTBE) | <0.05 | Isopropylbenzene | <0.05 |
| trans-1,2-Dichloroethene | <0.05 | Bromoform | <0.05 |
| 1,1-Dichloroethane | <0.05 | n-Propylbenzene | <0.05 |
| 2,2-Dichloropropane | <0.05 | Bromobenzene | <0.05 |
| cis-1,2-Dichloroethene | <0.05 | 1,3,5-Trimethylbenzene | <0.05 |
| Chloroform | <0.05 | 1,1,2,2-Tetrachloroethane | <0.05 |
| 2-Butanone (MEK) | <0.5 | 1,2,3-Trichloropropane | <0.05 |
| 1,2-Dichloroethane (EDC) | <0.05 | 2-Chlorotoluene | <0.05 |
| 1,1,1-Trichloroethane | <0.05 | 4-Chlorotoluene | <0.05 |
| 1,1-Dichloropropene | <0.05 | tert-Butylbenzene | <0.05 |
| Carbon tetrachloride | <0.05 | 1,2,4-Trimethylbenzene | 0.25 |
| Benzene | <0.03 | sec-Butylbenzene | 0.25 |
| Trichloroethene | <0.02 | p-Isopropyltoluene | <0.05 |
| 1,2-Dichloropropane | <0.05 | 1,3-Dichlorobenzene | <0.05 |
| Bromodichloromethane | <0.05 | 1,4-Dichlorobenzene | <0.05 |
| Dibromomethane | <0.05 | 1,2-Dichlorobenzene | <0.05 |
| 4-Methyl-2-pentanone | <0.5 | 1,2-Dibromo-3-chloropropane | <0.5 |
| cis-1,3-Dichloropropene | <0.05 | 1,2,4-Trichlorobenzene | <0.25 |
| Toluene | <0.05 | Hexachlorobutadiene | <0.25 |
| trans-1,3-Dichloropropene | <0.05 | Naphthalene | <0.05 |
| 1,1,2-Trichloroethane | <0.05 | 1,2,3-Trichlorobenzene | <0.25 |
| 2-Hexanone | <0.5 | | |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | Method Blank | Client: | Crete Consulting |
| Date Received: | Not Applicable | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 00-027 mb |
| Date Analyzed: | 01/07/20 | Data File: | 010713.D |
| Matrix: | Soil | Instrument: | GCMS9 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | MS |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 95 | 50 | 150 |
| Toluene-d8 | 105 | 50 | 150 |
| 4-Bromofluorobenzene | 104 | 50 | 150 |

| Compounds: | Concentration mg/kg (ppm) | Compounds: | Concentration mg/kg (ppm) |
|---|---|---|---|
| Dichlorodifluoromethane | <0.5 | 1,3-Dichloropropane | <0.05 |
| Chloromethane | <0.5 | Tetrachloroethene | <0.025 |
| Vinyl chloride | <0.05 | Dibromochloromethane | <0.05 |
| Bromomethane | <0.5 | 1,2-Dibromoethane (EDB) | <0.05 |
| Chloroethane | <0.5 | Chlorobenzene | <0.05 |
| Trichlorofluoromethane | <0.5 | Ethylbenzene | <0.05 |
| Acetone | <0.5 | 1,1,1,2-Tetrachloroethane | <0.05 |
| 1,1-Dichloroethene | <0.05 | m,p-Xylene | <0.1 |
| Hexane | <0.25 | o-Xylene | <0.05 |
| Methylene chloride | <0.5 | Styrene | <0.05 |
| Methyl t-butyl ether (MTBE) | <0.05 | Isopropylbenzene | <0.05 |
| trans-1,2-Dichloroethene | <0.05 | Bromoform | <0.05 |
| 1,1-Dichloroethane | <0.05 | n-Propylbenzene | <0.05 |
| 2,2-Dichloropropane | <0.05 | Bromobenzene | <0.05 |
| cis-1,2-Dichloroethene | <0.05 | 1,3,5-Trimethylbenzene | <0.05 |
| Chloroform | <0.05 | 1,1,2,2-Tetrachloroethane | <0.05 |
| 2-Butanone (MEK) | <0.5 | 1,2,3-Trichloropropane | <0.05 |
| 1,2-Dichloroethane (EDC) | <0.05 | 2-Chlorotoluene | <0.05 |
| 1,1,1-Trichloroethane | <0.05 | 4-Chlorotoluene | <0.05 |
| 1,1-Dichloropropene | <0.05 | tert-Butylbenzene | <0.05 |
| Carbon tetrachloride | <0.05 | 1,2,4-Trimethylbenzene | <0.05 |
| Benzene | <0.03 | sec-Butylbenzene | <0.05 |
| Trichloroethene | <0.02 | p-Isopropyltoluene | <0.05 |
| 1,2-Dichloropropane | <0.05 | 1,3-Dichlorobenzene | <0.05 |
| Bromodichloromethane | <0.05 | 1,4-Dichlorobenzene | <0.05 |
| Dibromomethane | <0.05 | 1,2-Dichlorobenzene | <0.05 |
| 4-Methyl-2-pentanone | <0.5 | 1,2-Dibromo-3-chloropropane | <0.5 |
| cis-1,3-Dichloropropene | <0.05 | 1,2,4-Trichlorobenzene | <0.25 |
| Toluene | <0.05 | Hexachlorobutadiene | <0.25 |
| trans-1,3-Dichloropropene | <0.05 | Naphthalene | <0.05 |
| 1,1,2-Trichloroethane | <0.05 | 1,2,3-Trichlorobenzene | <0.25 |
| 2-Hexanone | <0.5 | | |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | GP-SB-1 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-16 |
| Date Analyzed: | 01/08/20 | Data File: | 010846.D |
| Matrix: | Water | Instrument: | GCMS9 |
| Units: | ug/L (ppb) | Operator: | MS |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98 | 50 | 150 |
| Toluene-d8 | 96 | 50 | 150 |
| 4-Bromofluorobenzene | 96 | 50 | 150 |

| Compounds: | Concentration ug/L (ppb) |
|---|---|
| Vinyl chloride | 44 |
| Chloroethane | <1 |
| 1,1-Dichloroethene | <1 |
| Methylene chloride | <5 |
| trans-1,2-Dichloroethene | <1 |
| 1,1-Dichloroethane | <1 |
| cis-1,2-Dichloroethene | 16 |
| 1,2-Dichloroethane (EDC) | <1 |
| 1,1,1-Trichloroethane | <1 |
| Trichloroethene | <1 |
| Tetrachloroethene | <1 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | GP-SB-2 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-18 |
| Date Analyzed: | 01/08/20 | Data File: | 010847.D |
| Matrix: | Water | Instrument: | GCMS9 |
| Units: | ug/L (ppb) | Operator: | MS |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | 50 | 150 |
| Toluene-d8 | 101 | 50 | 150 |
| 4-Bromofluorobenzene | 89 | 50 | 150 |

| Compounds: | Concentration ug/L (ppb) |
|---|---|
| Vinyl chloride | 84 |
| Chloroethane | <1 |
| 1,1-Dichloroethene | <1 |
| Methylene chloride | 5.3 lc |
| trans-1,2-Dichloroethene | 7.3 |
| 1,1-Dichloroethane | <1 |
| cis-1,2-Dichloroethene | 540 ve |
| 1,2-Dichloroethane (EDC) | <1 |
| 1,1,1-Trichloroethane | <1 |
| Trichloroethene | <1 |
| Tetrachloroethene | <1 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | GP-SB-2 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-18 1/10 |
| Date Analyzed: | 01/11/20 | Data File: | 011041.D |
| Matrix: | Water | Instrument: | GCMS4 |
| Units: | ug/L (ppb) | Operator: | MS |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 94 | 57 | 121 |
| Toluene-d8 | 87 | 63 | 127 |
| 4-Bromofluorobenzene | 98 | 60 | 133 |

| Compounds: | Concentration ug/L (ppb) |
|---|---|
| Vinyl chloride | 72 |
| Chloroethane | <10 |
| 1,1-Dichloroethene | <10 |
| Methylene chloride | <50 |
| trans-1,2-Dichloroethene | <10 |
| 1,1-Dichloroethane | <10 |
| cis-1,2-Dichloroethene | 400 |
| 1,2-Dichloroethane (EDC) | <10 |
| 1,1,1-Trichloroethane | <10 |
| Trichloroethene | <10 |
| Tetrachloroethene | <10 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | GP-SB-3 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-20 |
| Date Analyzed: | 01/08/20 | Data File: | 010840.D |
| Matrix: | Water | Instrument: | GCMS9 |
| Units: | ug/L (ppb) | Operator: | MS |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | 50 | 150 |
| Toluene-d8 | 99 | 50 | 150 |
| 4-Bromofluorobenzene | 101 | 50 | 150 |

| Compounds: | Concentration ug/L (ppb) | Compounds: | Concentration ug/L (ppb) |
|---|---|---|---|
| Dichlorodifluoromethane | <1 | 1,3-Dichloropropane | <1 |
| Chloromethane | <10 | Tetrachloroethene | <1 |
| Vinyl chloride | 0.31 | Dibromochloromethane | <1 |
| Bromomethane | <1 | 1,2-Dibromoethane (EDB) | <1 |
| Chloroethane | <1 | Chlorobenzene | <1 |
| Trichlorofluoromethane | <1 | Ethylbenzene | <1 |
| Acetone | <50 | 1,1,1,2-Tetrachloroethane | <1 |
| 1,1-Dichloroethene | <1 | m,p-Xylene | <2 |
| Hexane | <1 | o-Xylene | <1 |
| Methylene chloride | <5 | Styrene | <1 |
| Methyl t-butyl ether (MTBE) | <1 | Isopropylbenzene | <1 |
| trans-1,2-Dichloroethene | <1 | Bromoform | <1 |
| 1,1-Dichloroethane | <1 | n-Propylbenzene | <1 |
| 2,2-Dichloropropane | <1 | Bromobenzene | <1 |
| cis-1,2-Dichloroethene | <1 | 1,3,5-Trimethylbenzene | <1 |
| Chloroform | <1 | 1,1,2,2-Tetrachloroethane | <1 |
| 2-Butanone (MEK) | <10 ca | 1,2,3-Trichloropropane | <1 |
| 1,2-Dichloroethane (EDC) | <1 | 2-Chlorotoluene | <1 |
| 1,1,1-Trichloroethane | <1 | 4-Chlorotoluene | <1 |
| 1,1-Dichloropropene | <1 | tert-Butylbenzene | <1 |
| Carbon tetrachloride | <1 | 1,2,4-Trimethylbenzene | <1 |
| Benzene | <0.35 | sec-Butylbenzene | <1 |
| Trichloroethene | <1 | p-Isopropyltoluene | <1 |
| 1,2-Dichloropropane | <1 | 1,3-Dichlorobenzene | <1 |
| Bromodichloromethane | <1 | 1,4-Dichlorobenzene | <1 |
| Dibromomethane | <1 | 1,2-Dichlorobenzene | <1 |
| 4-Methyl-2-pentanone | <10 | 1,2-Dibromo-3-chloropropane | <10 |
| cis-1,3-Dichloropropene | <1 | 1,2,4-Trichlorobenzene | <1 |
| Toluene | <1 | Hexachlorobutadiene | <1 |
| trans-1,3-Dichloropropene | <1 | Naphthalene | <1 |
| 1,1,2-Trichloroethane | <1 | 1,2,3-Trichlorobenzene | <1 |
| 2-Hexanone | <10 | | |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | GP-SB-5 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-24 |
| Date Analyzed: | 01/08/20 | Data File: | 010841.D |
| Matrix: | Water | Instrument: | GCMS9 |
| Units: | ug/L (ppb) | Operator: | MS |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | 50 | 150 |
| Toluene-d8 | 101 | 50 | 150 |
| 4-Bromofluorobenzene | 100 | 50 | 150 |

| Compounds: | Concentration ug/L (ppb) | Compounds: | Concentration ug/L (ppb) |
|---|---|---|---|
| Dichlorodifluoromethane | <1 | 1,3-Dichloropropane | <1 |
| Chloromethane | <10 | Tetrachloroethene | <1 |
| Vinyl chloride | <0.2 | Dibromochloromethane | <1 |
| Bromomethane | <1 | 1,2-Dibromoethane (EDB) | <1 |
| Chloroethane | <1 | Chlorobenzene | <1 |
| Trichlorofluoromethane | <1 | Ethylbenzene | <1 |
| Acetone | <50 | 1,1,1,2-Tetrachloroethane | <1 |
| 1,1-Dichloroethene | <1 | m,p-Xylene | <2 |
| Hexane | <1 | o-Xylene | <1 |
| Methylene chloride | <5 | Styrene | <1 |
| Methyl t-butyl ether (MTBE) | <1 | Isopropylbenzene | <1 |
| trans-1,2-Dichloroethene | <1 | Bromoform | <1 |
| 1,1-Dichloroethane | <1 | n-Propylbenzene | <1 |
| 2,2-Dichloropropane | <1 | Bromobenzene | <1 |
| cis-1,2-Dichloroethene | <1 | 1,3,5-Trimethylbenzene | <1 |
| Chloroform | <1 | 1,1,2,2-Tetrachloroethane | <1 |
| 2-Butanone (MEK) | <10 ca | 1,2,3-Trichloropropane | <1 |
| 1,2-Dichloroethane (EDC) | <1 | 2-Chlorotoluene | <1 |
| 1,1,1-Trichloroethane | <1 | 4-Chlorotoluene | <1 |
| 1,1-Dichloropropene | <1 | tert-Butylbenzene | <1 |
| Carbon tetrachloride | <1 | 1,2,4-Trimethylbenzene | <1 |
| Benzene | <0.35 | sec-Butylbenzene | <1 |
| Trichloroethene | <1 | p-Isopropyltoluene | <1 |
| 1,2-Dichloropropane | <1 | 1,3-Dichlorobenzene | <1 |
| Bromodichloromethane | <1 | 1,4-Dichlorobenzene | <1 |
| Dibromomethane | <1 | 1,2-Dichlorobenzene | <1 |
| 4-Methyl-2-pentanone | <10 | 1,2-Dibromo-3-chloropropane | <10 |
| cis-1,3-Dichloropropene | <1 | 1,2,4-Trichlorobenzene | <1 |
| Toluene | <1 | Hexachlorobutadiene | <1 |
| trans-1,3-Dichloropropene | <1 | Naphthalene | <1 |
| 1,1,2-Trichloroethane | <1 | 1,2,3-Trichlorobenzene | <1 |
| 2-Hexanone | <10 | | |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | GP-SB-6 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-26 |
| Date Analyzed: | 01/08/20 | Data File: | 010842.D |
| Matrix: | Water | Instrument: | GCMS9 |
| Units: | ug/L (ppb) | Operator: | MS |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | 50 | 150 |
| Toluene-d8 | 97 | 50 | 150 |
| 4-Bromofluorobenzene | 98 | 50 | 150 |

| Compounds: | Concentration ug/L (ppb) | Compounds: | Concentration ug/L (ppb) |
|---|---|---|---|
| Dichlorodifluoromethane | <1 | 1,3-Dichloropropane | <1 |
| Chloromethane | <10 | Tetrachloroethene | <1 |
| Vinyl chloride | <0.2 | Dibromochloromethane | <1 |
| Bromomethane | <1 | 1,2-Dibromoethane (EDB) | <1 |
| Chloroethane | <1 | Chlorobenzene | <1 |
| Trichlorofluoromethane | <1 | Ethylbenzene | <1 |
| Acetone | <50 | 1,1,1,2-Tetrachloroethane | <1 |
| 1,1-Dichloroethene | <1 | m,p-Xylene | <2 |
| Hexane | <1 | o-Xylene | <1 |
| Methylene chloride | <5 | Styrene | <1 |
| Methyl t-butyl ether (MTBE) | <1 | Isopropylbenzene | <1 |
| trans-1,2-Dichloroethene | <1 | Bromoform | <1 |
| 1,1-Dichloroethane | <1 | n-Propylbenzene | <1 |
| 2,2-Dichloropropane | <1 | Bromobenzene | <1 |
| cis-1,2-Dichloroethene | <1 | 1,3,5-Trimethylbenzene | <1 |
| Chloroform | <1 | 1,1,2,2-Tetrachloroethane | <1 |
| 2-Butanone (MEK) | <10 ca | 1,2,3-Trichloropropane | <1 |
| 1,2-Dichloroethane (EDC) | <1 | 2-Chlorotoluene | <1 |
| 1,1,1-Trichloroethane | <1 | 4-Chlorotoluene | <1 |
| 1,1-Dichloropropene | <1 | tert-Butylbenzene | <1 |
| Carbon tetrachloride | <1 | 1,2,4-Trimethylbenzene | <1 |
| Benzene | <0.35 | sec-Butylbenzene | <1 |
| Trichloroethene | <1 | p-Isopropyltoluene | <1 |
| 1,2-Dichloropropane | <1 | 1,3-Dichlorobenzene | <1 |
| Bromodichloromethane | <1 | 1,4-Dichlorobenzene | <1 |
| Dibromomethane | <1 | 1,2-Dichlorobenzene | <1 |
| 4-Methyl-2-pentanone | <10 | 1,2-Dibromo-3-chloropropane | <10 |
| cis-1,3-Dichloropropene | <1 | 1,2,4-Trichlorobenzene | <1 |
| Toluene | <1 | Hexachlorobutadiene | <1 |
| trans-1,3-Dichloropropene | <1 | Naphthalene | <1 |
| 1,1,2-Trichloroethane | <1 | 1,2,3-Trichlorobenzene | <1 |
| 2-Hexanone | <10 | | |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | Method Blank | Client: | Crete Consulting |
| Date Received: | Not Applicable | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 00-026 mb |
| Date Analyzed: | 01/08/20 | Data File: | 010835.D |
| Matrix: | Water | Instrument: | GCMS9 |
| Units: | ug/L (ppb) | Operator: | MS |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | 50 | 150 |
| Toluene-d8 | 98 | 50 | 150 |
| 4-Bromofluorobenzene | 99 | 50 | 150 |

| Compounds: | Concentration ug/L (ppb) | Compounds: | Concentration ug/L (ppb) |
|---|---|---|---|
| Dichlorodifluoromethane | <1 | 1,3-Dichloropropane | <1 |
| Chloromethane | <10 | Tetrachloroethene | <1 |
| Vinyl chloride | <0.2 | Dibromochloromethane | <1 |
| Bromomethane | <1 | 1,2-Dibromoethane (EDB) | <1 |
| Chloroethane | <1 | Chlorobenzene | <1 |
| Trichlorofluoromethane | <1 | Ethylbenzene | <1 |
| Acetone | <50 | 1,1,1,2-Tetrachloroethane | <1 |
| 1,1-Dichloroethene | <1 | m,p-Xylene | <2 |
| Hexane | <1 | o-Xylene | <1 |
| Methylene chloride | <5 | Styrene | <1 |
| Methyl t-butyl ether (MTBE) | <1 | Isopropylbenzene | <1 |
| trans-1,2-Dichloroethene | <1 | Bromoform | <1 |
| 1,1-Dichloroethane | <1 | n-Propylbenzene | <1 |
| 2,2-Dichloropropane | <1 | Bromobenzene | <1 |
| cis-1,2-Dichloroethene | <1 | 1,3,5-Trimethylbenzene | <1 |
| Chloroform | <1 | 1,1,2,2-Tetrachloroethane | <1 |
| 2-Butanone (MEK) | <10 ca | 1,2,3-Trichloropropane | <1 |
| 1,2-Dichloroethane (EDC) | <1 | 2-Chlorotoluene | <1 |
| 1,1,1-Trichloroethane | <1 | 4-Chlorotoluene | <1 |
| 1,1-Dichloropropene | <1 | tert-Butylbenzene | <1 |
| Carbon tetrachloride | <1 | 1,2,4-Trimethylbenzene | <1 |
| Benzene | <0.35 | sec-Butylbenzene | <1 |
| Trichloroethene | <1 | p-Isopropyltoluene | <1 |
| 1,2-Dichloropropane | <1 | 1,3-Dichlorobenzene | <1 |
| Bromodichloromethane | <1 | 1,4-Dichlorobenzene | <1 |
| Dibromomethane | <1 | 1,2-Dichlorobenzene | <1 |
| 4-Methyl-2-pentanone | <10 | 1,2-Dibromo-3-chloropropane | <10 |
| cis-1,3-Dichloropropene | <1 | 1,2,4-Trichlorobenzene | <1 |
| Toluene | <1 | Hexachlorobutadiene | <1 |
| trans-1,3-Dichloropropene | <1 | Naphthalene | <1 |
| 1,1,2-Trichloroethane | <1 | 1,2,3-Trichlorobenzene | <1 |
| 2-Hexanone | <10 | | |

