



Prepared For:

910 Mayer LLC

**Site Investigation Work Plan -
Former Spice Room**
Former Oscar Mayer Facility,
Madison, Wisconsin
BRRTS Activity # 02-13-580722

March 2017

Environmental Resources Management
700 West Virginia Street
Suite 601
Milwaukee, Wisconsin 53204

Prepared for: 910 Mayer LLC

***Site Investigation Work Plan – Former
Spice Room***

*Former Oscar Mayer Facility,
Madison, Wisconsin*

March 2017

Project Number: 0441161



Thomas O'Connell
Partner in Charge



David de Courcy-Bower
Senior Project Manager

Environmental Resources Management

700 West Virginia Street
Suite 601
Milwaukee, Wisconsin 53204
414.289.9505(p)
414.289.9552(f)

<http://www.erm.com>

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Environmental Resources Management, Inc. (ERM), on behalf of 910 Mayer LLC (the “Client”), prepared this work plan to further investigate soil and groundwater conditions at the former Oscar Mayer facility (“the Site”) located at 910 Mayer Ave in Madison, Wisconsin (Figure 1). The work plan has been prepared to satisfy the requirements of the Wisconsin Administrative Code (WAC) Section NR 716.09 Site Investigation Work Plan. The Wisconsin Department of Natural Resources (WDNR or the “Department”) requires that a work plan be prepared and submitted to the Department prior to initiation of investigation activities. The site investigation will be initiated within 90 days of submittal or within 60 days of receiving Department comments.

ERM performed a Phase II ESA on behalf of 910 Mayer LLC in connection with its diligence activities in connection with its potential acquisition of the property. The Phase II included 63 soil borings, numerous soil and groundwater samples, and 16 sub-slab vapor samples. ERM disclosed the results of the Phase II investigation to 910 Mayer LLC, who forwarded them to Kraft Heinz Food Company (“Kraft Heinz”) the property owner at the time. Kraft Heinz shared the results with Ramboll-Environ, who, on behalf of Kraft Heinz, reported three notifications of release to the WDNR on October 19, 2017. 910 Mayer LLC purchased the property on October 18, 2017. Subsequently, ERM followed up with the WDNR and became aware that the WDNR had not received the three notifications due to the size of the electronic notifications. Therefore, ERM forwarded the three notifications of release to the WDNR on November 29, 2016. 910 Mayer LLC had previously informed the WDNR in a letter dated October 30, 2017 that they had acquired the Site, effective October 18, 2017.

The first of three notifications of release reported to the WDNR related to concentrations of volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and lead detected in soil and/or groundwater above WDNR criteria in soil borings installed in the vicinity of three former filling stations located in the East parking lot (activity number 02-13-580722). The second notification of release related to concentrations of chlorinated volatile organic compounds (CVOCs), primarily 1,2-dichloroethane (ethylene dichloride), PAHs, arsenic and lead in soil and/or groundwater above WDNR criteria in the vicinity of the former ethylene dichloride above ground storage tanks (ASTs) located in the unpaved grassy area south of Building 59 (activity number 02-13-580721). The third notification of release related to concentrations of CVOCs detected in sub-slab soil gas samples collected in and around the former spice room located in Building 43 (activity number 02-13-580723).

This work plan specifically focuses on the third notification of release in the vicinity of the former spice room located in Building 43 (activity number 02-13-580723).

2.0 *PROJECT BACKGROUND*

2.1 *SITE LOCATION, CONTACTS, AND DESCRIPTION*

The Site is located at 910 Mayer Avenue in Madison, Wisconsin. The Site is located in the NE ¼ of the SW ¼ of Section 31, Township 08 North, Range 10 East in Dane County, Wisconsin. The location of the Site is shown on Figure 1, developed from the United States Geological Survey (USGS) 7.5-minute quadrangle for Madison East dated 1983.

The following contact information is provided for the facility and environmental consultant:

Facility Representatives: Marc Esrig
910 Mayer LLC
15 Reservoir Road
White Plains, NY 10603
914.614.1800
mesrig@reichbros.com

Environmental Consultant: David de Courcy-Bower
Environmental Resources Management, Inc.
700 W. Virginia Street, Suite 601
Milwaukee, Wisconsin 53204
414-977-4705 (telephone)
414-289-9552 (fax)
david.decourcybower@erm.com

The Site is located in a mixed use area (industrial, commercial, recreational, and residential). The Site is approximately 70 acres in size, divided into the "Central", "East", and "West" Properties. The West Property consists of three parcels and is separated from the Central Property by the Soo Line Railroad right-of-way, and the East Property is a single parcel and is separated from the Central Property by Packers Avenue (see Figure 2). The East Property is leased to the City of Madison for recreational purposes and includes ball fields, concessions, and a parking lot and was not investigated as part of ERM's Phase II ESA. Portions of the West Property are leased to the City of Madison for a bus terminal and commuter parking lot, and to Decker, a local construction supply company.

The former spice room is located on the Central Property of the Site. The Central Property consists of two parcels that contain former manufacturing complexes, business offices, and supporting infrastructure buildings with a combined

building area of approximately 570,000 square feet related to the former meat production operations, which were shut down by August 2017.

2.2 *PHYSICAL SETTINGS*

2.2.1 *Topography and Hydrology*

The Site is located at an elevation of approximately 855 feet above mean sea level, is generally flat, and slopes slightly to the south. Surface water at the Site also drains to the east via overland flow to storm drains that discharge into either Lake Mendota or Lake Monona. The overall topographic trend of the surrounding area also slopes to the south. The nearest surface water body is Lake Mendota.

According to flood zone and National Wetland Inventory (NWI) data collected, the Site is not located within wetland delineated areas or the 100 or 500-year flood plains. Flood zone and NWI data was obtained by EDR from the Federal Emergency Management Agency (FEMA) and U.S. Fish and Wildlife Services, respectively. The mean elevation of Lake Mendota is 847 feet and the mean elevation of Lake Monona is 844 feet, both lakes being several feet lower than the Site elevation and not likely to flood as a result of high water levels.

2.2.2 *Geology and Hydrogeology*

According to the United States Department of Agriculture Natural Resources Conservation Service web soil survey data for Dane County, the surface soils in the vicinity of the Site are a combination of Virgil Silt Loam and Colwood Silt Loam and re-worked fill material consisting of sandy loam. The Virgil Silt Loam is described as a Class B soil with moderate infiltration rates, moderately well and well-drained soils with moderately coarse textures. The Colwood Silt Loam is described as a Class B/D soil with a drained/undrained hydrology class of soils that can be drained and are classified as poorly drained. Previous investigations at the Site encountered fill material overlying wetland-type deposits. On the southern portion of the Site this included muck, decayed organic material, and organic clay soils. On the east side of the Site, reworked fill overlays an asphalt surface.

Groundwater was encountered at depths ranging between 1 and 10 feet below ground surface (ft bgs). ERM's review of historic environmental investigations on the property and on adjacent properties indicates that the groundwater flow is inconsistent and varies depending upon geologic intervals, time of year, and amount of precipitation. Additionally, because of the shallow nature of the water table, direction of flow can be influenced by buried utility corridors, including the infiltration and exfiltration of sewers. The regional direction of

groundwater flow is from east to west or southwest toward Lakes Mendota and Monona.

According to well driller's records in the area, the shallow subsurface is comprised of sand and clay deposits overlying sandstone bedrock which is encountered at least 200 ft bgs.

2.3 *SUMMARY OF PREVIOUS PHASE II INVESTIGATIONS*

In connection with its pre-acquisition diligence, ERM conducted a Phase II ESA that included the advancement of 63 soil borings and installation of temporary monitoring wells in all but seven of the borings. Finally, 16 sub-slab vapor samples were collected. The results of the Phase II included detections of contaminants that were associated with four closed WDNR documented environmental release incidents and response actions (BRRTS #: 02-13-000895, 02-13-221826, 03-13-001744, and 03-13-114831), but also some that were not previously reported. Based upon the results of the investigation, Ramboll-Environ reported three notifications of release to the WDNR. A map of 2017 Phase II investigation locations and the results of the ERM Phase II ESA are provided in Appendix A, the laboratory reports are provided in Appendix B, and the relevant soil boring logs are provided in Appendix C.

The investigation proposed in this work plan is focused on notification of release activity number 02-13-580723, which is associated with the release in the vicinity of the former spice room located in Building 43. Historically, the spice room (Building 43) was used as an area to prepare, mix and store spices used within the facility for food production. The Ramboll-Environ Phase I ESA indicated that chlorinated solvents may have historically been used in the vicinity of the spice room as part of an extraction process. Additionally, it was noted that there was corroded concrete flooring in the former spice room. During the Phase II investigation CVOCs were detected in the sub-slab soil gas sample collected in and around the former spice room located in Building 43. Trichloroethylene (TCE) was detected at concentrations that exceeded the Wisconsin sub-slab vapor risk screening level (VRSL) for industrial properties. Subsequently, six additional soil gas samples were collected in the vicinity of the spice room in an attempt to define the extent of CVOCs in sub-slab soil gas. The only CVOC detected in groundwater down-gradient of the former spice room was vinyl chloride at SB-35 at concentrations that slightly exceeded the WAC NR 140 enforcement standard (ES). This groundwater result is most likely from the closed remedial action associated with a chlorinated solvent release north of Building 50 (BRRTS# 02-13-000895). A release from the former spice room operations had not previously been reported; therefore, Ramboll-Environ notified the WDNR of the release on behalf of Kraft Heinz.

3.0 INVESTIGATION APPROACH

TCE was detected at the highest concentrations in sub-slab sampling points VP-2, VP-13, and VP-14 and was the only constituent detected above the industrial VRSL. Refer to Figure 3 for previous sample results. These points correspond with the location of the former spice room and reported historic chlorinated solvent use. The room adjacent to the former spice room to the north is a loading dock with a sunken floor. The rest of the building is at a similar floor elevation to the former spice room. Sub-slab sample results in the room immediately adjacent to the north (loading dock) were below the VRSL for TCE, and sub-slab sample results in the room immediately adjacent to the south detected TCE above the VRSL.

The building is currently unoccupied and operations have been discontinued. However, the building is planned to remain as part of future redevelopment of the site so additional vapor intrusion sampling for delineation is warranted. In addition, indoor air sampling is also proposed to evaluate indoor air conditions as a follow up to the initial sub-slab sampling. This work plan presents the following proposed activities to further delineate the vapor intrusion risk in accordance with WDNR RR-800 guidance document titled "*Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin*" dated January 2018.

3.1 SUBSURFACE UTILITY CLEARANCE

Prior to initiation of the sub-slab vapor investigation, ERM will use a subsurface clearance protocol in attempt to identify any underground infrastructure in the proposed areas of the vapor point locations. This protocol includes studying maps of the underground infrastructure and conducting public and private utility locates to identify underground utilities in areas where proposed intrusive work will be conducted. Additionally, a portable ground-penetrating radar (GPR) machine will be used to locate concrete rebar and ensure the absence of subsurface utilities prior to coring through the concrete floor.

3.2 VAPOR POINT INSTALLATION

3.2.1 Sub-Slab Vapor Point Installation

ERM will install 11 permanent sub-slab vapor points. Seven vapor points will replace the temporary monitoring points from the Phase II ESA that were abandoned. Four monitoring points will further define TCE sub-slab soil gas impacts to the south, west, and along a storm drain under the building. East of the area is the building exterior and the north area has been sufficiently defined. ERM reviewed building foundation and utility drawings and selected locations

for investigation based on these features and proximity to the former spice room which is the likely source area. Field verification of these features will be made prior to installation and locations will be adjusted accordingly. Refer to Figure 4 for the proposed sub-slab vapor point location.

At each sub-slab vapor point location, the floor will be cored using a hammer drill and a 5/8-inch diameter drill bit to penetrate the concrete. The location will then be over-drilled with a 2.25-inch diameter drill bit to a depth of 2-inches to accommodate a vapor point cover. A 0.5-inch stainless-steel Vapor Pin® with silicone sleeve will be installed in the hole. After installation, a water dam will be placed around each pin to test the surface seal. If the water level in the water dam changes over a 5-minute interval, the vapor pin will be removed and reseated.

3.3 AIR AND VAPOR SAMPLING

3.3.1 *Indoor Air Vapor Collection*

ERM will collect five indoor air samples. One in the former spice room, one in the room immediate adjacent to the south, one in the warehouse to the south, one in the hallway to the west of the spice room, and one in the warehouse to the west of the hallway. Refer to Figure 4 for indoor air sample locations. Indoor air samples will be collected prior to the installation of sub-slab vapor points to avoid cross contamination. ERM understands that TCE is no longer in use in these buildings.

During the indoor air sample collection period, the heating, ventilation, and air conditioning (HVAC) system operating conditions will be documented. Samples will be collected using a 6-liter summa canister fitted with an 8-hour flow control valve. Each indoor air sample will be collected over the 8-hour interval ensuring that a partial vacuum remains in the canister.

3.3.2 *Ambient Air Vapor Collection*

ERM will collect one ambient air (background) sample outdoors concurrent with the indoor air samples. On the day of sampling, the wind direction will be checked so the ambient air sample can be located upwind. The ambient air sample will be collected using a 6-liter summa canister fitted with an 8-hour flow control valve and collected over the same duration as the indoor air samples. Canister vacuum will be periodically monitored during the sample interval to ensuring that a partial vacuum remains in the canister.

3.3.3 *Sub-Slab Vapor Collection*

After collection of the indoor and ambient air samples, eleven Vapor Pins® will be installed and sub-slab vapor samples collected. Following pin installation, headspace readings will be collected at each location using a photoionization detector (PID). The PID is capable of semi-quantitatively measuring total VOC concentrations in parts per million by volume (ppm_v) compared to an equivalent standard. A headspace reading of 1 ppm_v or less is used as an indication of clean soil gas conditions.

The Vapor Pin® will be connected to a 6-liter summa canister with a 30-minute flow control valve. Each sample will be collected over the 15-minute interval ensuring that a partial vacuum remains in the canister. Once the sample is collected, the canister will be disconnected and the Vapor Pin® will be capped.

3.3.4 *Vapor Sample Analysis*

Five indoor air samples, one ambient air sample, and eleven sub-slab vapor samples will be submitted for laboratory chemical analysis of TCE (Method TO-15). Samples will be collected in laboratory-supplied canisters and dispatched to the laboratory with full chain-of-custody tracking documentation. ERM will utilize a Wisconsin-certified environmental laboratory (Pace Analytical of Green Bay, Wisconsin) with a standard turn-around of 10 business days for all sample analyses.

3.4 *QA/QC*

New nitrile gloves will be used between each sample location and between each sample collected to prevent cross contamination. Any sampling materials used during sample collection will be new per each sample collected.

4.0 INVESTIGATION REPORTING AND SCHEDULE

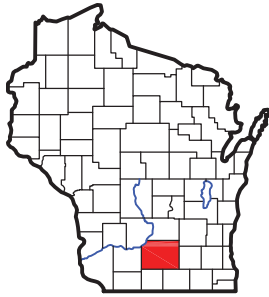
4.1 REPORTING

The Site Investigation Report (SIR) will be prepared according to ERM standard report format and WDNR requirements. The report will be submitted within 60 days after the site investigation and receipt of the laboratory data and will include a description of the Site investigation activities, field work methodologies, and analysis of the findings based on the regulatory framework, and a final evaluation. The final report, appendices, and photos will be provided to the WDNR in hard copy. Within 60 days after submitting the SIR, ERM will prepare and submit a Remedial Actions Options Report (RAOR) to WDNR, if warranted.

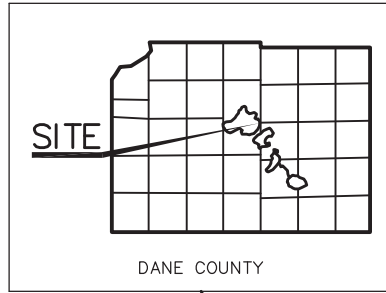
4.2 SCHEDULE

Mobilization for the sub-slab vapor point installation will be initiated once subsurface clearance activities can be completed and is anticipated to begin in April 2018. Sub-slab vapor point installation and sub-slab, indoor air, and ambient air sampling is expected to take one week. It is anticipated that field activities will be completed by June 2018. ERM will notify the WDNR of any unforeseen delays or conflicts that may impact the schedule as they arise.

FIGURES



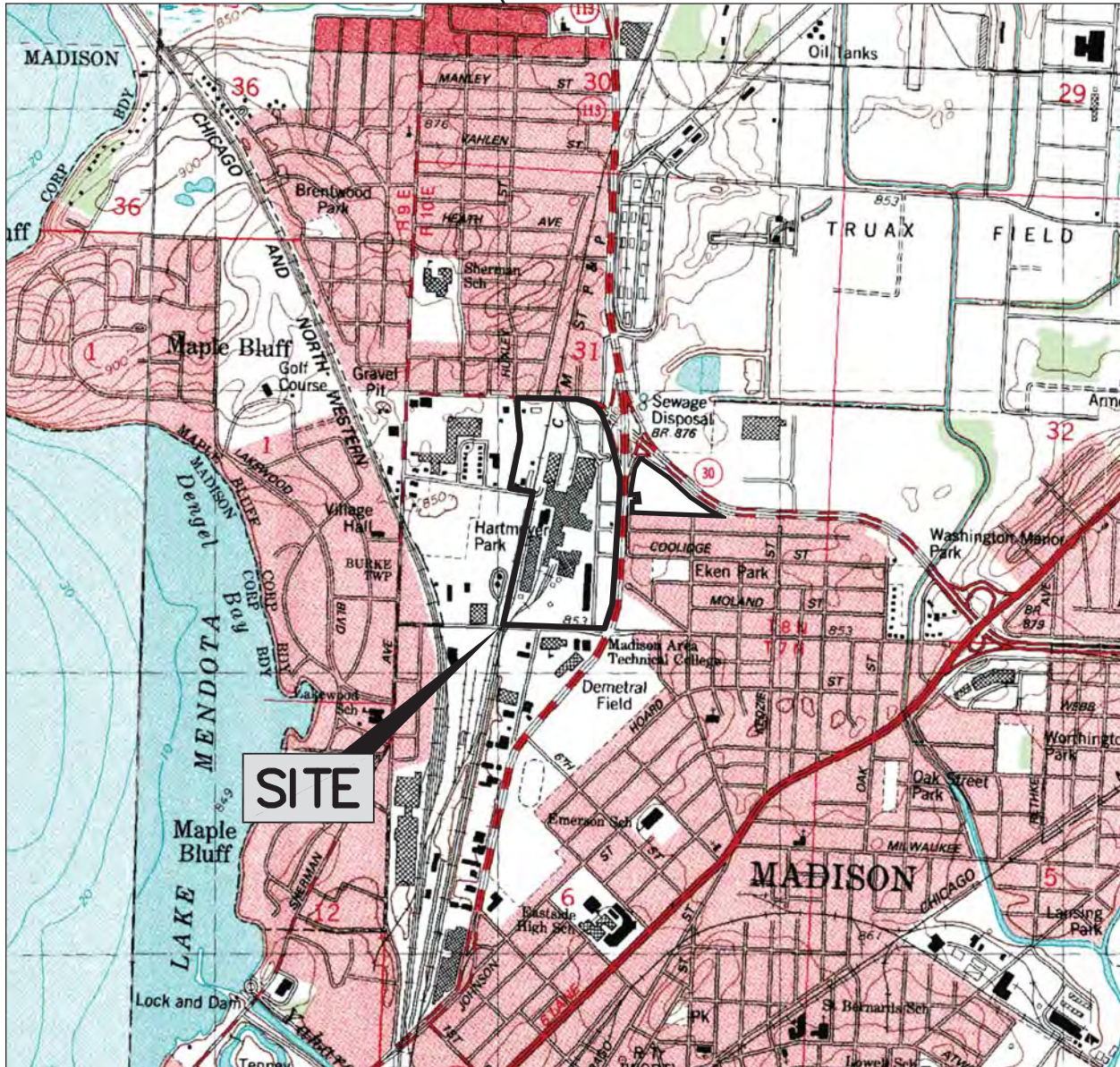
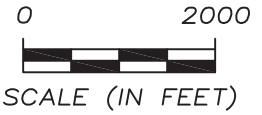
WISCONSIN



SITE

DANE COUNTY

SECTION 31
T.8N. - R.10E.
CITY OF MADISON
DANE COUNTY
WISCONSIN



SITE LOCATION MAP

ADAPTED FROM USGS
MADISON EAST/1983

REVISIONS ARE TO BE MADE ON THE CADD FILE ONLY



REICH BROTHERS

910 MAYER AVENUE
MADISON, WISCONSIN

CADD Review RMK

CHK'D CS

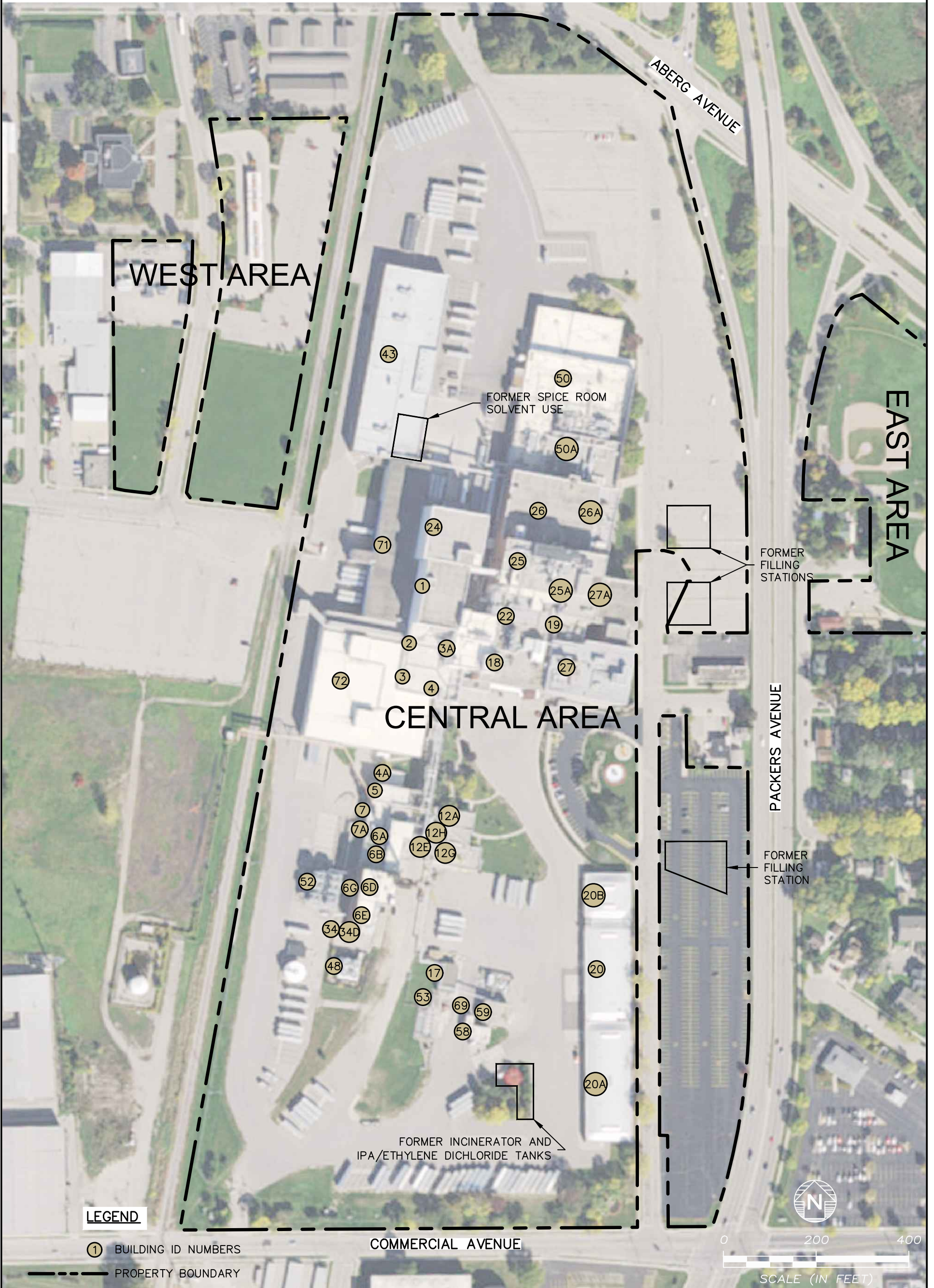
0441161

Drawn By
GML 9/27/17

Environmental Resources Management

FIGURE 1

SITE LAYOUT MAP



LEGEND

- ① BUILDING ID NUMBERS
- PROPERTY BOUNDARY

Q:\Team\IDMMV\CintM-P\910 Mayer LLC\0441161\0441161-F2.dwg, SITE LAYOUT MAP, 2/28/2018 2:33:03 PM, GML

CADD Review FGB
DRAWN BY: GML
Date Drawn/Rev'd 8/3/17-2/28/18



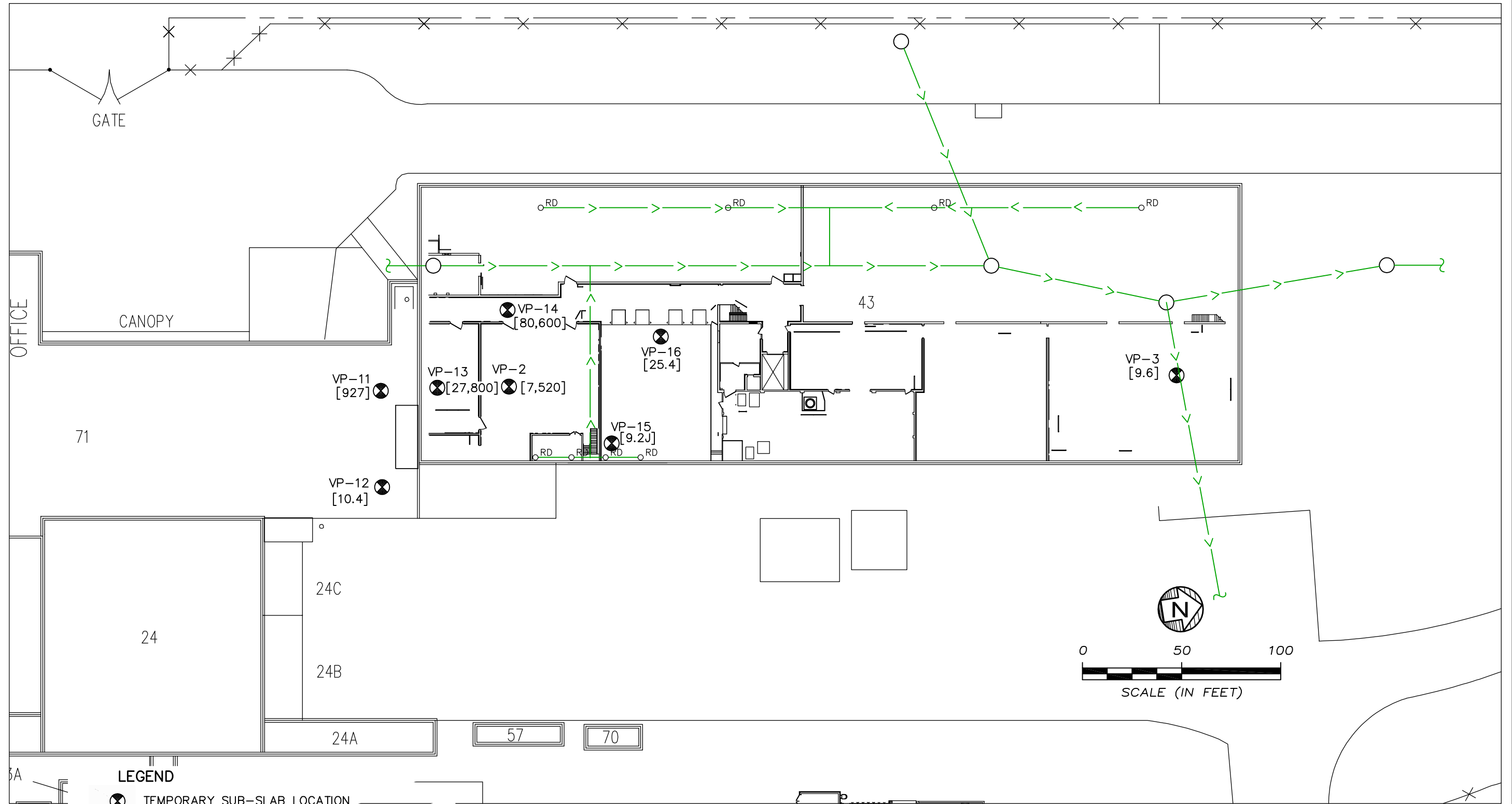
910 MAYER LLC

910 MAYER AVENUE
MADISON, WISCONSIN





Environmental Resources Management

CHK'D BY: MMV
0441161
FIGURE 2

TCE SUB-SLAB SAMPLE RESULTS BUILDING 43 AND 71



LEGEND

-  TEMPORARY SUB-SLAB LOCATION
- [927] TCE SOIL GAS RESULTS (MICROGRAMS PER CUBIC METER - $\mu\text{g}/\text{m}^3$)
-  STORM SEWER
-  STORM MANHOLE
-  ROOF DRAIN

Drawn By
GML

CADD Review
FGB

Date Drawn/Rev'd
8/14/17-2/28/18



910 MAYER LLC
910 MAYER AVENUE
MADISON, WISCONSIN

Environmental Resources Management

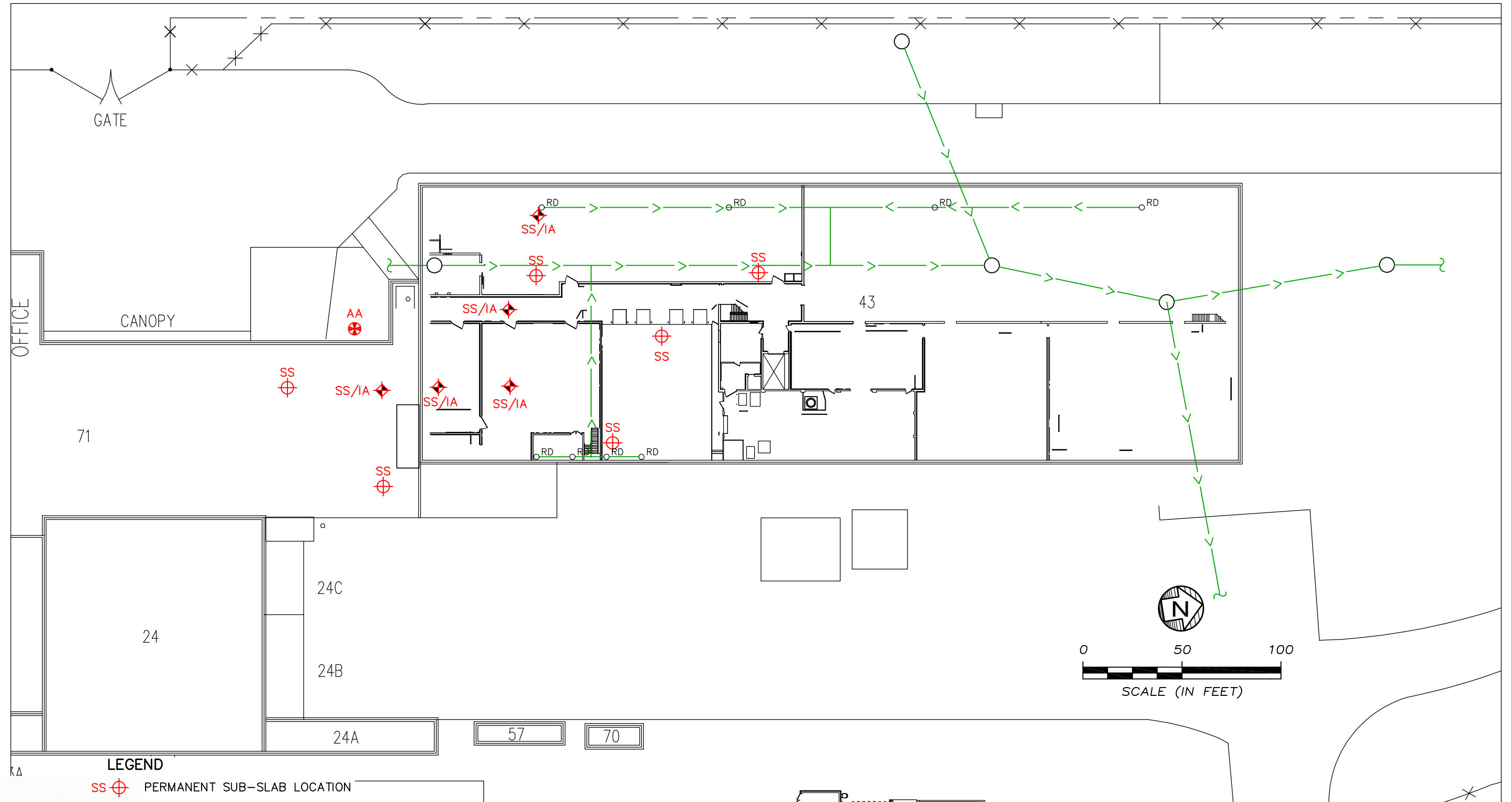
CHK'D
MMV

0441161

FIGURE 3

Q:\Team\MMV\IntfM-P1910 Mayer LLC\0441161\0441161-02.dwg, TCE SOIL GAS SAMPLE, 3/2/2018 1:25:57 PM, GML

PROPOSED VAPOR INTRUSION SAMPLING BUILDING 43 AND 71



LEGEND

- SS ⊕ PERMANENT SUB-SLAB LOCATION
- SS/IA ⊕ INDOOR AIR SAMPLE LOCATION
- AA ⊕ AMBIENT AIR SAMPLE LOCATION
- >—>— STORM SEWER
- STORM MANHOLE
- _{RD} ROOF DRAIN

Drawn By GML
CADD Review FGB
Date Drawn/Rev'd 8/14/17-2/28/18



910 MAYER LLC

910 MAYER AVENUE
MADISON, WISCONSIN

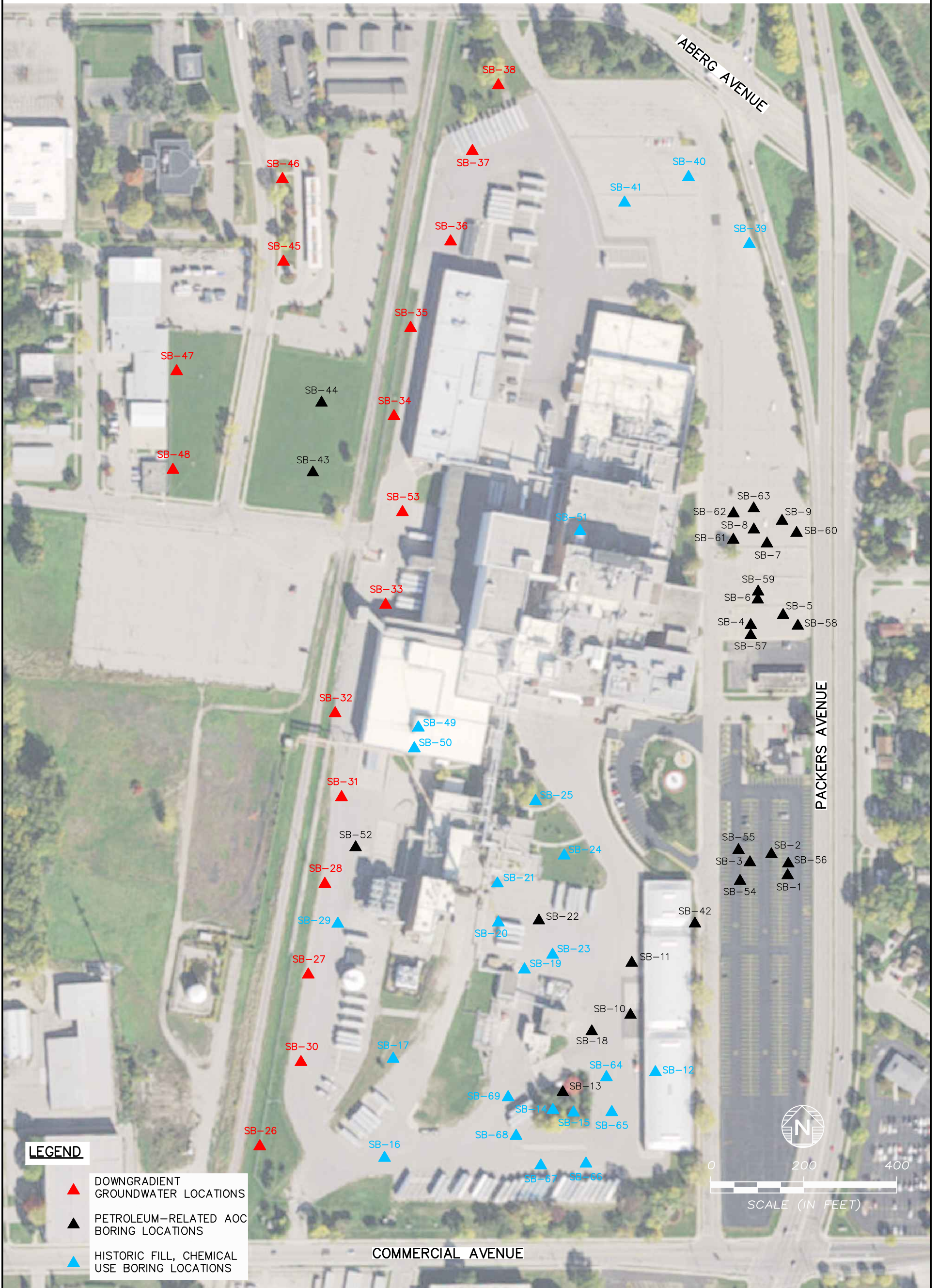
Environmental Resources Management

CHK'D MMV
0441161
FIGURE 4

Q:\Team\MMV\IntM-P1910 Mayer LLC\0441161\0441161-02.dwg, PROP VAPOR SAMPLE, 3/2/2018 1:27:04 PM, GML

*APPENDIX A ERM PHASE II ESA SAMPLING DATA
(OCTOBER 2017)*

SOIL BORING LOCATIONS MAP



Q:\Team\IDMMV\CintM-P\910 Mayer LLC\0441161\F4.dwg, SB LOC-GW FLOW, 3/9/2018 10:11:54 AM, GML

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Date Drawn/Rev'd 8/3/17-3/9/18



910 MAYER LLC

910 MAYER AVENUE
MADISON, WISCONSIN

Environmental Resources Management

CHK'D BY: MMV
0441161
FIGURE A-1

Table A-1

Summary of Soil Boring and Temporary Well Construction Data, 910 Mayer Avenue, Madison, Wisconsin.

Soil Boring ID	SPCS Easting	SPCS Northing	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Screen Top (ft)	Screen Bottom (ft)	Total Depth (ft)	Depth to Water (ft)	Ground-water Elevation (ft amsl)
SB-1	2172338.2	404876.7	856.29	NM	0	0	NM	NM	NM
SB-2	2172303.2	404921.9	855.98	NM	0	0	NM	NM	NM
SB-3	2172257.0	404904.6	855.84	NM	3	13	NM	NM	NM
SB-4	2172258.8	405414.6	854.08	NM	7	12	NM	NM	NM
SB-5	2172328.4	405436.2	853.75	NM	3	8	NM	NM	NM
SB-6	2172273.9	405469.2	854.30	NM	0	0	NM	NM	NM
SB-7	2172293.7	405589.8	855.18	NM	0	0	NM	NM	NM
SB-8	2172265.5	405620.1	854.84	NM	5	15	NM	NM	NM
SB-9	2172326.2	405638.6	854.64	NM	3	13	NM	NM	NM
SB-10	2172000.0	404576.7	853.67	NM	3	8	NM	NM	NM
SB-11	2172002.9	404688.6	853.88	NM	3	8	NM	NM	NM
SB-12*	2172076.2	404472.3	NM	NM	3	8	NM	NM	NM
SB-13	2171854.6	404410.5	852.54	NM	0	0	NM	NM	NM
SB-14	2171833.3	404372.2	852.34	NM	3	8	NM	NM	NM
SB-15	2171877.8	404366.7	852.94	NM	3	8	NM	NM	NM
SB-15D	2171877.8	404366.7	852.94	854.35	15	20	21.45	6.21	848.14
SB-16	2171471.3	404269.4	852.36	NM	0	0	NM	NM	NM
SB-17	2171527.4	404457.0	855.70	NM	5	15	NM	NM	NM
SB-18	2171916.9	404541.3	852.74	NM	5	15	NM	NM	NM
SB-19	2171772.3	404674.4	852.32	NM	3	8	NM	NM	NM
SB-20	2171716.0	404775.4	854.26	NM	7	12	NM	NM	NM
SB-21	2171714.0	404859.2	855.69	NM	5	15	NM	NM	NM
SB-22*	2171771.1	404796.9	NM	NM	6	16	NM	NM	NM
SB-23*	2171832.7	404706.0	NM	NM	11	16	NM	NM	NM
SB-24	2171857.7	404919.5	857.91	NM	6	16	NM	NM	NM
SB-25	2171796.0	405036.4	856.86	NM	10	20	NM	NM	NM
SB-26*	2171207.9	404270.5	NM	NM	0	5	NM	NM	NM
SB-27S	2171307.4	404663.3	854.62	NM	5	10	NM	NM	NM
SB-27D	2171307.4	404663.3	854.62	NM	20	30	NM	NM	NM
SB-28	2171342.9	404858.5	855.21	NM	11	16	NM	NM	NM
SB-29	2171370.8	404772.5	854.32	NM	3	8	NM	NM	NM
SB-30*	2171291.6	404475.2	NM	NM	15	20	NM	NM	NM
SB-31S	2171378.8	405044.7	855.48	NM	25	30	NM	NM	NM
SB-31D	2171378.8	405044.7	855.48	NM	7	12	NM	NM	NM
SB-32	2171365.2	405225.0	855.86	NM	9.5	14.5	NM	NM	NM
SB-33	2171473.8	405458.3	852.20	NM	3	8	NM	NM	NM
SB-34	2171491.7	405863.5	855.44	NM	7	12	NM	NM	NM
SB-35	2171527.3	406053.2	853.92	NM	11	16	NM	NM	NM
SB-36S	2171613.4	406239.3	855.33	NM	3	8	NM	NM	NM

Borings with an asterisk (*) denote approximate coordinates.

ft Feet.

ft amsl Feet above mean sea level.

NM Not measured.

SPCS State Plane Coordinate System, Wisconsin South Zone, 1927.

TOC Top of casing.

Table A-1

Summary of Soil Boring and Temporary Well Construction Data, 910 Mayer Avenue, Madison, Wisconsin.

Soil Boring ID	SPCS Easting	SPCS Northing	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Screen Top (ft)	Screen Bottom (ft)	Total Depth (ft)	Depth to Water (ft)	Ground-water Elevation (ft amsl)
SB-36D	2171613.4	406239.3	855.33	NM	18	28	NM	NM	NM
SB-37S	2171660.3	406433.6	857.27	NM	5	10	NM	NM	NM
SB-37D	2171660.3	406433.6	857.27	NM	20	30	NM	NM	NM
SB-38	2171716.1	406575.0	857.80	NM	7	12	NM	NM	NM
SB-39	2172255.9	406233.7	853.81	NM	0	0	NM	NM	NM
SB-40	2172124.9	406377.7	855.86	NM	0	0	NM	NM	NM
SB-41	2171987.4	406322.6	855.44	NM	2	12	NM	NM	NM
SB-42	2172138.7	404773.0	855.20	NM	6	16	NM	NM	NM
SB-43	2171317.1	405742.6	856.30	NM	7	12	NM	NM	NM
SB-44	2171335.9	405892.6	856.61	NM	7	12	NM	NM	NM
SB-45	2171254.0	406195.7	855.07	NM	7	12	NM	NM	NM
SB-46	2171251.8	406373.2	855.99	NM	3	8	NM	NM	NM
SB-47	2171024.4	405960.3	855.09	NM	7	12	NM	NM	NM
SB-48	2171016.4	405748.3	855.52	NM	11	16	NM	NM	NM
SB-49*	2171527.2	405219.6	NM	NM	5	15	NM	NM	NM
SB-50*	2171521.6	405177.4	NM	NM	5	15	NM	NM	NM
SB-51*	2171892.6	405626.1	NM	NM	0	5	NM	NM	NM
SB-52	2171409.3	404937.0	855.55	NM	3	8	NM	NM	NM
SB-53	2171509.8	405657.2	852.05	NM	0	3	NM	NM	NM
SB-54	2172235.8	404864.7	856.19	855.43	6	16	14.85	7.07	848.36
SB-55	2172232.5	404931.0	855.94	855.56	6	16	15.75	7.29	848.27
SB-56	2172339.4	404901.8	856.40	856.26	5	15	13.85	8	848.26
SB-57	2172258.6	405392.7	854.03	853.93	2	12	12	5.15	848.78
SB-58	2172363.1	405412.9	854.46	854.06	4	14	13.7	5.12	848.94
SB-59	2172274.6	405486.6	854.08	853.97	3	13	11.65	5.4	848.57
SB-60	2172368.7	405612.6	855.51	855.48	9	19	17.4	6.79	848.69
SB-61	2172221.3	405598.1	855.56	855.42	9	19	17.1	6.67	848.75
SB-62	2172221.7	405654.6	855.41	855.37	10	20	18.6	5.6	849.77
SB-63	2172265.1	405665.4	854.89	854.76	8	18	17.5	6.9	847.86
SB-64	2171948.4	404442.6	853.10	853.00	3	13	11.2	3.52	849.48
SB-65	2171960.0	404367.7	853.40	853.42	3	13	12.85	4.34	849.08
SB-66S	2171904.5	404257.1	853.12	853.30	3	8	7.9	4.6	848.70
SB-66D	2171904.5	404257.1	853.12	853.30	17	22	22	5.09	848.21
SB-67	2171807.3	404252.9	853.25	853.23	17	22	22	5.13	848.10
SB-68S	2171754.2	404316.6	853.29	853.03	3	8	7.85	4.52	848.51
SB-68D	2171754.2	404316.6	853.29	853.03	17	22	21.75	4.85	848.18
SB-69	2171737.1	404399.7	852.36	851.57	3	8	7	3.94	847.63

Borings with an asterisk (*) denote approximate coordinates.

ft Feet.

ft amsl Feet above mean sea level.

NM Not measured.

SPCS State Plane Coordinate System, Wisconsin South Zone, 1927.

TOC Top of casing.

Table A-2

Soil Sample Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)								
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-1 (1-1.5') 7/31/17 (6')	SB-2 (1-1.5') 7/31/17 (6')	SB-3 (8-10') 7/31/17 (6.45')	SB-4 (3-4') 7/31/17 (4.86')	SB-5 (4-5') 7/31/17 (4.44')	SB-6 (3-4') 7/31/17 (5.4')	SB-7 (10-12') 8/1/17 (12')	SB-8 (10-12') 8/1/17 (5.13')
Tetrachloroethane, 1,1,1,2-		2.78	ca	12.3	ca	0.053	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Trichloroethane, 1,1,1-		640	Csat	640	Csat	0.140	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Tetrachloroethane, 1,1,2,2-		0.81	ca	3.6	ca	0.0002	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Trichloroethane, 1,1,2-		1.59	ca	7.01	ca	0.003	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Dichloroethane, 1,1-		5.06	ca	22.2	ca	0.483	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Dichloroethene, 1,1-		320	nc	1,190	Csat	0.005	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Dichloropropene, 1,1-		ns	ns	ns	ns	ns	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Trichlorobenzene, 1,2,3-		62.6	nc	934	nc	ns	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Trichloropropane, 1,2,3-		0.0051	ca	0.109	ca	0.052	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Trichlorobenzene, 1,2,4-		24	ca	113	ca	0.408	<0.0476	<0.0476	<0.238	<0.0476	<0.951	<0.0476	<0.0951	<0.0476
Trimethylbenzene, 1,2,4-		219	Csat	219	Csat	1.382	<0.0250	<0.0250	14.6	<0.0250	11.4	0.224	23.6	0.122
Dibromo-3-chloropropane, 1,		0.0075	ca	0.0923	ca	0.0002	<0.0912	<0.0912	<0.456	<0.0912	<1.82	<0.0912	<0.182	<0.0912
Dibromoethane, 1,2-		0.05	ca	0.221	ca	ns	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Dichlorobenzene, 1,2-		376	Csat	376	Csat	1.168	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Dichloroethane, 1,2-		0.652	ca	2.87	ca	0.003	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Dichloropropane, 1,2-		0.406	ca	1.78	ca	0.003	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Trimethylbenzene, 1,3,5-		182	Csat	182	Csat	1.382	<0.0250	<0.0250	5.45	<0.0250	24.9	<0.0250	6.37	0.561
Dichlorobenzene, 1,3-		297	Csat	297	Csat	1.153	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Dichloropropane, 1,3-		1,490	Csat	1,490	Csat	ns	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Dichlorobenzene, 1,4-		3.74	ca	16.4	ca	0.144	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Dichloropropane, 2,2-		191	Csat	191	Csat	ns	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Chlorotoluene, 2-		907	Csat	907	Csat	ns	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Chlorotoluene, 4-		253	Csat	253	Csat	ns	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Benzene		1.6	ca	7.07	ca	0.005	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	0.312	<0.0250
Bromobenzene		342	nc	679	Csat	ns	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Bromochloromethane		216	nc	906	nc	ns	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Bromodichloromethane		0.418	ca	1.83	ca	0.0003	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Bromoform		25.4	ca	113	ca	0.002	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Bromomethane		9.6	nc	43	nc	0.005	<0.0699	<0.0699	<0.350	<0.0699	<1.40	<0.0699	<0.140	<0.0699
Carbon tetrachloride		0.916	ca	4.03	ca	0.004	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Chlorobenzene		370	nc	761	Csat	ns	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Chloroethane		ns	ns	ns	ns	0.227	<0.0670	<0.0670	<0.335	<0.0670	<1.34	<0.0670	<0.134	<0.0670
Chloroform		0.454	ca	1.98	ca	0.0033	<0.0464	<0.0464	<0.232	<0.0464	<0.929	<0.0464	<0.0929	<0.0464
Chloromethane		159	nc	669	nc	0.016	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Dibromochloromethane		8.28	ca	38.9	ca	0.032	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Dibromomethane		34	nc	143	nc	ns	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Dichlorodifluoromethane		126	nc	530	nc	3.086	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Diisopropyl ether		2,260	Csat	2,260	Csat	ns	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Ethylbenzene		8.02	ca	35.4	ca	2	<0.0250	<0.0250	2.17	<0.0250	<0.500	<0.0250	18.8	<0.0250
Hexachloro-1,3-butadiene		1.63	ca	7.19	ca	ns	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Isopropylbenzene (Cumene)		268	Csat	268	Csat	ns	<0.0250	<0.0250	0.933	<0.0250	2.76	<0.0250	1.47	0.0635 J
Methyl-tert-butyl ether		63.8	ca	282	ca	0.027	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Methylene Chloride		61.8	ca	1,150	ca	0.003	<0.0250	<0.0250	<0.125	<0.0250	<0.500	0.0346 J	<0.0500	<0.0250
Naphthalene		5.52	ca	24.1	ca	0.6582	<0.0400	<0.0400	5.87	<0.0400	6.22	0.0803 J	3.50	<0.0400

Table A-2

Soil Sample Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)								
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-1 (1-1.5') 7/31/17 (6')	SB-2 (1-1.5') 7/31/17 (6')	SB-3 (8-10') 7/31/17 (6.45')	SB-4 (3-4') 7/31/17 (4.86')	SB-5 (4-5') 7/31/17 (4.44')	SB-6 (3-4') 7/31/17 (5.4')	SB-7 (10-12') 8/1/17 (12')	SB-8 (10-12') 8/1/17 (5.13')
Styrene		867	Csat	867	Csat	0.220	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Tetrachloroethene		33	ca	145	ca	0.0045	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Toluene		818	Csat	818	Csat	1.107	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	0.0724 J	<0.0250
Trichloroethene		1.3	ca	8.41	ca	0.0036	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Trichlorofluoromethane		1,230	Csat	1,230	Csat	ns	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Vinyl chloride		0.067	ca	2.08	ca	0.0001	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Dichloroethylene, 1,2-cis-		156	nc	2,340	nc	0.041	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
cis-1,3-Dichloropropene		1,210	Csat	1,210	Csat	0.0003	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
m&p-Xylene*		388	Csat	388	Csat	3.960	<0.0500	<0.0500	9.50	<0.0500	<1.00	<0.0500	38.7	<0.0500
n-Butylbenzene		108	Csat	108	Csat	ns	<0.0250	<0.0250	4.16	<0.0250	17.9	<0.0250	1.73	<0.0250
n-Propylbenzene		ns	ns	ns	ns	ns	<0.0250	<0.0250	3.53	<0.0250	9.01	<0.0250	4.56	0.322
o-Xylene*		434	Csat	434	Csat	3.960	<0.0250	<0.0250	1.43	<0.0250	<0.500	<0.0250	0.178	<0.0250
p-Isopropyltoluene		162	Csat	162	Csat	ns	<0.0250	<0.0250	0.798	<0.0250	9.46	<0.0250	0.231	<0.0250
Butylbenzene, sec-		145	Csat	145	Csat	ns	<0.0250	<0.0250	0.713	<0.0250	9.34	<0.0250	0.256	0.161
Butylbenzene, tert-		183	Csat	183	Csat	ns	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Dichloroethylene, 1,2-trans		1,560	nc	1,850	Csat	0.063	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250
Dichloropropene, 1,3-trans		2.37	ca	10.6	ca	ns	<0.0250	<0.0250	<0.125	<0.0250	<0.500	<0.0250	<0.0500	<0.0250

Notes:

All units are milligrams per kilogram (mg/kg).

All depths are measured in feet below ground surface (ft bgs).

VOCs analyzed by Method 8260 and preserved in the field with Methanol.

* Xylene soil to groundwater standard is for total xylene concentrations.

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds a soil to groundwater residual contaminant level (RCL).

Shaded Value exceeds an industrial direct contact RCL.

Shaded Value exceeds a non-industrial direct contact RCL.

Soil sample collected below the water table.

NA Not analyzed.

ca Carcinogen.

Csat Saturation concentration.

GW Groundwater.

nc Non-carcinogen.

ns No established standard.

Table A-2

Soil Sample Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)								
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-9 (4-5') 8/1/17 (4.75')	SB-11 (4-5') 7/31/17 (4.41')	SB-12 (1-1.5') 8/1/17 (4.35')	SB-13 (1.5-2') 7/28/17 (3.45')	SB-14 (3-4') 7/28/17 (4.18')	SB-15 (5-7') 7/28/17 (2.97')	SB-16 (2-2.5') 8/2/17	SB-17 (4-5') 8/2/17 (7.17')
Tetrachloroethane, 1,1,1,2-		2.78	ca	12.3	ca	0.053	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Trichloroethane, 1,1,1-		640	Csat	640	Csat	0.140	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Tetrachloroethane, 1,1,2,2-		0.81	ca	3.6	ca	0.0002	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Trichloroethane, 1,1,2-		1.59	ca	7.01	ca	0.003	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Dichloroethane, 1,1-		5.06	ca	22.2	ca	0.483	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Dichloroethene, 1,1-		320	nc	1,190	Csat	0.005	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Dichloropropene, 1,1-		ns	ns	ns	ns	ns	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Trichlorobenzene, 1,2,3-		62.6	nc	934	nc	ns	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Trichloropropane, 1,2,3-		0.0051	ca	0.109	ca	0.052	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Trichlorobenzene, 1,2,4-		24	ca	113	ca	0.408	<0.380	<0.476	<0.0476	<0.0476	<0.0951	<2.38	<0.0476	<0.0476
Trimethylbenzene, 1,2,4-		219	Csat	219	Csat	1.382	<0.200	98.7	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Dibromo-3-chloropropane, 1,		0.0075	ca	0.0923	ca	0.0002	<0.730	<0.912	<0.0912	<0.0912	<0.182	<4.56	<0.0912	<0.0912
Dibromoethane, 1,2-		0.05	ca	0.221	ca	ns	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Dichlorobenzene, 1,2-		376	Csat	376	Csat	1.168	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Dichloroethane, 1,2-		0.652	ca	2.87	ca	0.003	<0.200	<0.250	<0.0250	0.0405 J	18.2	382	<0.0250	<0.0250
Dichloropropane, 1,2-		0.406	ca	1.78	ca	0.003	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Trimethylbenzene, 1,3,5-		182	Csat	182	Csat	1.382	0.855	28.3	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Dichlorobenzene, 1,3-		297	Csat	297	Csat	1.153	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Dichloropropane, 1,3-		1,490	Csat	1,490	Csat	ns	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Dichlorobenzene, 1,4-		3.74	ca	16.4	ca	0.144	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Dichloropropane, 2,2-		191	Csat	191	Csat	ns	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Chlorotoluene, 2-		907	Csat	907	Csat	ns	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Chlorotoluene, 4-		253	Csat	253	Csat	ns	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Benzene		1.6	ca	7.07	ca	0.005	<0.200	2.18	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Bromobenzene		342	nc	679	Csat	ns	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Bromochloromethane		216	nc	906	nc	ns	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Bromodichloromethane		0.418	ca	1.83	ca	0.0003	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Bromoform		25.4	ca	113	ca	0.002	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Bromomethane		9.6	nc	43	nc	0.005	<0.559	<0.699	<0.0699	<0.0699	<0.140	<3.50	<0.0699	<0.0699
Carbon tetrachloride		0.916	ca	4.03	ca	0.004	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Chlorobenzene		370	nc	761	Csat	ns	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Chloroethane		ns	ns	ns	ns	0.227	<0.536	<0.670	<0.0670	<0.0670	<0.134	<3.35	<0.0670	<0.0670
Chloroform		0.454	ca	1.98	ca	0.0033	<0.372	<0.464	<0.0464	<0.0464	<0.0929	<2.32	<0.0464	<0.0464
Chloromethane		159	nc	669	nc	0.016	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Dibromochloromethane		8.28	ca	38.9	ca	0.032	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Dibromomethane		34	nc	143	nc	ns	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Dichlorodifluoromethane		126	nc	530	nc	3.086	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Diisopropyl ether		2,260	Csat	2,260	Csat	ns	<0.200	<0.250	<0.0250	<0.0250	0.177 J	<1.25	<0.0250	<0.0250
Ethylbenzene		8.02	ca	35.4	ca	2	<0.200	54.6	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Hexachloro-1,3-butadiene		1.63	ca	7.19	ca	ns	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Isopropylbenzene (Cumene)		268	Csat	268	Csat	ns	0.927	4.69	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Methyl-tert-butyl ether		63.8	ca	282	ca	0.027	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Methylene Chloride		61.8	ca	1,150	ca	0.003	<0.200	0.459 J	<0.0250	<0.0250	0.0861 J	<1.25	0.0320 J	<0.0250
Naphthalene		5.52	ca	24.1	ca	0.6582	3.18	10.3	<0.0400	<0.0400	0.396 J	<2.00	0.151 J	<0.0400

Table A-2

Soil Sample Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Aveunue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)								
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-9 (4-5') 8/1/17 (4.75')	SB-11 (4-5') 7/31/17 (4.41')	SB-12 (1-1.5') 8/1/17 (4.35')	SB-13 (1.5-2') 7/28/17 (3.45')	SB-14 (3-4') 7/28/17 (4.18')	SB-15 (5-7') 7/28/17 (2.97')	SB-16 (2-2.5') 8/2/17	SB-17 (4-5') 8/2/17 (7.17')
Styrene		867	Csat	867	Csat	0.220	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Tetrachloroethene		33	ca	145	ca	0.0045	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Toluene		818	Csat	818	Csat	1.107	<0.200	64.7	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Trichloroethene		1.3	ca	8.41	ca	0.0036	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Trichlorofluoromethane		1,230	Csat	1,230	Csat	ns	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Vinyl chloride		0.067	ca	2.08	ca	0.0001	<0.200	<0.250	<0.0250	<0.0250	0.405	<1.25	<0.0250	<0.0250
Dichloroethylene, 1,2-cis-		156	nc	2,340	nc	0.041	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
cis-1,3-Dichloropropene		1,210	Csat	1,210	Csat	0.0003	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
m&p-Xylene*		388	Csat	388	Csat	3.960	<0.400	204	<0.0500	<0.0500	<0.100	<2.50	<0.0500	<0.0500
n-Butylbenzene		108	Csat	108	Csat	ns	7.19	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
n-Propylbenzene		ns	ns	ns	ns	ns	3.42	17.9	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
o-Xylene*		434	Csat	434	Csat	3.960	<0.200	76.7	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
p-Isopropyltoluene		162	Csat	162	Csat	ns	1.81	0.984	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Butylbenzene, sec-		145	Csat	145	Csat	ns	5.27	1.48	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Butylbenzene, tert-		183	Csat	183	Csat	ns	0.469 J	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Dichloroethylene, 1,2-trans		1,560	nc	1,850	Csat	0.063	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250
Dichloropropene, 1,3-trans		2.37	ca	10.6	ca	ns	<0.200	<0.250	<0.0250	<0.0250	<0.0500	<1.25	<0.0250	<0.0250

Notes:

All units are milligrams per kilogram (mg/kg).