## Analysis For Semivolatile Compounds By EPA Method 8270D SIM

| | | | |
|---|---|---|---|
| Client Sample ID: | Drum-1-0120 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/06/20 | Lab ID: | 001037-12 1/5 |
| Date Analyzed: | 01/07/20 | Data File: | 010715.D |
| Matrix: | Soil | Instrument: | GCMS6 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | YA |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| Anthracene-d10 | 73 | 31 | 163 |
| Benzo(a)anthracene-d12 | 80 | 24 | 168 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Naphthalene | <0.01 |
| Acenaphthylene | <0.01 |
| Acenaphthene | <0.01 |
| Fluorene | <0.01 |
| Phenanthrene | <0.01 |
| Anthracene | <0.01 |
| Fluoranthene | <0.01 |
| Pyrene | <0.01 |
| Benz(a)anthracene | <0.01 |
| Chrysene | <0.01 |
| Benzo(a)pyrene | <0.01 |
| Benzo(b)fluoranthene | <0.01 |
| Benzo(k)fluoranthene | <0.01 |
| Indeno(1,2,3-cd)pyrene | <0.01 |
| Dibenz(a,h)anthracene | <0.01 |
| Benzo(g,h,i)perylene | <0.01 |

## Analysis For Semivolatile Compounds By EPA Method 8270D SIM

| | | | |
|---|---|---|---|
| Client Sample ID: | Method Blank | Client: | Crete Consulting |
| Date Received: | Not Applicable | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/06/20 | Lab ID: | 00-061 mb 1/5 |
| Date Analyzed: | 01/06/20 | Data File: | 010615.D |
| Matrix: | Soil | Instrument: | GCMS6 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | VM |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| Anthracene-d10 | 77 | 31 | 163 |
| Benzo(a)anthracene-d12 | 88 | 24 | 168 |

| Compounds: | Concentration mg/kg (ppm) |
|---|---|
| Naphthalene | <0.01 |
| Acenaphthylene | <0.01 |
| Acenaphthene | <0.01 |
| Fluorene | <0.01 |
| Phenanthrene | <0.01 |
| Anthracene | <0.01 |
| Fluoranthene | <0.01 |
| Pyrene | <0.01 |
| Benz(a)anthracene | <0.01 |
| Chrysene | <0.01 |
| Benzo(a)pyrene | <0.01 |
| Benzo(b)fluoranthene | <0.01 |
| Benzo(k)fluoranthene | <0.01 |
| Indeno(1,2,3-cd)pyrene | <0.01 |
| Dibenz(a,h)anthracene | <0.01 |
| Benzo(g,h,i)perylene | <0.01 |

Date of Report: 01/14/20
Date Received: 01/03/20
Project: Dawn Food, F&BI 001037

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 001057-01 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|---|---|---|---|---|
| Gasoline | mg/kg (ppm) | <5 | 15 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|---|---|---|---|---|
| Gasoline | mg/kg (ppm) | 20 | 95 | 71-131 |

Date of Report: 01/14/20
Date Received: 01/03/20
Project: Dawn Food, F&BI 001037

## QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 001045-01 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result (Wet Wt) | Percent Recovery MS | Percent Recovery MSD | Acceptance Criteria | RPD (Limit 20) |
|---|---|---|---|---|---|---|---|
| Diesel Extended | mg/kg (ppm) | 5,000 | <50 | 100 | 108 | 64-133 | 8 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|---|---|---|---|---|
| Diesel Extended | mg/kg (ppm) | 5,000 | 106 | 58-147 |

Date of Report: 01/14/20
Date Received: 01/03/20
Project: Dawn Food, F&BI 001037

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 001056-01 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result | Percent Recovery MS | Percent Recovery MSD | Acceptance Criteria | RPD (Limit 20) |
|---|---|---|---|---|---|---|---|
| Arsenic | ug/L (ppb) | 10 | <1 | 116 | 115 | 75-125 | 1 |
| Cadmium | ug/L (ppb) | 5 | <1 | 96 | 94 | 75-125 | 2 |
| Copper | ug/L (ppb) | 20 | 27.3 | 92 | 87 | 75-125 | 6 |
| Lead | ug/L (ppb) | 10 | 1.62 | 98 | 97 | 75-125 | 1 |
| Mercury | ug/L (ppb) | 5 | <1 | 98 | 98 | 75-125 | 0 |
| Nickel | ug/L (ppb) | 20 | 5.40 | 93 | 89 | 75-125 | 4 |
| Zinc | ug/L (ppb) | 50 | 43.7 | 90 | 79 | 75-125 | 13 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|---|---|---|---|---|
| Arsenic | ug/L (ppb) | 10 | 100 | 80-120 |
| Cadmium | ug/L (ppb) | 5 | 104 | 80-120 |
| Copper | ug/L (ppb) | 20 | 97 | 80-120 |
| Lead | ug/L (ppb) | 10 | 98 | 80-120 |
| Mercury | ug/L (ppb) | 5 | 94 | 80-120 |
| Nickel | ug/L (ppb) | 20 | 97 | 80-120 |
| Zinc | ug/L (ppb) | 50 | 99 | 80-120 |

Date of Report: 01/14/20
Date Received: 01/03/20
Project: Dawn Food, F&BI 001037

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED METALS USING EPA METHOD 6020B

Laboratory Code: 001056-01 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result | Percent Recovery MS | Percent Recovery MSD | Acceptance Criteria | RPD (Limit 20) |
|---|---|---|---|---|---|---|---|
| Arsenic | ug/L (ppb) | 10 | <1 | 116 | 115 | 75-125 | 1 |
| Cadmium | ug/L (ppb) | 5 | <1 | 96 | 94 | 75-125 | 2 |
| Copper | ug/L (ppb) | 20 | 27.3 | 92 | 87 | 75-125 | 6 |
| Lead | ug/L (ppb) | 10 | 1.62 | 98 | 97 | 75-125 | 1 |
| Mercury | ug/L (ppb) | 5 | <1 | 98 | 98 | 75-125 | 0 |
| Nickel | ug/L (ppb) | 20 | 5.40 | 93 | 89 | 75-125 | 4 |
| Zinc | ug/L (ppb) | 50 | 43.7 | 90 | 79 | 75-125 | 13 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|---|---|---|---|---|
| Arsenic | ug/L (ppb) | 10 | 100 | 80-120 |
| Cadmium | ug/L (ppb) | 5 | 104 | 80-120 |
| Copper | ug/L (ppb) | 20 | 97 | 80-120 |
| Lead | ug/L (ppb) | 10 | 98 | 80-120 |
| Mercury | ug/L (ppb) | 5 | 94 | 80-120 |
| Nickel | ug/L (ppb) | 20 | 97 | 80-120 |
| Zinc | ug/L (ppb) | 50 | 99 | 80-120 |

Date of Report: 01/14/20
Date Received: 01/03/20
Project: Dawn Food, F&BI 001037

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 001043-01 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result (Wet wt) | Percent Recovery MS | Percent Recovery MSD | Acceptance Criteria | RPD (Limit 20) |
|---|---|---|---|---|---|---|---|
| Arsenic | mg/kg (ppm) | 10 | 1.75 | 87 | 90 | 75-125 | 3 |
| Cadmium | mg/kg (ppm) | 10 | <1 | 96 | 97 | 75-125 | 1 |
| Copper | mg/kg (ppm) | 50 | 11.1 | 75 | 78 | 75-125 | 4 |
| Lead | mg/kg (ppm) | 50 | 6.51 | 105 | 94 | 75-125 | 11 |
| Mercury | mg/kg (ppm | 5 | <1 | 93 | 89 | 75-125 | 4 |
| Nickel | mg/kg (ppm) | 25 | 16.5 | 80 | 89 | 75-125 | 11 |
| Zinc | mg/kg (ppm) | 50 | 26.1 | 95 | 91 | 75-125 | 4 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|---|---|---|---|---|
| Arsenic | mg/kg (ppm) | 10 | 85 | 80-120 |
| Cadmium | mg/kg (ppm) | 10 | 97 | 80-120 |
| Copper | mg/kg (ppm) | 50 | 96 | 80-120 |
| Lead | mg/kg (ppm) | 50 | 100 | 80-120 |
| Mercury | mg/kg (ppm) | 5 | 81 | 80-120 |
| Nickel | mg/kg (ppm) | 25 | 97 | 80-120 |
| Zinc | mg/kg (ppm) | 50 | 101 | 80-120 |

Date of Report: 01/14/20
Date Received: 01/03/20
Project: Dawn Food, F&BI 001037

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 001067-07 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result (Wet wt) | Percent Recovery MS | Percent Recovery MSD | Acceptance Criteria | RPD (Limit 20) |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | mg/kg (ppm) | 2.5 | <0.5 | 18 | 19 | 10-142 | 5 |
| Chloromethane | mg/kg (ppm) | 2.5 | <0.5 | 49 | 50 | 10-126 | 2 |
| Vinyl chloride | mg/kg (ppm) | 2.5 | <0.05 | 49 | 50 | 10-138 | 2 |
| Bromomethane | mg/kg (ppm) | 2.5 | <0.5 | 72 | 71 | 10-163 | 1 |
| Chloroethane | mg/kg (ppm) | 2.5 | <0.5 | 67 | 67 | 10-176 | 0 |
| Trichlorofluoromethane | mg/kg (ppm) | 2.5 | <0.5 | 61 | 61 | 10-176 | 0 |
| Acetone | mg/kg (ppm) | 12.5 | <0.5 | 87 | 87 | 10-163 | 0 |
| 1,1-Dichloroethene | mg/kg (ppm) | 2.5 | <0.05 | 71 | 72 | 10-160 | 1 |
| Hexane | mg/kg (ppm) | 2.5 | <0.25 | 57 | 56 | 10-137 | 2 |
| Methylene chloride | mg/kg (ppm) | 2.5 | <0.5 | 88 | 89 | 10-156 | 1 |
| Methyl t-butyl ether (MTBE) | mg/kg (ppm) | 2.5 | <0.05 | 89 | 89 | 21-145 | 0 |
| trans-1,2-Dichloroethene | mg/kg (ppm) | 2.5 | <0.05 | 80 | 80 | 14-137 | 0 |
| 1,1-Dichloroethane | mg/kg (ppm) | 2.5 | <0.05 | 83 | 83 | 19-140 | 0 |
| 2,2-Dichloropropane | mg/kg (ppm) | 2.5 | <0.05 | 87 | 86 | 10-158 | 1 |
| cis-1,2-Dichloroethene | mg/kg (ppm) | 2.5 | <0.05 | 89 | 89 | 25-135 | 0 |
| Chloroform | mg/kg (ppm) | 2.5 | <0.05 | 88 | 87 | 21-145 | 1 |
| 2-Butanone (MEK) | mg/kg (ppm) | 12.5 | <0.5 | 87 | 88 | 19-147 | 1 |
| 1,2-Dichloroethane (EDC) | mg/kg (ppm) | 2.5 | <0.05 | 89 | 87 | 12-160 | 2 |
| 1,1,1-Trichloroethane | mg/kg (ppm) | 2.5 | <0.05 | 85 | 85 | 10-156 | 0 |
| 1,1-Dichloropropene | mg/kg (ppm) | 2.5 | <0.05 | 83 | 81 | 17-140 | 2 |
| Carbon tetrachloride | mg/kg (ppm) | 2.5 | <0.05 | 85 | 84 | 9-164 | 1 |
| Benzene | mg/kg (ppm) | 2.5 | <0.03 | 86 | 85 | 29-129 | 1 |
| Trichloroethene | mg/kg (ppm) | 2.5 | <0.02 | 87 | 86 | 21-139 | 1 |
| 1,2-Dichloropropane | mg/kg (ppm) | 2.5 | <0.05 | 88 | 87 | 30-135 | 1 |
| Bromodichloromethane | mg/kg (ppm) | 2.5 | <0.05 | 90 | 90 | 23-155 | 0 |
| Dibromomethane | mg/kg (ppm) | 2.5 | <0.05 | 87 | 87 | 23-145 | 0 |
| 4-Methyl-2-pentanone | mg/kg (ppm) | 12.5 | <0.5 | 92 | 90 | 24-155 | 2 |
| cis-1,3-Dichloropropene | mg/kg (ppm) | 2.5 | <0.05 | 91 | 90 | 28-144 | 1 |
| Toluene | mg/kg (ppm) | 2.5 | <0.05 | 82 | 81 | 35-130 | 1 |
| trans-1,3-Dichloropropene | mg/kg (ppm) | 2.5 | <0.05 | 82 | 82 | 26-149 | 0 |
| 1,1,2-Trichloroethane | mg/kg (ppm) | 2.5 | <0.05 | 84 | 83 | 10-205 | 1 |
| 2-Hexanone | mg/kg (ppm) | 12.5 | <0.5 | 87 | 84 | 15-166 | 4 |
| 1,3-Dichloropropane | mg/kg (ppm) | 2.5 | <0.05 | 85 | 84 | 31-137 | 1 |
| Tetrachloroethene | mg/kg (ppm) | 2.5 | <0.025 | 87 | 86 | 20-133 | 1 |
| Dibromochloromethane | mg/kg (ppm) | 2.5 | <0.05 | 85 | 84 | 28-150 | 1 |
| 1,2-Dibromoethane (EDB) | mg/kg (ppm) | 2.5 | <0.05 | 83 | 82 | 28-142 | 1 |
| Chlorobenzene | mg/kg (ppm) | 2.5 | <0.05 | 84 | 83 | 32-129 | 1 |
| Ethylbenzene | mg/kg (ppm) | 2.5 | <0.05 | 84 | 83 | 32-137 | 1 |
| 1,1,1,2-Tetrachloroethane | mg/kg (ppm) | 2.5 | <0.05 | 90 | 89 | 31-143 | 1 |
| m,p-Xylene | mg/kg (ppm) | 5 | <0.1 | 86 | 85 | 34-136 | 1 |
| o-Xylene | mg/kg (ppm) | 2.5 | <0.05 | 84 | 83 | 33-134 | 1 |
| Styrene | mg/kg (ppm) | 2.5 | <0.05 | 86 | 85 | 35-137 | 1 |
| Isopropylbenzene | mg/kg (ppm) | 2.5 | <0.05 | 87 | 86 | 31-142 | 1 |
| Bromoform | mg/kg (ppm) | 2.5 | <0.05 | 86 | 83 | 21-156 | 4 |
| n-Propylbenzene | mg/kg (ppm) | 2.5 | <0.05 | 85 | 84 | 23-146 | 1 |
| Bromobenzene | mg/kg (ppm) | 2.5 | <0.05 | 82 | 80 | 34-130 | 2 |
| 1,3,5-Trimethylbenzene | mg/kg (ppm) | 2.5 | <0.05 | 86 | 85 | 18-149 | 1 |
| 1,1,2,2-Tetrachloroethane | mg/kg (ppm) | 2.5 | <0.05 | 86 | 82 | 28-140 | 5 |
| 1,2,3-Trichloropropane | mg/kg (ppm) | 2.5 | <0.05 | 86 | 84 | 25-144 | 2 |
| 2-Chlorotoluene | mg/kg (ppm) | 2.5 | <0.05 | 86 | 84 | 31-134 | 2 |
| 4-Chlorotoluene | mg/kg (ppm) | 2.5 | <0.05 | 82 | 80 | 31-136 | 2 |
| tert-Butylbenzene | mg/kg (ppm) | 2.5 | <0.05 | 88 | 85 | 30-137 | 3 |
| 1,2,4-Trimethylbenzene | mg/kg (ppm) | 2.5 | <0.05 | 83 | 82 | 10-182 | 1 |
| sec-Butylbenzene | mg/kg (ppm) | 2.5 | <0.05 | 86 | 84 | 23-145 | 2 |
| p-Isopropyltoluene | mg/kg (ppm) | 2.5 | <0.05 | 85 | 84 | 21-149 | 1 |
| 1,3-Dichlorobenzene | mg/kg (ppm) | 2.5 | <0.05 | 84 | 82 | 30-131 | 2 |
| 1,4-Dichlorobenzene | mg/kg (ppm) | 2.5 | <0.05 | 85 | 82 | 29-129 | 4 |
| 1,2-Dichlorobenzene | mg/kg (ppm) | 2.5 | <0.05 | 86 | 84 | 31-132 | 2 |
| 1,2-Dibromo-3-chloropropane | mg/kg (ppm) | 2.5 | <0.5 | 82 | 81 | 11-161 | 1 |
| 1,2,4-Trichlorobenzene | mg/kg (ppm) | 2.5 | <0.25 | 96 | 92 | 22-142 | 4 |
| Hexachlorobutadiene | mg/kg (ppm) | 2.5 | <0.25 | 83 | 82 | 10-142 | 1 |
| Naphthalene | mg/kg (ppm) | 2.5 | <0.05 | 93 | 90 | 14-157 | 3 |
| 1,2,3-Trichlorobenzene | mg/kg (ppm) | 2.5 | <0.25 | 84 | 83 | 20-144 | 1 |