All depths are measured in feet below ground surface (ft bgs).

VOCs analyzed by Method 8260 and preserved in the field with Methanol.

* Xylene soil to groundwater standard is for total xylene concentrations.

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds a soil to groundwater residual contaminant level (RCL).

Shaded Value exceeds an industrial direct contact RCL.

Shaded Value exceeds a non-industrial direct contact RCL.

Soil sample collected below the water table.

NA Not analyzed.

ca Carcinogen.

Csat Saturation concentration.

GW Groundwater.

nc Non-carcinogen.

ns No established standard.

Table A-2

Soil Sample Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)								
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-18 (4-5') 7/28/17 (6.28')	SB-19 (1.5-2') 7/31/17 (2.88')	SB-20 (3-4') 7/31/17 (4.99')	SB-21 (3-3.5') 7/31/17 (6.54')	SB-22 (4-5') 7/31/17 (6.53')	SB-23 (2-2.5') 7/31/17 (4.08')	SB-24 (3-4') 7/31/17 (8.11')	SB-25 (3-4') 7/31/17 (2.97')
Tetrachloroethane, 1,1,1,2-		2.78	ca	12.3	ca	0.053	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Trichloroethane, 1,1,1-		640	Csat	640	Csat	0.140	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Tetrachloroethane, 1,1,2,2-		0.81	ca	3.6	ca	0.0002	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Trichloroethane, 1,1,2-		1.59	ca	7.01	ca	0.003	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichloroethane, 1,1-		5.06	ca	22.2	ca	0.483	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichloroethene, 1,1-		320	nc	1,190	Csat	0.005	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichloropropene, 1,1-		ns	ns	ns	ns	ns	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Trichlorobenzene, 1,2,3-		62.6	nc	934	nc	ns	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Trichloropropane, 1,2,3-		0.0051	ca	0.109	ca	0.052	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Trichlorobenzene, 1,2,4-		24	ca	113	ca	0.408	<0.0476	<0.0476	<0.0485	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476
Trimethylbenzene, 1,2,4-		219	Csat	219	Csat	1.382	<0.0250	0.0339 J	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dibromo-3-chloropropane, 1,		0.0075	ca	0.0923	ca	0.0002	<0.0912	<0.0912	<0.0931	<0.0912	<0.0912	<0.0912	<0.0912	<0.0912
Dibromoethane, 1,2-		0.05	ca	0.221	ca	ns	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichlorobenzene, 1,2-		376	Csat	376	Csat	1.168	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichloroethane, 1,2-		0.652	ca	2.87	ca	0.003	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichloropropane, 1,2-		0.406	ca	1.78	ca	0.003	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Trimethylbenzene, 1,3,5-		182	Csat	182	Csat	1.382	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichlorobenzene, 1,3-		297	Csat	297	Csat	1.153	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichloropropane, 1,3-		1,490	Csat	1,490	Csat	ns	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichlorobenzene, 1,4-		3.74	ca	16.4	ca	0.144	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichloropropane, 2,2-		191	Csat	191	Csat	ns	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Chlorotoluene, 2-		907	Csat	907	Csat	ns	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Chlorotoluene, 4-		253	Csat	253	Csat	ns	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Benzene		1.6	ca	7.07	ca	0.005	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Bromobenzene		342	nc	679	Csat	ns	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Bromochloromethane		216	nc	906	nc	ns	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Bromodichloromethane		0.418	ca	1.83	ca	0.0003	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Bromoform		25.4	ca	113	ca	0.002	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Bromomethane		9.6	nc	43	nc	0.005	<0.0699	<0.0699	<0.0713	<0.0699	<0.0699	<0.0699	<0.0699	<0.0699
Carbon tetrachloride		0.916	ca	4.03	ca	0.004	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Chlorobenzene		370	nc	761	Csat	ns	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Chloroethane		ns	ns	ns	ns	0.227	<0.0670	<0.0670	<0.0684	<0.0670	<0.0670	<0.0670	<0.0670	<0.0670
Chloroform		0.454	ca	1.98	ca	0.0033	<0.0464	<0.0464	<0.0474	<0.0464	<0.0464	<0.0464	<0.0464	<0.0464
Chloromethane		159	nc	669	nc	0.016	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dibromochloromethane		8.28	ca	38.9	ca	0.032	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dibromomethane		34	nc	143	nc	ns	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichlorodifluoromethane		126	nc	530	nc	3.086	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Diisopropyl ether		2,260	Csat	2,260	Csat	ns	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Ethylbenzene		8.02	ca	35.4	ca	2	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Hexachloro-1,3-butadiene		1.63	ca	7.19	ca	ns	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Isopropylbenzene (Cumene)		268	Csat	268	Csat	ns	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Methyl-tert-butyl ether		63.8	ca	282	ca	0.027	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Methylene Chloride		61.8	ca	1,150	ca	0.003	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Naphthalene		5.52	ca	24.1	ca	0.6582	<0.0400	<0.0400	<0.0409	<0.0400	<0.0400	0.164 J	0.0712 J	

Table A-2

Soil Sample Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Aveunue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)								
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-18 (4-5') 7/28/17 (6.28')	SB-19 (1.5-2') 7/31/17 (2.88')	SB-20 (3-4') 7/31/17 (4.99')	SB-21 (3-3.5') 7/31/17 (6.54')	SB-22 (4-5') 7/31/17 (6.53')	SB-23 (2-2.5') 7/31/17 (4.08')	SB-24 (3-4') 7/31/17 (8.11')	SB-25 (3-4') 7/31/17 (2.97')
Styrene		867	Csat	867	Csat	0.220	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Tetrachloroethene		33	ca	145	ca	0.0045	<0.0250	<0.0250	0.0299 J	0.0647 J	<0.0250	<0.0250	<0.0250	<0.0250
Toluene		818	Csat	818	Csat	1.107	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	0.0617 J
Trichloroethene		1.3	ca	8.41	ca	0.0036	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Trichlorofluoromethane		1,230	Csat	1,230	Csat	ns	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Vinyl chloride		0.067	ca	2.08	ca	0.0001	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichloroethylene, 1,2-cis-		156	nc	2,340	nc	0.041	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
cis-1,3-Dichloropropene		1,210	Csat	1,210	Csat	0.0003	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
m&p-Xylene*		388	Csat	388	Csat	3.960	<0.0500	<0.0500	<0.0510	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
n-Butylbenzene		108	Csat	108	Csat	ns	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
n-Propylbenzene		ns	ns	ns	ns	ns	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
o-Xylene*		434	Csat	434	Csat	3.960	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	0.0407 J
p-Isopropyltoluene		162	Csat	162	Csat	ns	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Butylbenzene, sec-		145	Csat	145	Csat	ns	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Butylbenzene, tert-		183	Csat	183	Csat	ns	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichloroethylene, 1,2-trans		1,560	nc	1,850	Csat	0.063	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichloropropene, 1,3-trans		2.37	ca	10.6	ca	ns	<0.0250	<0.0250	<0.0255	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250

Notes:

All units are milligrams per kilogram (mg/kg).

All depths are measured in feet below ground surface (ft bgs).

VOCs analyzed by Method 8260 and preserved in the field with Methanol.

* Xylene soil to groundwater standard is for total xylene concentrations.

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds a soil to groundwater residual contaminant level (RCL).

Shaded Value exceeds an industrial direct contact RCL.

Shaded Value exceeds a non-industrial direct contact RCL.

Soil sample collected below the water table.

NA Not analyzed.

ca Carcinogen.

Csat Saturation concentration.

GW Groundwater.

nc Non-carcinogen.

ns No established standard.

Table A-2

Soil Sample Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)								
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-29 (2-2.5') 7/28/17 (3.21')	SB-33 (2.5-3') 7/28/17 (3.74')	SB-35 (3.5-4.5') 7/27/17 (2.6')	SB-38 (8-10') 7/27/17 (6.5')	SB-39 (3-4') 8/1/17 (1.5')	SB-40 (4-5') 8/1/17 (8.5')	SB-41 (1-1.5') 8/1/17 (4.43')	SB-42 (1-2') 7/31/17 (12.79')
Tetrachloroethane, 1,1,1,2-		2.78	ca	12.3	ca	0.053	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Trichloroethane, 1,1,1-		640	Csat	640	Csat	0.140	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Tetrachloroethane, 1,1,2,2-		0.81	ca	3.6	ca	0.0002	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Trichloroethane, 1,1,2-		1.59	ca	7.01	ca	0.003	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Dichloroethane, 1,1-		5.06	ca	22.2	ca	0.483	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Dichloroethene, 1,1-		320	nc	1,190	Csat	0.005	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Dichloropropene, 1,1-		ns	ns	ns	ns	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Trichlorobenzene, 1,2,3-		62.6	nc	934	nc	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Trichloropropane, 1,2,3-		0.0051	ca	0.109	ca	0.052	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Trichlorobenzene, 1,2,4-		24	ca	113	ca	0.408	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0528	<0.0476
Trimethylbenzene, 1,2,4-		219	Csat	219	Csat	1.382	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Dibromo-3-chloropropane, 1,		0.0075	ca	0.0923	ca	0.0002	<0.0912	<0.0912	<0.0912	<0.0912	<0.0912	<0.0912	<0.101	<0.0912
Dibromoethane, 1,2-		0.05	ca	0.221	ca	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Dichlorobenzene, 1,2-		376	Csat	376	Csat	1.168	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Dichloroethane, 1,2-		0.652	ca	2.87	ca	0.003	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Dichloropropane, 1,2-		0.406	ca	1.78	ca	0.003	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Trimethylbenzene, 1,3,5-		182	Csat	182	Csat	1.382	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Dichlorobenzene, 1,3-		297	Csat	297	Csat	1.153	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Dichloropropane, 1,3-		1,490	Csat	1,490	Csat	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Dichlorobenzene, 1,4-		3.74	ca	16.4	ca	0.144	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Dichloropropane, 2,2-		191	Csat	191	Csat	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Chlorotoluene, 2-		907	Csat	907	Csat	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Chlorotoluene, 4-		253	Csat	253	Csat	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Benzene		1.6	ca	7.07	ca	0.005	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Bromobenzene		342	nc	679	Csat	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Bromochloromethane		216	nc	906	nc	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Bromodichloromethane		0.418	ca	1.83	ca	0.0003	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Bromoform		25.4	ca	113	ca	0.002	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Bromomethane		9.6	nc	43	nc	0.005	<0.0699	<0.0699	<0.0699	<0.0699	<0.0699	<0.0699	<0.0777	<0.0699
Carbon tetrachloride		0.916	ca	4.03	ca	0.004	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Chlorobenzene		370	nc	761	Csat	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Chloroethane		ns	ns	ns	ns	0.227	<0.0670	<0.0670	<0.0670	<0.0670	<0.0670	<0.0670	<0.0745	<0.0670
Chloroform		0.454	ca	1.98	ca	0.0033	<0.0464	<0.0464	<0.0464	<0.0464	<0.0464	<0.0464	<0.0516	<0.0464
Chloromethane		159	nc	669	nc	0.016	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Dibromochloromethane		8.28	ca	38.9	ca	0.032	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Dibromomethane		34	nc	143	nc	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Dichlorodifluoromethane		126	nc	530	nc	3.086	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Diisopropyl ether		2,260	Csat	2,260	Csat	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Ethylbenzene		8.02	ca	35.4	ca	2	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Hexachloro-1,3-butadiene		1.63	ca	7.19	ca	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Isopropylbenzene (Cumene)		268	Csat	268	Csat	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Methyl-tert-butyl ether		63.8	ca	282	ca	0.027	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Methylene Chloride		61.8	ca	1,150	ca	0.003	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Naphthalene		5.52	ca	24.1	ca	0.6582	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0400	<0.0445	<0.0400

Table A-2

Soil Sample Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Aveunue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)								
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-29 (2-2.5') 7/28/17 (3.21')	SB-33 (2.5-3') 7/28/17 (3.74')	SB-35 (3.5-4.5') 7/27/17 (2.6')	SB-38 (8-10') 7/27/17 (6.5')	SB-39 (3-4') 8/1/17 (1.5')	SB-40 (4-5') 8/1/17 (8.5')	SB-41 (1-1.5') 8/1/17 (4.43')	SB-42 (1-2') 7/31/17 (12.79')
Styrene		867	Csat	867	Csat	0.220	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Tetrachloroethene		33	ca	145	ca	0.0045	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Toluene		818	Csat	818	Csat	1.107	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Trichloroethene		1.3	ca	8.41	ca	0.0036	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Trichlorofluoromethane		1,230	Csat	1,230	Csat	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Vinyl chloride		0.067	ca	2.08	ca	0.0001	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Dichloroethylene, 1,2-cis-		156	nc	2,340	nc	0.041	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
cis-1,3-Dichloropropene		1,210	Csat	1,210	Csat	0.0003	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
m&p-Xylene*		388	Csat	388	Csat	3.960	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0556	<0.0500
n-Butylbenzene		108	Csat	108	Csat	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
n-Propylbenzene		ns	ns	ns	ns	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
o-Xylene*		434	Csat	434	Csat	3.960	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
p-Isopropyltoluene		162	Csat	162	Csat	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Butylbenzene, sec-		145	Csat	145	Csat	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Butylbenzene, tert-		183	Csat	183	Csat	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Dichloroethylene, 1,2-trans		1,560	nc	1,850	Csat	0.063	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250
Dichloropropene, 1,3-trans		2.37	ca	10.6	ca	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0278	<0.0250

Notes:

All units are milligrams per kilogram (mg/kg).

All depths are measured in feet below ground surface (ft bgs).

VOCs analyzed by Method 8260 and preserved in the field with Methanol.

* Xylene soil to groundwater standard is for total xylene concentrations.

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds a soil to groundwater residual contaminant level (RCL).

Shaded Value exceeds an industrial direct contact RCL.

Shaded Value exceeds a non-industrial direct contact RCL.

Soil sample collected below the water table.

NA Not analyzed.

ca Carcinogen.

Csat Saturation concentration.

GW Groundwater.

nc Non-carcinogen.

ns No established standard.

Table A-2

Soil Sample Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)								
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-43 (3-4') 8/1/17 (6.25')	SB-44 (2-3') 8/1/17 (5.28')	SB-45 (2-3') 8/1/17 (3.86')	SB-46 (4-5') 8/1/17 (4.11')	SB-47 (2-2.5') 8/1/17 (4.02')	SB-48 (1-2') 8/1/17 (6.37')	SB-49 (5-7') 8/2/17 (4.96')	SB-50 (1-2') 8/2/17 (5.04')
Tetrachloroethane, 1,1,1,2-		2.78	ca	12.3	ca	0.053	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Trichloroethane, 1,1,1-		640	Csat	640	Csat	0.140	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Tetrachloroethane, 1,1,2,2-		0.81	ca	3.6	ca	0.0002	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Trichloroethane, 1,1,2-		1.59	ca	7.01	ca	0.003	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichloroethane, 1,1-		5.06	ca	22.2	ca	0.483	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichloroethene, 1,1-		320	nc	1,190	Csat	0.005	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichloropropene, 1,1-		ns	ns	ns	ns	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Trichlorobenzene, 1,2,3-		62.6	nc	934	nc	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Trichloropropane, 1,2,3-		0.0051	ca	0.109	ca	0.052	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Trichlorobenzene, 1,2,4-		24	ca	113	ca	0.408	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476
Trimethylbenzene, 1,2,4-		219	Csat	219	Csat	1.382	<0.0250	0.0291 J	0.193	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dibromo-3-chloropropane, 1,		0.0075	ca	0.0923	ca	0.0002	<0.0912	<0.0912	<0.0912	<0.0912	<0.0912	<0.0912	<0.0912	<0.0912
Dibromoethane, 1,2-		0.05	ca	0.221	ca	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichlorobenzene, 1,2-		376	Csat	376	Csat	1.168	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichloroethane, 1,2-		0.652	ca	2.87	ca	0.003	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichloropropane, 1,2-		0.406	ca	1.78	ca	0.003	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Trimethylbenzene, 1,3,5-		182	Csat	182	Csat	1.382	<0.0250	<0.0250	0.0653 J	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichlorobenzene, 1,3-		297	Csat	297	Csat	1.153	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichloropropane, 1,3-		1,490	Csat	1,490	Csat	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichlorobenzene, 1,4-		3.74	ca	16.4	ca	0.144	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichloropropane, 2,2-		191	Csat	191	Csat	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Chlorotoluene, 2-		907	Csat	907	Csat	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Chlorotoluene, 4-		253	Csat	253	Csat	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Benzene		1.6	ca	7.07	ca	0.005	<0.0250	<0.0250	0.0536 J	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Bromobenzene		342	nc	679	Csat	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Bromochloromethane		216	nc	906	nc	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Bromodichloromethane		0.418	ca	1.83	ca	0.0003	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Bromoform		25.4	ca	113	ca	0.002	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Bromomethane		9.6	nc	43	nc	0.005	<0.0699	<0.0699	<0.0699	<0.0699	<0.0699	<0.0699	<0.0699	<0.0699
Carbon tetrachloride		0.916	ca	4.03	ca	0.004	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Chlorobenzene		370	nc	761	Csat	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Chloroethane		ns	ns	ns	ns	0.227	<0.0670	<0.0670	<0.0670	<0.0670	<0.0670	<0.0670	<0.0670	<0.0670
Chloroform		0.454	ca	1.98	ca	0.0033	<0.0464	<0.0464	<0.0464	<0.0464	<0.0464	<0.0464	<0.0464	<0.0464
Chloromethane		159	nc	669	nc	0.016	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dibromochloromethane		8.28	ca	38.9	ca	0.032	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dibromomethane		34	nc	143	nc	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichlorodifluoromethane		126	nc	530	nc	3.086	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Diisopropyl ether		2,260	Csat	2,260	Csat	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Ethylbenzene		8.02	ca	35.4	ca	2	<0.0250	<0.0250	0.0828	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Hexachloro-1,3-butadiene		1.63	ca	7.19	ca	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Isopropylbenzene (Cumene)		268	Csat	268	Csat	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Methyl-tert-butyl ether		63.8	ca	282	ca	0.027	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Methylene Chloride		61.8	ca	1,150	ca	0.003	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Naphthalene		5.52	ca	24.1	ca	0.6582	<0.0400	0.304	0.196 J	0.0513 J	<0.0400	<0.0400	<0.0400	<0.0400

Table A-2

Soil Sample Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)								
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-43 (3-4') 8/1/17 (6.25')	SB-44 (2-3') 8/1/17 (5.28')	SB-45 (2-3') 8/1/17 (3.86')	SB-46 (4-5') 8/1/17 (4.11')	SB-47 (2-2.5') 8/1/17 (4.02')	SB-48 (1-2') 8/1/17 (6.37')	SB-49 (5-7') 8/2/17 (4.96')	SB-50 (1-2') 8/2/17 (5.04')
Styrene		867	Csat	867	Csat	0.220	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Tetrachloroethene		33	ca	145	ca	0.0045	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Toluene		818	Csat	818	Csat	1.107	<0.0250	<0.0250	0.143	0.0392 J	<0.0250	<0.0250	<0.0250	<0.0250
Trichloroethene		1.3	ca	8.41	ca	0.0036	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Trichlorofluoromethane		1,230	Csat	1,230	Csat	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Vinyl chloride		0.067	ca	2.08	ca	0.0001	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichloroethylene, 1,2-cis-		156	nc	2,340	nc	0.041	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
cis-1,3-Dichloropropene		1,210	Csat	1,210	Csat	0.0003	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
m&p-Xylene*		388	Csat	388	Csat	3.960	<0.0500	<0.0500	0.190	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500
n-Butylbenzene		108	Csat	108	Csat	ns	<0.0250	<0.0250	0.0320 J	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
n-Propylbenzene		ns	ns	ns	ns	ns	<0.0250	<0.0250	0.0373 J	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
o-Xylene*		434	Csat	434	Csat	3.960	<0.0250	<0.0250	0.152	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
p-Isopropyltoluene		162	Csat	162	Csat	ns	<0.0250	<0.0250	0.0339 J	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Butylbenzene, sec-		145	Csat	145	Csat	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Butylbenzene, tert-		183	Csat	183	Csat	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichloroethylene, 1,2-trans		1,560	nc	1,850	Csat	0.063	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250
Dichloropropene, 1,3-trans		2.37	ca	10.6	ca	ns	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250

Notes:

All units are milligrams per kilogram (mg/kg).

All depths are measured in feet below ground surface (ft bgs).

VOCs analyzed by Method 8260 and preserved in the field with Methanol.

* Xylene soil to groundwater standard is for total xylene concentrations.

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds a soil to groundwater residual contaminant level (RCL).

Shaded Value exceeds an industrial direct contact RCL.

Shaded Value exceeds a non-industrial direct contact RCL.

Soil sample collected below the water table.

NA Not analyzed.

ca Carcinogen.

Csat Saturation concentration.

GW Groundwater.

nc Non-carcinogen.

ns No established standard.

Table A-2

Soil Sample Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)		
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-51 (1-1.5') 8/2/17 (4.86')	SB-52 (4-5') 7/28/17 (7.62')
Tetrachloroethane, 1,1,1,2-		2.78	ca	12.3	ca	0.053	<0.0250	<0.0250
Trichloroethane, 1,1,1-		640	Csat	640	Csat	0.140	<0.0250	<0.0250
Tetrachloroethane, 1,1,2,2-		0.81	ca	3.6	ca	0.0002	<0.0250	<0.0250
Trichloroethane, 1,1,2-		1.59	ca	7.01	ca	0.003	<0.0250	<0.0250
Dichloroethane, 1,1-		5.06	ca	22.2	ca	0.483	<0.0250	<0.0250
Dichloroethene, 1,1-		320	nc	1,190	Csat	0.005	<0.0250	<0.0250
Dichloropropene, 1,1-		ns	ns	ns	ns	ns	<0.0250	<0.0250
Trichlorobenzene, 1,2,3-		62.6	nc	934	nc	ns	<0.0250	<0.0250
Trichloropropane, 1,2,3-		0.0051	ca	0.109	ca	0.052	<0.0250	<0.0250
Trichlorobenzene, 1,2,4-		24	ca	113	ca	0.408	<0.0476	<0.0476
Trimethylbenzene, 1,2,4-		219	Csat	219	Csat	1.382	<0.0250	<0.0250
Dibromo-3-chloropropane, 1,		0.0075	ca	0.0923	ca	0.0002	<0.0912	<0.0912
Dibromoethane, 1,2-		0.05	ca	0.221	ca	ns	<0.0250	<0.0250
Dichlorobenzene, 1,2-		376	Csat	376	Csat	1.168	<0.0250	<0.0250
Dichloroethane, 1,2-		0.652	ca	2.87	ca	0.003	<0.0250	<0.0250
Dichloropropane, 1,2-		0.406	ca	1.78	ca	0.003	<0.0250	<0.0250
Trimethylbenzene, 1,3,5-		182	Csat	182	Csat	1.382	<0.0250	<0.0250
Dichlorobenzene, 1,3-		297	Csat	297	Csat	1.153	<0.0250	<0.0250
Dichloropropane, 1,3-		1,490	Csat	1,490	Csat	ns	<0.0250	<0.0250
Dichlorobenzene, 1,4-		3.74	ca	16.4	ca	0.144	<0.0250	<0.0250
Dichloropropane, 2,2-		191	Csat	191	Csat	ns	<0.0250	<0.0250
Chlorotoluene, 2-		907	Csat	907	Csat	ns	<0.0250	<0.0250
Chlorotoluene, 4-		253	Csat	253	Csat	ns	<0.0250	<0.0250
Benzene		1.6	ca	7.07	ca	0.005	<0.0250	<0.0250
Bromobenzene		342	nc	679	Csat	ns	<0.0250	<0.0250
Bromochloromethane		216	nc	906	nc	ns	<0.0250	<0.0250
Bromodichloromethane		0.418	ca	1.83	ca	0.0003	<0.0250	<0.0250
Bromoform		25.4	ca	113	ca	0.002	<0.0250	<0.0250
Bromomethane		9.6	nc	43	nc	0.005	<0.0699	<0.0699
Carbon tetrachloride		0.916	ca	4.03	ca	0.004	<0.0250	<0.0250
Chlorobenzene		370	nc	761	Csat	ns	<0.0250	<0.0250
Chloroethane		ns	ns	ns	ns	0.227	<0.0670	<0.0670
Chloroform		0.454	ca	1.98	ca	0.0033	<0.0464	<0.0464
Chloromethane		159	nc	669	nc	0.016	<0.0250	<0.0250
Dibromochloromethane		8.28	ca	38.9	ca	0.032	<0.0250	<0.0250
Dibromomethane		34	nc	143	nc	ns	<0.0250	<0.0250
Dichlorodifluoromethane		126	nc	530	nc	3.086	<0.0250	<0.0250
Diisopropyl ether		2,260	Csat	2,260	Csat	ns	<0.0250	<0.0250
Ethylbenzene		8.02	ca	35.4	ca	2	<0.0250	<0.0250
Hexachloro-1,3-butadiene		1.63	ca	7.19	ca	ns	<0.0250	<0.0250
Isopropylbenzene (Cumene)		268	Csat	268	Csat	ns	<0.0250	<0.0250
Methyl-tert-butyl ether		63.8	ca	282	ca	0.027	<0.0250	<0.0250
Methylene Chloride		61.8	ca	1,150	ca	0.003	<0.0250	0.0340 J
Naphthalene		5.52	ca	24.1	ca	0.6582	0.0676 J	<0.0400

Table A-2

Soil Sample Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)		
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-51 (1-1.5') 8/2/17 (4.86')	SB-52 (4-5') 7/28/17 (7.62')
Styrene		867	Csat	867	Csat	0.220	<0.0250	<0.0250
Tetrachloroethene		33	ca	145	ca	0.0045	0.244	<0.0250
Toluene		818	Csat	818	Csat	1.107	<0.0250	<0.0250
Trichloroethene		1.3	ca	8.41	ca	0.0036	<0.0250	<0.0250
Trichlorofluoromethane		1,230	Csat	1,230	Csat	ns	<0.0250	<0.0250
Vinyl chloride		0.067	ca	2.08	ca	0.0001	<0.0250	<0.0250
Dichloroethylene, 1,2-cis-		156	nc	2,340	nc	0.041	<0.0250	<0.0250
cis-1,3-Dichloropropene		1,210	Csat	1,210	Csat	0.0003	<0.0250	<0.0250
m&p-Xylene*		388	Csat	388	Csat	3.960	<0.0500	<0.0500
n-Butylbenzene		108	Csat	108	Csat	ns	<0.0250	<0.0250
n-Propylbenzene		ns	ns	ns	ns	ns	<0.0250	<0.0250
o-Xylene*		434	Csat	434	Csat	3.960	<0.0250	<0.0250
p-Isopropyltoluene		162	Csat	162	Csat	ns	<0.0250	<0.0250
Butylbenzene, sec-		145	Csat	145	Csat	ns	<0.0250	<0.0250
Butylbenzene, tert-		183	Csat	183	Csat	ns	<0.0250	<0.0250
Dichloroethylene, 1,2-trans		1,560	nc	1,850	Csat	0.063	<0.0250	<0.0250
Dichloropropene, 1,3-trans		2.37	ca	10.6	ca	ns	<0.0250	<0.0250

Notes:

All units are milligrams per kilogram (mg/kg).

All depths are measured in feet below ground surface (ft bgs).

VOCs analyzed by Method 8260 and preserved in the field with Methanol.

* Xylene soil to groundwater standard is for total xylene concentrations.

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds a soil to groundwater residual contaminant level (RCL).

Shaded Value exceeds an industrial direct contact RCL.

Shaded Value exceeds a non-industrial direct contact RCL.

Soil sample collected below the water table.

NA Not analyzed.

ca Carcinogen.

Csat Saturation concentration.

GW Groundwater.

nc Non-carcinogen.

ns No established standard.

Table A-3

Soil Sample Analytical Results - Semi-Volatile Organic Compounds (SVOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)							
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-1 (1-1.5') 7/31/17 (6')	SB-2 (1-1.5') 7/31/17 (6')	SB-3 (8-10') 7/31/17 (6.45')	SB-4 (3-4') 7/31/17 (4.86')	SB-5 (4-5') 7/31/17 (4.44')	SB-6 (3-4') 7/31/17 (5.4')	SB-7 (10-12') 8/1/17 (12')
1,2,4-Trichlorobenzene		24	ca	113	ca	0.41	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene		376	Csat	376	Csat	1.17	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene		297	Csat	297	Csat	1.15	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene		3.74	ca	16.4	ca	0.14	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene		17.6	ca	72.7	ca	ns	<0.0044	<0.0049	2.55	<0.0054	0.251	0.0260	0.0867
2,2'-Oxybis(1-chloropropane)		ns	ns	ns	ns	ns	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol		6,320	nc	82,100	nc	ns	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol		49	ca	209	ca	ns	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol		190	nc	2,460	nc	ns	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol		1,260	nc	16,400	nc	ns	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol		126	nc	1,640	nc	ns	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene		1.74	ca	7.37	ca	0.0001	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene		0.36	ca	1.54	ca	0.0001	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene		ns	ns	ns	ns	ns	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol		391	nc	5,840	nc	ns	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene		239	nc	3,010	nc	ns	<0.0055	<0.0061	7.63	<0.0067	0.472	0.0647	0.187
2-Methylphenol(o-Cresol)		ns	ns	ns	ns	ns	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline		627	nc	8,010	nc	ns	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol		ns	ns	ns	ns	ns	NA	NA	NA	NA	NA	NA	NA
3&4-Methylphenol(m&p Cresol)		ns	ns	ns	ns	ns	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine		1.21	ca	5.11	ca	ns	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline		ns	ns	ns	ns	ns	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol		ns	ns	ns	ns	ns	NA	NA	NA	NA	NA	NA	NA
4-Bromophenylphenyl ether		ns	ns	ns	ns	ns	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol		ns	ns	ns	ns	ns	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline		ns	ns	ns	ns	ns	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenylphenyl ether		ns	ns	ns	ns	ns	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline		27.10	ca	115	ca	ns	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol		ns	ns	ns	ns	ns	NA	NA	NA	NA	NA	NA	NA
Acenaphthene		3,590	nc	45,200	nc	ns	<0.0043	<0.0047	<0.0871	<0.0052	<0.0458	<0.0051	<0.0050
Acenaphthylene		0.00	ns	ns	ns	ns	<0.0036	<0.0040	<0.0740	<0.0044	<0.0389	<0.0044	<0.0042
Anthracene		17,900	nc	100,000	ceiling	197	<0.0063	<0.0070	<0.128	<0.0076	<0.0674	<0.0076	<0.0074
Benzo(a)anthracene		1.14	ca	20.8	ca	ns	0.0063 J	0.0275	<0.0712	0.0132 J	0.0395 J	<0.0042	<0.0041
Benzo(a)pyrene		0.12	ca	2.11	ca	0.47	0.0049 J	0.0301	<0.0564	0.0135	<0.0297	<0.0033	<0.0032
Benzo(b)fluoranthene		1.15	ca	21.1	ca	0.48	0.0064 J	0.0419	<0.0634	0.0190	<0.0334	<0.0037	<0.0036
Benzo(g,h,i)perylene		ns	ns	ns	0	ns	0.0038 J	0.0245	<0.0456	0.0107	<0.0240	<0.0027	<0.0026
Benzo(k)fluoranthene		11.5	ca	211	ca	ns	0.0033 J	0.0185	<0.0563	0.0090 J	<0.0296	<0.0033	<0.0032
Butylbenzylphthalate		286	ca	1,210	ca	ns	NA	NA	NA	NA	NA	NA	NA
Carbazole		ns	ns	ns	ns	ns	NA	NA	NA	NA	NA	NA	NA
Chrysene		115	ca	2,110	ca	0.14	0.0052 J	0.0355	<0.0757	0.0169	0.0434 J	<0.0045	<0.0043
Di-n-butylphthalate		6,320	nc	82,100	nc	5.03	NA	NA	NA	NA	NA	NA	NA
Di-n-octylphthalate		632	nc	8,210	nc	ns	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene		0.12	ca	2.11	ca	ns	<0.0025	0.0063 J	<0.0502	0.0033 J	<0.0264	<0.0030	<0.0029
Dibenzofuran		73	nc	1,040	nc	ns	NA	NA	NA	NA	NA	NA	NA

Table A-3

Soil Sample Analytical Results - Semi-Volatile Organic Compounds (SVOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)							
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-1 (1-1.5') 7/31/17 (6')	SB-2 (1-1.5') 7/31/17 (6')	SB-3 (8-10') 7/31/17 (6.45')	SB-4 (3-4') 7/31/17 (4.86')	SB-5 (4-5') 7/31/17 (4.44')	SB-6 (3-4') 7/31/17 (5.4')	SB-7 (10-12') 8/1/17 (12')
Diethylphthalate		50,600	nc	100,000	ceiling	ns	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate		569	nc	7,390	nc	ns	NA	NA	NA	NA	NA	NA	NA
Fluoranthene		2,390	nc	30,100	nc	88.9	0.0081 J	0.0509	<0.117	0.0285	0.110 J	<0.0069	<0.0067
Fluorene		2,390	nc	30,100	nc	14.8	<0.0045	<0.0051	0.188 J	<0.0055	0.0506 J	<0.0055	0.0101 J
Hexachloro-1,3-butadiene		1.63	ca	7.19	ca	ns	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene		0.25	ca	1.15	ca	0.03	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene		2.55	nc	10.8	nc	ns	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane		2.52	ca	11.1	ca	ns	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene		1.15	ca	21.1	ca	ns	0.0030 J	0.0194	<0.0494	0.0073 J	<0.0260	<0.0029	<0.0028
Isophorone		571	ca	2,420	ca	ns	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine		0.08	ca	0.33	ca	ns	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine		111	ca	469	ca	0.08	NA	NA	NA	NA	NA	NA	NA
Naphthalene		5.52	ca	24.1	ca	0.66	<0.0092	<0.0103	6.77	<0.0113	2.25	0.0757	0.570
Nitrobenzene		7.42	ca	32.4	ca	ns	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol		1.02	ca	3.97	ca	0.003	NA	NA	NA	NA	NA	NA	NA
Phenanthrene		ns	ns	ns	ns	ns	<0.0128	0.0188 J	<0.262	0.0175 J	0.150 J	<0.0155	<0.0150
Phenol		19,000	nc	100,000	ceiling	2.3	NA	NA	NA	NA	NA	NA	NA
Pyrene		1,790	nc	22,600	nc	55	0.0069 J	0.0409	<0.101	0.0208	0.0944 J	<0.0060	<0.0058
bis(2-Chloroethoxy)methane		190	nc	2,460	nc	ns	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl) ether		ns	ns	ns	ns	ns	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate		38.8	ca	164	ca	2.9	NA	NA	NA	NA	NA	NA	NA

Notes:

All units are milligrams per kilogram (mg/kg).

All depths are measured in feet below ground surface (ft bgs).

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds a soil to groundwater residual contaminant level (RCL).

Shaded Value exceeds an industrial direct contact RCL.

Shaded Value exceeds a non-industrial direct contact RCL.

Soil sample collected below the water table.

NA Not analyzed.

ca Carcinogen.

Csat Saturation concentration.

GW Groundwater.

nc Non-carcinogen.

ns No established standard.

Table A-3

Soil Sample Analytical Results - Semi-Volatile Organic Compounds (SVOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)							
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-8 (10-12') 8/1/17 (5.13')	SB-9 (4-5') 8/1/17 (4.75')	SB-11 (4-5') 7/31/17 (4.41')	SB-12 (1-1.5') 8/1/17 (4.35')	SB-13 (1.5-2') 7/28/17 (3.45')	SB-14 (3-4') 7/28/17 (4.18')	SB-15 (5-7') 7/28/17 (2.97')
1,2,4-Trichlorobenzene		24	ca	113	ca	0.41	NA	NA	NA	<0.0223	NA	<0.0288	<0.0468
1,2-Dichlorobenzene		376	Csat	376	Csat	1.17	NA	NA	NA	<0.0622	NA	<0.0802	<0.130
1,3-Dichlorobenzene		297	Csat	297	Csat	1.15	NA	NA	NA	<0.0274	NA	<0.0353	<0.0573
1,4-Dichlorobenzene		3.74	ca	16.4	ca	0.14	NA	NA	NA	<0.0275	NA	<0.0355	<0.0577
1-Methylnaphthalene		17.6	ca	72.7	ca	ns	0.0069 J	3.30	0.240	NA	<0.0060	NA	NA
2,2'-Oxybis(1-chloropropane)		ns	ns	ns	ns	ns	NA	NA	NA	<0.0510	NA	<0.0658	<0.107
2,4,5-Trichlorophenol		6,320	nc	82,100	nc	ns	NA	NA	NA	<0.0349	NA	<0.0451	<0.0731
2,4,6-Trichlorophenol		49	ca	209	ca	ns	NA	NA	NA	<0.0301	NA	<0.0389	<0.0631
2,4-Dichlorophenol		190	nc	2,460	nc	ns	NA	NA	NA	<0.0528	NA	<0.0682	<0.111
2,4-Dimethylphenol		1,260	nc	16,400	nc	ns	NA	NA	NA	<0.0391	NA	<0.0505	<0.0819
2,4-Dinitrophenol		126	nc	1,640	nc	ns	NA	NA	NA	<0.0602	NA	<0.0777	<0.126
2,4-Dinitrotoluene		1.74	ca	7.37	ca	0.0001	NA	NA	NA	<0.0283	NA	<0.0365	<0.0592
2,6-Dinitrotoluene		0.36	ca	1.54	ca	0.0001	NA	NA	NA	<0.0375	NA	<0.0484	<0.0786
2-Chloronaphthalene		ns	ns	ns	ns	ns	NA	NA	NA	<0.0254	NA	<0.0328	<0.0531
2-Chlorophenol		391	nc	5,840	nc	ns	NA	NA	NA	<0.0493	NA	<0.0637	<0.103
2-Methylnaphthalene		239	nc	3,010	nc	ns	<0.0077	4.16	0.567	0.0698 J	<0.0075	<0.0663	<0.107
2-Methylphenol(o-Cresol)		ns	ns	ns	ns	ns	NA	NA	NA	<0.0359	NA	<0.0464	<0.0752
2-Nitroaniline		627	nc	8,010	nc	ns	NA	NA	NA	<0.0563	NA	<0.0727	<0.118
2-Nitrophenol		ns	ns	ns	ns	ns	NA	NA	NA	<0.0624	NA	<0.0805	<0.131
3&4-Methylphenol(m&p Cresol)		ns	ns	ns	ns	ns	NA	NA	NA	<0.0362	NA	<0.0468	<0.0759
3,3'-Dichlorobenzidine		1.21	ca	5.11	ca	ns	NA	NA	NA	<0.0536	NA	<0.0692	<0.112
3-Nitroaniline		ns	ns	ns	ns	ns	NA	NA	NA	<0.0336	NA	<0.0434	<0.0704
4,6-Dinitro-2-methylphenol		ns	ns	ns	ns	ns	NA	NA	NA	<0.0609	NA	<0.0787	<0.128
4-Bromophenylphenyl ether		ns	ns	ns	ns	ns	NA	NA	NA	<0.0414	NA	<0.0534	<0.0867
4-Chloro-3-methylphenol		ns	ns	ns	ns	ns	NA	NA	NA	<0.0615	NA	<0.0794	<0.129
4-Chloroaniline		ns	ns	ns	ns	ns	NA	NA	NA	<0.0325	NA	<0.0419	<0.0680
4-Chlorophenylphenyl ether		ns	ns	ns	ns	ns	NA	NA	NA	<0.0368	NA	<0.0475	<0.0771
4-Nitroaniline		27.10	ca	115	ca	ns	NA	NA	NA	<0.0821	NA	<0.106	<0.172
4-Nitrophenol		ns	ns	ns	ns	ns	NA	NA	NA	<0.0498	NA	<0.0643	<0.104
Acenaphthene		3,590	nc	45,200	nc	ns	<0.0060	0.169	<0.0123	0.106 J	0.0189 J	0.247 J	<0.147
Acenaphthylene		0.00	ns	ns	ns	ns	<0.0051	0.0791 J	<0.0104	0.0815 J	<0.0049	<0.0910	<0.148
Anthracene		17,900	nc	100,000	ceiling	197	<0.0088	<0.0650	<0.0180	0.358	0.0443	0.855	<0.0662
Benzo(a)anthracene		1.14	ca	20.8	ca	ns	<0.0049	0.0526 J	<0.0100	0.913	0.115	2.36	<0.0641
Benzo(a)pyrene		0.12	ca	2.11	ca	0.47	<0.0039	0.0352 J	<0.0079	1.03	0.107	2.24	<0.0623
Benzo(b)fluoranthene		1.15	ca	21.1	ca	0.48	<0.0044	0.0415 J	<0.0089	1.16	0.103	2.81	<0.0711
Benzo(g,h,i)perylene		ns	ns	ns	0	ns	<0.0031	<0.0231	<0.0064	0.676	0.0721	1.40	<0.108
Benzo(k)fluoranthene		11.5	ca	211	ca	ns	<0.0039	<0.0286	<0.0079	0.536	0.106	1.06	<0.0991
Butylbenzylphthalate		286	ca	1,210	ca	ns	NA	NA	NA	0.0807 J	NA	<0.0409	<0.0664
Carbazole		ns	ns	ns	ns	ns	NA	NA	NA	0.149	NA	0.232	<0.0648
Chrysene		115	ca	2,110	ca	0.14	<0.0052	0.0586 J	<0.0107	1.07	0.128	2.38	<0.0619
Di-n-butylphthalate		6,320	nc	82,100	nc	5.03	NA	NA	NA	<0.0295	NA	<0.0381	<0.0619
Di-n-octylphthalate		632	nc	8,210	nc	ns	NA	NA	NA	<0.0445	NA	<0.0574	<0.0931
Dibenz(a,h)anthracene		0.12	ca	2.11	ca	ns	<0.0035	<0.0254	<0.0071	0.155 J	0.0264	0.316	<0.112
Dibenzofuran		73	nc	1,040	nc	ns	NA	NA	NA	0.0545 J	NA	0.110	<0.0501

Table A-3

Soil Sample Analytical Results - Semi-Volatile Organic Compounds (SVOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)							
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-8 (10-12') 8/1/17 (5.13')	SB-9 (4-5') 8/1/17 (4.75')	SB-11 (4-5') 7/31/17 (4.41')	SB-12 (1-1.5') 8/1/17 (4.35')	SB-13 (1.5-2') 7/28/17 (3.45')	SB-14 (3-4') 7/28/17 (4.18')	SB-15 (5-7') 7/28/17 (2.97')
Diethylphthalate		50,600	nc	100,000	ceiling	ns	NA	NA	NA	<0.0328	NA	<0.0423	<0.0686
Dimethylphthalate		569	nc	7,390	nc	ns	NA	NA	NA	<0.0257	NA	<0.0332	<0.0538
Fluoranthene		2,390	nc	30,100	nc	88.9	<0.0080	0.0846 J	<0.0165	2.32	0.298	5.35	0.0810 J
Fluorene		2,390	nc	30,100	nc	14.8	<0.0064	0.206	<0.0131	0.119	0.0153 J	0.317	<0.0484
Hexachloro-1,3-butadiene		1.63	ca	7.19	ca	ns	NA	NA	NA	<0.0504	NA	<0.0650	<0.105
Hexachlorobenzene		0.25	ca	1.15	ca	0.03	NA	NA	NA	<0.0332	NA	<0.0429	<0.0696
Hexachlorocyclopentadiene		2.55	nc	10.8	nc	ns	NA	NA	NA	<0.0468	NA	<0.0604	<0.0980
Hexachloroethane		2.52	ca	11.1	ca	ns	NA	NA	NA	<0.0316	NA	<0.0408	<0.0662
Indeno(1,2,3-cd)pyrene		1.15	ca	21.1	ca	ns	<0.0034	<0.0250	<0.0069	0.724	0.0647	1.71	<0.0896
Isophorone		571	ca	2,420	ca	ns	NA	NA	NA	<0.0304	NA	<0.0392	<0.0636
N-Nitroso-di-n-propylamine		0.08	ca	0.33	ca	ns	NA	NA	NA	<0.0314	NA	<0.0405	<0.0657
N-Nitrosodiphenylamine		111	ca	469	ca	0.08	NA	NA	NA	<0.268	NA	<0.346	<0.562
Naphthalene		5.52	ca	24.1	ca	0.66	<0.0130	1.96	1.35	<0.0691	<0.0126	<0.0892	<0.145
Nitrobenzene		7.42	ca	32.4	ca	ns	NA	NA	NA	<0.0401	NA	<0.0517	<0.0839
Pentachlorophenol		1.02	ca	3.97	ca	0.003	NA	NA	NA	<0.0435	NA	<0.0562	<0.0912
Phenanthrene		ns	ns	ns	ns	ns	<0.0180	0.617	<0.0368	1.27	0.176	2.53	0.0697 J
Phenol		19,000	nc	100,000	ceiling	2.3	NA	NA	NA	<0.0469	NA	<0.0606	<0.0982
Pyrene		1,790	nc	22,600	nc	55	<0.0070	0.0781 J	<0.0143	1.76	0.218	3.69	<0.0917
bis(2-Chloroethoxy)methane		190	nc	2,460	nc	ns	NA	NA	NA	<0.0532	NA	<0.0687	<0.111
bis(2-Chloroethyl) ether		ns	ns	ns	ns	ns	NA	NA	NA	<0.0617	NA	<0.0797	<0.129
bis(2-Ethylhexyl)phthalate		38.8	ca	164	ca	2.9	NA	NA	NA	<0.0329	NA	<0.0424	<0.0688

Notes:

All units are milligrams per kilogram (mg/kg).

All depths are measured in feet below ground surface (ft bgs).

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds a soil to groundwater residual contaminant level (RCL).

Shaded Value exceeds an industrial direct contact RCL.

Shaded Value exceeds a non-industrial direct contact RCL.

Soil sample collected below the water table.

NA Not analyzed.

ca Carcinogen.

Csat Saturation concentration.

GW Groundwater.

nc Non-carcinogen.

ns No established standard.

Table A-3

Soil Sample Analytical Results - Semi-Volatile Organic Compounds (SVOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)							
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-16 (2-2.5') 8/2/17	SB-17 (4-5') 8/2/17 (7.17')	SB-18 (4-5') 7/28/17 (6.28')	SB-19 (1.5-2') 7/31/17 (2.88')	SB-20 (3-4') 7/31/17 (4.99')	SB-21 (3-3.5') 7/31/17 (6.54')	SB-22 (4-5') 7/31/17 (6.53')
1,2,4-Trichlorobenzene		24	ca	113	ca	0.41	<0.0567	<0.0202	NA	<0.0223	<0.0212	<0.0212	NA
1,2-Dichlorobenzene		376	Csat	376	Csat	1.17	<0.158	<0.0561	NA	<0.0619	<0.0591	<0.0589	NA
1,3-Dichlorobenzene		297	Csat	297	Csat	1.15	<0.0694	<0.0247	NA	<0.0273	<0.0260	<0.0259	NA
1,4-Dichlorobenzene		3.74	ca	16.4	ca	0.14	<0.0698	<0.0248	NA	<0.0274	<0.0262	<0.0261	NA
1-Methylnaphthalene		17.6	ca	72.7	ca	ns	NA	NA	<0.0053	NA	NA	NA	<0.0047
2,2'-Oxybis(1-chloropropane)		ns	ns	ns	ns	ns	<0.129	<0.0460	NA	<0.0508	<0.0484	<0.0483	NA
2,4,5-Trichlorophenol		6,320	nc	82,100	nc	ns	<0.0885	<0.0315	NA	<0.0348	<0.0332	<0.0331	NA
2,4,6-Trichlorophenol		49	ca	209	ca	ns	<0.0764	<0.0272	NA	<0.0300	<0.0286	<0.0286	NA
2,4-Dichlorophenol		190	nc	2,460	nc	ns	<0.134	<0.0476	NA	<0.0526	<0.0502	<0.0501	NA
2,4-Dimethylphenol		1,260	nc	16,400	nc	ns	<0.0991	<0.0353	NA	<0.0389	<0.0371	<0.0370	NA
2,4-Dinitrophenol		126	nc	1,640	nc	ns	<0.153	<0.0543	NA	<0.0600	<0.0572	<0.0571	NA
2,4-Dinitrotoluene		1.74	ca	7.37	ca	0.0001	<0.0717	<0.0255	NA	<0.0282	<0.0269	<0.0268	NA
2,6-Dinitrotoluene		0.36	ca	1.54	ca	0.0001	<0.0951	<0.0338	NA	<0.0374	<0.0357	<0.0356	NA
2-Chloronaphthalene		ns	ns	ns	ns	ns	<0.0643	<0.0229	NA	<0.0253	<0.0241	<0.0240	NA
2-Chlorophenol		391	nc	5,840	nc	ns	<0.125	<0.0445	NA	<0.0491	<0.0469	<0.0467	NA
2-Methylnaphthalene		239	nc	3,010	nc	ns	<0.130	<0.0463	<0.0066	0.0744 J	<0.0488	<0.0486	<0.0058
2-Methylphenol(o-Cresol)		ns	ns	ns	ns	ns	<0.0911	<0.0324	NA	<0.0358	<0.0341	<0.0340	NA
2-Nitroaniline		627	nc	8,010	nc	ns	<0.143	<0.0508	NA	<0.0561	<0.0535	<0.0534	NA
2-Nitrophenol		ns	ns	ns	ns	ns	<0.158	<0.0563	NA	<0.0621	<0.0593	<0.0591	NA
3&4-Methylphenol(m&p Cresol)		ns	ns	ns	ns	ns	<0.0918	<0.0327	NA	<0.0361	<0.0344	<0.0343	NA
3,3'-Dichlorobenzidine		1.21	ca	5.11	ca	ns	<0.136	<0.0484	NA	<0.0534	<0.0510	<0.0508	NA
3-Nitroaniline		ns	ns	ns	ns	ns	<0.0852	<0.0303	NA	<0.0335	<0.0319	<0.0319	NA
4,6-Dinitro-2-methylphenol		ns	ns	ns	ns	ns	<0.154	<0.0549	NA	<0.0607	<0.0579	<0.0577	NA
4-Bromophenylphenyl ether		ns	ns	ns	ns	ns	<0.105	<0.0373	NA	<0.0412	<0.0393	<0.0392	NA
4-Chloro-3-methylphenol		ns	ns	ns	ns	ns	<0.156	<0.0555	NA	<0.0613	<0.0584	<0.0583	NA
4-Chloroaniline		ns	ns	ns	ns	ns	<0.0824	<0.0293	NA	<0.0324	<0.0309	<0.0308	NA
4-Chlorophenylphenyl ether		ns	ns	ns	ns	ns	<0.0933	<0.0332	NA	<0.0367	<0.0350	<0.0349	NA
4-Nitroaniline		27.10	ca	115	ca	ns	<0.208	<0.0740	NA	<0.0817	<0.0780	<0.0777	NA
4-Nitrophenol		ns	ns	ns	ns	ns	<0.126	<0.0449	NA	<0.0496	<0.0473	<0.0472	NA
Acenaphthene		3,590	nc	45,200	nc	ns	<0.178	<0.0632	0.0151 J	<0.0698	<0.0666	<0.0664	<0.0045
Acenaphthylene		0.00	ns	ns	ns	ns	<0.179	<0.0636	0.0072 J	<0.0702	<0.0670	<0.0668	<0.0038
Anthracene		17,900	nc	100,000	ceiling	197	<0.0801	<0.0285	0.0579	<0.0315	<0.0300	<0.0299	<0.0066
Benzo(a)anthracene		1.14	ca	20.8	ca	ns	0.102 J	<0.0276	0.147	0.0554 J	<0.0291	<0.0290	0.0101 J
Benzo(a)pyrene		0.12	ca	2.11	ca	0.47	0.128 J	<0.0268	0.149	0.0650 J	0.0749 J	<0.0282	0.0084 J
Benzo(b)fluoranthene		1.15	ca	21.1	ca	0.48	0.132 J	<0.0306	0.108	0.0976 J	0.0716 J	<0.0322	0.0108 J
Benzo(g,h,i)perylene		ns	ns	ns	0	ns	0.146 J	<0.0466	0.104	0.0748 J	0.135 J	<0.0490	0.0060 J
Benzo(k)fluoranthene		11.5	ca	211	ca	ns	<0.120	<0.0427	0.152	<0.0471	<0.0450	<0.0448	0.0044 J
Butylbenzylphthalate		286	ca	1,210	ca	ns	<0.0804	<0.0286	NA	<0.0316	<0.0301	<0.0300	NA
Carbazole		ns	ns	ns	ns	ns	<0.0785	<0.0279	NA	<0.0308	<0.0294	<0.0293	NA
Chrysene		115	ca	2,110	ca	0.14	0.179 J	<0.0267	0.180	0.0846 J	0.0286 J	0.0354 J	0.0090 J
Di-n-butylphthalate		6,320	nc	82,100	nc	5.03	<0.0749	<0.0266	NA	<0.0294	<0.0281	<0.0280	NA
Di-n-octylphthalate		632	nc	8,210	nc	ns	<0.113	<0.0401	NA	<0.0443	<0.0422	<0.0421	NA
Dibenz(a,h)anthracene		0.12	ca	2.11	ca	ns	<0.136	<0.0484	0.0389	<0.0535	<0.0510	<0.0509	<0.0026
Dibenzofuran		73	nc	1,040	nc	ns	<0.0607	<0.0216	NA	0.0256 J	<0.0227	<0.0227	NA

Table A-3

Soil Sample Analytical Results - Semi-Volatile Organic Compounds (SVOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)							
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-16 (2-2.5') 8/2/17	SB-17 (4-5') 8/2/17 (7.17')	SB-18 (4-5') 7/28/17 (6.28')	SB-19 (1.5-2') 7/31/17 (2.88')	SB-20 (3-4') 7/31/17 (4.99')	SB-21 (3-3.5') 7/31/17 (6.54')	SB-22 (4-5') 7/31/17 (6.53')
Diethylphthalate		50,600	nc	100,000	ceiling	ns	<0.0831	<0.0296	NA	<0.0326	<0.0311	<0.0311	NA
Dimethylphthalate		569	nc	7,390	nc	ns	<0.0652	<0.0232	NA	<0.0256	<0.0244	<0.0244	NA
Fluoranthene		2,390	nc	30,100	nc	88.9	0.182 J	<0.0252	0.308	0.134	<0.0266	0.0556 J	0.0164 J
Fluorene		2,390	nc	30,100	nc	14.8	<0.0586	<0.0208	0.0200	<0.0230	<0.0220	<0.0219	<0.0048
Hexachloro-1,3-butadiene		1.63	ca	7.19	ca	ns	<0.128	<0.0454	NA	<0.0502	<0.0478	<0.0477	NA
Hexachlorobenzene		0.25	ca	1.15	ca	0.03	<0.0843	<0.0300	NA	<0.0331	<0.0316	<0.0315	NA
Hexachlorocyclopentadiene		2.55	nc	10.8	nc	ns	<0.119	<0.0422	NA	<0.0466	<0.0444	<0.0443	NA
Hexachloroethane		2.52	ca	11.1	ca	ns	<0.0802	<0.0285	NA	<0.0315	<0.0301	<0.0300	NA
Indeno(1,2,3-cd)pyrene		1.15	ca	21.1	ca	ns	0.124 J	<0.0386	0.0924	0.0728 J	0.109 J	<0.0405	0.0050 J
Isophorone		571	ca	2,420	ca	ns	<0.0770	<0.0274	NA	<0.0303	<0.0289	<0.0288	NA
N-Nitroso-di-n-propylamine		0.08	ca	0.33	ca	ns	<0.0795	<0.0283	NA	<0.0312	<0.0298	<0.0297	NA
N-Nitrosodiphenylamine		111	ca	469	ca	0.08	<0.680	<0.242	NA	<0.267	<0.255	<0.254	NA
Naphthalene		5.52	ca	24.1	ca	0.66	<0.175	<0.0623	<0.0110	<0.0688	<0.0657	<0.0655	<0.0098
Nitrobenzene		7.42	ca	32.4	ca	ns	<0.102	<0.0362	NA	<0.0399	<0.0381	<0.0380	NA
Pentachlorophenol		1.02	ca	3.97	ca	0.003	<0.110	<0.0393	NA	<0.0434	<0.0414	<0.0412	NA
Phenanthrene		ns	ns	ns	ns	ns	0.222	<0.0229	0.190	0.149	<0.0241	0.146	<0.0135
Phenol		19,000	nc	100,000	ceiling	2.3	<0.119	<0.0423	NA	<0.0467	<0.0446	<0.0444	NA
Pyrene		1,790	nc	22,600	nc	55	0.203 J	<0.0395	0.275	0.111 J	<0.0416	<0.0415	0.0127 J
bis(2-Chloroethoxy)methane		190	nc	2,460	nc	ns	<0.135	<0.0480	NA	<0.0530	<0.0506	<0.0504	NA
bis(2-Chloroethyl) ether		ns	ns	ns	ns	ns	<0.156	<0.0557	NA	<0.0615	<0.0586	<0.0585	NA
bis(2-Ethylhexyl)phthalate		38.8	ca	164	ca	2.9	<0.0833	<0.0296	NA	<0.0327	<0.0312	<0.0311	NA

Notes:

All units are milligrams per kilogram (mg/kg).

All depths are measured in feet below ground surface (ft bgs).

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds a soil to groundwater residual contaminant level (RCL).

Shaded Value exceeds an industrial direct contact RCL.

Shaded Value exceeds a non-industrial direct contact RCL.

Soil sample collected below the water table.

NA Not analyzed.

ca Carcinogen.

Csat Saturation concentration.

GW Groundwater.

nc Non-carcinogen.

ns No established standard.