Date of Report: 01/14/20
Date Received: 01/03/20
Project: Dawn Food, F&BI 001037

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Percent Recovery LCSD | Acceptance Criteria | RPD (Limit 20) |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | mg/kg (ppm) | 2.5 | 45 | 45 | 10-146 | 0 |
| Chloromethane | mg/kg (ppm) | 2.5 | 75 | 75 | 27-133 | 0 |
| Vinyl chloride | mg/kg (ppm) | 2.5 | 74 | 74 | 22-139 | 0 |
| Bromomethane | mg/kg (ppm) | 2.5 | 90 | 90 | 38-114 | 0 |
| Chloroethane | mg/kg (ppm) | 2.5 | 88 | 88 | 9-163 | 0 |
| Trichlorofluoromethane | mg/kg (ppm) | 2.5 | 90 | 90 | 10-196 | 0 |
| Acetone | mg/kg (ppm) | 12.5 | 93 | 93 | 52-141 | 0 |
| 1,1-Dichloroethene | mg/kg (ppm) | 2.5 | 89 | 89 | 47-128 | 0 |
| Hexane | mg/kg (ppm) | 2.5 | 93 | 93 | 43-142 | 0 |
| Methylene chloride | mg/kg (ppm) | 2.5 | 103 | 103 | 42-132 | 0 |
| Methyl t-butyl ether (MTBE) | mg/kg (ppm) | 2.5 | 98 | 98 | 60-123 | 0 |
| trans-1,2-Dichloroethene | mg/kg (ppm) | 2.5 | 95 | 95 | 67-129 | 0 |
| 1,1-Dichloroethane | mg/kg (ppm) | 2.5 | 95 | 95 | 68-115 | 0 |
| 2,2-Dichloropropane | mg/kg (ppm) | 2.5 | 99 | 99 | 52-170 | 0 |
| cis-1,2-Dichloroethene | mg/kg (ppm) | 2.5 | 99 | 99 | 72-127 | 0 |
| Chloroform | mg/kg (ppm) | 2.5 | 98 | 98 | 66-120 | 0 |
| 2-Butanone (MEK) | mg/kg (ppm) | 12.5 | 98 | 98 | 72-127 | 0 |
| 1,2-Dichloroethane (EDC) | mg/kg (ppm) | 2.5 | 99 | 99 | 56-135 | 0 |
| 1,1,1-Trichloroethane | mg/kg (ppm) | 2.5 | 98 | 98 | 62-131 | 0 |
| 1,1-Dichloropropene | mg/kg (ppm) | 2.5 | 96 | 96 | 69-128 | 0 |
| Carbon tetrachloride | mg/kg (ppm) | 2.5 | 98 | 98 | 60-139 | 0 |
| Benzene | mg/kg (ppm) | 2.5 | 96 | 96 | 68-114 | 0 |
| Trichloroethene | mg/kg (ppm) | 2.5 | 97 | 97 | 64-117 | 0 |
| 1,2-Dichloropropane | mg/kg (ppm) | 2.5 | 98 | 98 | 72-127 | 0 |
| Bromodichloromethane | mg/kg (ppm) | 2.5 | 99 | 99 | 72-130 | 0 |
| Dibromomethane | mg/kg (ppm) | 2.5 | 95 | 95 | 70-120 | 0 |
| 4-Methyl-2-pentanone | mg/kg (ppm) | 12.5 | 98 | 98 | 45-145 | 0 |
| cis-1,3-Dichloropropene | mg/kg (ppm) | 2.5 | 100 | 100 | 75-136 | 0 |
| Toluene | mg/kg (ppm) | 2.5 | 91 | 91 | 66-126 | 0 |
| trans-1,3-Dichloropropene | mg/kg (ppm) | 2.5 | 90 | 90 | 72-132 | 0 |
| 1,1,2-Trichloroethane | mg/kg (ppm) | 2.5 | 91 | 91 | 75-113 | 0 |
| 2-Hexanone | mg/kg (ppm) | 12.5 | 95 | 95 | 33-152 | 0 |
| 1,3-Dichloropropane | mg/kg (ppm) | 2.5 | 94 | 94 | 72-130 | 0 |
| Tetrachloroethene | mg/kg (ppm) | 2.5 | 96 | 96 | 72-114 | 0 |
| Dibromochloromethane | mg/kg (ppm) | 2.5 | 94 | 94 | 74-125 | 0 |
| 1,2-Dibromoethane (EDB) | mg/kg (ppm) | 2.5 | 91 | 91 | 74-132 | 0 |
| Chlorobenzene | mg/kg (ppm) | 2.5 | 91 | 91 | 76-111 | 0 |
| Ethylbenzene | mg/kg (ppm) | 2.5 | 93 | 93 | 64-123 | 0 |
| 1,1,1,2-Tetrachloroethane | mg/kg (ppm) | 2.5 | 98 | 98 | 69-135 | 0 |
| m,p-Xylene | mg/kg (ppm) | 5 | 93 | 93 | 78-122 | 0 |
| o-Xylene | mg/kg (ppm) | 2.5 | 90 | 90 | 77-124 | 0 |
| Styrene | mg/kg (ppm) | 2.5 | 95 | 95 | 74-126 | 0 |
| Isopropylbenzene | mg/kg (ppm) | 2.5 | 95 | 95 | 76-127 | 0 |
| Bromoform | mg/kg (ppm) | 2.5 | 93 | 93 | 56-132 | 0 |
| n-Propylbenzene | mg/kg (ppm) | 2.5 | 92 | 92 | 74-124 | 0 |
| Bromobenzene | mg/kg (ppm) | 2.5 | 87 | 87 | 72-122 | 0 |
| 1,3,5-Trimethylbenzene | mg/kg (ppm) | 2.5 | 92 | 92 | 76-126 | 0 |
| 1,1,2,2-Tetrachloroethane | mg/kg (ppm) | 2.5 | 90 | 90 | 56-143 | 0 |
| 1,2,3-Trichloropropane | mg/kg (ppm) | 2.5 | 91 | 91 | 61-137 | 0 |
| 2-Chlorotoluene | mg/kg (ppm) | 2.5 | 92 | 92 | 74-121 | 0 |
| 4-Chlorotoluene | mg/kg (ppm) | 2.5 | 88 | 88 | 75-122 | 0 |
| tert-Butylbenzene | mg/kg (ppm) | 2.5 | 92 | 92 | 73-130 | 0 |
| 1,2,4-Trimethylbenzene | mg/kg (ppm) | 2.5 | 88 | 88 | 76-125 | 0 |
| sec-Butylbenzene | mg/kg (ppm) | 2.5 | 92 | 92 | 71-130 | 0 |
| p-Isopropyltoluene | mg/kg (ppm) | 2.5 | 91 | 91 | 70-132 | 0 |
| 1,3-Dichlorobenzene | mg/kg (ppm) | 2.5 | 90 | 90 | 75-121 | 0 |
| 1,4-Dichlorobenzene | mg/kg (ppm) | 2.5 | 89 | 89 | 74-117 | 0 |
| 1,2-Dichlorobenzene | mg/kg (ppm) | 2.5 | 92 | 92 | 76-121 | 0 |
| 1,2-Dibromo-3-chloropropane | mg/kg (ppm) | 2.5 | 86 | 86 | 58-138 | 0 |
| 1,2,4-Trichlorobenzene | mg/kg (ppm) | 2.5 | 100 | 100 | 64-135 | 0 |
| Hexachlorobutadiene | mg/kg (ppm) | 2.5 | 89 | 89 | 50-153 | 0 |
| Naphthalene | mg/kg (ppm) | 2.5 | 98 | 98 | 63-140 | 0 |
| 1,2,3-Trichlorobenzene | mg/kg (ppm) | 2.5 | 90 | 90 | 63-138 | 0 |

Date of Report: 01/14/20
Date Received: 01/03/20
Project: Dawn Food, F&BI 001037

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 001056-03 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result | Percent Recovery MS | Acceptance Criteria |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | ug/L (ppb) | 50 | <1 | 76 | 55-137 |
| Chloromethane | ug/L (ppb) | 50 | <10 | 77 | 57-129 |
| Vinyl chloride | ug/L (ppb) | 50 | <0.2 | 91 | 61-139 |
| Bromomethane | ug/L (ppb) | 50 | <1 | 79 | 20-265 |
| Chloroethane | ug/L (ppb) | 50 | <1 | 78 | 55-149 |
| Trichlorofluoromethane | ug/L (ppb) | 50 | <1 | 90 | 65-137 |
| Acetone | ug/L (ppb) | 250 | <50 | 84 | 48-149 |
| 1,1-Dichloroethene | ug/L (ppb) | 50 | <1 | 87 | 71-123 |
| Hexane | ug/L (ppb) | 50 | <1 | 95 | 44-139 |
| Methylene chloride | ug/L (ppb) | 50 | <5 | 106 | 61-126 |
| Methyl t-butyl ether (MTBE) | ug/L (ppb) | 50 | <1 | 103 | 68-125 |
| trans-1,2-Dichloroethene | ug/L (ppb) | 50 | <1 | 97 | 72-122 |
| 1,1-Dichloroethane | ug/L (ppb) | 50 | <1 | 98 | 79-113 |
| 2,2-Dichloropropane | ug/L (ppb) | 50 | <1 | 102 | 48-157 |
| cis-1,2-Dichloroethene | ug/L (ppb) | 50 | <1 | 99 | 63-126 |
| Chloroform | ug/L (ppb) | 50 | <1 | 99 | 77-117 |
| 2-Butanone (MEK) | ug/L (ppb) | 250 | <10 | 74 | 70-135 |
| 1,2-Dichloroethane (EDC) | ug/L (ppb) | 50 | <1 | 103 | 70-119 |
| 1,1,1-Trichloroethane | ug/L (ppb) | 50 | <1 | 103 | 75-121 |
| 1,1-Dichloropropene | ug/L (ppb) | 50 | <1 | 98 | 67-121 |
| Carbon tetrachloride | ug/L (ppb) | 50 | <1 | 107 | 70-132 |
| Benzene | ug/L (ppb) | 50 | <0.35 | 97 | 75-114 |
| Trichloroethene | ug/L (ppb) | 50 | 2.4 | 100 | 73-122 |
| 1,2-Dichloropropane | ug/L (ppb) | 50 | <1 | 99 | 80-111 |
| Bromodichloromethane | ug/L (ppb) | 50 | <1 | 108 | 78-117 |
| Dibromomethane | ug/L (ppb) | 50 | <1 | 94 | 73-125 |
| 4-Methyl-2-pentanone | ug/L (ppb) | 250 | <10 | 104 | 79-140 |
| cis-1,3-Dichloropropene | ug/L (ppb) | 50 | <1 | 114 | 76-120 |
| Toluene | ug/L (ppb) | 50 | <1 | 103 | 73-117 |
| trans-1,3-Dichloropropene | ug/L (ppb) | 50 | <1 | 98 | 75-122 |
| 1,1,2-Trichloroethane | ug/L (ppb) | 50 | <1 | 110 | 81-116 |
| 2-Hexanone | ug/L (ppb) | 250 | <10 | 104 | 74-127 |
| 1,3-Dichloropropane | ug/L (ppb) | 50 | <1 | 108 | 80-113 |
| Tetrachloroethene | ug/L (ppb) | 50 | <1 | 96 | 40-155 |
| Dibromochloromethane | ug/L (ppb) | 50 | <1 | 99 | 69-129 |
| 1,2-Dibromoethane (EDB) | ug/L (ppb) | 50 | <1 | 97 | 79-120 |
| Chlorobenzene | ug/L (ppb) | 50 | <1 | 99 | 75-115 |
| Ethylbenzene | ug/L (ppb) | 50 | <1 | 101 | 66-124 |
| 1,1,1,2-Tetrachloroethane | ug/L (ppb) | 50 | <1 | 112 | 76-130 |
| m,p-Xylene | ug/L (ppb) | 100 | <2 | 101 | 63-128 |
| o-Xylene | ug/L (ppb) | 50 | <1 | 105 | 64-129 |
| Styrene | ug/L (ppb) | 50 | <1 | 106 | 56-142 |
| Isopropylbenzene | ug/L (ppb) | 50 | <1 | 100 | 74-122 |
| Bromoform | ug/L (ppb) | 50 | <1 | 111 | 49-138 |
| n-Propylbenzene | ug/L (ppb) | 50 | <1 | 105 | 65-129 |
| Bromobenzene | ug/L (ppb) | 50 | <1 | 103 | 70-121 |
| 1,3,5-Trimethylbenzene | ug/L (ppb) | 50 | <1 | 109 | 60-138 |
| 1,1,2,2-Tetrachloroethane | ug/L (ppb) | 50 | <1 | 114 | 77-120 |
| 1,2,3-Trichloropropane | ug/L (ppb) | 50 | <1 | 102 | 62-125 |
| 2-Chlorotoluene | ug/L (ppb) | 50 | <1 | 104 | 40-159 |
| 4-Chlorotoluene | ug/L (ppb) | 50 | <1 | 105 | 76-122 |
| tert-Butylbenzene | ug/L (ppb) | 50 | <1 | 107 | 74-125 |
| 1,2,4-Trimethylbenzene | ug/L (ppb) | 50 | <1 | 105 | 59-136 |
| sec-Butylbenzene | ug/L (ppb) | 50 | <1 | 109 | 69-127 |
| p-Isopropyltoluene | ug/L (ppb) | 50 | <1 | 107 | 64-132 |
| 1,3-Dichlorobenzene | ug/L (ppb) | 50 | <1 | 99 | 77-113 |
| 1,4-Dichlorobenzene | ug/L (ppb) | 50 | <1 | 84 | 75-110 |
| 1,2-Dichlorobenzene | ug/L (ppb) | 50 | <1 | 99 | 70-120 |
| 1,2-Dibromo-3-chloropropane | ug/L (ppb) | 50 | <10 | 119 | 69-129 |
| 1,2,4-Trichlorobenzene | ug/L (ppb) | 50 | <1 | 107 | 66-123 |
| Hexachlorobutadiene | ug/L (ppb) | 50 | <1 | 93 | 53-136 |
| Naphthalene | ug/L (ppb) | 50 | <1 | 109 | 60-145 |
| 1,2,3-Trichlorobenzene | ug/L (ppb) | 50 | <1 | 112 | 59-130 |