Table A-3

Soil Sample Analytical Results - Semi-Volatile Organic Compounds (SVOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)							
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-23 (2-2.5') 7/31/17 (4.08')	SB-24 (3-4') 7/31/17 (8.11')	SB-25 (3-4') 7/31/17 (2.97')	SB-29 (2-2.5') 7/28/17 (3.21')	SB-33 (2.5-3') 7/28/17 (3.74')	SB-35 (3.5-4.5') 7/27/17 (2.6')	SB-38 (8-10') 7/27/17 (6.5')
1,2,4-Trichlorobenzene		24	ca	113	ca	0.41	<0.0204	<0.0212	<0.234	<0.0239	<0.0231	<0.0303	<0.216
1,2-Dichlorobenzene		376	Csat	376	Csat	1.17	<0.0568	<0.0590	<0.650	<0.0664	<0.0643	<0.0843	<0.600
1,3-Dichlorobenzene		297	Csat	297	Csat	1.15	<0.0250	<0.0260	<0.286	<0.0293	<0.0283	<0.0371	<0.264
1,4-Dichlorobenzene		3.74	ca	16.4	ca	0.14	<0.0252	<0.0262	<0.288	<0.0294	<0.0285	<0.0374	<0.266
1-Methylnaphthalene		17.6	ca	72.7	ca	ns	NA	NA	NA	NA	NA	NA	NA
2,2'-Oxybis(1-chloropropane)		ns	ns	ns	ns	ns	<0.0466	<0.0484	<0.533	<0.0545	<0.0527	<0.0692	<0.492
2,4,5-Trichlorophenol		6,320	nc	82,100	nc	ns	<0.0319	<0.0332	<0.365	<0.0373	<0.0361	<0.0474	<0.337
2,4,6-Trichlorophenol		49	ca	209	ca	ns	<0.0276	<0.0286	<0.315	<0.0322	<0.0312	<0.0409	<0.291
2,4-Dichlorophenol		190	nc	2,460	nc	ns	<0.0483	<0.0502	<0.552	<0.0565	<0.0546	<0.0717	<0.510
2,4-Dimethylphenol		1,260	nc	16,400	nc	ns	<0.0357	<0.0371	<0.409	<0.0418	<0.0404	<0.0530	<0.378
2,4-Dinitrophenol		126	nc	1,640	nc	ns	<0.0551	<0.0572	<0.630	<0.0644	<0.0623	<0.0817	<0.582
2,4-Dinitrotoluene		1.74	ca	7.37	ca	0.0001	<0.0259	<0.0269	<0.296	<0.0302	<0.0292	<0.0384	<0.273
2,6-Dinitrotoluene		0.36	ca	1.54	ca	0.0001	<0.0343	<0.0356	<0.392	<0.0401	<0.0388	<0.0509	<0.362
2-Chloronaphthalene		ns	ns	ns	ns	ns	<0.0232	<0.0241	<0.265	<0.0271	<0.0263	<0.0344	<0.245
2-Chlorophenol		391	nc	5,840	nc	ns	<0.0451	<0.0469	<0.516	<0.0527	<0.0510	<0.0669	<0.477
2-Methylnaphthalene		239	nc	3,010	nc	ns	<0.0469	0.314	0.575 J	0.249	<0.0531	2.43	<0.496
2-Methylphenol(o-Cresol)		ns	ns	ns	ns	ns	<0.0328	<0.0341	<0.375	<0.0384	<0.0371	<0.0487	<0.347
2-Nitroaniline		627	nc	8,010	nc	ns	<0.0515	<0.0535	<0.589	<0.0602	<0.0583	<0.0764	<0.544
2-Nitrophenol		ns	ns	ns	ns	ns	<0.0570	<0.0593	<0.652	<0.0667	<0.0645	<0.0846	<0.603
3&4-Methylphenol(m&p Cresol)		ns	ns	ns	ns	ns	<0.0331	<0.0344	<0.379	<0.0387	<0.0375	<0.0491	<0.350
3,3'-Dichlorobenzidine		1.21	ca	5.11	ca	ns	<0.0490	<0.0509	<0.561	<0.0573	<0.0555	<0.0728	<0.518
3-Nitroaniline		ns	ns	ns	ns	ns	<0.0307	<0.0319	<0.351	<0.0359	<0.0348	<0.0456	<0.325
4,6-Dinitro-2-methylphenol		ns	ns	ns	ns	ns	<0.0557	<0.0579	<0.637	<0.0651	<0.0630	<0.0827	<0.588
4-Bromophenylphenyl ether		ns	ns	ns	ns	ns	<0.0379	<0.0393	<0.433	<0.0442	<0.0428	<0.0562	<0.400
4-Chloro-3-methylphenol		ns	ns	ns	ns	ns	<0.0562	<0.0584	<0.643	<0.0657	<0.0636	<0.0834	<0.594
4-Chloroaniline		ns	ns	ns	ns	ns	<0.0297	<0.0309	<0.340	<0.0347	<0.0336	<0.0441	<0.314
4-Chlorophenylphenyl ether		ns	ns	ns	ns	ns	<0.0337	<0.0350	<0.385	<0.0394	<0.0381	<0.0499	<0.356
4-Nitroaniline		27.10	ca	115	ca	ns	<0.0750	<0.0779	<0.858	<0.0877	<0.0849	<0.111	<0.792
4-Nitrophenol		ns	ns	ns	ns	ns	<0.0455	<0.0473	<0.520	<0.0532	<0.0515	<0.0675	<0.481
Acenaphthene		3,590	nc	45,200	nc	ns	<0.0641	0.109 J	1.69 J	0.141 J	<0.0725	1.08	<0.677
Acenaphthylene		0.00	ns	ns	ns	ns	<0.0645	<0.0670	<0.737	<0.0754	<0.0729	0.0983 J	<0.681
Anthracene		17,900	nc	100,000	ceiling	197	0.0293 J	0.272	4.42	0.281	<0.0327	0.481	<0.305
Benzo(a)anthracene		1.14	ca	20.8	ca	ns	0.102	0.561	5.26	0.603	<0.0317	0.319	<0.296
Benzo(a)pyrene		0.12	ca	2.11	ca	0.47	0.112	0.528	3.96	0.642	<0.0308	0.244	<0.287
Benzo(b)fluoranthene		1.15	ca	21.1	ca	0.48	0.137	0.655	5.31	0.737	<0.0351	0.219	<0.328
Benzo(g,h,i)perylene		ns	ns	ns	0	ns	0.0929 J	0.348	2.26	0.455	<0.0535	0.144 J	<0.500
Benzo(k)fluoranthene		11.5	ca	211	ca	ns	0.0495 J	0.229	1.91	0.266	<0.0490	0.0920 J	<0.457
Butylbenzylphthalate		286	ca	1,210	ca	ns	<0.0290	<0.0301	<0.331	<0.0339	<0.0328	<0.0430	<0.306
Carbazole		ns	ns	ns	ns	ns	<0.0283	0.124	2.06	0.125	<0.0320	<0.0420	<0.299
Chrysene		115	ca	2,110	ca	0.14	0.113	0.578	5.51	0.614	<0.0306	0.372	<0.285
Di-n-butylphthalate		6,320	nc	82,100	nc	5.03	<0.0270	<0.0281	<0.309	<0.0316	<0.0306	<0.0401	<0.285
Di-n-octylphthalate		632	nc	8,210	nc	ns	<0.0406	<0.0422	<0.465	<0.0475	<0.0460	<0.0603	<0.429
Dibenz(a,h)anthracene		0.12	ca	2.11	ca	ns	<0.0491	0.0976 J	0.631 J	0.0941 J	<0.0555	<0.0728	<0.519
Dibenzofuran		73	nc	1,040	nc	ns	<0.0219	0.113	1.26	0.0664 J	<0.0247	0.113	<0.231

Table A-3

Soil Sample Analytical Results - Semi-Volatile Organic Compounds (SVOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)							
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-23 (2-2.5') 7/31/17 (4.08')	SB-24 (3-4') 7/31/17 (8.11')	SB-25 (3-4') 7/31/17 (2.97')	SB-29 (2-2.5') 7/28/17 (3.21')	SB-33 (2.5-3') 7/28/17 (3.74')	SB-35 (3.5-4.5') 7/27/17 (2.6')	SB-38 (8-10') 7/27/17 (6.5')
Diethylphthalate		50,600	nc	100,000	ceiling	ns	<0.0300	<0.0311	<0.343	<0.0350	<0.0339	<0.0445	<0.317
Dimethylphthalate		569	nc	7,390	nc	ns	<0.0235	<0.0244	<0.269	<0.0275	<0.0266	<0.0349	<0.248
Fluoranthene		2,390	nc	30,100	nc	88.9	0.220	1.24	14.4	1.58	<0.0289	0.677	<0.270
Fluorene		2,390	nc	30,100	nc	14.8	<0.0211	0.120	2.21	0.140	<0.0239	0.581	<0.223
Hexachloro-1,3-butadiene		1.63	ca	7.19	ca	ns	<0.0460	<0.0478	<0.526	<0.0538	<0.0521	<0.0683	<0.486
Hexachlorobenzene		0.25	ca	1.15	ca	0.03	<0.0304	<0.0316	<0.348	<0.0355	<0.0344	<0.0451	<0.321
Hexachlorocyclopentadiene		2.55	nc	10.8	nc	ns	<0.0428	<0.0444	<0.489	<0.0500	<0.0484	<0.0635	<0.452
Hexachloroethane		2.52	ca	11.1	ca	ns	<0.0289	<0.0300	<0.331	<0.0338	<0.0327	<0.0429	<0.306
Indeno(1,2,3-cd)pyrene		1.15	ca	21.1	ca	ns	0.0833 J	0.388	2.70	0.477	<0.0442	0.141 J	<0.413
Isophorone		571	ca	2,420	ca	ns	<0.0278	<0.0289	<0.318	<0.0325	<0.0314	<0.0412	<0.294
N-Nitroso-di-n-propylamine		0.08	ca	0.33	ca	ns	<0.0287	<0.0298	<0.328	<0.0335	<0.0324	<0.0425	<0.303
N-Nitrosodiphenylamine		111	ca	469	ca	0.08	<0.245	<0.255	<2.80	<0.287	<0.277	<0.364	<2.59
Naphthalene		5.52	ca	24.1	ca	0.66	<0.0632	0.269	<0.723	0.352	<0.0715	3.42	<0.668
Nitrobenzene		7.42	ca	32.4	ca	ns	<0.0367	<0.0381	<0.419	<0.0428	<0.0415	<0.0544	<0.387
Pentachlorophenol		1.02	ca	3.97	ca	0.003	<0.0398	<0.0414	<0.455	<0.0465	<0.0450	<0.0591	<0.420
Phenanthrene		ns	ns	ns	ns	ns	0.106	0.990	15.9	1.24	<0.0262	1.67	<0.245
Phenol		19,000	nc	100,000	ceiling	2.3	<0.0429	<0.0446	<0.490	<0.0501	<0.0485	0.0738 J	<0.453
Pyrene		1,790	nc	22,600	nc	55	0.180	1.07	10.7	1.31	<0.0453	0.882	<0.423
bis(2-Chloroethoxy)methane		190	nc	2,460	nc	ns	<0.0487	<0.0506	<0.557	<0.0569	<0.0551	<0.0722	<0.514
bis(2-Chloroethyl) ether		ns	ns	ns	ns	ns	<0.0564	<0.0586	<0.645	<0.0660	<0.0638	<0.0837	<0.596
bis(2-Ethylhexyl)phthalate		38.8	ca	164	ca	2.9	<0.0301	<0.0312	<0.344	<0.0351	<0.0340	<0.0446	<0.317

Notes:

All units are milligrams per kilogram (mg/kg).

All depths are measured in feet below ground surface (ft bgs).

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds a soil to groundwater residual contaminant level (RCL).

Shaded Value exceeds an industrial direct contact RCL.

Shaded Value exceeds a non-industrial direct contact RCL.

Soil sample collected below the water table.

NA Not analyzed.

ca Carcinogen.

Csat Saturation concentration.

GW Groundwater.

nc Non-carcinogen.

ns No established standard.

Table A-3

Soil Sample Analytical Results - Semi-Volatile Organic Compounds (SVOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)							
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-39 (3-4') 8/1/17 (1.5')	SB-40 (4-5') 8/1/17 (8.5')	SB-41 (1-1.5') 8/1/17 (4.43')	SB-42 (1-2') 7/31/17 (12.79')	SB-43 (3-4') 8/1/17 (6.25')	SB-44 (2-3') 8/1/17 (5.28')	SB-45 (2-3') 8/1/17 (3.86')
1,2,4-Trichlorobenzene		24	ca	113	ca	0.41	<0.0285	<0.0308	<0.0243	NA	NA	NA	<0.0208
1,2-Dichlorobenzene		376	Csat	376	Csat	1.17	<0.0791	<0.0858	<0.0676	NA	NA	NA	<0.0579
1,3-Dichlorobenzene		297	Csat	297	Csat	1.15	<0.0349	<0.0378	<0.0298	NA	NA	NA	<0.0255
1,4-Dichlorobenzene		3.74	ca	16.4	ca	0.14	<0.0351	<0.0380	<0.0300	NA	NA	NA	<0.0257
1-Methylnaphthalene		17.6	ca	72.7	ca	ns	NA	NA	NA	0.137 J	<0.0052	0.0087 J	NA
2,2'-Oxybis(1-chloropropane)		ns	ns	ns	ns	ns	<0.0649	<0.0703	<0.0555	NA	NA	NA	<0.0475
2,4,5-Trichlorophenol		6,320	nc	82,100	nc	ns	<0.0445	<0.0482	<0.0380	NA	NA	NA	<0.0325
2,4,6-Trichlorophenol		49	ca	209	ca	ns	<0.0384	<0.0416	<0.0328	NA	NA	NA	<0.0281
2,4-Dichlorophenol		190	nc	2,460	nc	ns	<0.0673	<0.0729	<0.0575	NA	NA	NA	<0.0492
2,4-Dimethylphenol		1,260	nc	16,400	nc	ns	<0.0498	<0.0539	<0.0425	NA	NA	NA	<0.0364
2,4-Dinitrophenol		126	nc	1,640	nc	ns	<0.0767	<0.0831	<0.0655	NA	NA	NA	<0.0561
2,4-Dinitrotoluene		1.74	ca	7.37	ca	0.0001	<0.0360	<0.0390	<0.0308	NA	NA	NA	<0.0263
2,6-Dinitrotoluene		0.36	ca	1.54	ca	0.0001	<0.0478	<0.0518	<0.0408	NA	NA	NA	<0.0350
2-Chloronaphthalene		ns	ns	ns	ns	ns	<0.0323	<0.0350	<0.0276	NA	NA	NA	<0.0236
2-Chlorophenol		391	nc	5,840	nc	ns	<0.0628	<0.0681	<0.0537	NA	NA	NA	<0.0460
2-Methylnaphthalene		239	nc	3,010	nc	ns	<0.0654	<0.0708	<0.0558	<0.165	<0.0064	0.0176 J	0.367
2-Methylphenol(o-Cresol)		ns	ns	ns	ns	ns	<0.0457	<0.0496	<0.0391	NA	NA	NA	<0.0335
2-Nitroaniline		627	nc	8,010	nc	ns	<0.0717	<0.0777	<0.0613	NA	NA	NA	<0.0525
2-Nitrophenol		ns	ns	ns	ns	ns	<0.0794	<0.0861	<0.0679	NA	NA	NA	<0.0581
3&4-Methylphenol(m&p Cresol)		ns	ns	ns	ns	ns	<0.0461	<0.0500	<0.0394	NA	NA	NA	<0.0337
3,3'-Dichlorobenzidine		1.21	ca	5.11	ca	ns	<0.0683	<0.0740	<0.0583	NA	NA	NA	<0.0500
3-Nitroaniline		ns	ns	ns	ns	ns	<0.0428	<0.0464	<0.0366	NA	NA	NA	<0.0313
4,6-Dinitro-2-methylphenol		ns	ns	ns	ns	ns	<0.0776	<0.0841	<0.0663	NA	NA	NA	<0.0568
4-Bromophenylphenyl ether		ns	ns	ns	ns	ns	<0.0527	<0.0571	<0.0450	NA	NA	NA	<0.0386
4-Chloro-3-methylphenol		ns	ns	ns	ns	ns	<0.0783	<0.0849	<0.0669	NA	NA	NA	<0.0573
4-Chloroaniline		ns	ns	ns	ns	ns	<0.0414	<0.0448	<0.0353	NA	NA	NA	<0.0303
4-Chlorophenylphenyl ether		ns	ns	ns	ns	ns	<0.0469	<0.0508	<0.0401	NA	NA	NA	<0.0343
4-Nitroaniline		27.10	ca	115	ca	ns	<0.104	<0.113	<0.0892	NA	NA	NA	<0.0764
4-Nitrophenol		ns	ns	ns	ns	ns	<0.0634	<0.0687	<0.0541	NA	NA	NA	<0.0464
Acenaphthene		3,590	nc	45,200	nc	ns	<0.0893	<0.0967	<0.0763	0.759	<0.0050	0.0133 J	<0.0653
Acenaphthylene		0.00	ns	ns	ns	ns	<0.0898	<0.0973	<0.0767	<0.109	<0.0042	0.0045 J	<0.0657
Anthracene		17,900	nc	100,000	ceiling	197	0.0473 J	<0.0436	<0.0344	1.56	<0.0073	0.0258	0.0489 J
Benzo(a)anthracene		1.14	ca	20.8	ca	ns	0.120 J	0.0900 J	0.115	3.39	<0.0041	0.0486	0.0841 J
Benzo(a)pyrene		0.12	ca	2.11	ca	0.47	0.158	0.114 J	0.0876 J	3.14	<0.0032	0.0667	0.0717 J
Benzo(b)fluoranthene		1.15	ca	21.1	ca	0.48	0.191	0.157	0.104 J	4.40	<0.0036	0.0590	0.0690 J
Benzo(g,h,i)perylene		ns	ns	ns	0	ns	0.231	0.124 J	0.0961 J	1.99	<0.0026	0.0729	0.116 J
Benzo(k)fluoranthene		11.5	ca	211	ca	ns	0.0726 J	0.0672 J	<0.0515	1.80	<0.0032	0.0588	<0.0441
Butylbenzylphthalate		286	ca	1,210	ca	ns	<0.0404	<0.0437	<0.0345	NA	NA	NA	<0.0295
Carbazole		ns	ns	ns	ns	ns	<0.0394	<0.0427	<0.0337	NA	NA	NA	<0.0288
Chrysene		115	ca	2,110	ca	0.14	0.152	0.133 J	0.179	4.17	<0.0043	0.0616	0.127
Di-n-butylphthalate		6,320	nc	82,100	nc	5.03	<0.0376	<0.0408	<0.0321	NA	NA	NA	<0.0275
Di-n-octylphthalate		632	nc	8,210	nc	ns	<0.0566	<0.0613	<0.0483	NA	NA	NA	<0.0414
Dibenz(a,h)anthracene		0.12	ca	2.11	ca	ns	<0.0684	<0.0741	<0.0584	0.534	<0.0029	0.0196	<0.0500
Dibenzofuran		73	nc	1,040	nc	ns	<0.0305	<0.0330	0.119	NA	NA	NA	0.0907

Table A-3

Soil Sample Analytical Results - Semi-Volatile Organic Compounds (SVOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)							
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-39 (3-4') 8/1/17 (1.5')	SB-40 (4-5') 8/1/17 (8.5')	SB-41 (1-1.5') 8/1/17 (4.43')	SB-42 (1-2') 7/31/17 (12.79')	SB-43 (3-4') 8/1/17 (6.25')	SB-44 (2-3') 8/1/17 (5.28')	SB-45 (2-3') 8/1/17 (3.86')
Diethylphthalate		50,600	nc	100,000	ceiling	ns	<0.0417	<0.0452	<0.0357	NA	NA	NA	<0.0305
Dimethylphthalate		569	nc	7,390	nc	ns	<0.0327	<0.0355	<0.0280	NA	NA	NA	<0.0240
Fluoranthene		2,390	nc	30,100	nc	88.9	0.250	0.291	0.212	9.93	<0.0067	0.130	0.0955
Fluorene		2,390	nc	30,100	nc	14.8	<0.0294	<0.0319	0.0291 J	0.643	<0.0053	0.0118 J	<0.0215
Hexachloro-1,3-butadiene		1.63	ca	7.19	ca	ns	<0.0641	<0.0695	<0.0548	NA	NA	NA	<0.0469
Hexachlorobenzene		0.25	ca	1.15	ca	0.03	<0.0423	<0.0459	<0.0362	NA	NA	NA	<0.0310
Hexachlorocyclopentadiene		2.55	nc	10.8	nc	ns	<0.0596	<0.0646	<0.0509	NA	NA	NA	<0.0436
Hexachloroethane		2.52	ca	11.1	ca	ns	<0.0403	<0.0437	<0.0344	NA	NA	NA	<0.0295
Indeno(1,2,3-cd)pyrene		1.15	ca	21.1	ca	ns	0.210	0.142 J	0.0705 J	1.75	<0.0028	0.0537	0.0585 J
Isophorone		571	ca	2,420	ca	ns	<0.0387	<0.0419	<0.0331	NA	NA	NA	<0.0283
N-Nitroso-di-n-propylamine		0.08	ca	0.33	ca	ns	<0.0399	<0.0433	<0.0341	NA	NA	NA	<0.0292
N-Nitrosodiphenylamine		111	ca	469	ca	0.08	<0.342	<0.370	<0.292	NA	NA	NA	<0.250
Naphthalene		5.52	ca	24.1	ca	0.66	<0.0880	<0.0954	<0.0752	<0.278	<0.0108	0.0470	0.148 J
Nitrobenzene		7.42	ca	32.4	ca	ns	<0.0510	<0.0553	<0.0436	NA	NA	NA	<0.0373
Pentachlorophenol		1.02	ca	3.97	ca	0.003	<0.0554	<0.0601	<0.0474	NA	NA	NA	<0.0406
Phenanthrene		ns	ns	ns	ns	ns	0.161	0.179	0.702	8.08	<0.0149	0.0837	0.362
Phenol		19,000	nc	100,000	ceiling	2.3	<0.0597	0.114 J	<0.0510	NA	NA	NA	<0.0437
Pyrene		1,790	nc	22,600	nc	55	0.258	0.213	0.217	6.96	<0.0058	0.108	0.158
bis(2-Chloroethoxy)methane		190	nc	2,460	nc	ns	<0.0678	<0.0735	<0.0579	NA	NA	NA	<0.0496
bis(2-Chloroethyl) ether		ns	ns	ns	ns	ns	<0.0786	<0.0852	<0.0671	NA	NA	NA	<0.0575
bis(2-Ethylhexyl)phthalate		38.8	ca	164	ca	2.9	<0.0419	<0.0454	<0.0358	NA	NA	NA	<0.0306

Notes:

All units are milligrams per kilogram (mg/kg).

All depths are measured in feet below ground surface (ft bgs).

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds a soil to groundwater residual contaminant level (RCL).

Shaded Value exceeds an industrial direct contact RCL.

Shaded Value exceeds a non-industrial direct contact RCL.

Soil sample collected below the water table.

NA Not analyzed.

ca Carcinogen.

Csat Saturation concentration.

GW Groundwater.

nc Non-carcinogen.

ns No established standard.

Table A-3

Soil Sample Analytical Results - Semi-Volatile Organic Compounds (SVOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)							
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-46 (4-5') 8/1/17 (4.11')	SB-47 (2-2.5') 8/1/17 (4.02')	SB-48 (1-2') 8/1/17 (6.37')	SB-49 (5-7') 8/2/17 (4.96')	SB-50 (1-2') 8/2/17 (5.04')	SB-51 (1-1.5') 8/2/17 (4.86')	SB-52 (4-5') 7/28/17 (7.62')
1,2,4-Trichlorobenzene		24	ca	113	ca	0.41	<0.0228	<0.0237	<0.0236	<0.0206	<0.0205	<0.0448	NA
1,2-Dichlorobenzene		376	Csat	376	Csat	1.17	<0.0635	<0.0660	<0.0655	<0.0574	<0.0571	<0.125	NA
1,3-Dichlorobenzene		297	Csat	297	Csat	1.15	<0.0280	<0.0291	<0.0289	<0.0253	<0.0251	<0.0549	NA
1,4-Dichlorobenzene		3.74	ca	16.4	ca	0.14	<0.0281	<0.0292	<0.0290	<0.0254	<0.0253	<0.0552	NA
1-Methylnaphthalene		17.6	ca	72.7	ca	ns	NA	NA	NA	NA	NA	NA	<0.0052
2,2'-Oxybis(1-chloropropane)		ns	ns	ns	ns	ns	<0.0521	<0.0541	<0.0537	<0.0471	<0.0468	<0.102	NA
2,4,5-Trichlorophenol		6,320	nc	82,100	nc	ns	<0.0357	<0.0371	<0.0368	<0.0322	<0.0321	<0.0700	NA
2,4,6-Trichlorophenol		49	ca	209	ca	ns	<0.0308	<0.0320	<0.0318	<0.0278	<0.0277	<0.0604	NA
2,4-Dichlorophenol		190	nc	2,460	nc	ns	<0.0540	<0.0561	<0.0557	<0.0488	<0.0485	<0.106	NA
2,4-Dimethylphenol		1,260	nc	16,400	nc	ns	<0.0400	<0.0415	<0.0412	<0.0361	<0.0359	<0.0784	NA
2,4-Dinitrophenol		126	nc	1,640	nc	ns	<0.0615	<0.0639	<0.0635	<0.0556	<0.0553	<0.121	NA
2,4-Dinitrotoluene		1.74	ca	7.37	ca	0.0001	<0.0289	<0.0300	<0.0298	<0.0261	<0.0259	<0.0567	NA
2,6-Dinitrotoluene		0.36	ca	1.54	ca	0.0001	<0.0384	<0.0398	<0.0396	<0.0347	<0.0344	<0.0753	NA
2-Chloronaphthalene		ns	ns	ns	ns	ns	<0.0259	<0.0269	<0.0267	<0.0234	<0.0233	<0.0509	NA
2-Chlorophenol		391	nc	5,840	nc	ns	<0.0504	<0.0524	<0.0520	<0.0456	<0.0453	<0.0990	NA
2-Methylnaphthalene		239	nc	3,010	nc	ns	0.410	<0.0545	<0.0541	<0.0474	<0.0471	0.131 J	<0.0064
2-Methylphenol(o-Cresol)		ns	ns	ns	ns	ns	<0.0367	<0.0381	<0.0379	<0.0332	<0.0330	<0.0720	NA
2-Nitroaniline		627	nc	8,010	nc	ns	<0.0576	<0.0598	<0.0594	<0.0520	<0.0517	<0.113	NA
2-Nitrophenol		ns	ns	ns	ns	ns	<0.0638	<0.0662	<0.0658	<0.0576	<0.0573	<0.125	NA
3&4-Methylphenol(m&p Cresol)		ns	ns	ns	ns	ns	<0.0370	0.0480 J	<0.0382	<0.0335	<0.0333	<0.0727	NA
3,3'-Dichlorobenzidine		1.21	ca	5.11	ca	ns	<0.0548	<0.0569	<0.0565	<0.0495	<0.0492	<0.108	NA
3-Nitroaniline		ns	ns	ns	ns	ns	<0.0344	<0.0357	<0.0354	<0.0310	<0.0309	<0.0674	NA
4,6-Dinitro-2-methylphenol		ns	ns	ns	ns	ns	<0.0623	<0.0647	<0.0642	<0.0563	<0.0559	<0.122	NA
4-Bromophenylphenyl ether		ns	ns	ns	ns	ns	<0.0423	<0.0440	<0.0436	<0.0382	<0.0380	<0.0830	NA
4-Chloro-3-methylphenol		ns	ns	ns	ns	ns	<0.0629	<0.0653	<0.0648	<0.0568	<0.0565	<0.123	NA
4-Chloroaniline		ns	ns	ns	ns	ns	<0.0332	<0.0345	<0.0342	<0.0300	<0.0298	<0.0652	NA
4-Chlorophenylphenyl ether		ns	ns	ns	ns	ns	<0.0376	<0.0391	<0.0388	<0.0340	<0.0338	<0.0738	NA
4-Nitroaniline		27.10	ca	115	ca	ns	<0.0839	<0.0871	<0.0865	<0.0758	<0.0753	<0.165	NA
4-Nitrophenol		ns	ns	ns	ns	ns	<0.0509	<0.0528	<0.0525	<0.0460	<0.0457	<0.0998	NA
Acenaphthene		3,590	nc	45,200	nc	ns	<0.0716	<0.0744	<0.0739	<0.0647	<0.0643	<0.141	<0.0050
Acenaphthylene		0.00	ns	ns	ns	ns	<0.0721	<0.0749	<0.0743	<0.0651	<0.0647	<0.141	<0.0042
Anthracene		17,900	nc	100,000	ceiling	197	0.0856 J	<0.0335	<0.0333	<0.0292	<0.0290	0.391	0.0117 J
Benzo(a)anthracene		1.14	ca	20.8	ca	ns	0.212	0.0511 J	<0.0323	<0.0283	0.0294 J	1.01	0.0370
Benzo(a)pyrene		0.12	ca	2.11	ca	0.47	0.224	0.0557 J	<0.0313	<0.0275	0.0345 J	0.892	0.0413
Benzo(b)fluoranthene		1.15	ca	21.1	ca	0.48	0.144	0.0699 J	<0.0358	<0.0314	0.0315 J	1.15	0.0316
Benzo(g,h,i)perylene		ns	ns	ns	0	ns	0.443	0.0879 J	<0.0545	<0.0478	<0.0475	0.563	0.0309
Benzo(k)fluoranthene		11.5	ca	211	ca	ns	<0.0484	<0.0502	<0.0499	<0.0437	<0.0434	0.440	0.0402
Butylbenzylphthalate		286	ca	1,210	ca	ns	<0.0324	<0.0337	<0.0334	<0.0293	<0.0291	<0.0636	NA
Carbazole		ns	ns	ns	ns	ns	<0.0316	<0.0329	<0.0326	<0.0286	<0.0284	0.106 J	NA
Chrysene		115	ca	2,110	ca	0.14	0.359	0.0654 J	<0.0312	<0.0273	0.0460 J	1.09	0.0400
Di-n-butylphthalate		6,320	nc	82,100	nc	5.03	<0.0302	<0.0314	<0.0311	<0.0273	<0.0271	<0.0593	NA
Di-n-octylphthalate		632	nc	8,210	nc	ns	<0.0454	<0.0472	<0.0468	<0.0410	<0.0408	<0.0891	NA
Dibenz(a,h)anthracene		0.12	ca	2.11	ca	ns	0.0892 J	<0.0570	<0.0566	<0.0496	<0.0493	0.140 J	0.0094 J
Dibenzofuran		73	nc	1,040	nc	ns	0.0805 J	<0.0254	<0.0252	<0.0221	<0.0220	0.0886 J	NA