Date of Report: 01/14/20
Date Received: 01/03/20
Project: Dawn Food, F&BI 001037

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Percent Recovery LCSD | Acceptance Criteria | RPD (Limit 20) |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ug/L (ppb) | 50 | 105 | 117 | 50-157 | 11 |
| Chloromethane | ug/L (ppb) | 50 | 98 | 101 | 62-130 | 3 |
| Vinyl chloride | ug/L (ppb) | 50 | 112 | 117 | 70-128 | 4 |
| Bromomethane | ug/L (ppb) | 50 | 91 | 93 | 60-143 | 2 |
| Chloroethane | ug/L (ppb) | 50 | 93 | 95 | 66-149 | 2 |
| Trichlorofluoromethane | ug/L (ppb) | 50 | 103 | 111 | 65-138 | 7 |
| Acetone | ug/L (ppb) | 250 | 84 | 118 | 44-145 | 34 vo |
| 1,1-Dichloroethene | ug/L (ppb) | 50 | 102 | 111 | 72-121 | 8 |
| Hexane | ug/L (ppb) | 50 | 96 | 94 | 51-153 | 2 |
| Methylene chloride | ug/L (ppb) | 50 | 127 | 119 | 63-132 | 7 |
| Methyl t-butyl ether (MTBE) | ug/L (ppb) | 50 | 111 | 108 | 70-122 | 3 |
| trans-1,2-Dichloroethene | ug/L (ppb) | 50 | 110 | 106 | 76-118 | 4 |
| 1,1-Dichloroethane | ug/L (ppb) | 50 | 111 | 108 | 77-119 | 3 |
| 2,2-Dichloropropane | ug/L (ppb) | 50 | 108 | 104 | 62-141 | 4 |
| cis-1,2-Dichloroethene | ug/L (ppb) | 50 | 111 | 107 | 76-119 | 4 |
| Chloroform | ug/L (ppb) | 50 | 110 | 107 | 78-117 | 3 |
| 2-Butanone (MEK) | ug/L (ppb) | 250 | 67 | 74 | 48-150 | 10 |
| 1,2-Dichloroethane (EDC) | ug/L (ppb) | 50 | 106 | 107 | 75-116 | 1 |
| 1,1,1-Trichloroethane | ug/L (ppb) | 50 | 114 | 107 | 80-116 | 6 |
| 1,1-Dichloropropene | ug/L (ppb) | 50 | 103 | 101 | 78-119 | 2 |
| Carbon tetrachloride | ug/L (ppb) | 50 | 116 | 113 | 72-128 | 3 |
| Benzene | ug/L (ppb) | 50 | 101 | 99 | 75-116 | 2 |
| Trichloroethene | ug/L (ppb) | 50 | 100 | 103 | 72-119 | 3 |
| 1,2-Dichloropropane | ug/L (ppb) | 50 | 92 | 99 | 79-121 | 7 |
| Bromodichloromethane | ug/L (ppb) | 50 | 104 | 111 | 76-120 | 7 |
| Dibromomethane | ug/L (ppb) | 50 | 92 | 96 | 79-121 | 4 |
| 4-Methyl-2-pentanone | ug/L (ppb) | 250 | 102 | 105 | 54-153 | 3 |
| cis-1,3-Dichloropropene | ug/L (ppb) | 50 | 102 | 109 | 76-128 | 7 |
| Toluene | ug/L (ppb) | 50 | 108 | 102 | 79-115 | 6 |
| trans-1,3-Dichloropropene | ug/L (ppb) | 50 | 98 | 95 | 76-128 | 3 |
| 1,1,2-Trichloroethane | ug/L (ppb) | 50 | 112 | 109 | 78-120 | 3 |
| 2-Hexanone | ug/L (ppb) | 250 | 106 | 105 | 49-147 | 1 |
| 1,3-Dichloropropane | ug/L (ppb) | 50 | 109 | 105 | 81-111 | 4 |
| Tetrachloroethene | ug/L (ppb) | 50 | 102 | 96 | 78-109 | 6 |
| Dibromochloromethane | ug/L (ppb) | 50 | 102 | 104 | 63-140 | 2 |
| 1,2-Dibromoethane (EDB) | ug/L (ppb) | 50 | 102 | 103 | 82-118 | 1 |
| Chlorobenzene | ug/L (ppb) | 50 | 100 | 101 | 80-113 | 1 |
| Ethylbenzene | ug/L (ppb) | 50 | 105 | 103 | 83-111 | 2 |
| 1,1,1,2-Tetrachloroethane | ug/L (ppb) | 50 | 119 | 117 | 76-125 | 2 |
| m,p-Xylene | ug/L (ppb) | 100 | 98 | 102 | 81-112 | 4 |
| o-Xylene | ug/L (ppb) | 50 | 104 | 108 | 81-117 | 4 |
| Styrene | ug/L (ppb) | 50 | 101 | 105 | 83-121 | 4 |
| Isopropylbenzene | ug/L (ppb) | 50 | 106 | 109 | 78-118 | 3 |
| Bromoform | ug/L (ppb) | 50 | 108 | 113 | 40-161 | 5 |
| n-Propylbenzene | ug/L (ppb) | 50 | 99 | 102 | 81-115 | 3 |
| Bromobenzene | ug/L (ppb) | 50 | 96 | 100 | 80-113 | 4 |
| 1,3,5-Trimethylbenzene | ug/L (ppb) | 50 | 105 | 106 | 83-117 | 1 |
| 1,1,2,2-Tetrachloroethane | ug/L (ppb) | 50 | 105 | 111 | 79-118 | 6 |
| 1,2,3-Trichloropropane | ug/L (ppb) | 50 | 94 | 101 | 74-116 | 7 |
| 2-Chlorotoluene | ug/L (ppb) | 50 | 100 | 102 | 79-112 | 2 |
| 4-Chlorotoluene | ug/L (ppb) | 50 | 99 | 102 | 80-116 | 3 |
| tert-Butylbenzene | ug/L (ppb) | 50 | 109 | 109 | 81-119 | 0 |
| 1,2,4-Trimethylbenzene | ug/L (ppb) | 50 | 108 | 107 | 81-121 | 1 |
| sec-Butylbenzene | ug/L (ppb) | 50 | 113 | 111 | 83-123 | 2 |
| p-Isopropyltoluene | ug/L (ppb) | 50 | 111 | 109 | 81-117 | 2 |
| 1,3-Dichlorobenzene | ug/L (ppb) | 50 | 101 | 101 | 80-115 | 0 |
| 1,4-Dichlorobenzene | ug/L (ppb) | 50 | 87 | 85 | 77-112 | 2 |
| 1,2-Dichlorobenzene | ug/L (ppb) | 50 | 107 | 100 | 79-115 | 7 |
| 1,2-Dibromo-3-chloropropane | ug/L (ppb) | 50 | 119 | 120 | 62-133 | 1 |
| 1,2,4-Trichlorobenzene | ug/L (ppb) | 50 | 113 | 103 | 75-119 | 9 |
| Hexachlorobutadiene | ug/L (ppb) | 50 | 95 | 88 | 70-116 | 8 |
| Naphthalene | ug/L (ppb) | 50 | 115 | 109 | 72-131 | 5 |
| 1,2,3-Trichlorobenzene | ug/L (ppb) | 50 | 118 | 109 | 74-122 | 8 |

Date of Report: 01/14/20
Date Received: 01/03/20
Project: Dawn Food, F&BI 001037

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR PAHS BY EPA METHOD 8270D SIM

Laboratory Code: 001043-01 1/5 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result (Wet wt) | Percent Recovery MS | Acceptance Criteria |
|---|---|---|---|---|---|
| Naphthalene | mg/kg (ppm) | 0.17 | <0.01 | 77 | 44-129 |
| Acenaphthylene | mg/kg (ppm) | 0.17 | <0.01 | 73 | 52-121 |
| Acenaphthene | mg/kg (ppm) | 0.17 | <0.01 | 79 | 51-123 |
| Fluorene | mg/kg (ppm) | 0.17 | <0.01 | 79 | 37-137 |
| Phenanthrene | mg/kg (ppm) | 0.17 | <0.01 | 80 | 34-141 |
| Anthracene | mg/kg (ppm) | 0.17 | <0.01 | 75 | 32-124 |
| Fluoranthene | mg/kg (ppm) | 0.17 | <0.01 | 78 | 16-160 |
| Pyrene | mg/kg (ppm) | 0.17 | <0.01 | 74 | 10-180 |
| Benz(a)anthracene | mg/kg (ppm) | 0.17 | <0.01 | 78 | 23-144 |
| Chrysene | mg/kg (ppm) | 0.17 | <0.01 | 83 | 32-149 |
| Benzo(b)fluoranthene | mg/kg (ppm) | 0.17 | <0.01 | 66 | 23-176 |
| Benzo(k)fluoranthene | mg/kg (ppm) | 0.17 | <0.01 | 67 | 42-139 |
| Benzo(a)pyrene | mg/kg (ppm) | 0.17 | <0.01 | 59 | 21-163 |
| Indeno(1,2,3-cd)pyrene | mg/kg (ppm) | 0.17 | <0.01 | 64 | 23-170 |
| Dibenz(a,h)anthracene | mg/kg (ppm) | 0.17 | <0.01 | 70 | 31-146 |
| Benzo(g,h,i)perylene | mg/kg (ppm) | 0.17 | <0.01 | 65 | 37-133 |

Laboratory Code: Laboratory Control Sample 1/5

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Percent Recovery LCSD | Acceptance Criteria | RPD (Limit 20) |
|---|---|---|---|---|---|---|
| Naphthalene | mg/kg (ppm) | 0.17 | 85 | 84 | 58-121 | 1 |
| Acenaphthylene | mg/kg (ppm) | 0.17 | 82 | 79 | 54-121 | 4 |
| Acenaphthene | mg/kg (ppm) | 0.17 | 86 | 85 | 54-123 | 1 |
| Fluorene | mg/kg (ppm) | 0.17 | 85 | 83 | 56-127 | 2 |
| Phenanthrene | mg/kg (ppm) | 0.17 | 87 | 86 | 55-122 | 1 |
| Anthracene | mg/kg (ppm) | 0.17 | 82 | 79 | 50-120 | 4 |
| Fluoranthene | mg/kg (ppm) | 0.17 | 81 | 79 | 54-129 | 2 |
| Pyrene | mg/kg (ppm) | 0.17 | 86 | 82 | 53-127 | 5 |
| Benz(a)anthracene | mg/kg (ppm) | 0.17 | 84 | 84 | 51-115 | 0 |
| Chrysene | mg/kg (ppm) | 0.17 | 90 | 91 | 55-129 | 1 |
| Benzo(b)fluoranthene | mg/kg (ppm) | 0.17 | 69 | 67 | 56-123 | 3 |
| Benzo(k)fluoranthene | mg/kg (ppm) | 0.17 | 70 | 70 | 54-131 | 0 |
| Benzo(a)pyrene | mg/kg (ppm) | 0.17 | 64 | 63 | 51-118 | 2 |
| Indeno(1,2,3-cd)pyrene | mg/kg (ppm) | 0.17 | 73 | 75 | 49-148 | 3 |
| Dibenz(a,h)anthracene | mg/kg (ppm) | 0.17 | 78 | 83 | 50-141 | 6 |
| Benzo(g,h,i)perylene | mg/kg (ppm) | 0.17 | 73 | 78 | 52-131 | 7 |

# Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

001037

# SAMPLE CHAIN OF CUSTODY

ME 01-04-20 VS2/ADG/4 AM4/PW4

Page # 1 of 4

Report To Ms. Jamie Stevens

Company Crete Consulting

Address 108 S. WASHINGTON ST., Suite 300

City, State, ZIP Seattle, WA 98104

Phone 206-799-2744 Email jamie.stevens@creteconsulting.com

SAMPLERS (*signature*) PL VB

PROJECT NAME: Dawn Foods

PO #:

REMARKS:

Project specific RLs? - Yes / No

INVOICE TO: Crete

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other
- Default: Dispose after 30 days

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED: NWTPH-Dx | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | | | | | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GP-SB-5-12 | 01A-E | 1.2.20 | 12:20 | SOIL | 5 | | | | | | | | | | | | ARCHIVE |
| GP-SB-1-9 | 02 | | 8:57 | | | | | | - | | | | | | | | |
| GP-SB-4-4 | 03 | | 11:20 | | | | | | | | | | | | | | |
| GP-SB-5-7 | 04 | | 12:15 | | | | | | | | | | | | | | |
| GP-SB-6-4 | 05 | | 12:56 | | | | | | | | | | | | | | |
| GP-SB-4-8 | 06 | | 11:35 | | | | | | | | | | | | | | |
| GP-SB-2-4 | 07 | | 9:25 | | | | | | | | | | | | | | |
| GP-SB-6-10 | 08 | | 13:15 | | | | | | | | | | | | | | |
| GP-SB-7-8 | 09 | | 14:20 | | | | | | | | | | | | | | |
| GP-SB-7-4 | 10 | | 14:10 | | | | | | | | | | | | | | |

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---|---|---|---|---|
| Relinquished by: PL VB | Paul V. Bianco | Crete | 1.3.20 | 13:43 |
| Received by: | VINH | FBI | 1/3/20 | 13:43 |
| Relinquished by: | | | | |
| Received by: | | Samples received at 2 °C | | |

*Friedman & Bruya, Inc.*
*3012 16th Avenue West*
*Seattle, WA 98119-2029*
*Ph. (206) 285-8282*

001037

# SAMPLE CHAIN OF CUSTODY

ME 01-04-20

VS2/AI6/AQ4/VW4

Page # 2 of 4

Report To Ms. Jamie Stevens

Company Crete Consulting

Address 108 S. Washington St., Suite 300

City, State, ZIP Seattle, WA 98104

Phone 206.799.2744 Email jamie.stevens@crete consulting.com

SAMPLERS (signature) PL VB

PROJECT NAME: Dawn Foods

PO #:

REMARKS:

Project specific RLs? - Yes / No

INVOICE TO: Crete

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other
- Default: Dispose after 30 days

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | NWTPH-Dx | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | METALS As Cd Cu Hg Ni Pb Zn | | | | Notes (X-pr 5S 1/6/20) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GP-SB-1-4 | 11 A-E | 1.2.20 | 8:44 | SOIL | 5 | | | | | | | | | | | | ARCHIVE |
| DRUM-1-0120 | 12 | 1.2.20 | 14:45 | SOIL | 5 | X | X | | | X | Y | | X | | | | ~~ARCHIVE~~ |
| GP-SB-3-12 | 13 | 1.2.20 | 10:30 | SOIL | 5 | | | | | | | | | | | | ARCHIVE |
| GP-SB-2-12 | 14 | 1.2.20 | 9:40 | SOIL | 5 | | | | | | | | | | | | ARCHIVE |
| GP-SB-3-4 | 15 | 1.2.20 | 10:20 | SOIL | 5 | | | | | | | | | | | | ARCHIVE |
| GP-SB-1 | 16 | 1.2.20 | 8:55 | WATER | 5 | | | | | X | | | | | | | cVOCs only |
| GP-SB-1-FILTER | 17 | 1.2.20 | 8:55 | WATER | 1 | | | | | | | | | | | | ARCHIVE |
| GP-SB-2 | 18 A-E | 1.2.20 | 9:45 | WATER | 5 | | | | | X | | | | | | | cVOCs only |
| GP-SB-2 FILTER | 19 | 1.2.20 | 9:45 | WATER | 1 | | | | | | | | | | | | ARCHIVE |
| GP-SB-3 | 20 A-E | 1.2.20 | 10:25 | WATER | 5 | | | | | X | | | X | | | | |

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---|---|---|---|---|
| Relinquished by: PL VB | Paul Bianco | Crete | 1.3.20 | 13:43 |
| Received by: | VINH | FBI | 1/3/20 | 13:43 |
| Relinquished by: | | | | |
| Received by: | | Samples received at 2 °C | | |

*Friedman & Bruya, Inc.*
*3012 16th Avenue West*
*Seattle, WA 98119-2029*
*Ph. (206) 285-8282*

001037

# SAMPLE CHAIN OF CUSTODY

ME 01-04-20 VS2/ADG/ADG/VWH

Page # 3 of 4

Report To Ms. Janie Stevens
Company Crete Consulting
Address 108 S. Washington St., Suite 300
City, State, ZIP Seattle, WA 98104
Phone 206-799.2744 Email janie.stevens@cretecountry.com

SAMPLERS (*signature*) P L V B

PROJECT NAME: Dawn Foods

PO #:

REMARKS:

Project specific RLs? - Yes / No

INVOICE TO: Crete

TURNAROUND TIME
☑ Standard turnaround
☐ RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
☐ Archive samples
☐ Other
Default: Dispose after 30 days

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | NWTPH-Dx | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | METALS; As Cd Cu Hg Ni Pb Zn | | | | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GP-SB-3-FILTER | 21 | 1.2.20 | 10:25 | WATER | 1 | | | | | | | | X | | | | DISSOLVED METALS |
| GP-SB-4 | 22A-E | | 11:35 | | 5 | | | | | | | | | | | | ARCHIVE |
| GP-SB-4-FILTER | 23 | | 11:35 | | 1 | | | | | | | | | | | | ARCHIVE |
| GP-SB-5 | 24A-E | | 12:15 | | 5 | | | | | X | | | X | | | | |
| GP-SB-5-FILTER | 25 | | 12:15 | | 1 | | | | | | | | X | | | | DISSOLVED METALS |
| GP-SB-6 | 26A-E | | 13:15 | | 5 | | | | | X | | | X | | | | |
| GP-SB-6-FILTER | 27 | | 13:15 | | 1 | | | | | | | | X | | | | DISSOLVED METALS |
| GP-SB-7 | 28A-E | | 14:25 | | 5 | | | | | | | | | | | | ARCHIVE |
| GP-SB-7-FILTER | 29 | | 14:25 | | 1 | | | | | | | | | | | | ARCHIVE |
| GP-SB-99 | 30 AE | | 14:45 | | 5 | | | | | | | | | | | | ARCHWE |

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---|---|---|---|---|
| Relinquished by: P L V B | Paul Bianco | Crete | 1.3.20 | 13:43 |
| Received by: | VWH | FBI | 1/3/20 | 1343 |
| Relinquished by: | | | | |
| Received by: | | Samples received at 2 °C | | |

*Friedman & Bruya, Inc.*
*3012 16th Avenue West*
*Seattle, WA 98119-2029*
*Ph. (206) 285-8282*

001037

# SAMPLE CHAIN OF CUSTODY ME 01-04-20

VS2/AI6/A04/VN4

Page # 4 of 4

Report To Ms. Jamie Stevens
Company Crete Consulting
Address 108 S. Washington St. Suite 300
City, State, ZIP Seattle, WA 98104
Phone 206-799-2744 Email ~~consult~~ jamie.stevens@creteconsulting.com

SAMPLERS (*signature*)

PROJECT NAME: Dawn Foods

PO #

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: Crete

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other
Default: Dispose after 30 days

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | NWTPH-Dx | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | | | | | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GP-SB-99-FILTER | 31 | 1.2.20 | 14:45 | WATER | 1 | | | | | | | | | | | | ARCHIVE |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

ANALYSES REQUESTED

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---|---|---|---|---|
| Relinquished by: | Paul Bianco | Crete | 1.3.20 | 13:43 |
| Received by: | VINH | FBI | 1/3/20 | 13:43 |
| Relinquished by: | | | | |
| Received by: | | Samples received at 2°C | | |

*Friedman & Bruya, Inc.*
*3012 16th Avenue West*
*Seattle, WA 98119-2029*
*Ph. (206) 285-8282*

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 28, 2020

Jamie Stevens, Project Manager
Crete Consulting
108 S. Washington St., Suite 300
Seattle, WA 98104

Dear Ms Stevens:

Included are the additional results from the testing of material submitted on January 3, 2020 from the Dawn Food, F&BI 001037 project. There are 33 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
CTC0128R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on January 3, 2020 by Friedman & Bruya, Inc. from the Crete Consulting Dawn Food, F&BI 001037 project. Samples were logged in under the laboratory ID's listed below.

| Laboratory ID | Crete Consulting |
|---|---|
| 001037 -01 | GP-SB-5-12 |
| 001037 -02 | GP-SB-1-9 |
| 001037 -03 | GP-SB-4-4 |
| 001037 -04 | GP-SB-5-7 |
| 001037 -05 | GP-SB-6-4 |
| 001037 -06 | GP-SB-4-8 |
| 001037 -07 | GP-SB-2-4 |
| 001037 -08 | GP-SB-6-10 |
| 001037 -09 | GP-SB-7-8 |
| 001037 -10 | GP-SB-7-4 |
| 001037 -11 | GP-SB-1-4 |
| 001037 -12 | Drum-1-0120 |
| 001037 -13 | GP-SB-3-12 |
| 001037 -14 | GP-SB-2-12 |
| 001037 -15 | GP-SB-3-4 |
| 001037 -16 | GP-SB-1 |
| 001037 -17 | GP-SB-1-Filter |
| 001037 -18 | GP-SB-2 |
| 001037 -19 | GP-SB-2-Filter |
| 001037 -20 | GP-SB-3 |
| 001037 -21 | GP-SB-3-Filter |
| 001037 -22 | GP-SB-4 |
| 001037 -23 | GP-SB-4-Filter |
| 001037 -24 | GP-SB-5 |
| 001037 -25 | GP-SB-5-Filter |
| 001037 -26 | GP-SB-6 |
| 001037 -27 | GP-SB-6-FIlter |
| 001037 -28 | GP-SB-7 |
| 001037 -29 | GP-SB-7-Filter |
| 001037 -30 | GP-SB-99 |
| 001037 -31 | GP-SB-99-Filter |

A 6020B internal standard failed the acceptance criteria for samples GP-SB-7 and GP-SB-7-Filter. The samples were diluted and reanalyzed with acceptable results. Both data sets were reported.

CASE NARRATIVE (Continued)

The 8270E calibration standard failed the acceptance criteria for 2,4-dinitrophenol and 4,6-dinitro-2-methylphenol. In addition, several compounds in the laboratory control samples failed the acceptance criteria. The data were flagged accordingly.

The 8260D calibration standard failed the acceptance criteria for methylene chloride and 2-butanone. The data were flagged accordingly. In addition, methylene chloride was detected in sample GP-SB-2. The data were flagged as due to laboratory contamination.

All other quality control requirements were acceptable.

Date of Report: 01/28/20
Date Received: 01/03/20
Project: Dawn Food, F&BI 001037
Date Extracted: 01/16/20
Date Analyzed: 01/16/20

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx**

Results Reported as ug/L (ppb)

| Sample ID<br>Laboratory ID | Gasoline Range | Surrogate<br>(% Recovery)<br>(Limit 51-134) |
|---|---|---|
| GP-SB-1<br>001037-16 | <100 | 97 |
| GP-SB-2<br>001037-18 | 800 | 108 |
| Method Blank<br>00-034 MB | <100 | 100 |

## Analysis For Dissolved Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | GP-SB-7-Filter | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/16/20 | Lab ID: | 001037-29 |
| Date Analyzed: | 01/16/20 | Data File: | 001037-29.039 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration ug/L (ppb) |
|---|---|
| Arsenic | 31.8 J |
| Cadmium | <1 J |
| Copper | <5 |
| Lead | <1 J |
| Mercury | <1 J |
| Nickel | 12.4 |
| Zinc | 9,790 ve |

## Analysis For Dissolved Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | GP-SB-7-Filter | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/16/20 | Lab ID: | 001037-29 x10 |
| Date Analyzed: | 01/20/20 | Data File: | 001037-29 x10.061 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration ug/L (ppb) |
|---|---|
| Arsenic | 29.7 |
| Cadmium | <10 |
| Copper | <50 |
| Lead | <10 |
| Mercury | <10 |
| Nickel | 22.7 |

## Analysis For Dissolved Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | GP-SB-7-Filter | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/16/20 | Lab ID: | 001037-29 x100 |
| Date Analyzed: | 01/17/20 | Data File: | 001037-29 x100.123 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration ug/L (ppb) |
|---|---|
| Zinc | 22,300 |

## Analysis For Dissolved Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | Method Blank | Client: | Crete Consulting |
| Date Received: | NA | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/16/20 | Lab ID: | I0-031 mb2 |
| Date Analyzed: | 01/16/20 | Data File: | I0-031 mb2.038 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration ug/L (ppb) |
|---|---|
| Arsenic | <1 |
| Cadmium | <1 |
| Copper | <5 |
| Lead | <1 |
| Mercury | <1 |
| Nickel | <1 |
| Zinc | <5 |

## Analysis For Total Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | GP-SB-5-12 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/16/20 | Lab ID: | 001037-01 |
| Date Analyzed: | 01/16/20 | Data File: | 001037-01.109 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration mg/kg (ppm) |
|---|---|
| Arsenic | 2.48 |
| Cadmium | <1 |
| Copper | 19.1 |
| Lead | 3.09 |
| Mercury | <1 |
| Nickel | 9.08 |
| Zinc | 24.9 |

## Analysis For Total Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | GP-SB-5-7 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/16/20 | Lab ID: | 001037-04 |
| Date Analyzed: | 01/16/20 | Data File: | 001037-04.110 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration mg/kg (ppm) |
|---|---|
| Arsenic | 5.09 |
| Cadmium | <1 |
| Copper | 213 |
| Lead | 222 |
| Mercury | 2.00 |
| Nickel | 6.84 |
| Zinc | 180 |

## Analysis For Total Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | GP-SB-6-4 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/16/20 | Lab ID: | 001037-05 |
| Date Analyzed: | 01/16/20 | Data File: | 001037-05.111 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration mg/kg (ppm) |
|---|---|
| Arsenic | 4.98 |
| Cadmium | <1 |
| Copper | 26.9 |
| Lead | 25.0 |
| Mercury | <1 |
| Nickel | 10.6 |
| Zinc | 78.7 |

## Analysis For Total Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | GP-SB-6-10 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/16/20 | Lab ID: | 001037-08 |
| Date Analyzed: | 01/16/20 | Data File: | 001037-08.112 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration mg/kg (ppm) |
|---|---|
| Arsenic | 2.37 |
| Cadmium | <1 |
| Copper | 12.7 |
| Lead | 2.17 |
| Mercury | <1 |
| Nickel | 5.32 |
| Zinc | 26.7 |

## Analysis For Total Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | Method Blank | Client: | Crete Consulting |
| Date Received: | NA | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/16/20 | Lab ID: | I0-032 mb2 |
| Date Analyzed: | 01/16/20 | Data File: | I0-032 mb2.053 |
| Matrix: | Soil | Instrument: | ICPMS2 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | SP |

| Analyte: | Concentration mg/kg (ppm) |
|---|---|
| Arsenic | <1 |
| Cadmium | <1 |
| Copper | <5 |
| Lead | <1 |
| Mercury | <1 |
| Nickel | <1 |
| Zinc | <5 |

## Analysis For Total Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | GP-SB-7 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/16/20 | Lab ID: | 001037-28 |
| Date Analyzed: | 01/16/20 | Data File: | 001037-28.069 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration ug/L (ppb) |
|---|---|
| Arsenic | 34.5 J |
| Cadmium | <1 J |
| Copper | <5 ca |
| Lead | <1 J |
| Mercury | <1 J |
| Nickel | 11.9 ca |
| Zinc | 8,840 ve ca |

## Analysis For Total Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | GP-SB-7 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/16/20 | Lab ID: | 001037-28 x10 |
| Date Analyzed: | 01/16/20 | Data File: | 001037-28 x10.116 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration ug/L (ppb) |
|---|---|
| Arsenic | 37.9 |
| Cadmium | <10 |
| Copper | <50 |
| Lead | <10 |
| Mercury | <10 |
| Nickel | 24.0 |

## Analysis For Total Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | GP-SB-7 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/16/20 | Lab ID: | 001037-28 x100 |
| Date Analyzed: | 01/17/20 | Data File: | 001037-28 x100.045 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration ug/L (ppb) |
|---|---|
| Zinc | 22,800 |

## Analysis For Total Metals By EPA Method 6020B

| | | | |
|---|---|---|---|
| Client ID: | Method Blank | Client: | Crete Consulting |
| Date Received: | NA | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/16/20 | Lab ID: | I0-033 mb |
| Date Analyzed: | 01/16/20 | Data File: | I0-033 mb.040 |
| Matrix: | Water | Instrument: | ICPMS2 |
| Units: | ug/L (ppb) | Operator: | SP |

| Analyte: | Concentration ug/L (ppb) |
|---|---|
| Arsenic | <1 |
| Cadmium | <1 |
| Copper | <5 |
| Lead | <1 |
| Mercury | <1 |
| Nickel | <1 |
| Zinc | <10 |

## Analysis For Semivolatile Compounds By EPA Method 8270E

| | | | |
|---|---|---|---|
| Client Sample ID: | GP-SB-6 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/16/20 | Lab ID: | 001037-26 1/2 |
| Date Analyzed: | 01/16/20 | Data File: | 011628.D |
| Matrix: | Water | Instrument: | GCMS8 |
| Units: | ug/L (ppb) | Operator: | ya |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 2-Fluorophenol | 26 | 15 | 99 |
| Phenol-d6 | 17 | 11 | 65 |
| Nitrobenzene-d5 | 43 ip | 50 | 150 |
| 2-Fluorobiphenyl | 42 ip | 50 | 150 |
| 2,4,6-Tribromophenol | 42 | 34 | 132 |
| Terphenyl-d14 | 41 ip | 45 | 138 |

| Compounds: | Concentration ug/L (ppb) | Compounds: | Concentration ug/L (ppb) |
|---|---|---|---|
| Phenol | <4 | 2,6-Dinitrotoluene | <2 |
| Bis(2-chloroethyl) ether | <0.4 | 3-Nitroaniline | <40 |
| 2-Chlorophenol | <4 jl | Acenaphthene | <0.04 |
| 1,3-Dichlorobenzene | <0.4 | 2,4-Dinitrophenol | <12 ca jl |
| 1,4-Dichlorobenzene | <0.4 | Dibenzofuran | <0.4 |
| 1,2-Dichlorobenzene | <0.4 | 2,4-Dinitrotoluene | <2 |
| Benzyl alcohol | <4 | 4-Nitrophenol | <12 |
| 2,2'-Oxybis(1-chloropropane) | <0.4 | Diethyl phthalate | <4 |
| 2-Methylphenol | <4 | Fluorene | <0.04 |
| Hexachloroethane | <0.4 | 4-Chlorophenyl phenyl ether | <0.4 |
| N-Nitroso-di-n-propylamine | <0.4 | N-Nitrosodiphenylamine | <0.4 |
| 3-Methylphenol + 4-Methylphenol | <8 jl | 4-Nitroaniline | <40 |
| Nitrobenzene | <0.4 | 4,6-Dinitro-2-methylphenol | <12 ca jl |
| Isophorone | <0.4 | 4-Bromophenyl phenyl ether | <0.4 |
| 2-Nitrophenol | <4 | Hexachlorobenzene | <0.4 |
| 2,4-Dimethylphenol | <4 | Pentachlorophenol | <2 jl |
| Benzoic acid | <20 jl | Phenanthrene | <0.04 |
| Bis(2-chloroethoxy)methane | <0.4 | Anthracene | <0.04 |
| 2,4-Dichlorophenol | <4 jl | Carbazole | <0.4 |
| 1,2,4-Trichlorobenzene | <0.4 | Di-n-butyl phthalate | <4 |
| Naphthalene | <0.4 | Fluoranthene | <0.04 |
| Hexachlorobutadiene | <0.4 | Pyrene | <0.04 |
| 4-Chloroaniline | <40 | Benzyl butyl phthalate | <4 |
| 4-Chloro-3-methylphenol | <4 | Benz(a)anthracene | <0.04 |
| 2-Methylnaphthalene | <0.4 | Chrysene | <0.04 |
| 1-Methylnaphthalene | <0.4 | Bis(2-ethylhexyl) phthalate | <6.4 |
| Hexachlorocyclopentadiene | <1.2 | Di-n-octyl phthalate | <4 |
| 2,4,6-Trichlorophenol | <4 jl | Benzo(a)pyrene | <0.04 |
| 2,4,5-Trichlorophenol | <4 jl | Benzo(b)fluoranthene | <0.04 |
| 2-Chloronaphthalene | <0.4 | Benzo(k)fluoranthene | <0.04 |
| 2-Nitroaniline | <2 | Indeno(1,2,3-cd)pyrene | <0.04 |
| Dimethyl phthalate | <4 | Dibenz(a,h)anthracene | <0.04 |
| Acenaphthylene | <0.04 | Benzo(g,h,i)perylene | <0.08 |

## Analysis For Semivolatile Compounds By EPA Method 8270E

| | | | |
|---|---|---|---|
| Client Sample ID: | Method Blank | Client: | Crete Consulting |
| Date Received: | Not Applicable | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/16/20 | Lab ID: | 00-161 mb |
| Date Analyzed: | 01/16/20 | Data File: | 011627.D |
| Matrix: | Water | Instrument: | GCMS8 |
| Units: | ug/L (ppb) | Operator: | ya |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 2-Fluorophenol | 24 | 15 | 99 |
| Phenol-d6 | 15 | 11 | 65 |
| Nitrobenzene-d5 | 94 | 50 | 150 |
| 2-Fluorobiphenyl | 87 | 50 | 150 |
| 2,4,6-Tribromophenol | 67 | 34 | 132 |
| Terphenyl-d14 | 102 | 45 | 138 |

| Compounds: | Concentration ug/L (ppb) | Compounds: | Concentration ug/L (ppb) |
|---|---|---|---|
| Phenol | <2 | 2,6-Dinitrotoluene | <1 |
| Bis(2-chloroethyl) ether | <0.2 | 3-Nitroaniline | <20 |
| 2-Chlorophenol | <2 jl | Acenaphthene | <0.02 |
| 1,3-Dichlorobenzene | <0.2 | 2,4-Dinitrophenol | <6 ca jl |
| 1,4-Dichlorobenzene | <0.2 | Dibenzofuran | <0.2 |
| 1,2-Dichlorobenzene | <0.2 | 2,4-Dinitrotoluene | <1 |
| Benzyl alcohol | <2 | 4-Nitrophenol | <6 |
| 2,2'-Oxybis(1-chloropropane) | <0.2 | Diethyl phthalate | <2 |
| 2-Methylphenol | <2 | Fluorene | <0.02 |
| Hexachloroethane | <0.2 | 4-Chlorophenyl phenyl ether | <0.2 |
| N-Nitroso-di-n-propylamine | <0.2 | N-Nitrosodiphenylamine | <0.2 |
| 3-Methylphenol + 4-Methylphenol | <4 jl | 4-Nitroaniline | <20 |
| Nitrobenzene | <0.2 | 4,6-Dinitro-2-methylphenol | <6 ca jl |
| Isophorone | <0.2 | 4-Bromophenyl phenyl ether | <0.2 |
| 2-Nitrophenol | <2 | Hexachlorobenzene | <0.2 |
| 2,4-Dimethylphenol | <2 | Pentachlorophenol | <1 jl |
| Benzoic acid | <10 jl | Phenanthrene | <0.02 |
| Bis(2-chloroethoxy)methane | <0.2 | Anthracene | <0.02 |
| 2,4-Dichlorophenol | <2 jl | Carbazole | <0.2 |
| 1,2,4-Trichlorobenzene | <0.2 | Di-n-butyl phthalate | <2 |
| Naphthalene | <0.2 | Fluoranthene | <0.02 |
| Hexachlorobutadiene | <0.2 | Pyrene | <0.02 |
| 4-Chloroaniline | <20 | Benzyl butyl phthalate | <2 |
| 4-Chloro-3-methylphenol | <2 | Benz(a)anthracene | <0.02 |
| 2-Methylnaphthalene | <0.2 | Chrysene | <0.02 |
| 1-Methylnaphthalene | <0.2 | Bis(2-ethylhexyl) phthalate | <3.2 |
| Hexachlorocyclopentadiene | <0.6 | Di-n-octyl phthalate | <2 |
| 2,4,6-Trichlorophenol | <2 jl | Benzo(a)pyrene | <0.02 |
| 2,4,5-Trichlorophenol | <2 jl | Benzo(b)fluoranthene | <0.02 |
| 2-Chloronaphthalene | <0.2 | Benzo(k)fluoranthene | <0.02 |
| 2-Nitroaniline | <1 | Indeno(1,2,3-cd)pyrene | <0.02 |
| Dimethyl phthalate | <2 | Dibenz(a,h)anthracene | <0.02 |
| Acenaphthylene | <0.02 | Benzo(g,h,i)perylene | <0.04 |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | GP-SB-1 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-16 |
| Date Analyzed: | 01/08/20 | Data File: | 010846.D |
| Matrix: | Water | Instrument: | GCMS9 |
| Units: | ug/L (ppb) | Operator: | MS |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 98 | 50 | 150 |
| Toluene-d8 | 96 | 50 | 150 |
| 4-Bromofluorobenzene | 96 | 50 | 150 |

| Compounds: | Concentration ug/L (ppb) | Compounds: | Concentration ug/L (ppb) |
|---|---|---|---|
| Dichlorodifluoromethane | <1 | 1,3-Dichloropropane | <1 |
| Chloromethane | <10 | Tetrachloroethene | <1 |
| Vinyl chloride | 44 | Dibromochloromethane | <1 |
| Bromomethane | <1 | 1,2-Dibromoethane (EDB) | <1 |
| Chloroethane | <1 | Chlorobenzene | <1 |
| Trichlorofluoromethane | <1 | Ethylbenzene | <1 |
| Acetone | <50 | 1,1,1,2-Tetrachloroethane | <1 |
| 1,1-Dichloroethene | <1 | m,p-Xylene | <2 |
| Hexane | <1 | o-Xylene | <1 |
| Methylene chloride | <5 | Styrene | <1 |
| Methyl t-butyl ether (MTBE) | 1.1 | Isopropylbenzene | <1 |
| trans-1,2-Dichloroethene | <1 | Bromoform | <1 |
| 1,1-Dichloroethane | <1 | n-Propylbenzene | <1 |
| 2,2-Dichloropropane | <1 | Bromobenzene | <1 |
| cis-1,2-Dichloroethene | 16 | 1,3,5-Trimethylbenzene | <1 |
| Chloroform | <1 | 1,1,2,2-Tetrachloroethane | <1 |
| 2-Butanone (MEK) | <10 ca | 1,2,3-Trichloropropane | <1 |
| 1,2-Dichloroethane (EDC) | <1 | 2-Chlorotoluene | <1 |
| 1,1,1-Trichloroethane | <1 | 4-Chlorotoluene | <1 |
| 1,1-Dichloropropene | <1 | tert-Butylbenzene | <1 |
| Carbon tetrachloride | <1 | 1,2,4-Trimethylbenzene | <1 |
| Benzene | <0.35 | sec-Butylbenzene | <1 |
| Trichloroethene | <1 | p-Isopropyltoluene | <1 |
| 1,2-Dichloropropane | <1 | 1,3-Dichlorobenzene | <1 |
| Bromodichloromethane | <1 | 1,4-Dichlorobenzene | <1 |
| Dibromomethane | <1 | 1,2-Dichlorobenzene | <1 |
| 4-Methyl-2-pentanone | <10 | 1,2-Dibromo-3-chloropropane | <10 |
| cis-1,3-Dichloropropene | <1 | 1,2,4-Trichlorobenzene | <1 |
| Toluene | <1 | Hexachlorobutadiene | <1 |
| trans-1,3-Dichloropropene | <1 | Naphthalene | <1 |
| 1,1,2-Trichloroethane | <1 | 1,2,3-Trichlorobenzene | <1 |
| 2-Hexanone | <10 | | |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | GP-SB-2 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-18 |
| Date Analyzed: | 01/08/20 | Data File: | 010847.D |
| Matrix: | Water | Instrument: | GCMS9 |
| Units: | ug/L (ppb) | Operator: | MS |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | 50 | 150 |
| Toluene-d8 | 101 | 50 | 150 |
| 4-Bromofluorobenzene | 89 | 50 | 150 |