Table A-3

Soil Sample Analytical Results - Semi-Volatile Organic Compounds (SVOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)							
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-46 (4-5') 8/1/17 (4.11')	SB-47 (2-2.5') 8/1/17 (4.02')	SB-48 (1-2') 8/1/17 (6.37')	SB-49 (5-7') 8/2/17 (4.96')	SB-50 (1-2') 8/2/17 (5.04')	SB-51 (1-1.5') 8/2/17 (4.86')	SB-52 (4-5') 7/28/17 (7.62')
Diethylphthalate		50,600	nc	100,000	ceiling	ns	<0.0335	<0.0348	<0.0345	<0.0303	<0.0301	<0.0657	NA
Dimethylphthalate		569	nc	7,390	nc	ns	<0.0263	<0.0273	<0.0271	<0.0237	<0.0236	<0.0516	NA
Fluoranthene		2,390	nc	30,100	nc	88.9	0.127	0.0773 J	<0.0295	<0.0258	0.0506 J	2.24	0.0858
Fluorene		2,390	nc	30,100	nc	14.8	0.0302 J	<0.0245	<0.0244	<0.0213	<0.0212	0.131 J	<0.0053
Hexachloro-1,3-butadiene		1.63	ca	7.19	ca	ns	<0.0515	<0.0535	<0.0531	<0.0465	<0.0462	<0.101	NA
Hexachlorobenzene		0.25	ca	1.15	ca	0.03	<0.0340	<0.0353	<0.0350	<0.0307	<0.0305	<0.0667	NA
Hexachlorocyclopentadiene		2.55	nc	10.8	nc	ns	<0.0478	<0.0497	<0.0493	<0.0432	<0.0429	<0.0938	NA
Hexachloroethane		2.52	ca	11.1	ca	ns	<0.0323	<0.0336	<0.0333	<0.0292	<0.0290	<0.0634	NA
Indeno(1,2,3-cd)pyrene		1.15	ca	21.1	ca	ns	0.140 J	0.0456 J	<0.0451	<0.0395	0.0418 J	0.616	0.0260
Isophorone		571	ca	2,420	ca	ns	<0.0311	<0.0323	<0.0320	<0.0281	<0.0279	<0.0609	NA
N-Nitroso-di-n-propylamine		0.08	ca	0.33	ca	ns	<0.0320	<0.0333	<0.0330	<0.0290	<0.0288	<0.0629	NA
N-Nitrosodiphenylamine		111	ca	469	ca	0.08	<0.274	<0.285	<0.283	<0.248	<0.246	<0.538	NA
Naphthalene		5.52	ca	24.1	ca	0.66	0.189 J	<0.0734	<0.0729	<0.0638	<0.0634	<0.139	<0.0109
Nitrobenzene		7.42	ca	32.4	ca	ns	<0.0410	<0.0426	<0.0423	<0.0370	<0.0368	<0.0804	NA
Pentachlorophenol		1.02	ca	3.97	ca	0.003	<0.0445	<0.0462	<0.0459	<0.0402	<0.0400	<0.0873	NA
Phenanthrene		ns	ns	ns	ns	ns	0.528	0.0510 J	<0.0267	<0.0234	0.0415 J	1.51	0.0451 J
Phenol		19,000	nc	100,000	ceiling	2.3	<0.0479	<0.0498	<0.0494	<0.0433	<0.0431	<0.0941	NA
Pyrene		1,790	nc	22,600	nc	55	0.312	0.0853 J	<0.0462	<0.0405	0.0562 J	1.59	0.0677
bis(2-Chloroethoxy)methane		190	nc	2,460	nc	ns	<0.0544	<0.0565	<0.0561	<0.0492	<0.0489	<0.107	NA
bis(2-Chloroethyl) ether		ns	ns	ns	ns	ns	<0.0631	<0.0655	<0.0650	<0.0570	<0.0566	<0.124	NA
bis(2-Ethylhexyl)phthalate		38.8	ca	164	ca	2.9	<0.0336	0.467	<0.0346	<0.0304	<0.0302	<0.0659	NA

Notes:

All units are milligrams per kilogram (mg/kg).

All depths are measured in feet below ground surface (ft bgs).

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds a soil to groundwater residual contaminant level (RCL).

Shaded Value exceeds an industrial direct contact RCL.

Shaded Value exceeds a non-industrial direct contact RCL.

Soil sample collected below the water table.

NA Not analyzed.

ca Carcinogen.

Csat Saturation concentration.

GW Groundwater.

nc Non-carcinogen.

ns No established standard.

Table A-4

Soil Sample Analytical Results - Metals, 910 Mayer Avenue, Madison, Wisconsin.

Parameter Sample ID (Depth) Sample Date (Depth to Groundwater)	Background Threshold Value	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)						
		RCL	Basis	RCL	Basis		SB-1 (1-1.5') 7/31/17 (6')	SB-2 (1-1.5') 7/31/17 (6')	SB-3 (8-10') 7/31/17 (6.45')	SB-4 (3-4') 7/31/17 (4.86')	SB-5 (4-5') 7/31/17 (4.44')	SB-6 (3-4') 7/31/17 (5.4')	SB-7 (10-12') 8/1/17 (12')
Arsenic, Inorganic	8	0.677	ca	3	ca	0.584	NA	NA	NA	NA	NA	NA	NA
Barium	364	15,300	nc	100,000	ceiling	164.8	NA	NA	NA	NA	NA	NA	NA
Cadmium (diet)	1	71.1	nc	985	nc	0.752	NA	NA	NA	NA	NA	NA	NA
Chromium, Total*	44	ns	ns	ns	ns	360,000	NA	NA	NA	NA	NA	NA	NA
Lead and compounds	52	400	ns	800	ns	27	9.2	37.6	12.1	14.0	4.1	5.6	10.3
Mercury (elemental)	ns	3.13	Csat	3	Csat	0.208	NA	NA	NA	NA	NA	NA	NA
Selenium	ns	391	nc	5,840	nc	0.52	NA	NA	NA	NA	NA	NA	NA
Silver	ns	391	nc	5,840	nc	0.8491	NA	NA	NA	NA	NA	NA	NA

Notes:

All units are milligrams per kilogram (mg/kg).

All depths are measured in feet below ground surface (ft bgs).

* Chromium soil to groundwater RCL is applicable if no chromium VI present.

Bold Value exceeds laboratory detection limit (DL).

Italic Value exceeds a soil to groundwater residual contaminant level (RCL).

Shaded Value exceeds an industrial direct contact RCL.

Shaded Value exceeds a non-industrial direct contact RCL.

Soil sample collected below the water table.

NA Not analyzed.

ca Carcinogen.

Csat Saturation concentration.

GW Groundwater.

nc Non-carcinogen.

ns No established standard.

Table A-4

Soil Sample Analytical Results - Metals, 910 Mayer Avenue, Madison, Wisconsin.

Parameter Sample ID (Depth) Sample Date (Depth to Groundwater)	Background Threshold Value	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)						
		RCL	Basis	RCL	Basis		SB-8 (10-12') 8/1/17 (5.13')	SB-9 (4-5') 8/1/17 (4.75')	SB-11 (4-5') 7/31/17 (4.41')	SB-12 (1-1.5') 8/1/17 (4.35')	SB-13 (1.5-2') 7/28/17 (3.45')	SB-14 (3-4') 7/28/17 (4.18')	SB-15 (5-7') 7/28/17 (2.97')
Arsenic, Inorganic	8	0.677	ca	3	ca	0.584	NA	NA	NA	6.4	NA	13.5	3.6 J
Barium	364	15,300	nc	100,000	ceiling	164.8	NA	NA	NA	161	NA	46.7	73.2
Cadmium (diet)	1	71.1	nc	985	nc	0.752	NA	NA	NA	0.43 J	NA	0.68 J	<0.33
Chromium, Total*	44	ns	ns	ns	ns	360,000	NA	NA	NA	22.0	NA	47.1	9.7
Lead and compounds	52	400	ns	800	ns	27	11.0	6.5	24.0	27.5	16.0	25.9	10.0
Mercury (elemental)	ns	3.13	Csat	3	Csat	0.208	NA	NA	NA	0.025 J	NA	0.029 J	<0.025
Selenium	ns	391	nc	5,840	nc	0.52	NA	NA	NA	<1.2	NA	<1.7	<2.7
Silver	ns	391	nc	5,840	nc	0.8491	NA	NA	NA	<0.38	NA	<0.51	<0.84

Notes:

All units are milligrams per kilogram (mg/kg).

All depths are measured in feet below ground surface (ft bgs).

* Chromium soil to groundwater RCL is applicable if no chromium VI present.

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds a soil to groundwater residual contaminant level (RCL).

Shaded Value exceeds an industrial direct contact RCL.

Shaded Value exceeds a non-industrial direct contact RCL.

Soil sample collected below the water table.

NA Not analyzed.

ca Carcinogen.

Csat Saturation concentration.

GW Groundwater.

nc Non-carcinogen.

ns No established standard.

Table A-4

Soil Sample Analytical Results - Metals, 910 Mayer Avenue, Madison, Wisconsin.

Parameter Sample ID (Depth) Sample Date (Depth to Groundwater)	Background Threshold Value	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)						
		RCL	Basis	RCL	Basis		SB-16 (2-2.5') 8/2/17	SB-17 (4-5') 8/2/17 (7.17')	SB-18 (4-5') 7/28/17 (6.28')	SB-19 (1.5-2') 7/31/17 (2.88')	SB-20 (3-4') 7/31/17 (4.99')	SB-21 (3-3.5') 7/31/17 (6.54')	SB-22 (4-5') 7/31/17 (6.53')
Arsenic, Inorganic	8	0.677	ca	3	ca	0.584	6.1	2.5 J	NA	3.8 J	6.8	18.1	NA
Barium	364	15,300	nc	100,000	ceiling	164.8	16.5	9.6	NA	72.2	35.9	108	NA
Cadmium (diet)	1	71.1	nc	985	nc	0.752	0.36 J	<0.14	NA	1.8	0.15 J	0.88 J	NA
Chromium, Total*	44	ns	ns	ns	ns	360,000	5.9	3.9	NA	20.8	12.3	12.2	NA
Lead and compounds	52	400	ns	800	ns	27	15.8	10.3	608	47.9	6.6	27.5	7.0
Mercury (elemental)	ns	3.13	Csat	3	Csat	0.208	0.019 J	<0.011	NA	0.063	<0.012	0.067	NA
Selenium	ns	391	nc	5,840	nc	0.52	<1.2	<1.2	NA	<1.3	<1.1	<1.2	NA
Silver	ns	391	nc	5,840	nc	0.8491	<0.39	<0.37	NA	<0.40	<0.35	0.47 J	NA

Notes:

All units are milligrams per kilogram (mg/kg).

All depths are measured in feet below ground surface (ft bgs).

* Chromium soil to groundwater RCL is applicable if no chromium VI present.

Bold Value exceeds laboratory detection limit (DL).

Italic Value exceeds a soil to groundwater residual contaminant level (RCL).

Shaded Value exceeds an industrial direct contact RCL.

Shaded Value exceeds a non-industrial direct contact RCL.

Soil sample collected below the water table.

NA Not analyzed.

ca Carcinogen.

Csat Saturation concentration.

GW Groundwater.

nc Non-carcinogen.

ns No established standard.

Table A-4

Soil Sample Analytical Results - Metals, 910 Mayer Avenue, Madison, Wisconsin.

Parameter Sample ID (Depth) Sample Date (Depth to Groundwater)	Background Threshold Value	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)						
		RCL	Basis	RCL	Basis		SB-23 (2-2.5') 7/31/17 (4.08')	SB-24 (3-4') 7/31/17 (8.11')	SB-25 (3-4') 7/31/17 (2.97')	SB-29 (2-2.5') 7/28/17 (3.21')	SB-33 (2.5-3') 7/28/17 (3.74')	SB-35 (3.5-4.5') 7/27/17 (2.6')	SB-38 (8-10') 7/27/17 (6.5')
Arsenic, Inorganic	8	0.677	ca	3	ca	0.584	3.1 J	6.8	10.6 J	20.7 J	1.4 J	13.0	2.8 J
Barium	364	15,300	nc	100,000	ceiling	164.8	25.1	67.5	55.2	299	19.1	90.4	8.2
Cadmium (diet)	1	71.1	nc	985	nc	0.752	0.84	0.33 J	<0.30	0.85 J	<0.15	0.79	<0.15
Chromium, Total*	44	ns	ns	ns	ns	360,000	10.5	17.5	12.4	20.5	8.8	19.0	4.3
Lead and compounds	52	400	ns	800	ns	27	14.9	33.2	181	242	4.5	18.1	2.6
Mercury (elemental)	ns	3.13	Csat	3	Csat	0.208	0.033 J	0.022 J	0.018 J	0.16	<0.013	0.080	<0.012
Selenium	ns	391	nc	5,840	nc	0.52	<1.1	<1.2	<1.2	<1.3	<1.3	<1.7	<1.3
Silver	ns	391	nc	5,840	nc	0.8491	<0.35	<0.39	0.40 J	0.69 J	<0.40	1.2 J	<0.39

Notes:

All units are milligrams per kilogram (mg/kg).

All depths are measured in feet below ground surface (ft bgs).

* Chromium soil to groundwater RCL is applicable if no chromium VI present.

Bold Value exceeds laboratory detection limit (DL).

Italic Value exceeds a soil to groundwater residual contaminant level (RCL).

Shaded Value exceeds an industrial direct contact RCL.

Shaded Value exceeds a non-industrial direct contact RCL.

Soil sample collected below the water table.

NA Not analyzed.

ca Carcinogen.

Csat Saturation concentration.

GW Groundwater.

nc Non-carcinogen.

ns No established standard.

Table A-4

Soil Sample Analytical Results - Metals, 910 Mayer Avenue, Madison, Wisconsin.

Parameter Sample ID (Depth) Sample Date (Depth to Groundwater)	Background Threshold Value	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)						
		RCL	Basis	RCL	Basis		SB-39 (3-4') 8/1/17 (1.5')	SB-40 (4-5') 8/1/17 (8.5')	SB-41 (1-1.5) 8/1/17 (4.43')	SB-42 (1-2') 7/31/17 (12.79')	SB-43 (3-4') 8/1/17 (6.25')	SB-44 (2-3') 8/1/17 (5.28')	SB-45 (2-3') 8/1/17 (3.86')
Arsenic, Inorganic	8	0.677	ca	3	ca	0.584	14.4	4.9 J	3.8 J	NA	NA	NA	2.7 J
Barium	364	15,300	nc	100,000	ceiling	164.8	244	113	109	NA	NA	NA	32.9
Cadmium (diet)	1	71.1	nc	985	nc	0.752	1.5	1.2	0.39 J	NA	NA	NA	<0.14
Chromium, Total*	44	ns	ns	ns	ns	360,000	39.7	21.2	14.8	NA	NA	NA	7.7
Lead and compounds	52	400	ns	800	ns	27	231	48.8	24.7	32.0	10.0	29.9	6.9
Mercury (elemental)	ns	3.13	Csat	3	Csat	0.208	3.6	0.13	0.022 J	NA	NA	NA	<0.011
Selenium	ns	391	nc	5,840	nc	0.52	<1.6	1.9 J	1.3 J	NA	NA	NA	<1.1
Silver	ns	391	nc	5,840	nc	0.8491	9.8	<0.56	<0.41	NA	NA	NA	<0.35

Notes:

All units are milligrams per kilogram (mg/kg).

All depths are measured in feet below ground surface (ft bgs).

* Chromium soil to groundwater RCL is applicable if no chromium VI present.

Bold Value exceeds laboratory detection limit (DL).

Italic Value exceeds a soil to groundwater residual contaminant level (RCL).

Shaded Value exceeds an industrial direct contact RCL.

Shaded Value exceeds a non-industrial direct contact RCL.

Soil sample collected below the water table.

NA Not analyzed.

ca Carcinogen.

Csat Saturation concentration.

GW Groundwater.

nc Non-carcinogen.

ns No established standard.

Table A-4

Soil Sample Analytical Results - Metals, 910 Mayer Avenue, Madison, Wisconsin.

Parameter Sample ID (Depth) Sample Date (Depth to Groundwater)	Background Threshold Value	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)						
		RCL	Basis	RCL	Basis		SB-46 (4-5') 8/1/17 (4.11')	SB-47 (2-2.5') 8/1/17 (4.02')	SB-48 (1-2') 8/1/17 (6.37')	SB-49 (5-7') 8/2/17 (4.96')	SB-50 (1-2') 8/2/17 (5.04')	SB-51 (1-1.5') 8/2/17 (4.86')	SB-52 (4-5') 7/28/17 (7.62')
Arsenic, Inorganic	8	0.677	ca	3	ca	0.584	2.7 J	7.4	6.0	2.5 J	2.1 J	5.5 J	NA
Barium	364	15,300	nc	100,000	ceiling	164.8	48.7	4,200	172	48.5	24.6	103	NA
Cadmium (diet)	1	71.1	nc	985	nc	0.752	0.20 J	0.64	<0.15	<0.14	<0.14	1.2	NA
Chromium, Total*	44	ns	ns	ns	ns	360,000	8.1	15.3	23.1	10.2	13.5	18.4	NA
Lead and compounds	52	400	ns	800	ns	27	29.7	93.2	11.0	3.5	5.6	45.7	2.6
Mercury (elemental)	ns	3.13	Csat	3	Csat	0.208	0.019 J	0.044 J	0.029 J	<0.012	<0.012	0.035 J	NA
Selenium	ns	391	nc	5,840	nc	0.52	<1.3	<1.2	<1.3	<1.1	<1.2	<1.2	NA
Silver	ns	391	nc	5,840	nc	0.8491	<0.42	<0.38	<0.39	<0.35	<0.37	<0.38	NA

Notes:

All units are milligrams per kilogram (mg/kg).

All depths are measured in feet below ground surface (ft bgs).

* Chromium soil to groundwater RCL is applicable if no chromium VI present.

Bold Value exceeds laboratory detection limit (DL).

Italic Value exceeds a soil to groundwater residual contaminant level (RCL).

Shaded Value exceeds an industrial direct contact RCL.

Shaded Value exceeds a non-industrial direct contact RCL.

Soil sample collected below the water table.

NA Not analyzed.

ca Carcinogen.

Csat Saturation concentration.

GW Groundwater.

nc Non-carcinogen.

ns No established standard.

Table A-5
Soil Sample Analytical Results - PCBs, 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)								
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-12 (1-1.5') 8/2/17 (4.35')	SB-14 (3-4') 7/28/17 (4.18')	SB-15 (5-7') 7/28/17 (2.97')	SB-16 (2-2.5') 8/2/17	SB-17 (4-5') 8/2/17 (7.17')	SB-19 (1.5-2') 7/31/17 (2.88')	SB-20 (3-4') 7/31/17 (4.99')	SB-21 (3-3.5') 7/31/17 (6.54')
PCB, Total		0.234	ca	0.967	ca	NS	<0.0296	<0.0382	<0.0621	<0.300	<0.0267	<0.0294	<0.0281	<0.0280
PCB-1016 (Aroclor 1016)		4.11	nc	28	ca	NS	<0.0296	<0.0382	<0.0621	<0.300	<0.0267	<0.0294	<0.0281	<0.0280
PCB-1221 (Aroclor 1221)		0.213	ca	0.883	ca	NS	<0.0296	<0.0382	<0.0621	<0.300	<0.0267	<0.0294	<0.0281	<0.0280
PCB-1232 (Aroclor 1232)		0.190	ca	0.792	ca	NS	<0.0296	<0.0382	<0.0621	<0.300	<0.0267	<0.0294	<0.0281	<0.0280
PCB-1242 (Aroclor 1242)		0.235	ca	0.972	ca	NS	<0.0296	<0.0382	<0.0621	<0.300	<0.0267	<0.0294	<0.0281	<0.0280
PCB-1248 (Aroclor 1248)		0.236	ca	0.975	ca	NS	<0.0296	<0.0382	<0.0621	<0.300	<0.0267	<0.0294	<0.0281	<0.0280
PCB-1254 (Aroclor 1254)		0.239	ca	0.988	ca	NS	<0.0296	<0.0382	<0.0621	<0.300	<0.0267	<0.0294	<0.0281	<0.0280
PCB-1260 (Aroclor 1260)		0.243	ca	1	ca	NS	<0.0296	<0.0382	<0.0621	<0.300	<0.0267	<0.0294	<0.0281	<0.0280

Notes:

All units are milligrams per kilogram (mg/kg).

All depths are measured in feet below ground surface (ft bgs).

PCBs analyzed by USEPA Method 8082.

Bold Value exceeds laboratory detection limit (DL).

Italic Value exceeds a soil to groundwater residual contaminant level (RCL).

Shaded Value exceeds an industrial direct contact RCL.

Shaded Value exceeds a non-industrial direct contact RCL.

Shaded Soil sample collected below the water table.

NA Not analyzed.

ca Carcinogen.

Csat Saturation concentration.

GW Groundwater.

nc Non-carcinogen.

ns No established standard.

Table A-5
Soil Sample Analytical Results - PCBs, 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)							
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-23 (2-2.5') 7/31/17 (4.08')	SB-24 (3-4') 7/31/17 (8.11')	SB-25 (3-4') 7/31/17 (2.97')	SB-29 (2-2.5') 7/28/17 (3.21')	SB-33 (2.5-3') 7/28/17 (3.74')	SB-35 (3.5-4.5') 7/27/17 (2.6')	SB-38 (8-10') 7/27/17 (6.5')
PCB, Total	0.234	ca	0.967	ca	NS	<0.0271	<0.0281	<0.0309	<0.0316	<0.0306	<0.0401	0.0451 J	<0.0377
PCB-1016 (Aroclor 1016)	4.11	nc	28	ca	NS	<0.0271	<0.0281	<0.0309	<0.0316	<0.0306	<0.0401	<0.0286	<0.0377
PCB-1221 (Aroclor 1221)	0.213	ca	0.883	ca	NS	<0.0271	<0.0281	<0.0309	<0.0316	<0.0306	<0.0401	<0.0286	<0.0377
PCB-1232 (Aroclor 1232)	0.190	ca	0.792	ca	NS	<0.0271	<0.0281	<0.0309	<0.0316	<0.0306	<0.0401	<0.0286	<0.0377
PCB-1242 (Aroclor 1242)	0.235	ca	0.972	ca	NS	<0.0271	<0.0281	<0.0309	<0.0316	<0.0306	<0.0401	0.0451 J	<0.0377
PCB-1248 (Aroclor 1248)	0.236	ca	0.975	ca	NS	<0.0271	<0.0281	<0.0309	<0.0316	<0.0306	<0.0401	<0.0286	<0.0377
PCB-1254 (Aroclor 1254)	0.239	ca	0.988	ca	NS	<0.0271	<0.0281	<0.0309	<0.0316	<0.0306	<0.0401	<0.0286	<0.0377
PCB-1260 (Aroclor 1260)	0.243	ca	1	ca	NS	<0.0271	<0.0281	<0.0309	<0.0316	<0.0306	<0.0401	<0.0286	<0.0377

Notes:

All units are milligrams per kilogram (mg/kg).

All depths are measured in feet below ground surface (ft bgs).

PCBs analyzed by USEPA Method 8082.

Bold Value exceeds laboratory detection limit (DL).

Italic Value exceeds a soil to groundwater residual contaminant level (RCL).

Shaded Value exceeds an industrial direct contact RCL.

Shaded Value exceeds a non-industrial direct contact RCL.

Soil sample collected below the water table.

NA Not analyzed.

ca Carcinogen.

Csat Saturation concentration.

GW Groundwater.

nc Non-carcinogen.

ns No established standard.

Table A-5

Soil Sample Analytical Results - PCBs, 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)								
	Sample ID (Depth) Sample Date (Depth to Groundwater)	RCL	Basis	RCL		Basis	SB-40 (4-5') 8/1/17 (8.5')	SB-41 (1-1.5) 8/1/17 (4.43')	SB-45 (2-3') 8/1/17 (3.86')	SB-46 (4-5') 8/1/17 (4.11')	SB-47 (2-2.5') 8/1/17 (4.02')	SB-48 (1-2') 8/1/17 (6.37')	SB-49 (5-7') 8/2/17 (4.96')	SB-50 (1-2') 8/2/17 (5.04')
PCB, Total		0.234	ca	0.967	ca	NS	<0.0409	<0.0322	<0.0276	<0.0303	<0.0314	<0.0312	<0.0273	<0.0272
PCB-1016 (Aroclor 1016)		4.11	nc	28	ca	NS	<0.0409	<0.0322	<0.0276	<0.0303	<0.0314	<0.0312	<0.0273	<0.0272
PCB-1221 (Aroclor 1221)		0.213	ca	0.883	ca	NS	<0.0409	<0.0322	<0.0276	<0.0303	<0.0314	<0.0312	<0.0273	<0.0272
PCB-1232 (Aroclor 1232)		0.190	ca	0.792	ca	NS	<0.0409	<0.0322	<0.0276	<0.0303	<0.0314	<0.0312	<0.0273	<0.0272
PCB-1242 (Aroclor 1242)		0.235	ca	0.972	ca	NS	<0.0409	<0.0322	<0.0276	<0.0303	<0.0314	<0.0312	<0.0273	<0.0272
PCB-1248 (Aroclor 1248)		0.236	ca	0.975	ca	NS	<0.0409	<0.0322	<0.0276	<0.0303	<0.0314	<0.0312	<0.0273	<0.0272
PCB-1254 (Aroclor 1254)		0.239	ca	0.988	ca	NS	<0.0409	<0.0322	<0.0276	<0.0303	<0.0314	<0.0312	<0.0273	<0.0272
PCB-1260 (Aroclor 1260)		0.243	ca	1	ca	NS	<0.0409	<0.0322	<0.0276	<0.0303	<0.0314	<0.0312	<0.0273	<0.0272

Notes:

All units are milligrams per kilogram (mg/kg).

All depths are measured in feet below ground surface (ft bgs).

PCBs analyzed by USEPA Method 8082.

Bold Value exceeds laboratory detection limit (DL).

Italic Value exceeds a soil to groundwater residual contaminant level (RCL).

Shaded Value exceeds an industrial direct contact RCL.

Shaded Value exceeds a non-industrial direct contact RCL.

Soil sample collected below the water table.

NA Not analyzed.

ca Carcinogen.

Csat Saturation concentration.

GW Groundwater.

nc Non-carcinogen.

ns No established standard.

Table A-5

Soil Sample Analytical Results - PCBs, 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Non-Industrial Direct Contact		Industrial Direct Contact		Soil-to-GW RCL	Soil Sample Results (mg/kg)
	RCL	Basis	RCL	Basis		SB-51 (1-1.5') 8/2/17 (4.86')
PCB, Total	0.234	ca	0.967	ca	NS	<0.0297
PCB-1016 (Aroclor 1016)	4.11	nc	28	ca	NS	<0.0297
PCB-1221 (Aroclor 1221)	0.213	ca	0.883	ca	NS	<0.0297
PCB-1232 (Aroclor 1232)	0.190	ca	0.792	ca	NS	<0.0297
PCB-1242 (Aroclor 1242)	0.235	ca	0.972	ca	NS	<0.0297
PCB-1248 (Aroclor 1248)	0.236	ca	0.975	ca	NS	<0.0297
PCB-1254 (Aroclor 1254)	0.239	ca	0.988	ca	NS	<0.0297
PCB-1260 (Aroclor 1260)	0.243	ca	1	ca	NS	<0.0297

Notes:

All units are milligrams per kilogram (mg/kg).

All depths are measured in feet below ground surface (ft bgs).

PCBs analyzed by USEPA Method 8082.

Bold Value exceeds laboratory detection limit (DL).

Italic Value exceeds a soil to groundwater residual contaminant level (RCL).

Shaded Value exceeds an industrial direct contact RCL.

Shaded Value exceeds a non-industrial direct contact RCL.

Shaded Soil sample collected below the water table.

NA Not analyzed.

ca Carcinogen.

Csat Saturation concentration.

GW Groundwater.

nc Non-carcinogen.

ns No established standard.