| Compounds: | Concentration ug/L (ppb) | Compounds: | Concentration ug/L (ppb) |
|---|---|---|---|
| Dichlorodifluoromethane | <1 | 1,3-Dichloropropane | <1 |
| Chloromethane | <10 | Tetrachloroethene | <1 |
| Vinyl chloride | 84 | Dibromochloromethane | <1 |
| Bromomethane | <1 | 1,2-Dibromoethane (EDB) | <1 |
| Chloroethane | <1 | Chlorobenzene | <1 |
| Trichlorofluoromethane | <1 | Ethylbenzene | <1 |
| Acetone | <50 | 1,1,1,2-Tetrachloroethane | <1 |
| 1,1-Dichloroethene | <1 | m,p-Xylene | <2 |
| Hexane | 4.1 | o-Xylene | <1 |
| Methylene chloride | 5.3 lc ca | Styrene | <1 |
| Methyl t-butyl ether (MTBE) | <1 | Isopropylbenzene | <1 |
| trans-1,2-Dichloroethene | 7.3 | Bromoform | <1 |
| 1,1-Dichloroethane | <1 | n-Propylbenzene | <1 |
| 2,2-Dichloropropane | <1 | Bromobenzene | <1 |
| cis-1,2-Dichloroethene | 540 ve | 1,3,5-Trimethylbenzene | <1 |
| Chloroform | <1 | 1,1,2,2-Tetrachloroethane | <1 |
| 2-Butanone (MEK) | <10 ca | 1,2,3-Trichloropropane | <1 |
| 1,2-Dichloroethane (EDC) | <1 | 2-Chlorotoluene | <1 |
| 1,1,1-Trichloroethane | <1 | 4-Chlorotoluene | <1 |
| 1,1-Dichloropropene | <1 | tert-Butylbenzene | <1 |
| Carbon tetrachloride | <1 | 1,2,4-Trimethylbenzene | 5.4 |
| Benzene | <0.35 | sec-Butylbenzene | 2.4 |
| Trichloroethene | <1 | p-Isopropyltoluene | <1 |
| 1,2-Dichloropropane | <1 | 1,3-Dichlorobenzene | <1 |
| Bromodichloromethane | <1 | 1,4-Dichlorobenzene | <1 |
| Dibromomethane | <1 | 1,2-Dichlorobenzene | <1 |
| 4-Methyl-2-pentanone | <10 | 1,2-Dibromo-3-chloropropane | <10 |
| cis-1,3-Dichloropropene | <1 | 1,2,4-Trichlorobenzene | <1 |
| Toluene | <1 | Hexachlorobutadiene | <1 |
| trans-1,3-Dichloropropene | <1 | Naphthalene | <1 |
| 1,1,2-Trichloroethane | <1 | 1,2,3-Trichlorobenzene | <1 |
| 2-Hexanone | <10 | | |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | GP-SB-2 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-18 1/10 |
| Date Analyzed: | 01/11/20 | Data File: | 011041.D |
| Matrix: | Water | Instrument: | GCMS4 |
| Units: | ug/L (ppb) | Operator: | MS |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 94 | 57 | 121 |
| Toluene-d8 | 87 | 63 | 127 |
| 4-Bromofluorobenzene | 98 | 60 | 133 |

| Compounds: | Concentration ug/L (ppb) | Compounds: | Concentration ug/L (ppb) |
|---|---|---|---|
| Dichlorodifluoromethane | <10 | 1,3-Dichloropropane | <10 |
| Chloromethane | <100 | Tetrachloroethene | <10 |
| Vinyl chloride | 72 | Dibromochloromethane | <10 |
| Bromomethane | <10 | 1,2-Dibromoethane (EDB) | <10 |
| Chloroethane | <10 | Chlorobenzene | <10 |
| Trichlorofluoromethane | <10 | Ethylbenzene | <10 |
| Acetone | <500 | 1,1,1,2-Tetrachloroethane | <10 |
| 1,1-Dichloroethene | <10 | m,p-Xylene | <20 |
| Hexane | <10 | o-Xylene | <10 |
| Methylene chloride | <50 | Styrene | <10 |
| Methyl t-butyl ether (MTBE) | <10 | Isopropylbenzene | <10 |
| trans-1,2-Dichloroethene | <10 | Bromoform | <10 |
| 1,1-Dichloroethane | <10 | n-Propylbenzene | <10 |
| 2,2-Dichloropropane | <10 | Bromobenzene | <10 |
| cis-1,2-Dichloroethene | 400 | 1,3,5-Trimethylbenzene | <10 |
| Chloroform | <10 | 1,1,2,2-Tetrachloroethane | <10 |
| 2-Butanone (MEK) | <100 | 1,2,3-Trichloropropane | <10 |
| 1,2-Dichloroethane (EDC) | <10 | 2-Chlorotoluene | <10 |
| 1,1,1-Trichloroethane | <10 | 4-Chlorotoluene | <10 |
| 1,1-Dichloropropene | <10 | tert-Butylbenzene | <10 |
| Carbon tetrachloride | <10 | 1,2,4-Trimethylbenzene | <10 |
| Benzene | <3.5 | sec-Butylbenzene | <10 |
| Trichloroethene | <10 | p-Isopropyltoluene | <10 |
| 1,2-Dichloropropane | <10 | 1,3-Dichlorobenzene | <10 |
| Bromodichloromethane | <10 | 1,4-Dichlorobenzene | <10 |
| Dibromomethane | <10 | 1,2-Dichlorobenzene | <10 |
| 4-Methyl-2-pentanone | <100 | 1,2-Dibromo-3-chloropropane | <100 |
| cis-1,3-Dichloropropene | <10 | 1,2,4-Trichlorobenzene | <10 |
| Toluene | <10 | Hexachlorobutadiene | <10 |
| trans-1,3-Dichloropropene | <10 | Naphthalene | <10 |
| 1,1,2-Trichloroethane | <10 | 1,2,3-Trichlorobenzene | <10 |
| 2-Hexanone | <100 | | |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | GP-SB-3 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-20 |
| Date Analyzed: | 01/08/20 | Data File: | 010840.D |
| Matrix: | Water | Instrument: | GCMS9 |
| Units: | ug/L (ppb) | Operator: | MS |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | 50 | 150 |
| Toluene-d8 | 99 | 50 | 150 |
| 4-Bromofluorobenzene | 101 | 50 | 150 |

| Compounds: | Concentration ug/L (ppb) | Compounds: | Concentration ug/L (ppb) |
|---|---|---|---|
| Dichlorodifluoromethane | <1 | 1,3-Dichloropropane | <1 |
| Chloromethane | <10 | Tetrachloroethene | <1 |
| Vinyl chloride | 0.31 | Dibromochloromethane | <1 |
| Bromomethane | <1 | 1,2-Dibromoethane (EDB) | <1 |
| Chloroethane | <1 | Chlorobenzene | <1 |
| Trichlorofluoromethane | <1 | Ethylbenzene | <1 |
| Acetone | <50 | 1,1,1,2-Tetrachloroethane | <1 |
| 1,1-Dichloroethene | <1 | m,p-Xylene | <2 |
| Hexane | <1 | o-Xylene | <1 |
| Methylene chloride | <5 | Styrene | <1 |
| Methyl t-butyl ether (MTBE) | <1 | Isopropylbenzene | <1 |
| trans-1,2-Dichloroethene | <1 | Bromoform | <1 |
| 1,1-Dichloroethane | <1 | n-Propylbenzene | <1 |
| 2,2-Dichloropropane | <1 | Bromobenzene | <1 |
| cis-1,2-Dichloroethene | <1 | 1,3,5-Trimethylbenzene | <1 |
| Chloroform | <1 | 1,1,2,2-Tetrachloroethane | <1 |
| 2-Butanone (MEK) | <10 ca | 1,2,3-Trichloropropane | <1 |
| 1,2-Dichloroethane (EDC) | <1 | 2-Chlorotoluene | <1 |
| 1,1,1-Trichloroethane | <1 | 4-Chlorotoluene | <1 |
| 1,1-Dichloropropene | <1 | tert-Butylbenzene | <1 |
| Carbon tetrachloride | <1 | 1,2,4-Trimethylbenzene | <1 |
| Benzene | <0.35 | sec-Butylbenzene | <1 |
| Trichloroethene | <1 | p-Isopropyltoluene | <1 |
| 1,2-Dichloropropane | <1 | 1,3-Dichlorobenzene | <1 |
| Bromodichloromethane | <1 | 1,4-Dichlorobenzene | <1 |
| Dibromomethane | <1 | 1,2-Dichlorobenzene | <1 |
| 4-Methyl-2-pentanone | <10 | 1,2-Dibromo-3-chloropropane | <10 |
| cis-1,3-Dichloropropene | <1 | 1,2,4-Trichlorobenzene | <1 |
| Toluene | <1 | Hexachlorobutadiene | <1 |
| trans-1,3-Dichloropropene | <1 | Naphthalene | <1 |
| 1,1,2-Trichloroethane | <1 | 1,2,3-Trichlorobenzene | <1 |
| 2-Hexanone | <10 | | |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | GP-SB-5 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-24 |
| Date Analyzed: | 01/08/20 | Data File: | 010841.D |
| Matrix: | Water | Instrument: | GCMS9 |
| Units: | ug/L (ppb) | Operator: | MS |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | 50 | 150 |
| Toluene-d8 | 101 | 50 | 150 |
| 4-Bromofluorobenzene | 100 | 50 | 150 |

| Compounds: | Concentration ug/L (ppb) | Compounds: | Concentration ug/L (ppb) |
|---|---|---|---|
| Dichlorodifluoromethane | <1 | 1,3-Dichloropropane | <1 |
| Chloromethane | <10 | Tetrachloroethene | <1 |
| Vinyl chloride | <0.2 | Dibromochloromethane | <1 |
| Bromomethane | <1 | 1,2-Dibromoethane (EDB) | <1 |
| Chloroethane | <1 | Chlorobenzene | <1 |
| Trichlorofluoromethane | <1 | Ethylbenzene | <1 |
| Acetone | <50 | 1,1,1,2-Tetrachloroethane | <1 |
| 1,1-Dichloroethene | <1 | m,p-Xylene | <2 |
| Hexane | <1 | o-Xylene | <1 |
| Methylene chloride | <5 | Styrene | <1 |
| Methyl t-butyl ether (MTBE) | <1 | Isopropylbenzene | <1 |
| trans-1,2-Dichloroethene | <1 | Bromoform | <1 |
| 1,1-Dichloroethane | <1 | n-Propylbenzene | <1 |
| 2,2-Dichloropropane | <1 | Bromobenzene | <1 |
| cis-1,2-Dichloroethene | <1 | 1,3,5-Trimethylbenzene | <1 |
| Chloroform | <1 | 1,1,2,2-Tetrachloroethane | <1 |
| 2-Butanone (MEK) | <10 ca | 1,2,3-Trichloropropane | <1 |
| 1,2-Dichloroethane (EDC) | <1 | 2-Chlorotoluene | <1 |
| 1,1,1-Trichloroethane | <1 | 4-Chlorotoluene | <1 |
| 1,1-Dichloropropene | <1 | tert-Butylbenzene | <1 |
| Carbon tetrachloride | <1 | 1,2,4-Trimethylbenzene | <1 |
| Benzene | <0.35 | sec-Butylbenzene | <1 |
| Trichloroethene | <1 | p-Isopropyltoluene | <1 |
| 1,2-Dichloropropane | <1 | 1,3-Dichlorobenzene | <1 |
| Bromodichloromethane | <1 | 1,4-Dichlorobenzene | <1 |
| Dibromomethane | <1 | 1,2-Dichlorobenzene | <1 |
| 4-Methyl-2-pentanone | <10 | 1,2-Dibromo-3-chloropropane | <10 |
| cis-1,3-Dichloropropene | <1 | 1,2,4-Trichlorobenzene | <1 |
| Toluene | <1 | Hexachlorobutadiene | <1 |
| trans-1,3-Dichloropropene | <1 | Naphthalene | <1 |
| 1,1,2-Trichloroethane | <1 | 1,2,3-Trichlorobenzene | <1 |
| 2-Hexanone | <10 | | |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | GP-SB-6 | Client: | Crete Consulting |
| Date Received: | 01/03/20 | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 001037-26 |
| Date Analyzed: | 01/08/20 | Data File: | 010842.D |
| Matrix: | Water | Instrument: | GCMS9 |
| Units: | ug/L (ppb) | Operator: | MS |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | 50 | 150 |
| Toluene-d8 | 97 | 50 | 150 |
| 4-Bromofluorobenzene | 98 | 50 | 150 |

| Compounds: | Concentration ug/L (ppb) | Compounds: | Concentration ug/L (ppb) |
|---|---|---|---|
| Dichlorodifluoromethane | <1 | 1,3-Dichloropropane | <1 |
| Chloromethane | <10 | Tetrachloroethene | <1 |
| Vinyl chloride | <0.2 | Dibromochloromethane | <1 |
| Bromomethane | <1 | 1,2-Dibromoethane (EDB) | <1 |
| Chloroethane | <1 | Chlorobenzene | <1 |
| Trichlorofluoromethane | <1 | Ethylbenzene | <1 |
| Acetone | <50 | 1,1,1,2-Tetrachloroethane | <1 |
| 1,1-Dichloroethene | <1 | m,p-Xylene | <2 |
| Hexane | <1 | o-Xylene | <1 |
| Methylene chloride | <5 | Styrene | <1 |
| Methyl t-butyl ether (MTBE) | <1 | Isopropylbenzene | <1 |
| trans-1,2-Dichloroethene | <1 | Bromoform | <1 |
| 1,1-Dichloroethane | <1 | n-Propylbenzene | <1 |
| 2,2-Dichloropropane | <1 | Bromobenzene | <1 |
| cis-1,2-Dichloroethene | <1 | 1,3,5-Trimethylbenzene | <1 |
| Chloroform | <1 | 1,1,2,2-Tetrachloroethane | <1 |
| 2-Butanone (MEK) | <10 ca | 1,2,3-Trichloropropane | <1 |
| 1,2-Dichloroethane (EDC) | <1 | 2-Chlorotoluene | <1 |
| 1,1,1-Trichloroethane | <1 | 4-Chlorotoluene | <1 |
| 1,1-Dichloropropene | <1 | tert-Butylbenzene | <1 |
| Carbon tetrachloride | <1 | 1,2,4-Trimethylbenzene | <1 |
| Benzene | <0.35 | sec-Butylbenzene | <1 |
| Trichloroethene | <1 | p-Isopropyltoluene | <1 |
| 1,2-Dichloropropane | <1 | 1,3-Dichlorobenzene | <1 |
| Bromodichloromethane | <1 | 1,4-Dichlorobenzene | <1 |
| Dibromomethane | <1 | 1,2-Dichlorobenzene | <1 |
| 4-Methyl-2-pentanone | <10 | 1,2-Dibromo-3-chloropropane | <10 |
| cis-1,3-Dichloropropene | <1 | 1,2,4-Trichlorobenzene | <1 |
| Toluene | <1 | Hexachlorobutadiene | <1 |
| trans-1,3-Dichloropropene | <1 | Naphthalene | <1 |
| 1,1,2-Trichloroethane | <1 | 1,2,3-Trichlorobenzene | <1 |
| 2-Hexanone | <10 | | |

## Analysis For Volatile Compounds By EPA Method 8260D

| | | | |
|---|---|---|---|
| Client Sample ID: | Method Blank | Client: | Crete Consulting |
| Date Received: | Not Applicable | Project: | Dawn Food, F&BI 001037 |
| Date Extracted: | 01/07/20 | Lab ID: | 00-026 mb |
| Date Analyzed: | 01/08/20 | Data File: | 010835.D |
| Matrix: | Water | Instrument: | GCMS9 |
| Units: | ug/L (ppb) | Operator: | MS |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | 50 | 150 |
| Toluene-d8 | 98 | 50 | 150 |
| 4-Bromofluorobenzene | 99 | 50 | 150 |

| Compounds: | Concentration ug/L (ppb) | Compounds: | Concentration ug/L (ppb) |
|---|---|---|---|
| Dichlorodifluoromethane | <1 | 1,3-Dichloropropane | <1 |
| Chloromethane | <10 | Tetrachloroethene | <1 |
| Vinyl chloride | <0.2 | Dibromochloromethane | <1 |
| Bromomethane | <1 | 1,2-Dibromoethane (EDB) | <1 |
| Chloroethane | <1 | Chlorobenzene | <1 |
| Trichlorofluoromethane | <1 | Ethylbenzene | <1 |
| Acetone | <50 | 1,1,1,2-Tetrachloroethane | <1 |
| 1,1-Dichloroethene | <1 | m,p-Xylene | <2 |
| Hexane | <1 | o-Xylene | <1 |
| Methylene chloride | <5 | Styrene | <1 |
| Methyl t-butyl ether (MTBE) | <1 | Isopropylbenzene | <1 |
| trans-1,2-Dichloroethene | <1 | Bromoform | <1 |
| 1,1-Dichloroethane | <1 | n-Propylbenzene | <1 |
| 2,2-Dichloropropane | <1 | Bromobenzene | <1 |
| cis-1,2-Dichloroethene | <1 | 1,3,5-Trimethylbenzene | <1 |
| Chloroform | <1 | 1,1,2,2-Tetrachloroethane | <1 |
| 2-Butanone (MEK) | <10 ca | 1,2,3-Trichloropropane | <1 |
| 1,2-Dichloroethane (EDC) | <1 | 2-Chlorotoluene | <1 |
| 1,1,1-Trichloroethane | <1 | 4-Chlorotoluene | <1 |
| 1,1-Dichloropropene | <1 | tert-Butylbenzene | <1 |
| Carbon tetrachloride | <1 | 1,2,4-Trimethylbenzene | <1 |
| Benzene | <0.35 | sec-Butylbenzene | <1 |
| Trichloroethene | <1 | p-Isopropyltoluene | <1 |
| 1,2-Dichloropropane | <1 | 1,3-Dichlorobenzene | <1 |
| Bromodichloromethane | <1 | 1,4-Dichlorobenzene | <1 |
| Dibromomethane | <1 | 1,2-Dichlorobenzene | <1 |
| 4-Methyl-2-pentanone | <10 | 1,2-Dibromo-3-chloropropane | <10 |
| cis-1,3-Dichloropropene | <1 | 1,2,4-Trichlorobenzene | <1 |
| Toluene | <1 | Hexachlorobutadiene | <1 |
| trans-1,3-Dichloropropene | <1 | Naphthalene | <1 |
| 1,1,2-Trichloroethane | <1 | 1,2,3-Trichlorobenzene | <1 |
| 2-Hexanone | <10 | | |

Date of Report: 01/28/20
Date Received: 01/03/20
Project: Dawn Food, F&BI 001037

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 001196-06 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 20) |
|---|---|---|---|---|
| Gasoline | ug/L (ppb) | 110 | 160 | 34 a |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|---|---|---|---|---|
| Gasoline | ug/L (ppb) | 1,000 | 99 | 69-134 |

Date of Report: 01/28/20
Date Received: 01/03/20
Project: Dawn Food, F&BI 001037

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR DISSOLVED METALS USING EPA METHOD 6020B

Laboratory Code: 001113-04 x10 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result | Percent Recovery MS | Percent Recovery MSD | Acceptance Criteria | RPD (Limit 20) |
|---|---|---|---|---|---|---|---|
| Arsenic | ug/L (ppb) | 10 | 18.4 | 75 | 90 | 75-125 | 18 |
| Cadmium | ug/L (ppb) | 5 | <10 | 98 | 99 | 75-125 | 1 |
| Copper | ug/L (ppb) | 20 | <50 | 84 | 90 | 75-125 | 7 |
| Lead | ug/L (ppb) | 10 | 23.5 | 98 | 116 | 75-125 | 17 |
| Mercury | ug/L (ppb) | 5 | <10 | 87 | 88 | 75-125 | 1 |
| Nickel | ug/L (ppb) | 20 | 12.5 | 76 | 76 | 75-125 | 0 |
| Zinc | ug/L (ppb) | 50 | <50 | 73 vo | 74 vo | 75-125 | 1 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|---|---|---|---|---|
| Arsenic | ug/L (ppb) | 10 | 100 | 80-120 |
| Cadmium | ug/L (ppb) | 5 | 95 | 80-120 |
| Copper | ug/L (ppb) | 20 | 97 | 80-120 |
| Lead | ug/L (ppb) | 10 | 95 | 80-120 |
| Mercury | ug/L (ppb) | 5 | 94 | 80-120 |
| Nickel | ug/L (ppb) | 20 | 98 | 80-120 |
| Zinc | ug/L (ppb) | 50 | 98 | 80-120 |

Date of Report: 01/28/20
Date Received: 01/03/20
Project: Dawn Food, F&BI 001037

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 001179-01 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result (Wet wt) | Percent Recovery MS | Percent Recovery MSD | Acceptance Criteria | RPD (Limit 20) |
|---|---|---|---|---|---|---|---|
| Arsenic | mg/kg (ppm) | 10 | 1.94 | 81 | 83 | 75-125 | 2 |
| Cadmium | mg/kg (ppm) | 10 | <1 | 90 | 94 | 75-125 | 4 |
| Copper | mg/kg (ppm) | 50 | 9.37 | 80 | 85 | 75-125 | 6 |
| Lead | mg/kg (ppm) | 50 | 10.4 | 93 | 99 | 75-125 | 6 |
| Mercury | mg/kg (ppm | 5 | <1 | 88 | 87 | 75-125 | 1 |
| Nickel | mg/kg (ppm) | 25 | 6.74 | 84 | 92 | 75-125 | 9 |
| Zinc | mg/kg (ppm) | 50 | 16.0 | 86 | 94 | 75-125 | 9 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|---|---|---|---|---|
| Arsenic | mg/kg (ppm) | 10 | 86 | 80-120 |
| Cadmium | mg/kg (ppm) | 10 | 97 | 80-120 |
| Copper | mg/kg (ppm) | 50 | 97 | 80-120 |
| Lead | mg/kg (ppm) | 50 | 99 | 80-120 |
| Mercury | mg/kg (ppm) | 5 | 89 | 80-120 |
| Nickel | mg/kg (ppm) | 25 | 102 | 80-120 |
| Zinc | mg/kg (ppm) | 50 | 104 | 80-120 |

Date of Report: 01/28/20
Date Received: 01/03/20
Project: Dawn Food, F&BI 001037

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 001037-28 x10 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result | Percent Recovery MS | Percent Recovery MSD | Acceptance Criteria | RPD (Limit 20) |
|---|---|---|---|---|---|---|---|
| Arsenic | ug/L (ppb) | 10 | 37.9 | 108 | 118 | 75-125 | 9 |
| Cadmium | ug/L (ppb) | 5 | <10 | 93 | 92 | 75-125 | 1 |
| Copper | ug/L (ppb) | 20 | 111 | 85 | 79 | 75-125 | 7 |
| Lead | ug/L (ppb) | 10 | <10 | 82 | 80 | 75-125 | 2 |
| Mercury | ug/L (ppb) | 5 | <10 | 88 | 88 | 75-125 | 0 |
| Nickel | ug/L (ppb) | 20 | 24.0 | 134 b | 84 b | 75-125 | 46 b |
| Zinc | ug/L (ppb) | 50 | 19,700 | 1,690 b | 1,590 b | 75-125 | 6 b |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|---|---|---|---|---|
| Arsenic | ug/L (ppb) | 10 | 95 | 80-120 |
| Cadmium | ug/L (ppb) | 5 | 95 | 80-120 |
| Copper | ug/L (ppb) | 20 | 96 | 80-120 |
| Lead | ug/L (ppb) | 10 | 89 | 80-120 |
| Mercury | ug/L (ppb) | 5 | 92 | 80-120 |
| Nickel | ug/L (ppb) | 20 | 97 | 80-120 |
| Zinc | ug/L (ppb) | 50 | 83 | 80-120 |

Date of Report: 01/28/20
Date Received: 01/03/20
Project: Dawn Food, F&BI 001037

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Percent Recovery LCSD | Acceptance Criteria | RPD (Limit 20) |
|---|---|---|---|---|---|---|
| Phenol | ug/L (ppb) | 5 | 20 | 17 | 10-86 | 16 |
| Bis(2-chloroethyl) ether | ug/L (ppb) | 5 | 106 | 92 | 65-121 | 14 |
| 2-Chlorophenol | ug/L (ppb) | 5 | 57 vo | 59 | 58-123 | 3 |
| 1,3-Dichlorobenzene | ug/L (ppb) | 5 | 80 | 81 | 66-113 | 1 |
| 1,4-Dichlorobenzene | ug/L (ppb) | 5 | 80 | 81 | 62-114 | 1 |
| 1,2-Dichlorobenzene | ug/L (ppb) | 5 | 82 | 82 | 63-115 | 0 |
| Benzyl alcohol | ug/L (ppb) | 5 | 64 | 52 | 37-125 | 21 vo |
| 2,2'-Oxybis(1-chloropropane) | ug/L (ppb) | 5 | 105 | 93 | 70-130 | 12 |
| 2-Methylphenol | ug/L (ppb) | 5 | 59 | 50 | 38-119 | 17 |
| Hexachloroethane | ug/L (ppb) | 5 | 80 | 83 | 64-117 | 4 |
| N-Nitroso-di-n-propylamine | ug/L (ppb) | 5 | 115 | 98 | 70-130 | 16 |
| 3-Methylphenol + 4-Methylphenol | ug/L (ppb) | 5 | 49 | 41 vo | 44-110 | 18 |
| Nitrobenzene | ug/L (ppb) | 5 | 103 | 91 | 70-130 | 12 |
| Isophorone | ug/L (ppb) | 5 | 115 | 98 | 70-130 | 16 |
| 2-Nitrophenol | ug/L (ppb) | 5 | 64 | 75 | 61-141 | 16 |
| 2,4-Dimethylphenol | ug/L (ppb) | 5 | 96 | 79 | 12-127 | 19 |
| Benzoic acid | ug/L (ppb) | 32.5 | 5 vo | 10 | 10-102 | 67 vo |
| Bis(2-chloroethoxy)methane | ug/L (ppb) | 5 | 109 | 94 | 70-130 | 15 |
| 2,4-Dichlorophenol | ug/L (ppb) | 5 | 68 vo | 72 | 70-130 | 6 |
| 1,2,4-Trichlorobenzene | ug/L (ppb) | 5 | 83 | 84 | 70-130 | 1 |
| Naphthalene | ug/L (ppb) | 5 | 89 | 85 | 65-111 | 5 |
| Hexachlorobutadiene | ug/L (ppb) | 5 | 78 | 81 | 65-115 | 4 |
| 4-Chloroaniline | ug/L (ppb) | 10 | 104 | 81 | 24-146 | 25 vo |
| 4-Chloro-3-methylphenol | ug/L (ppb) | 5 | 85 | 74 | 58-133 | 14 |
| 2-Methylnaphthalene | ug/L (ppb) | 5 | 94 | 89 | 70-130 | 5 |
| 1-Methylnaphthalene | ug/L (ppb) | 5 | 93 | 87 | 70-130 | 7 |
| Hexachlorocyclopentadiene | ug/L (ppb) | 5 | 69 | 81 | 36-112 | 16 |
| 2,4,6-Trichlorophenol | ug/L (ppb) | 5 | 39 vo | 64 vo | 70-130 | 49 vo |
| 2,4,5-Trichlorophenol | ug/L (ppb) | 5 | 57 vo | 71 | 70-130 | 22 vo |
| 2-Chloronaphthalene | ug/L (ppb) | 5 | 96 | 91 | 70-130 | 5 |
| 2-Nitroaniline | ug/L (ppb) | 5 | 107 | 94 | 64-143 | 13 |
| Dimethyl phthalate | ug/L (ppb) | 5 | 108 | 95 | 64-140 | 13 |
| Acenaphthylene | ug/L (ppb) | 5 | 111 | 100 | 70-130 | 10 |
| 2,6-Dinitrotoluene | ug/L (ppb) | 5 | 110 | 100 | 70-130 | 10 |
| 3-Nitroaniline | ug/L (ppb) | 10 | 106 | 90 | 53-134 | 16 |
| Acenaphthene | ug/L (ppb) | 5 | 99 | 91 | 65-122 | 8 |
| 2,4-Dinitrophenol | ug/L (ppb) | 5 | 29 vo | 58 | 58-139 | 67 vo |
| Dibenzofuran | ug/L (ppb) | 5 | 104 | 96 | 70-130 | 8 |
| 2,4-Dinitrotoluene | ug/L (ppb) | 5 | 105 | 96 | 70-130 | 9 |
| 4-Nitrophenol | ug/L (ppb) | 5 | 16 | 22 | 10-89 | 32 vo |
| Diethyl phthalate | ug/L (ppb) | 5 | 113 | 102 | 56-141 | 10 |
| Fluorene | ug/L (ppb) | 5 | 107 | 98 | 70-130 | 9 |
| 4-Chlorophenyl phenyl ether | ug/L (ppb) | 5 | 102 | 93 | 70-130 | 9 |
| N-Nitrosodiphenylamine | ug/L (ppb) | 5 | 106 | 95 | 70-130 | 11 |
| 4-Nitroaniline | ug/L (ppb) | 10 | 108 | 94 | 66-134 | 14 |
| 4,6-Dinitro-2-methylphenol | ug/L (ppb) | 5 | 26 vo | 60 vo | 69-138 | 79 vo |
| 4-Bromophenyl phenyl ether | ug/L (ppb) | 5 | 106 | 95 | 70-130 | 11 |
| Hexachlorobenzene | ug/L (ppb) | 5 | 103 | 93 | 70-130 | 10 |
| Pentachlorophenol | ug/L (ppb) | 5 | 27 vo | 64 vo | 70-130 | 81 vo |
| Phenanthrene | ug/L (ppb) | 5 | 108 | 95 | 70-130 | 13 |
| Anthracene | ug/L (ppb) | 5 | 108 | 99 | 70-130 | 9 |
| Carbazole | ug/L (ppb) | 5 | 125 | 112 | 70-130 | 11 |
| Di-n-butyl phthalate | ug/L (ppb) | 5 | 114 | 104 | 70-130 | 9 |
| Fluoranthene | ug/L (ppb) | 5 | 117 | 105 | 70-130 | 11 |
| Pyrene | ug/L (ppb) | 5 | 113 | 100 | 70-130 | 12 |
| Benzyl butyl phthalate | ug/L (ppb) | 5 | 116 | 104 | 70-130 | 11 |
| Benz(a)anthracene | ug/L (ppb) | 5 | 113 | 99 | 70-130 | 13 |
| Chrysene | ug/L (ppb) | 5 | 110 | 97 | 70-130 | 13 |
| Bis(2-ethylhexyl) phthalate | ug/L (ppb) | 5 | 108 | 97 | 63-139 | 11 |
| Di-n-octyl phthalate | ug/L (ppb) | 5 | 100 | 90 | 67-147 | 11 |
| Benzo(a)pyrene | ug/L (ppb) | 5 | 110 | 96 | 70-130 | 14 |
| Benzo(b)fluoranthene | ug/L (ppb) | 5 | 101 | 90 | 70-130 | 12 |
| Benzo(k)fluoranthene | ug/L (ppb) | 5 | 100 | 87 | 70-130 | 14 |
| Indeno(1,2,3-cd)pyrene | ug/L (ppb) | 5 | 105 | 90 | 57-141 | 15 |
| Dibenz(a,h)anthracene | ug/L (ppb) | 5 | 96 | 84 | 57-137 | 13 |
| Benzo(g,h,i)perylene | ug/L (ppb) | 5 | 97 | 84 | 50-143 | 14 |

Date of Report: 01/28/20
Date Received: 01/03/20
Project: Dawn Food, F&BI 001037

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 001056-03 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result | Percent Recovery MS | Acceptance Criteria |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | ug/L (ppb) | 50 | <1 | 76 | 55-137 |
| Chloromethane | ug/L (ppb) | 50 | <10 | 77 | 57-129 |
| Vinyl chloride | ug/L (ppb) | 50 | <0.2 | 91 | 61-139 |
| Bromomethane | ug/L (ppb) | 50 | <1 | 79 | 20-265 |
| Chloroethane | ug/L (ppb) | 50 | <1 | 78 | 55-149 |
| Trichlorofluoromethane | ug/L (ppb) | 50 | <1 | 90 | 65-137 |
| Acetone | ug/L (ppb) | 250 | <50 | 84 | 48-149 |
| 1,1-Dichloroethene | ug/L (ppb) | 50 | <1 | 87 | 71-123 |
| Hexane | ug/L (ppb) | 50 | <1 | 95 | 44-139 |
| Methylene chloride | ug/L (ppb) | 50 | <5 | 106 | 61-126 |
| Methyl t-butyl ether (MTBE) | ug/L (ppb) | 50 | <1 | 103 | 68-125 |
| trans-1,2-Dichloroethene | ug/L (ppb) | 50 | <1 | 97 | 72-122 |
| 1,1-Dichloroethane | ug/L (ppb) | 50 | <1 | 98 | 79-113 |
| 2,2-Dichloropropane | ug/L (ppb) | 50 | <1 | 102 | 48-157 |
| cis-1,2-Dichloroethene | ug/L (ppb) | 50 | <1 | 99 | 63-126 |
| Chloroform | ug/L (ppb) | 50 | <1 | 99 | 77-117 |
| 2-Butanone (MEK) | ug/L (ppb) | 250 | <10 | 74 | 70-135 |
| 1,2-Dichloroethane (EDC) | ug/L (ppb) | 50 | <1 | 103 | 70-119 |
| 1,1,1-Trichloroethane | ug/L (ppb) | 50 | <1 | 103 | 75-121 |
| 1,1-Dichloropropene | ug/L (ppb) | 50 | <1 | 98 | 67-121 |
| Carbon tetrachloride | ug/L (ppb) | 50 | <1 | 107 | 70-132 |
| Benzene | ug/L (ppb) | 50 | <0.35 | 97 | 75-114 |
| Trichloroethene | ug/L (ppb) | 50 | 2.4 | 100 | 73-122 |
| 1,2-Dichloropropane | ug/L (ppb) | 50 | <1 | 99 | 80-111 |
| Bromodichloromethane | ug/L (ppb) | 50 | <1 | 108 | 78-117 |
| Dibromomethane | ug/L (ppb) | 50 | <1 | 94 | 73-125 |
| 4-Methyl-2-pentanone | ug/L (ppb) | 250 | <10 | 104 | 79-140 |
| cis-1,3-Dichloropropene | ug/L (ppb) | 50 | <1 | 114 | 76-120 |
| Toluene | ug/L (ppb) | 50 | <1 | 103 | 73-117 |
| trans-1,3-Dichloropropene | ug/L (ppb) | 50 | <1 | 98 | 75-122 |
| 1,1,2-Trichloroethane | ug/L (ppb) | 50 | <1 | 110 | 81-116 |
| 2-Hexanone | ug/L (ppb) | 250 | <10 | 104 | 74-127 |
| 1,3-Dichloropropane | ug/L (ppb) | 50 | <1 | 108 | 80-113 |
| Tetrachloroethene | ug/L (ppb) | 50 | <1 | 96 | 40-155 |
| Dibromochloromethane | ug/L (ppb) | 50 | <1 | 99 | 69-129 |
| 1,2-Dibromoethane (EDB) | ug/L (ppb) | 50 | <1 | 97 | 79-120 |
| Chlorobenzene | ug/L (ppb) | 50 | <1 | 99 | 75-115 |
| Ethylbenzene | ug/L (ppb) | 50 | <1 | 101 | 66-124 |
| 1,1,1,2-Tetrachloroethane | ug/L (ppb) | 50 | <1 | 112 | 76-130 |
| m,p-Xylene | ug/L (ppb) | 100 | <2 | 101 | 63-128 |
| o-Xylene | ug/L (ppb) | 50 | <1 | 105 | 64-129 |
| Styrene | ug/L (ppb) | 50 | <1 | 106 | 56-142 |
| Isopropylbenzene | ug/L (ppb) | 50 | <1 | 100 | 74-122 |
| Bromoform | ug/L (ppb) | 50 | <1 | 111 | 49-138 |
| n-Propylbenzene | ug/L (ppb) | 50 | <1 | 105 | 65-129 |
| Bromobenzene | ug/L (ppb) | 50 | <1 | 103 | 70-121 |
| 1,3,5-Trimethylbenzene | ug/L (ppb) | 50 | <1 | 109 | 60-138 |
| 1,1,2,2-Tetrachloroethane | ug/L (ppb) | 50 | <1 | 114 | 77-120 |
| 1,2,3-Trichloropropane | ug/L (ppb) | 50 | <1 | 102 | 62-125 |
| 2-Chlorotoluene | ug/L (ppb) | 50 | <1 | 104 | 40-159 |
| 4-Chlorotoluene | ug/L (ppb) | 50 | <1 | 105 | 76-122 |
| tert-Butylbenzene | ug/L (ppb) | 50 | <1 | 107 | 74-125 |
| 1,2,4-Trimethylbenzene | ug/L (ppb) | 50 | <1 | 105 | 59-136 |
| sec-Butylbenzene | ug/L (ppb) | 50 | <1 | 109 | 69-127 |
| p-Isopropyltoluene | ug/L (ppb) | 50 | <1 | 107 | 64-132 |
| 1,3-Dichlorobenzene | ug/L (ppb) | 50 | <1 | 99 | 77-113 |
| 1,4-Dichlorobenzene | ug/L (ppb) | 50 | <1 | 84 | 75-110 |
| 1,2-Dichlorobenzene | ug/L (ppb) | 50 | <1 | 99 | 70-120 |
| 1,2-Dibromo-3-chloropropane | ug/L (ppb) | 50 | <10 | 119 | 69-129 |
| 1,2,4-Trichlorobenzene | ug/L (ppb) | 50 | <1 | 107 | 66-123 |
| Hexachlorobutadiene | ug/L (ppb) | 50 | <1 | 93 | 53-136 |
| Naphthalene | ug/L (ppb) | 50 | <1 | 109 | 60-145 |
| 1,2,3-Trichlorobenzene | ug/L (ppb) | 50 | <1 | 112 | 59-130 |