Table A-6

Temporary Well Groundwater Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-3	SB-4	SB-5	SB-8	SB-9	SB-10	SB-11	SB-12	SB-13	SB-14
				3-13'	7-12'	3-8'	5-15'	3-13'	3-8'	3-8'	3-8'	3-8'	3-8'
				07/31/17	07/31/17	07/31/17	08/01/17	08/02/17	07/28/17	07/31/17	08/02/17	07/28/17	07/28/17
1,1,1,2-Tetrachloroethane		7	70	<0.90	<0.18	<1.8	<9.0	<0.18	<0.18	<45.1	<0.18	<0.18	<0.18
1,1,1-Trichloroethane		40	200	<2.5	<0.50	<5.0	<25.0	<0.50	<0.50	<125	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane		0.02	0.2	<1.2	<0.25	<2.5	<12.5	<0.25	<0.25	<62.3	<0.25	<0.25	<0.25
1,1,2-Trichloroethane		0.5	5	<0.99	<0.20	<2.0	<9.9	<0.20	<0.20	<49.3	<0.20	<0.20	<0.20
1,1-Dichloroethane		85	850	<1.2	<0.24	<2.4	<12.1	<0.24	<0.24	<60.4	<0.24	<0.24	<0.24
1,1-Dichloroethene		0.7	7	<2.1	<0.41	<4.1	<20.5	<0.41	<0.41	<103	<0.41	<0.41	<0.41
1,1-Dichloropropene		NS	NS	<2.2	<0.44	<4.4	<22.1	<0.44	<0.44	<110	<0.44	<0.44	<0.44
1,2,3-Trichlorobenzene		NS	NS	<10.7	<2.1	<21.3	<107	<2.1	<2.1	<533	<2.1	<2.1	<2.1
1,2,3-Trichloropropane		12	60	<2.5	<0.50	<5.0	<25.0	<0.50	<0.50	<125	<0.50	<0.50	<0.50
1,2,4-Trichlorobenzene		14	70	<11.0	<2.2	<22.1	<110	<2.2	<2.2	<552	<2.2	<2.2	<2.2
1,2,4-Trimethylbenzene		96	480	440	<0.50	65.5	1,120	2.3	<0.50	1,620	<0.50	<0.50	<0.50
1,2-Dibromo-3-chloropropane (DBCP)		0.02	0.2	<10.8	<2.2	<21.6	<108	<2.2	<2.2	<541	<2.2	<2.2	<2.2
1,2-Dibromoethane (EDB)		0.005	0.05	<0.89	<0.18	<1.8	<8.9	<0.18	<0.18	<44.4	<0.18	<0.18	<0.18
1,2-Dichlorobenzene		60	600	<2.5	<0.50	<5.0	<25.0	1.0	<0.50	<125	<0.50	<0.50	<0.50
1,2-Dichloroethane		0.5	5	<0.84	<0.17	<1.7	<8.4	<0.17	<0.17	<42.0	<0.17	6.1	5.4
1,2-Dichloropropane		0.5	5	<1.2	<0.23	<2.3	<11.7	<0.23	<0.23	<58.3	<0.23	<0.23	<0.23
1,3,5-Trimethylbenzene		96	480	150	<0.50	126	291	8.9	<0.50	485	<0.50	<0.50	<0.50
1,3-Dichlorobenzene		120	600	<2.5	<0.50	<5.0	<25.0	<0.50	<0.50	<125	<0.50	<0.50	<0.50
1,3-Dichloropropane		NS	NS	<2.5	<0.50	<5.0	<25.0	<0.50	<0.50	<125	<0.50	<0.50	<0.50
1,4-Dichlorobenzene		15	75	<2.5	<0.50	<5.0	<25.0	<0.50	<0.50	<125	<0.50	<0.50	<0.50
2,2-Dichloropropane		NS	NS	<2.4	<0.48	<4.8	<24.2	<0.48	<0.48	<121	<0.48	<0.48	<0.48
2-Butanone (MEK)		800	4,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene		NS	NS	<2.5	<0.50	<5.0	<25.0	<0.50	<0.50	<125	<0.50	<0.50	<0.50
2-Hexanone		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene		NS	NS	<1.1	<0.21	<2.1	<10.7	<0.21	<0.21	<53.4	<0.21	<0.21	<0.21
4-Methyl-2-pentanone (MIBK)		50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone		1,800	9,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene		0.5	5	197	<0.50	<5.0	28.2 J	51.9	<0.50	1,770	<0.50	<0.50	0.56 J
Bromobenzene		NS	NS	<1.2	<0.23	<2.3	<11.5	<0.23	<0.23	<57.5	<0.23	<0.23	<0.23
Bromochloromethane		NS	NS	<1.7	<0.34	<3.4	<17.0	<0.34	<0.34	<85.1	<0.34	<0.34	<0.34
Bromodichloromethane		0.06	0.6	<2.5	<0.50	<5.0	<25.0	<0.50	<0.50	<125	<0.50	<0.50	<0.50
Bromoform		0.44	4.4	<2.5	<0.50	<5.0	<25.0	<0.50	<0.50	<125	<0.50	<0.50	<0.50
Bromomethane		1	10	<12.2	<2.4	<24.3	<122	<2.4	<2.4	<609	<2.4	<2.4	<2.4
Carbon tetrachloride		0.5	5	<2.5	<0.50	<5.0	<25.0	<0.50	<0.50	<125	<0.50	<0.50	<0.50
Chlorobenzene		NS	NS	<2.5	<0.50	<5.0	<25.0	<0.50	<0.50	<125	<0.50	<0.50	<0.50
Chloroethane		80	400	<1.9	<0.37	<3.7	<18.7	<0.37	<0.37	<93.6	<0.37	<0.37	1.4
Chloroform		0.6	6	<12.5	<2.5	<25.0	<125	<2.5	<2.5	<625	<2.5	<2.5	<2.5
Chloromethane		3	30	<2.5	<0.50	<5.0	<25.0	<0.50	<0.50	<125	<0.50	<0.50	<0.50
Dibromochloromethane		6	60	<2.5	<0.50	<5.0	<25.0	<0.50	<0.50	<125	<0.50	<0.50	<0.50
Dibromomethane		NS	NS	<2.1	<0.43	<4.3	<21.3	<0.43	<0.43	<107	<0.43	<0.43	<0.43
Dichlorodifluoromethane		200	1,000	<1.1	<0.22	<2.2	<11.2	<0.22	<0.22	<56.0	<0.22	<0.22	<0.22
Diisopropyl ether		NS	NS	<2.5	<0.50	<5.0	<25.0	<0.50	<0.50	<125	<0.50	<0.50	7.7
Ethylbenzene		140	700	357	<0.50	23.8	2,250	2.5	<0.50	2,700	<0.50	<0.50	<0.50
Hexachloro-1,3-butadiene		NS	NS	<10.5	<2.1	<21.1	<105	<2.1	<2.1	<526	<2.1	<2.1	<2.1
Isopropylbenzene (Cumene)		NS	NS	61.2	<0.14	41.5	89.6	7.8	<0.14	75.8 J	<0.14	<0.14	<0.14
Methyl tert-butyl ether (MTBE)		12	60	<0.87	<0.17	<1.7	<8.7	<0.17	<0.17	<43.6	<0.17	<0.17	<0.17

Table A-6

Temporary Well Groundwater Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-3	SB-4	SB-5	SB-8	SB-9	SB-10	SB-11	SB-12	SB-13	SB-14
				3-13'	7-12'	3-8'	5-15'	3-13'	3-8'	3-8'	3-8'	3-8'	3-8'
				07/31/17	07/31/17	07/31/17	08/01/17	08/02/17	07/28/17	07/31/17	08/02/17	07/28/17	07/28/17
Methylene Chloride		0.5	5	<1.2	<0.23	<2.3	<11.6	<0.23	<0.23	<58.1	<0.23	<0.23	<0.23
Naphthalene		10	100	780	<2.5	191	173 J	45.2	<2.5	<625	<2.5	<2.5	48.6
Styrene		10	100	<2.5	<0.50	<5.0	<25.0	<0.50	<0.50	<125	<0.50	<0.50	<0.50
Tetrachloroethene		0.5	5	<2.5	<0.50	<5.0	<25.0	<0.50	<0.50	<125	<0.50	<0.50	<0.50
Toluene		160	800	54.0	<0.50	<5.0	<25.0	2.8	<0.50	12,900	<0.50	<0.50	0.73 J
Trichloroethene		0.5	5	<1.7	<0.33	<3.3	<16.5	<0.33	<0.33	<82.7	<0.33	<0.33	<0.33
Trichlorofluoromethane		NS	NS	<0.92	<0.18	<1.8	<9.2	<0.18	<0.18	<46.2	<0.18	<0.18	<0.18
Vinyl chloride		0.02	0.2	<0.88	<0.18	<1.8	<8.8	<0.18	<0.18	<43.9	<0.18	<0.18	0.94 J
1,2-Dichloroethene (cis)		7	70	<1.3	<0.26	<2.6	<12.8	<0.26	<0.26	<64.0	<0.26	<0.26	<0.26
1,3-Dichloropropene (cis)		0.04	0.4	<2.5	<0.50	<5.0	<25.0	<0.50	<0.50	<125	<0.50	<0.50	<0.50
m&p-Xylene*		400	2,000	1,150	<1.0	12.0 J	3,920	3.9	<1.0	9,460	<1.0	<1.0	<1.0
n-Butylbenzene		NS	NS	81.4	<0.50	69.7	<25.0	7.5	<0.50	<125	<0.50	<0.50	<0.50
n-Propylbenzene		NS	NS	167	<0.50	112	190	15.3	<0.50	229 J	<0.50	<0.50	<0.50
o-Xylene*		400	2,000	181	<0.50	<5.0	83.1	4.9	<0.50	4,610	<0.50	<0.50	<0.50
p-Isopropyltoluene		NS	NS	<2.5	<0.50	<5.0	<25.0	3.2	<0.50	<125	<0.50	<0.50	<0.50
sec-Butylbenzene		NS	NS	20.9 J	<2.2	47.5 J	<109	6.9	<2.2	<547	<2.2	<2.2	<2.2
tert-Butylbenzene		NS	NS	<0.90	<0.18	4.5 J	<9.0	1.1	<0.18	<45.1	<0.18	<0.18	<0.18
1,2-Dichloroethene (trans)		20	100	<1.3	<0.26	<2.6	<12.8	<0.26	<0.26	<64.1	<0.26	<0.26	0.40 J
1,3-Dichloropropene (trans)		0.04	0.4	<1.1	<0.23	<2.3	<11.5	<0.23	<0.23	<57.4	<0.23	<0.23	<0.23

Notes:

All units are micrograms per liter (µg/l).

All depths are measured in feet below ground surface (ft bgs).

VOCs analyzed by USEPA Method 8260.

* Xylene standard is for total xylene concentrations.

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit (PAL).**Shaded** Value exceeds Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (ES).

NS No established standard.

NA Not analyzed.

Table A-6

Temporary Well Groundwater Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-15S	SB-15D	SB-17	SB-18	SB-19	SB-20	SB-21	SB-22	SB-23	SB-24
				3-8'	15-20'	5-15'	5-15'	3-8'	7-12'	5-15'	6-16'	11-16'	6-16'
				07/28/17	09/11/17	08/02/17	07/28/17	07/31/17	07/31/17	07/31/17	07/31/17	07/31/17	08/01/17
1,1,1,2-Tetrachloroethane		7	70	<3.6	NA	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,1,1-Trichloroethane		40	200	<10.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane		0.02	0.2	<5.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,1,2-Trichloroethane		0.5	5	12.8 J	0.42 J	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane		85	850	<4.8	0.26 J	<0.24	<0.24	<0.24	<0.24	<0.24	0.43 J	<0.24	<0.24
1,1-Dichloroethene		0.7	7	<8.2	2.0	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,1-Dichloropropene		NS	NS	<8.8	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
1,2,3-Trichlorobenzene		NS	NS	<42.7	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
1,2,3-Trichloropropane		12	60	<10.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2,4-Trichlorobenzene		14	70	<44.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
1,2,4-Trimethylbenzene		96	480	<10.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dibromo-3-chloropropane (DBCP)		0.02	0.2	<43.3	<0.18	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
1,2-Dibromoethane (EDB)		0.005	0.05	<3.6	NA	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,2-Dichlorobenzene		60	600	<10.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dichloroethane		0.5	5	1,630	11.9	<0.17	1.4	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
1,2-Dichloropropane		0.5	5	<4.7	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
1,3,5-Trimethylbenzene		96	480	<10.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene		120	600	<10.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichloropropane		NS	NS	<10.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene		15	75	<10.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,2-Dichloropropane		NS	NS	<9.7	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
2-Butanone (MEK)		800	4,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene		NS	NS	<10.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2-Hexanone		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene		NS	NS	<4.3	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
4-Methyl-2-pentanone (MIBK)		50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone		1,800	9,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene		0.5	5	<10.0	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromobenzene		NS	NS	<4.6	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
Bromochloromethane		NS	NS	<6.8	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
Bromodichloromethane		0.06	0.6	<10.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromoform		0.44	4.4	<10.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromomethane		1	10	<48.7	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4
Carbon tetrachloride		0.5	5	<10.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chlorobenzene		NS	NS	<10.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chloroethane		80	400	<7.5	1.1	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Chloroform		0.6	6	<50.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Chloromethane		3	30	<10.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibromochloromethane		6	60	<10.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibromomethane		NS	NS	<8.5	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Dichlorodifluoromethane		200	1,000	<4.5	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
Diisopropyl ether		NS	NS	<10.0	8.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene		140	700	<10.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Hexachloro-1,3-butadiene		NS	NS	<42.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
Isopropylbenzene (Cumene)		NS	NS	<2.9	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Methyl tert-butyl ether (MTBE)		12	60	<3.5	NA	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17

Table A-6

Temporary Well Groundwater Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-15S	SB-15D	SB-17	SB-18	SB-19	SB-20	SB-21	SB-22	SB-23	SB-24
				3-8' 07/28/17	15-20' 09/11/17	5-15' 08/02/17	5-15' 07/28/17	3-8' 07/31/17	7-12' 07/31/17	5-15 07/31/17	6-16' 07/31/17	11-16' 07/31/17	6-16' 08/01/17
Methylene Chloride		0.5	5	<4.7	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
Naphthalene		10	100	<50.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Styrene		10	100	<10.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethene		0.5	5	<10.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene		160	800	<10.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethene		0.5	5	<6.6	0.52 J	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Trichlorofluoromethane		NS	NS	<3.7	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	0.27 J
Vinyl chloride		0.02	0.2	17.7 J	146	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	0.91 J	<0.18
1,2-Dichloroethene (cis)		7	70	<5.1	<0.50	<0.26	<0.26	<0.26	<0.26	0.47 J	1.0	1.6	<0.26
1,3-Dichloropropene (cis)		0.04	0.4	<10.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
m&p-Xylene*		400	2,000	<20.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Butylbenzene		NS	NS	<10.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
n-Propylbenzene		NS	NS	<10.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
o-Xylene*		400	2,000	<10.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
p-Isopropyltoluene		NS	NS	<10.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
sec-Butylbenzene		NS	NS	<43.7	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
tert-Butylbenzene		NS	NS	<3.6	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,2-Dichloroethene (trans)		20	100	<5.1	1.4	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	0.34 J	<0.26
1,3-Dichloropropene (trans)		0.04	0.4	<4.6	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23

Notes:

All units are micrograms per liter (µg/l).

All depths are measured in feet below ground surface (ft bgs).

VOCs analyzed by USEPA Method 8260.

* Xylene standard is for total xylene concentrations.

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit (PAL).**Shaded** Value exceeds Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (ES).

NS No established standard.

NA Not analyzed.

Table A-6

Temporary Well Groundwater Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-25	SB-26	SB-27S	SB-27D	SB-28	SB-29	SB-30	SB-31S	SB-31D	SB-32
				10-20'	0-5'	5-10'	20-30'	11-16'	3-8'	15-20'	7-12'	25-30'	9.5-14.5'
				08/01/17	07/26/17	07/26/17	07/27/17	07/26/17	07/28/17	07/26/17	07/26/17	07/26/17	07/26/17
1,1,1,2-Tetrachloroethane		7	70	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,1,1-Trichloroethane		40	200	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane		0.02	0.2	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,1,2-Trichloroethane		0.5	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane		85	850	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,1-Dichloroethene		0.7	7	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,1-Dichloropropene		NS	NS	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
1,2,3-Trichlorobenzene		NS	NS	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
1,2,3-Trichloropropane		12	60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2,4-Trichlorobenzene		14	70	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
1,2,4-Trimethylbenzene		96	480	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	<0.50
1,2-Dibromo-3-chloropropane (DBCP)		0.02	0.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
1,2-Dibromoethane (EDB)		0.005	0.05	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,2-Dichlorobenzene		60	600	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.52 J	<0.50
1,2-Dichloroethane		0.5	5	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
1,2-Dichloropropane		0.5	5	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
1,3,5-Trimethylbenzene		96	480	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene		120	600	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichloropropane		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene		15	75	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,2-Dichloropropane		NS	NS	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
2-Butanone (MEK)		800	4,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2-Hexanone		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene		NS	NS	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
4-Methyl-2-pentanone (MIBK)		50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone		1,800	9,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene		0.5	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	6.9	<0.50
Bromobenzene		NS	NS	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
Bromochloromethane		NS	NS	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
Bromodichloromethane		0.06	0.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromoform		0.44	4.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromomethane		1	10	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4
Carbon tetrachloride		0.5	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chlorobenzene		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chloroethane		80	400	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Chloroform		0.6	6	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Chloromethane		3	30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibromochloromethane		6	60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibromomethane		NS	NS	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Dichlorodifluoromethane		200	1,000	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
Diisopropyl ether		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene		140	700	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	9.0	<0.50
Hexachloro-1,3-butadiene		NS	NS	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
Isopropylbenzene (Cumene)		NS	NS	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	1.8	<0.14
Methyl tert-butyl ether (MTBE)		12	60	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17

Table A-6

Temporary Well Groundwater Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-25	SB-26	SB-27S	SB-27D	SB-28	SB-29	SB-30	SB-31S	SB-31D	SB-32
				10-20'	0-5'	5-10'	20-30'	11-16'	3-8'	15-20'	7-12'	25-30'	9.5-14.5'
				08/01/17	07/26/17	07/26/17	07/27/17	07/26/17	07/28/17	07/26/17	07/26/17	07/26/17	07/26/17
Methylene Chloride		0.5	5	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
Naphthalene		10	100	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Styrene		10	100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethene		0.5	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene		160	800	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<0.50
Trichloroethene		0.5	5	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Trichlorofluoromethane		NS	NS	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Vinyl chloride		0.02	0.2	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,2-Dichloroethene (cis)		7	70	<0.26	<0.26	<0.26	3.7	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
1,3-Dichloropropene (cis)		0.04	0.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
m&p-Xylene*		400	2,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Butylbenzene		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
n-Propylbenzene		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	<0.50
o-Xylene*		400	2,000	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
p-Isopropyltoluene		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
sec-Butylbenzene		NS	NS	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
tert-Butylbenzene		NS	NS	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,2-Dichloroethene (trans)		20	100	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
1,3-Dichloropropene (trans)		0.04	0.4	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23

Notes:All units are micrograms per liter ($\mu\text{g/l}$).

All depths are measured in feet below ground surface (ft bgs).

VOCs analyzed by USEPA Method 8260.

* Xylene standard is for total xylene concentrations.

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit (PAL).**Shaded** Value exceeds Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (ES).

NS No established standard.

NA Not analyzed.

Table A-6

Temporary Well Groundwater Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-33	SB-34	SB-35	SB-36S	SB-36D	SB-37S	SB-37D	SB-38	SB-41	SB-42
				3-8' 07/28/17	7-12' 07/27/17	11-16' 07/27/17	3-8' 07/27/17	18-28' 07/27/17	5-10' 07/27/17	20-30' 07/27/17	7-12' 07/27/17	2-12' 08/02/17	6-16' 07/31/17
1,1,1,2-Tetrachloroethane		7	70	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,1,1-Trichloroethane		40	200	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane		0.02	0.2	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,1,2-Trichloroethane		0.5	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane		85	850	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,1-Dichloroethene		0.7	7	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,1-Dichloropropene		NS	NS	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
1,2,3-Trichlorobenzene		NS	NS	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
1,2,3-Trichloropropane		12	60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2,4-Trichlorobenzene		14	70	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
1,2,4-Trimethylbenzene		96	480	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dibromo-3-chloropropane (DBCP)		0.02	0.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
1,2-Dibromoethane (EDB)		0.005	0.05	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,2-Dichlorobenzene		60	600	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dichloroethane		0.5	5	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
1,2-Dichloropropane		0.5	5	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
1,3,5-Trimethylbenzene		96	480	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene		120	600	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichloropropane		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene		15	75	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,2-Dichloropropane		NS	NS	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
2-Butanone (MEK)		800	4,000	NA	<3.0	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2-Hexanone		NS	NS	NA	<1.1	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene		NS	NS	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
4-Methyl-2-pentanone (MIBK)		50	500	NA	<2.1	NA	NA	NA	NA	NA	NA	NA	NA
Acetone		1,800	9,000	NA	<3.0	NA	NA	NA	NA	NA	NA	NA	NA
Benzene		0.5	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromobenzene		NS	NS	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
Bromochloromethane		NS	NS	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
Bromodichloromethane		0.06	0.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromoform		0.44	4.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromomethane		1	10	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4
Carbon tetrachloride		0.5	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chlorobenzene		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chloroethane		80	400	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Chloroform		0.6	6	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Chloromethane		3	30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibromochloromethane		6	60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibromomethane		NS	NS	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Dichlorodifluoromethane		200	1,000	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
Diisopropyl ether		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene		140	700	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Hexachloro-1,3-butadiene		NS	NS	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
Isopropylbenzene (Cumene)		NS	NS	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Methyl tert-butyl ether (MTBE)		12	60	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17

Table A-6

Temporary Well Groundwater Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-33	SB-34	SB-35	SB-36S	SB-36D	SB-37S	SB-37D	SB-38	SB-41	SB-42
				3-8' 07/28/17	7-12' 07/27/17	11-16' 07/27/17	3-8' 07/27/17	18-28' 07/27/17	5-10' 07/27/17	20-30' 07/27/17	7-12' 07/27/17	2-12' 08/02/17	6-16' 07/31/17
Methylene Chloride		0.5	5	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
Naphthalene		10	100	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Styrene		10	100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethene		0.5	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene		160	800	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethene		0.5	5	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Trichlorofluoromethane		NS	NS	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Vinyl chloride		0.02	0.2	<0.18	<0.18	0.48 J	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,2-Dichloroethene (cis)		7	70	<0.26	<0.26	0.70 J	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
1,3-Dichloropropene (cis)		0.04	0.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
m&p-Xylene*		400	2,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Butylbenzene		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
n-Propylbenzene		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
o-Xylene*		400	2,000	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
p-Isopropyltoluene		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
sec-Butylbenzene		NS	NS	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
tert-Butylbenzene		NS	NS	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,2-Dichloroethene (trans)		20	100	<0.26	<0.26	0.75 J	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
1,3-Dichloropropene (trans)		0.04	0.4	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23

Notes:All units are micrograms per liter ($\mu\text{g/l}$).

All depths are measured in feet below ground surface (ft bgs).

VOCs analyzed by USEPA Method 8260.

* Xylene standard is for total xylene concentrations.

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit (PAL).**Shaded** Value exceeds Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (ES).

NS No established standard.

NA Not analyzed.

Table A-6

Temporary Well Groundwater Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-43	SB-44	SB-45	SB-46	SB-47	SB-48	SB-49	SB-50	SB-51	SB-52
				7-12'	7-12'	7-12'	3-8'	7-12'	11-16'	5-15'	5-15'	0-5'	3-8'
				08/01/17	08/01/17	08/02/17	08/02/17	08/01/17	08/01/17	08/02/17	08/02/17	08/02/17	07/28/17
1,1,1,2-Tetrachloroethane		7	70	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,1,1-Trichloroethane		40	200	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane		0.02	0.2	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,1,2-Trichloroethane		0.5	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane		85	850	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,1-Dichloroethene		0.7	7	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,1-Dichloropropene		NS	NS	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
1,2,3-Trichlorobenzene		NS	NS	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
1,2,3-Trichloropropane		12	60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2,4-Trichlorobenzene		14	70	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
1,2,4-Trimethylbenzene		96	480	<0.50	0.73 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dibromo-3-chloropropane (DBCP)		0.02	0.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
1,2-Dibromoethane (EDB)		0.005	0.05	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,2-Dichlorobenzene		60	600	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.58 J	<0.50	<0.50	<0.50
1,2-Dichloroethane		0.5	5	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
1,2-Dichloropropane		0.5	5	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
1,3,5-Trimethylbenzene		96	480	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene		120	600	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichloropropane		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene		15	75	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2,2-Dichloropropane		NS	NS	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
2-Butanone (MEK)		800	4,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2-Hexanone		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene		NS	NS	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
4-Methyl-2-pentanone (MIBK)		50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone		1,800	9,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene		0.5	5	<0.50	23.3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromobenzene		NS	NS	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
Bromochloromethane		NS	NS	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
Bromodichloromethane		0.06	0.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromoform		0.44	4.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromomethane		1	10	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4
Carbon tetrachloride		0.5	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chlorobenzene		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chloroethane		80	400	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Chloroform		0.6	6	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Chloromethane		3	30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibromochloromethane		6	60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibromomethane		NS	NS	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Dichlorodifluoromethane		200	1,000	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
Diisopropyl ether		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene		140	700	<0.50	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Hexachloro-1,3-butadiene		NS	NS	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1
Isopropylbenzene (Cumene)		NS	NS	<0.14	0.18 J	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Methyl tert-butyl ether (MTBE)		12	60	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17

Table A-6

Temporary Well Groundwater Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-43	SB-44	SB-45	SB-46	SB-47	SB-48	SB-49	SB-50	SB-51	SB-52
				7-12'	7-12'	7-12'	3-8'	7-12'	11-16'	5-15'	5-15'	0-5'	3-8'
				08/01/17	08/01/17	08/02/17	08/02/17	08/01/17	08/01/17	08/02/17	08/02/17	08/02/17	07/28/17
Methylene Chloride		0.5	5	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
Naphthalene		10	100	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Styrene		10	100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethene		0.5	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene		160	800	<0.50	10.8	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethene		0.5	5	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Trichlorofluoromethane		NS	NS	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Vinyl chloride		0.02	0.2	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,2-Dichloroethene (cis)		7	70	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
1,3-Dichloropropene (cis)		0.04	0.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
m&p-Xylene*		400	2,000	<1.0	5.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Butylbenzene		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
n-Propylbenzene		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
o-Xylene*		400	2,000	<0.50	2.2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
p-Isopropyltoluene		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
sec-Butylbenzene		NS	NS	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
tert-Butylbenzene		NS	NS	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
1,2-Dichloroethene (trans)		20	100	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
1,3-Dichloropropene (trans)		0.04	0.4	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23

Notes:All units are micrograms per liter ($\mu\text{g/l}$).

All depths are measured in feet below ground surface (ft bgs).

VOCs analyzed by USEPA Method 8260.

* Xylene standard is for total xylene concentrations.

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit (PAL).**Shaded** Value exceeds Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (ES).

NS No established standard.

NA Not analyzed.

Table A-6

Temporary Well Groundwater Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-53	TRIP BLANK	SB-54	SB-55	SB-56	SB-57	SB-58	SB-59	SB-60	SB-61
				0-3'		6-16'	6-16'	5-15'	2-12'	4-14'	3-13'	9-19'	9-19'
				07/27/17	08/02/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17
1,1,1,2-Tetrachloroethane		7	70	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<1.8	<0.18	<0.36
1,1,1-Trichloroethane		40	200	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<1.0
1,1,2,2-Tetrachloroethane		0.02	0.2	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<2.5	<0.25	<0.50
1,1,2-Trichloroethane		0.5	5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<2.0	<0.20	<0.39
1,1-Dichloroethane		85	850	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<2.4	<0.24	<0.48
1,1-Dichloroethene		0.7	7	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<4.1	<0.41	<0.82
1,1-Dichloropropene		NS	NS	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<4.4	<0.44	<0.88
1,2,3-Trichlorobenzene		NS	NS	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<21.3	<2.1	<4.3
1,2,3-Trichloropropane		12	60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<1.0
1,2,4-Trichlorobenzene		14	70	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<22.1	<2.2	<4.4
1,2,4-Trimethylbenzene		96	480	<0.50	<0.50	<0.50	1.0	<0.50	<0.50	<0.50	<5.0	<0.50	54.5
1,2-Dibromo-3-chloropropane (DBCP)		0.02	0.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<21.6	<2.2	<4.3
1,2-Dibromoethane (EDB)		0.005	0.05	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<1.8	<0.18	<0.36
1,2-Dichlorobenzene		60	600	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<1.0
1,2-Dichloroethane		0.5	5	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<1.7	<0.17	<0.34
1,2-Dichloropropane		0.5	5	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<2.3	<0.23	<0.47
1,3,5-Trimethylbenzene		96	480	<0.50	<0.50	<0.50	0.60 J	<0.50	<0.50	<0.50	85.9	3.3	22.5
1,3-Dichlorobenzene		120	600	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<1.0
1,3-Dichloropropane		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<1.0
1,4-Dichlorobenzene		15	75	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<1.0
2,2-Dichloropropane		NS	NS	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<4.8	<0.48	<0.97
2-Butanone (MEK)		800	4,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<1.0
2-Hexanone		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene		NS	NS	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<2.1	<0.21	<0.43
4-Methyl-2-pentanone (MIBK)		50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone		1,800	9,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene		0.5	5	<0.50	<0.50	<0.50	36.6	<0.50	<0.50	<0.50	6.9 J	<0.50	19.5
Bromobenzene		NS	NS	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<2.3	<0.23	<0.46
Bromochloromethane		NS	NS	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<3.4	<0.34	<0.68
Bromodichloromethane		0.06	0.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<1.0
Bromoform		0.44	4.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<1.0
Bromomethane		1	10	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<24.3	<2.4	<4.9
Carbon tetrachloride		0.5	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<1.0
Chlorobenzene		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<1.0
Chloroethane		80	400	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<3.7	<0.37	<0.75
Chloroform		0.6	6	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<25.0	<2.5	<5.0
Chloromethane		3	30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<1.0
Dibromochloromethane		6	60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<1.0
Dibromomethane		NS	NS	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<4.3	<0.43	<0.85
Dichlorodifluoromethane		200	1,000	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<2.2	<0.22	<0.45
Diisopropyl ether		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<1.0
Ethylbenzene		140	700	<0.50	<0.50	<0.50	2.9	<0.50	<0.50	<0.50	172	0.99 J	26.0
Hexachloro-1,3-butadiene		NS	NS	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<21.1	<2.1	<4.2
Isopropylbenzene (Cumene)		NS	NS	<0.14	<0.14	<0.14	3.7	<0.14	<0.14	<0.14	96.2	5.8	12.8
Methyl tert-butyl ether (MTBE)		12	60	<0.17	<0.17	NA	NA	NA	NA	NA	NA	NA	NA

Table A-6

Temporary Well Groundwater Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-53	TRIP BLANK	SB-54	SB-55	SB-56	SB-57	SB-58	SB-59	SB-60	SB-61
				0-3'		6-16'	6-16'	5-15'	2-12'	4-14'	3-13'	9-19'	9-19'
				07/27/17	08/02/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17
Methylene Chloride		0.5	5	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<2.3	<0.23	<0.47
Naphthalene		10	100	<2.5	<2.5	2.6 J	32.8	<2.5	<2.5	<2.5	486	2.6 J	<5.0
Styrene		10	100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<1.0
Tetrachloroethene		0.5	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<1.0
Toluene		160	800	<0.50	<0.50	<0.50	1.3	<0.50	<0.50	<0.50	13.3	<0.50	12.9
Trichloroethene		0.5	5	0.39 J	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<3.3	<0.33	<0.66
Trichlorofluoromethane		NS	NS	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<1.8	<0.18	<0.37
Vinyl chloride		0.02	0.2	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<1.8	<0.18	<0.35
1,2-Dichloroethene (cis)		7	70	0.51 J	<0.26	1.1	2.4	<0.26	<0.26	<0.26	<2.6	<0.26	<0.51
1,3-Dichloropropene (cis)		0.04	0.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<1.0
m&p-Xylene*		400	2,000	<1.0	<1.0	<1.0	6.6	<1.0	<1.0	<1.0	521	<1.0	510
n-Butylbenzene		NS	NS	<0.50	<0.50	<0.50	1.1	<0.50	<0.50	<0.50	24.2	<0.50	<1.0
n-Propylbenzene		NS	NS	<0.50	<0.50	<0.50	10.1	<0.50	<0.50	<0.50	304	15.1	11.9
o-Xylene*		400	2,000	<0.50	<0.50	<0.50	0.61 J	<0.50	<0.50	<0.50	10.1	<0.50	16.0
p-Isopropyltoluene		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	7.6 J	<0.50	<1.0
sec-Butylbenzene		NS	NS	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<21.9	<2.2	<4.4
tert-Butylbenzene		NS	NS	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<1.8	<0.18	<0.36
1,2-Dichloroethene (trans)		20	100	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<2.6	<0.26	<0.51
1,3-Dichloropropene (trans)		0.04	0.4	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<2.3	<0.23	<0.46

Notes:All units are micrograms per liter ($\mu\text{g/l}$).