Date of Report: 01/28/20
Date Received: 01/03/20
Project: Dawn Food, F&BI 001037

## QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Percent Recovery LCSD | Acceptance Criteria | RPD (Limit 20) |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ug/L (ppb) | 50 | 105 | 117 | 50-157 | 11 |
| Chloromethane | ug/L (ppb) | 50 | 98 | 101 | 62-130 | 3 |
| Vinyl chloride | ug/L (ppb) | 50 | 112 | 117 | 70-128 | 4 |
| Bromomethane | ug/L (ppb) | 50 | 91 | 93 | 60-143 | 2 |
| Chloroethane | ug/L (ppb) | 50 | 93 | 95 | 66-149 | 2 |
| Trichlorofluoromethane | ug/L (ppb) | 50 | 103 | 111 | 65-138 | 7 |
| Acetone | ug/L (ppb) | 250 | 84 | 118 | 44-145 | 34 vo |
| 1,1-Dichloroethene | ug/L (ppb) | 50 | 102 | 111 | 72-121 | 8 |
| Hexane | ug/L (ppb) | 50 | 96 | 94 | 51-153 | 2 |
| Methylene chloride | ug/L (ppb) | 50 | 127 | 119 | 63-132 | 7 |
| Methyl t-butyl ether (MTBE) | ug/L (ppb) | 50 | 111 | 108 | 70-122 | 3 |
| trans-1,2-Dichloroethene | ug/L (ppb) | 50 | 110 | 106 | 76-118 | 4 |
| 1,1-Dichloroethane | ug/L (ppb) | 50 | 111 | 108 | 77-119 | 3 |
| 2,2-Dichloropropane | ug/L (ppb) | 50 | 108 | 104 | 62-141 | 4 |
| cis-1,2-Dichloroethene | ug/L (ppb) | 50 | 111 | 107 | 76-119 | 4 |
| Chloroform | ug/L (ppb) | 50 | 110 | 107 | 78-117 | 3 |
| 2-Butanone (MEK) | ug/L (ppb) | 250 | 67 | 74 | 48-150 | 10 |
| 1,2-Dichloroethane (EDC) | ug/L (ppb) | 50 | 106 | 107 | 75-116 | 1 |
| 1,1,1-Trichloroethane | ug/L (ppb) | 50 | 114 | 107 | 80-116 | 6 |
| 1,1-Dichloropropene | ug/L (ppb) | 50 | 103 | 101 | 78-119 | 2 |
| Carbon tetrachloride | ug/L (ppb) | 50 | 116 | 113 | 72-128 | 3 |
| Benzene | ug/L (ppb) | 50 | 101 | 99 | 75-116 | 2 |
| Trichloroethene | ug/L (ppb) | 50 | 100 | 103 | 72-119 | 3 |
| 1,2-Dichloropropane | ug/L (ppb) | 50 | 92 | 99 | 79-121 | 7 |
| Bromodichloromethane | ug/L (ppb) | 50 | 104 | 111 | 76-120 | 7 |
| Dibromomethane | ug/L (ppb) | 50 | 92 | 96 | 79-121 | 4 |
| 4-Methyl-2-pentanone | ug/L (ppb) | 250 | 102 | 105 | 54-153 | 3 |
| cis-1,3-Dichloropropene | ug/L (ppb) | 50 | 102 | 109 | 76-128 | 7 |
| Toluene | ug/L (ppb) | 50 | 108 | 102 | 79-115 | 6 |
| trans-1,3-Dichloropropene | ug/L (ppb) | 50 | 98 | 95 | 76-128 | 3 |
| 1,1,2-Trichloroethane | ug/L (ppb) | 50 | 112 | 109 | 78-120 | 3 |
| 2-Hexanone | ug/L (ppb) | 250 | 106 | 105 | 49-147 | 1 |
| 1,3-Dichloropropane | ug/L (ppb) | 50 | 109 | 105 | 81-111 | 4 |
| Tetrachloroethene | ug/L (ppb) | 50 | 102 | 96 | 78-109 | 6 |
| Dibromochloromethane | ug/L (ppb) | 50 | 102 | 104 | 63-140 | 2 |
| 1,2-Dibromoethane (EDB) | ug/L (ppb) | 50 | 102 | 103 | 82-118 | 1 |
| Chlorobenzene | ug/L (ppb) | 50 | 100 | 101 | 80-113 | 1 |
| Ethylbenzene | ug/L (ppb) | 50 | 105 | 103 | 83-111 | 2 |
| 1,1,1,2-Tetrachloroethane | ug/L (ppb) | 50 | 119 | 117 | 76-125 | 2 |
| m,p-Xylene | ug/L (ppb) | 100 | 98 | 102 | 81-112 | 4 |
| o-Xylene | ug/L (ppb) | 50 | 104 | 108 | 81-117 | 4 |
| Styrene | ug/L (ppb) | 50 | 101 | 105 | 83-121 | 4 |
| Isopropylbenzene | ug/L (ppb) | 50 | 106 | 109 | 78-118 | 3 |
| Bromoform | ug/L (ppb) | 50 | 108 | 113 | 40-161 | 5 |
| n-Propylbenzene | ug/L (ppb) | 50 | 99 | 102 | 81-115 | 3 |
| Bromobenzene | ug/L (ppb) | 50 | 96 | 100 | 80-113 | 4 |
| 1,3,5-Trimethylbenzene | ug/L (ppb) | 50 | 105 | 106 | 83-117 | 1 |
| 1,1,2,2-Tetrachloroethane | ug/L (ppb) | 50 | 105 | 111 | 79-118 | 6 |
| 1,2,3-Trichloropropane | ug/L (ppb) | 50 | 94 | 101 | 74-116 | 7 |
| 2-Chlorotoluene | ug/L (ppb) | 50 | 100 | 102 | 79-112 | 2 |
| 4-Chlorotoluene | ug/L (ppb) | 50 | 99 | 102 | 80-116 | 3 |
| tert-Butylbenzene | ug/L (ppb) | 50 | 109 | 109 | 81-119 | 0 |
| 1,2,4-Trimethylbenzene | ug/L (ppb) | 50 | 108 | 107 | 81-121 | 1 |
| sec-Butylbenzene | ug/L (ppb) | 50 | 113 | 111 | 83-123 | 2 |
| p-Isopropyltoluene | ug/L (ppb) | 50 | 111 | 109 | 81-117 | 2 |
| 1,3-Dichlorobenzene | ug/L (ppb) | 50 | 101 | 101 | 80-115 | 0 |
| 1,4-Dichlorobenzene | ug/L (ppb) | 50 | 87 | 85 | 77-112 | 2 |
| 1,2-Dichlorobenzene | ug/L (ppb) | 50 | 107 | 100 | 79-115 | 7 |
| 1,2-Dibromo-3-chloropropane | ug/L (ppb) | 50 | 119 | 120 | 62-133 | 1 |
| 1,2,4-Trichlorobenzene | ug/L (ppb) | 50 | 113 | 103 | 75-119 | 9 |
| Hexachlorobutadiene | ug/L (ppb) | 50 | 95 | 88 | 70-116 | 8 |
| Naphthalene | ug/L (ppb) | 50 | 115 | 109 | 72-131 | 5 |
| 1,2,3-Trichlorobenzene | ug/L (ppb) | 50 | 118 | 109 | 74-122 | 8 |

# Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

001037

# SAMPLE CHAIN OF CUSTODY

ME 01-04-20 VS2/ADG/4 AM4/PW4

Page # 1 of 4

Report To Ms. Jamie Stevens

Company Crete Consulting

Address 108 S. WASHINGTON ST., Suite 300

City, State, ZIP Seattle, WA 98104

Phone 206-799-2744 Email jamie.stevens@creteconsulting.com

SAMPLERS (*signature*) PL VB

PROJECT NAME: Dawn Foods

PO #:

REMARKS:

Project specific RLs? - Yes / No

INVOICE TO: Crete

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other
- Default: Dispose after 30 days

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | ANALYSES REQUESTED: NWTPH-Dx | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | | | | | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GP-SB-5-12 | 01A-E | 1.2.20 | 12:20 | SOIL | 5 | | | | | | | | | | | | ARCHIVE |
| GP-SB-1-9 | 02 | | 8:57 | | | | | | - | | | | | | | | |
| GP-SB-4-4 | 03 | | 11:20 | | | | | | | | | | | | | | |
| GP-SB-5-7 | 04 | | 12:15 | | | | | | | | | | | | | | |
| GP-SB-6-4 | 05 | | 12:56 | | | | | | | | | | | | | | |
| GP-SB-4-8 | 06 | | 11:35 | | | | | | | | | | | | | | |
| GP-SB-2-4 | 07 | | 9:25 | | | | | | | | | | | | | | |
| GP-SB-6-10 | 08 | | 13:15 | | | | | | | | | | | | | | |
| GP-SB-7-8 | 09 | | 14:20 | | | | | | | | | | | | | | |
| GP-SB-7-4 | 10 | | 14:10 | | | | | | | | | | | | | | |

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---|---|---|---|---|
| Relinquished by: PL VB | Paul V. Bianco | Crete | 1.3.20 | 13:43 |
| Received by: | VINH | FBI | 1/3/20 | 13:43 |
| Relinquished by: | | | | |
| Received by: | | Samples received at 2 °C | | |

*Friedman & Bruya, Inc.*
*3012 16th Avenue West*
*Seattle, WA 98119-2029*
*Ph. (206) 285-8282*

001037

# SAMPLE CHAIN OF CUSTODY

ME 01-04-20

VS2/AI6/AQ4/VW4

Page # 2 of 4

Report To Ms. Jamie Stevens

Company Crete Consulting

Address 108 S. Washington St., Suite 300

City, State, ZIP Seattle, WA 98104

Phone 206.799.2744 Email jamie.stevens@crete consulting.com

SAMPLERS (signature) PL VB

PROJECT NAME: Dawn Foods

PO #:

REMARKS:

Project specific RLs? - Yes / No

INVOICE TO: Crete

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other
- Default: Dispose after 30 days

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | NWTPH-Dx | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | METALS As Cd Cu Hg Ni Pb Zn | | | | Notes (X-pr 5S 1/6/20) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GP-SB-1-4 | 11 A-E | 1.2.20 | 8:44 | SOIL | 5 | | | | | | | | | | | | ARCHIVE |
| DRUM-1-0120 | 12 | 1.2.20 | 14:45 | SOIL | 5 | X | X | | | X | Y | | X | | | | ~~ARCHIVE~~ |
| GP-SB-3-12 | 13 | 1.2.20 | 10:30 | SOIL | 5 | | | | | | | | | | | | ARCHIVE |
| GP-SB-2-12 | 14 | 1.2.20 | 9:40 | SOIL | 5 | | | | | | | | | | | | ARCHIVE |
| GP-SB-3-4 | 15 | 1.2.20 | 10:20 | SOIL | 5 | | | | | | | | | | | | ARCHIVE |
| GP-SB-1 | 16 | 1.2.20 | 8:55 | WATER | 5 | | | | | X | | | | | | | cVOCs only |
| GP-SB-1-FILTER | 17 | 1.2.20 | 8:55 | WATER | 1 | | | | | | | | | | | | ARCHIVE |
| GP-SB-2 | 18 A-E | 1.2.20 | 9:45 | WATER | 5 | | | | | X | | | | | | | cVOCs only |
| GP-SB-2 FILTER | 19 | 1.2.20 | 9:45 | WATER | 1 | | | | | | | | | | | | ARCHIVE |
| GP-SB-3 | 20 A-E | 1.2.20 | 10:25 | WATER | 5 | | | | | X | | | X | | | | |

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---|---|---|---|---|
| Relinquished by: PL VB | Paul Bianco | Crete | 1.3.20 | 13:43 |
| Received by: | VINH | FBI | 1/3/20 | 13:43 |
| Relinquished by: | | | | |
| Received by: | | Samples received at 2 °C | | |

*Friedman & Bruya, Inc.*
*3012 16th Avenue West*
*Seattle, WA 98119-2029*
*Ph. (206) 285-8282*

001037

# SAMPLE CHAIN OF CUSTODY

ME 01-04-20 VS2/ADG/ADG/VWH

Page # 3 of 4

Report To Ms. Janie Stevens
Company Crete Consulting
Address 108 S. Washington St., Suite 300
City, State, ZIP Seattle, WA 98104
Phone 206-799.2744 Email janie.stevens@cretecountry.com

SAMPLERS (*signature*) P L V B

PROJECT NAME: Dawn Foods

PO #:

REMARKS:

Project specific RLs? - Yes / No

INVOICE TO: Crete

TURNAROUND TIME
☑ Standard turnaround
☐ RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
☐ Archive samples
☐ Other
Default: Dispose after 30 days

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | NWTPH-Dx | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | METALS; As Cd Cu Hg Ni Pb Zn | | | | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GP-SB-3-FILTER | 21 | 1.2.20 | 10:25 | WATER | 1 | | | | | | | | X | | | | DISSOLVED METALS |
| GP-SB-4 | 22A-E | | 11:35 | | 5 | | | | | | | | | | | | ARCHIVE |
| GP-SB-4-FILTER | 23 | | 11:35 | | 1 | | | | | | | | | | | | ARCHIVE |
| GP-SB-5 | 24A-E | | 12:15 | | 5 | | | | | X | | | X | | | | |
| GP-SB-5-FILTER | 25 | | 12:15 | | 1 | | | | | | | | X | | | | DISSOLVED METALS |
| GP-SB-6 | 26A-E | | 13:15 | | 5 | | | | | X | | | X | | | | |
| GP-SB-6-FILTER | 27 | | 13:15 | | 1 | | | | | | | | X | | | | DISSOLVED METALS |
| GP-SB-7 | 28A-E | | 14:25 | | 5 | | | | | | | | | | | | ARCHIVE |
| GP-SB-7-FILTER | 29 | | 14:25 | | 1 | | | | | | | | | | | | ARCHIVE |
| GP-SB-99 | 30 AE | | 14:45 | | 5 | | | | | | | | | | | | ARCHWE |

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---|---|---|---|---|
| Relinquished by: P L V B | Paul Bianco | Crete | 1.3.20 | 13:43 |
| Received by: | VWH | FBI | 1/3/20 | 1343 |
| Relinquished by: | | | | |
| Received by: | | Samples received at 2 °C | | |

*Friedman & Bruya, Inc.*
*3012 16th Avenue West*
*Seattle, WA 98119-2029*
*Ph. (206) 285-8282*

001037

# SAMPLE CHAIN OF CUSTODY ME 01-04-20

VS2/AI6/A04/VN4

Page # 4 of 4

Report To Ms. Jamie Stevens
Company Crete Consulting
Address 108 S. Washington St. Suite 300
City, State, ZIP Seattle, WA 98104
Phone 206-799-2744 Email ~~consult~~ jamie.stevens@creteconsulting.com

SAMPLERS (*signature*)

PROJECT NAME: Dawn Foods

PO #

REMARKS

Project specific RLs? - Yes / No

INVOICE TO: Crete

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other
Default: Dispose after 30 days

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | NWTPH-Dx | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | | | | | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GP-SB-99-FILTER | 31 | 1.2.20 | 14:45 | WATER | 1 | | | | | | | | | | | | ARCHIVE |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

ANALYSES REQUESTED

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---|---|---|---|---|
| Relinquished by: | Paul Bianco | Crete | 1.3.20 | 13:43 |
| Received by: | VINH | FBI | 1/3/20 | 13:43 |
| Relinquished by: | | | | |
| Received by: | | Samples received at 2°C | | |

*Friedman & Bruya, Inc.*
*3012 16th Avenue West*
*Seattle, WA 98119-2029*
*Ph. (206) 285-8282*