All depths are measured in feet below ground surface (ft bgs).

VOCs analyzed by USEPA Method 8260.

* Xylene standard is for total xylene concentrations.

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit (PAL).**Shaded** Value exceeds Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (ES).

NS No established standard.

NA Not analyzed.

Table A-6

Temporary Well Groundwater Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-62	SB-63	SB-64	SB-65	SB-66S	SB-66D	SB-67	SB-68S	SB-68D	SB-69
				10-20'	8-18'	3-13'	3-13'	3-8'	17-22'	17-22'	3-8'	17-22'	3-8'
				09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17
1,1,1,2-Tetrachloroethane		7	70	<0.18	<0.18	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane		40	200	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane		0.02	0.2	<0.25	<0.25	<0.25	<0.25	<0.25	<12.5	<0.25	<0.25	<0.25	<0.25
1,1,2-Trichloroethane		0.5	5	<0.20	<0.20	<0.20	<0.20	<0.20	<9.9	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane		85	850	<0.24	<0.24	<0.24	<0.24	<0.24	<12.1	<0.24	<0.24	<0.24	<0.24
1,1-Dichloroethene		0.7	7	<0.41	<0.41	<0.41	<0.41	<0.41	<20.5	<0.41	<0.41	<0.41	<0.41
1,1-Dichloropropene		NS	NS	<0.44	<0.44	<0.44	<0.44	<0.44	<22.1	<0.44	<0.44	<0.44	<0.44
1,2,3-Trichlorobenzene		NS	NS	<2.1	<2.1	<2.1	<2.1	<2.1	<107	<2.1	<2.1	<2.1	<2.1
1,2,3-Trichloropropane		12	60	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
1,2,4-Trichlorobenzene		14	70	<2.2	<2.2	<2.2	<2.2	<2.2	<110	<2.2	<2.2	<2.2	<2.2
1,2,4-Trimethylbenzene		96	480	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
1,2-Dibromo-3-chloropropane (DBCP)		0.02	0.2	<2.2	<2.2	<0.18	<0.18	<0.18	<8.9	<0.18	<0.18	<0.18	<0.18
1,2-Dibromoethane (EDB)		0.005	0.05	<0.18	<0.18	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene		60	600	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
1,2-Dichloroethane		0.5	5	<0.17	<0.17	<0.17	<0.17	<0.17	5,540	<0.17	<0.17	<0.17	<0.17
1,2-Dichloropropane		0.5	5	<0.23	<0.23	<0.23	<0.23	<0.23	<11.7	<0.23	<0.23	<0.23	<0.23
1,3,5-Trimethylbenzene		96	480	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene		120	600	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
1,3-Dichloropropane		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene		15	75	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
2,2-Dichloropropane		NS	NS	<0.48	<0.48	<0.48	<0.48	<0.48	<24.2	<0.48	<0.48	<0.48	<0.48
2-Butanone (MEK)		800	4,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
2-Hexanone		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene		NS	NS	<0.21	<0.21	<0.21	<0.21	<0.21	<10.7	<0.21	<0.21	<0.21	<0.21
4-Methyl-2-pentanone (MIBK)		50	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone		1,800	9,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene		0.5	5	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
Bromobenzene		NS	NS	<0.23	<0.23	<0.23	<0.23	<0.23	<11.5	<0.23	<0.23	<0.23	<0.23
Bromochloromethane		NS	NS	<0.34	<0.34	<0.34	<0.34	<0.34	<17.0	<0.34	<0.34	<0.34	<0.34
Bromodichloromethane		0.06	0.6	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
Bromoform		0.44	4.4	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
Bromomethane		1	10	<2.4	<2.4	<2.4	<2.4	<2.4	<122	<2.4	<2.4	<2.4	<2.4
Carbon tetrachloride		0.5	5	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
Chlorobenzene		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
Chloroethane		80	400	<0.37	<0.37	<0.37	<0.37	<0.37	<18.7	<0.37	<0.37	<0.37	<0.37
Chloroform		0.6	6	<2.5	<2.5	<2.5	<2.5	<2.5	<125	<2.5	<2.5	<2.5	<2.5
Chloromethane		3	30	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
Dibromochloromethane		6	60	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
Dibromomethane		NS	NS	<0.43	<0.43	<0.43	<0.43	<0.43	<21.3	<0.43	<0.43	<0.43	<0.43
Dichlorodifluoromethane		200	1,000	<0.22	<0.22	<0.22	<0.22	<0.22	<11.2	<0.22	<0.22	<0.22	<0.22
Diisopropyl ether		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	6.2	0.96 J	<0.50	<0.50
Ethylbenzene		140	700	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
Hexachloro-1,3-butadiene		NS	NS	<2.1	<2.1	<2.1	<2.1	<2.1	<105	<2.1	<2.1	<2.1	<2.1
Isopropylbenzene (Cumene)		NS	NS	<0.14	<0.14	<0.14	<0.14	<0.14	<7.2	<0.14	<0.14	<0.14	<0.14
Methyl tert-butyl ether (MTBE)		12	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-6

Temporary Well Groundwater Analytical Results - Volatile Organic Compounds (VOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-62	SB-63	SB-64	SB-65	SB-66S	SB-66D	SB-67	SB-68S	SB-68D	SB-69
				10-20'	8-18'	3-13'	3-13'	3-8'	17-22'	17-22'	3-8'	17-22'	3-8'
				09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17
Methylene Chloride		0.5	5	<0.23	<0.23	<0.23	<0.23	<0.23	<11.6	<0.23	<0.23	<0.23	<0.23
Naphthalene		10	100	<2.5	<2.5	<2.5	<2.5	<2.5	<125	<2.5	<2.5	<2.5	3.0 J
Styrene		10	100	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
Tetrachloroethene		0.5	5	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
Toluene		160	800	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
Trichloroethene		0.5	5	<0.33	<0.33	<0.33	<0.33	<0.33	<16.5	<0.33	<0.33	<0.33	<0.33
Trichlorofluoromethane		NS	NS	<0.18	<0.18	<0.18	<0.18	<0.18	<9.2	<0.18	<0.18	<0.18	<0.18
Vinyl chloride		0.02	0.2	<0.18	<0.18	<0.18	<0.18	<0.18	55.2	<0.18	<0.18	<0.18	<0.18
1,2-Dichloroethene (cis)		7	70	<0.26	<0.26	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
1,3-Dichloropropene (cis)		0.04	0.4	<0.50	<0.50	<1.0	<1.0	<1.0	<50.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene*		400	2,000	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
n-Propylbenzene		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
o-Xylene*		400	2,000	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
p-Isopropyltoluene		NS	NS	<0.50	<0.50	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50
sec-Butylbenzene		NS	NS	<2.2	<2.2	<2.2	<2.2	<2.2	<109	<2.2	<2.2	<2.2	<2.2
tert-Butylbenzene		NS	NS	NA	NA	<0.18	<0.18	<0.18	<9.0	<0.18	<0.18	<0.18	<0.18
1,2-Dichloroethene (trans)		20	100	<0.18	<0.18	<0.26	<0.26	<0.26	<12.8	<0.26	<0.26	<0.26	<0.26
1,3-Dichloropropene (trans)		0.04	0.4	<0.26	<0.26	<0.23	<0.23	<0.23	<11.5	<0.23	<0.23	<0.23	<0.23

Notes:All units are micrograms per liter ($\mu\text{g/l}$).

All depths are measured in feet below ground surface (ft bgs).

VOCs analyzed by USEPA Method 8260.

* Xylene standard is for total xylene concentrations.

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit (PAL).**Shaded** Value exceeds Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (ES).

NS No established standard.

NA Not analyzed.

Table A-7

Temporary Well Groundwater Analytical Results - Semi-Volatile Organic Compounds (SVOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-3	SB-4	SB-5	SB-8	SB-9	SB-10	SB-11	SB-12	SB-13	SB-14	SB-15	SB-15D
				3-13'	7-12'	3-8'	5-15'	3-13'	3-8'	3-8'	3-8'	3-8'	3-8'	3-8'	3-8'
				07/31/17	07/31/17	07/31/17	08/01/17	08/02/17	07/28/17	07/31/17	08/02/17	07/28/17	07/28/17	07/28/17	09/11/17
1,2,4-Trichlorobenzene		14	70	NA	NA	NA	NA	NA	NA	NA	<1.9	NA	<7.8	<1.9	<2.2
1,2-Dichlorobenzene		60	600	NA	NA	NA	NA	NA	NA	NA	<1.8	NA	<7.4	<1.8	<0.50
1,3-Dichlorobenzene		120	600	NA	NA	NA	NA	NA	NA	NA	<1.8	NA	<7.2	<1.8	<0.50
1,4-Dichlorobenzene		15	75	NA	NA	NA	NA	NA	NA	NA	<1.8	NA	<7.2	<1.8	<0.50
1-Methylnaphthalene		NS	NS	34.7	<0.0054	5.5	5.6	14.1	<0.0054	32.3	NA	<0.0057	NA	NA	NA
2,2'-Oxybis(1-chloropropane)		NS	NS	NA	NA	NA	NA	NA	NA	NA	<1.5	NA	<5.8	<1.5	NA
2,4,5-Trichlorophenol		12	60	NA	NA	NA	NA	NA	NA	NA	<0.80	NA	<3.2	<0.80	NA
2,4,6-Trichlorophenol		NS	NS	NA	NA	NA	NA	NA	NA	NA	<2.0	NA	<8.0	<2.0	NA
2,4-Dichlorophenol		7	70	NA	NA	NA	NA	NA	NA	NA	<1.3	NA	<5.2	<1.3	NA
2,4-Dimethylphenol		NS	NS	NA	NA	NA	NA	NA	NA	NA	<1.2	NA	<4.8	<1.2	NA
2,4-Dinitrophenol		NS	NS	NA	NA	NA	NA	NA	NA	NA	<0.68	NA	<2.7	<0.68	NA
2,4-Dinitrotoluene		0.005	0.05	NA	NA	NA	NA	NA	NA	NA	<0.75	NA	<3.0	<0.75	NA
2,6-Dinitrotoluene		0.005	0.05	NA	NA	NA	NA	NA	NA	NA	<0.57	NA	<2.3	<0.57	NA
2-Chloronaphthalene		NS	NS	NA	NA	NA	NA	NA	NA	NA	<1.6	NA	<6.3	<1.6	NA
2-Chlorophenol		NS	NS	NA	NA	NA	NA	NA	NA	NA	<1.1	NA	<4.4	<1.1	NA
2-Methylnaphthalene		NS	NS	83.0	<0.0045	9.5	10.0	17.1	<0.0045	75.4	<1.4	<0.0048	<5.8	<1.4	NA
2-Methylphenol(o-Cresol)		NS	NS	NA	NA	NA	NA	NA	NA	NA	<0.83	NA	<3.3	<0.83	NA
2-Nitroaniline		NS	NS	NA	NA	NA	NA	NA	NA	NA	<0.74	NA	<2.9	<0.74	NA
2-Nitrophenol		NS	NS	NA	NA	NA	NA	NA	NA	NA	<1.1	NA	<4.4	<1.1	NA
3&4-Methylphenol(m&p Cresol)		NS	NS	NA	NA	NA	NA	NA	NA	NA	<1.5	NA	<5.9	<1.5	NA
3,3'-Dichlorobenzidine		NS	NS	NA	NA	NA	NA	NA	NA	NA	<0.86	NA	<3.4	<0.86	NA
3-Nitroaniline		NS	NS	NA	NA	NA	NA	NA	NA	NA	<0.92	NA	<3.7	<0.92	NA
4,6-Dinitro-2-methylphenol		NS	NS	NA	NA	NA	NA	NA	NA	NA	<0.62	NA	<2.5	<0.62	NA
4-Bromophenylphenyl ether		NS	NS	NA	NA	NA	NA	NA	NA	NA	<1.9	NA	<7.5	<1.9	NA
4-Chloro-3-methylphenol		NS	NS	NA	NA	NA	NA	NA	NA	NA	<1.6	NA	<6.4	<1.6	NA
4-Chloroaniline		NS	NS	NA	NA	NA	NA	NA	NA	NA	<1.0	NA	<4.2	<1.0	NA
4-Chlorophenylphenyl ether		NS	NS	NA	NA	NA	NA	NA	NA	NA	<0.78	NA	<3.1	<0.78	NA
4-Nitroaniline		NS	NS	NA	NA	NA	NA	NA	NA	NA	<1.7	NA	<7.0	<1.7	NA
4-Nitrophenol		NS	NS	NA	NA	NA	NA	NA	NA	NA	<1.0	NA	<4.0	<1.0	NA
Acenaphthene		NS	NS	0.50 J	0.0074 J	0.36	0.066 J	0.26	<0.0056	<0.17	<1.3	0.018 J	50.2	<1.3	NA
Acenaphthylene		NS	NS	0.12 J	0.0073 J	0.091 J	<0.047	0.15	<0.0046	<0.14	<1.0	<0.0048	<4.0	<1.0	NA
Anthracene		600	3,000	<0.24	0.012 J	<0.094	<0.099	<0.024	<0.0096	<0.30	<1.7	<0.010	38.5	<1.7	NA
Benzo(a)anthracene		NS	NS	<0.17	0.0070 J	0.13 J	<0.071	<0.018	<0.0069	<0.22	<0.51	0.12	36.5	<0.51	NA
Benzo(a)pyrene		0.02	0.2	<0.24	0.032 J	0.40 J	<0.099	<0.024	<0.0097	<0.30	<1.8	0.17	31.1	<1.8	NA
Benzo(b)fluoranthene		0.02	0.2	<0.13	0.045	0.41	<0.054	<0.013	<0.0053	<0.16	<0.62	0.23	40.4	<0.62	NA
Benzo(g,h,i)perylene		NS	NS	<0.16	0.028 J	0.22 J	<0.064	<0.016	<0.0062	<0.19	0.91 J	0.13	19.1	<0.77	NA
Benzo(k)fluoranthene		NS	NS	<0.17	0.033 J	0.40	<0.071	<0.018	<0.0069	<0.22	<0.95	0.13	17.4	<0.95	NA
Butylbenzylphthalate		NS	NS	NA*	NA	NA	NA	NA	NA	NA	<0.74	NA	<2.9	<0.74	NA
Carbazole		NS	NS	NA*	NA	NA	NA	NA	NA	NA	<0.71	NA	120	<0.71	NA
Chrysene		0.02	0.2	<0.30	0.067	1.0	<0.12	0.044 J	<0.012	<0.37	<1.7	0.26	41.4	<1.7	NA
Di-n-butylphthalate		NS	NS	NA	NA	NA	NA	NA	NA	NA	<2.4	NA	<9.8	<2.4	NA
Di-n-octylphthalate		NS	NS	NA	NA	NA	NA	NA	NA	NA	<1.8	NA	<7.2	<1.8	NA
Dibenz(a,h)anthracene		NS	NS	<0.23	<0.0091	<0.090	<0.095	<0.023	<0.0092	<0.29	<1.3	0.024 J	<5.0	<1.3	NA
Dibenzofuran		NS	NS	NA	NA	NA	NA	NA	NA	NA	<0.73	NA	30.9	<0.73	NA
Diethylphthalate		NS	NS	NA	NA	NA	NA	NA	NA	NA	<1.0	NA	<4.1	<1.0	NA
Dimethylphthalate		NS	NS	NA	NA	NA	NA	NA	NA	NA	<1.8	NA	<7.4	<1.8	NA

Table A-7

Temporary Well Groundwater Analytical Results - Semi-Volatile Organic Compounds (SVOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-3	SB-4	SB-5	SB-8	SB-9	SB-10	SB-11	SB-12	SB-13	SB-14	SB-15	SB-15D
				3-13'	7-12'	3-8'	5-15'	3-13'	3-8'	3-8'	3-8'	3-8'	3-8'	3-8'	3-8'
				07/31/17	07/31/17	07/31/17	08/01/17	08/02/17	07/28/17	07/31/17	08/02/17	07/28/17	07/28/17	07/28/17	09/11/17
Fluoranthene		80	400	0.61 J	0.081	2.1	<0.10	0.050 J	0.024 J	<0.30	<0.54	0.36	108	<0.54	NA
Fluorene		80	400	0.55 J	<0.0072	0.78	<0.075	0.49	<0.0073	0.41 J	<0.71	<0.0077	48.4	<0.71	NA
Hexachloro-1,3-butadiene		NS	NS	NA	NA	NA	NA	NA	NA	NA	<2.3	NA	<9.4	<2.3	<2.1
Hexachlorobenzene		0.1	1	NA	NA	NA	NA	NA	NA	NA	<1.6	NA	<6.5	<1.6	NA
Hexachlorocyclopentadiene		NS	NS	NA	NA	NA	NA	NA	NA	NA	<0.65	NA	<2.6	<0.65	NA
Hexachloroethane		NS	NS	NA	NA	NA	NA	NA	NA	NA	<2.5	NA	<10.1	<2.5	NA
Indeno(1,2,3-cd)pyrene		NS	NS	<0.41	0.026 J	<0.16	<0.17	<0.041	<0.016	<0.50	<1.4	0.096	22.8	<1.4	NA
Isophorone		NS	NS	NA	NA	NA	NA	NA	NA	NA	<0.70	NA	<2.8	<0.70	NA
N-Nitroso-di-n-propylamine		NS	NS	NA	NA	NA	NA	NA	NA	NA	<0.92	NA	<3.7	<0.92	NA
N-Nitrosodiphenylamine		0.7	7	NA	NA	NA	NA	NA	NA	NA	<3.4	NA	<13.4	<3.4	NA
Naphthalene		10	100	182	<0.017	90.0	79.5	16.6	<0.017	290	<1.8	<0.018	51.0	<1.8	<2.5
Nitrobenzene		NS	NS	NA	NA	NA	NA	NA	NA	NA	<1.4	NA	<5.5	<1.4	NA
Pentachlorophenol		0.1	1	NA	NA	NA	NA	NA	NA	NA	<1.4	NA	<5.5	<1.4	NA
Phenanthrene		NS	NS	0.83 J	0.041 J	2.8	0.14 J	0.80	0.028 J	0.49 J	<1.7	0.19	125	<1.7	NA
Phenol		400	2,000	NA	NA	NA*	NA*	NA*	NA	NA	<0.57	NA	<2.3	<0.57	NA
Pyrene		50	250	0.75 J	0.090	1.9	<0.072	0.042 J	0.060	0.41 J	<1.3	0.33	78.6	<1.3	NA
bis(2-Chloroethoxy)methane		NS	NS	NA	NA	NA	NA	NA	NA	NA	<0.95	NA	<3.8	<0.95	NA
bis(2-Chloroethyl) ether		NS	NS	NA	NA	NA	NA	NA	NA	NA	<1.5	NA	<6.0	<1.5	NA
bis(2-Ethylhexyl)phthalate		NS	NS	NA	NA	NA	NA	NA	NA	NA	<0.66	NA	<2.6	<0.66	NA

Notes:

All units are micrograms per liter (µg/l).

All depths are measured in feet below ground surface (ft bgs).

SVOCs analyzed by USEPA Method 8270.

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit (PAL).**Shaded** Value exceeds Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (ES).

NS No established standard.

NA Not analyzed.

Table A-7

Temporary Well Groundwater Analytical Results - Semi-Volatile Organic Compounds (SVOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-17	SB-18	SB-19	SB-20	SB-21	SB-22	SB-23	SB-24	SB-25	SB-26	SB-27D	SB-27S
				5-15'	5-15'	3-8'	7-12'	5-15'	6-16'	11-16'	6-16'	10-20'	0-5'	20-30'	5-10'
				08/02/17	07/28/17	07/31/17	07/31/17	07/31/17	07/31/17	07/31/17	07/31/17	08/01/17	08/01/17	07/26/17	07/27/17
1,2,4-Trichlorobenzene		14	70	<1.9	NA	<1.9	<1.9	<2.0	NA	<1.9	<2.0	<2.0	<2.1	<1.9	<2.1
1,2-Dichlorobenzene		60	600	<1.8	NA	<1.8	<1.8	<1.9	NA	<1.8	<1.9	<1.9	<2.0	<1.8	<2.0
1,3-Dichlorobenzene		120	600	<1.8	NA	<1.8	<1.8	<1.8	NA	<1.8	<1.8	<1.8	<2.0	<1.8	<2.0
1,4-Dichlorobenzene		15	75	<1.8	NA	<1.8	<1.8	<1.8	NA	<1.8	<1.8	<1.8	<2.0	<1.8	<2.0
1-Methylnaphthalene		NS	NS	NA	0.012 J	NA	NA	NA	<0.0053	NA	NA	NA	NA	NA	NA
2,2'-Oxybis(1-chloropropane)		NS	NS	<1.5	NA	<1.5	<1.5	<1.5	NA	<1.5	<1.5	<1.5	<1.6	<1.5	<1.6
2,4,5-Trichlorophenol		12	60	<0.80	NA	<0.80	<0.80	<0.82	NA	<0.80	<0.81	<0.81	<0.89	<0.80	<0.88
2,4,6-Trichlorophenol		NS	NS	<2.0	NA	<2.0	<2.0	<2.1	NA	<2.0	<2.0	<2.0	<2.2	<2.0	<2.2
2,4-Dichlorophenol		7	70	<1.3	NA	<1.3	<1.3	<1.3	NA	<1.3	<1.3	<1.3	<1.4	<1.3	<1.4
2,4-Dimethylphenol		NS	NS	<1.2	NA	<1.2	<1.2	<1.2	NA	<1.2	<1.2	<1.2	<1.3	<1.2	<1.3
2,4-Dinitrophenol		NS	NS	<0.68	NA	<0.68	<0.68	<0.69	NA	<0.68	<0.68	<0.68	<0.75	<0.68	<0.74
2,4-Dinitrotoluene		0.005	0.05	<0.75	NA	<0.75	<0.75	<0.77	NA	<0.75	<0.76	<0.76	<0.83	<0.75	<0.82
2,6-Dinitrotoluene		0.005	0.05	<0.57	NA	<0.57	<0.57	<0.59	NA	<0.57	<0.58	<0.58	<0.63	<0.57	<0.63
2-Chloronaphthalene		NS	NS	<1.6	NA	<1.6	<1.6	<1.6	NA	<1.6	<1.6	<1.6	<1.7	<1.6	<1.7
2-Chlorophenol		NS	NS	<1.1	NA	<1.1	<1.1	<1.1	NA	<1.1	<1.1	<1.1	<1.2	<1.1	<1.2
2-Methylnaphthalene		NS	NS	<1.4	<0.0048	<1.4	<1.4	<1.5	<0.0044	<1.4	<1.5	<1.5	<1.6	<1.4	<1.6
2-Methylphenol(o-Cresol)		NS	NS	<0.83	NA	<0.83	<0.83	<0.84	NA	<0.83	<0.83	<0.83	<0.91	<0.83	<0.90
2-Nitroaniline		NS	NS	<0.74	NA	<0.74	<0.74	<0.75	NA	<0.74	<0.74	<0.74	<0.81	<0.74	<0.81
2-Nitrophenol		NS	NS	<1.1	NA	<1.1	<1.1	<1.1	NA	<1.1	<1.1	<1.1	<1.2	<1.1	<1.2
3&4-Methylphenol(m&p Cresol)		NS	NS	<1.5	NA	<1.5	<1.5	<1.5	NA	<1.5	<1.5	<1.5	<1.6	<1.5	<1.6
3,3'-Dichlorobenzidine		NS	NS	<0.86	NA	<0.86	<0.86	<0.88	NA	<0.86	<0.87	<0.87	<0.95	<0.86	<0.94
3-Nitroaniline		NS	NS	<0.92	NA	<0.92	<0.92	<0.94	NA	<0.92	<0.93	<0.93	<1.0	<0.92	<1.0
4,6-Dinitro-2-methylphenol		NS	NS	<0.62	NA	<0.62	<0.62	<0.63	NA	<0.62	<0.63	<0.63	<0.69	<0.62	<0.68
4-Bromophenylphenyl ether		NS	NS	<1.9	NA	<1.9	<1.9	<1.9	NA	<1.9	<1.9	<1.9	<2.1	<1.9	<2.1
4-Chloro-3-methylphenol		NS	NS	<1.6	NA	<1.6	<1.6	<1.6	NA	<1.6	<1.6	<1.6	<1.8	<1.6	<1.8
4-Chloroaniline		NS	NS	<1.0	NA	<1.0	<1.0	<1.1	NA	<1.0	<1.1	<1.1	<1.2	<1.0	<1.1
4-Chlorophenylphenyl ether		NS	NS	<0.78	NA	<0.78	<0.78	<0.80	NA	<0.78	<0.79	<0.79	<0.86	<0.78	<0.85
4-Nitroaniline		NS	NS	<1.7	NA	<1.7	<1.7	<1.8	NA	<1.7	<1.8	<1.8	<1.9	<1.7	<1.9
4-Nitrophenol		NS	NS	<1.0	NA	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.1	<1.0	<1.1
Acenaphthene		NS	NS	<1.3	0.043	<1.3	<1.3	<1.3	<0.0055	<1.3	<1.3	<1.3	<1.4	<1.3	<1.4
Acenaphthylene		NS	NS	<1.0	0.017 J	<1.0	<1.0	<1.0	<0.0045	<1.0	<1.0	<1.0	<1.1	<1.0	<1.1
Anthracene		600	3,000	<1.7	0.018 J	<1.7	<1.7	<1.8	<0.0094	<1.7	<1.7	<1.7	<1.9	<1.7	<1.9
Benzo(a)anthracene		NS	NS	<0.51	0.16	2.9	<0.51	<0.52	<0.0068	<0.51	<0.51	<0.51	0.62 J	<0.51	0.63 J
Benzo(a)pyrene		0.02	0.2	<1.8	0.20	2.2 J	<1.8	<1.8	<0.0095	<1.8	<1.8	<1.8	<2.0	<1.8	<2.0
Benzo(b)fluoranthene		0.02	0.2	<0.62	0.26	2.7	<0.62	<0.63	0.010 J	<0.62	<0.63	<0.63	0.76 J	<0.62	0.74 J
Benzo(g,h,i)perylene		NS	NS	<0.77	0.14	1.4 J	<0.77	<0.79	<0.0061	<0.77	<0.78	<0.78	<0.85	<0.77	<0.84
Benzo(k)fluoranthene		NS	NS	<0.95	0.14	1.3 J	<0.95	<0.97	<0.0068	<0.95	<0.96	<0.96	<1.1	<0.95	<1.0
Butylbenzylphthalate		NS	NS	<0.74	NA	<0.74	<0.74	<0.75	NA	<0.74	<0.74	<0.74	<0.81	<0.74	<0.81
Carbazole		NS	NS	<0.71	NA	<0.71	<0.71	<0.73	NA	<0.71	<0.72	<0.72	<0.79	<0.71	<0.78
Chrysene		0.02	0.2	<1.7	0.26	2.8 J	<1.7	<1.7	0.013 J	<1.7	<1.7	<1.7	<1.8	<1.7	<1.8
Di-n-butylphthalate		NS	NS	<2.4	NA	<2.4	<2.4	<2.5	NA	<2.4	<2.5	<2.5	<2.7	<2.4	<2.7
Di-n-octylphthalate		NS	NS	<1.8	NA	<1.8	<1.8	<1.8	NA	<1.8	<1.8	<1.8	<2.0	<1.8	<2.0
Dibenz(a,h)anthracene		NS	NS	<1.3	0.027 J	<1.3	<1.3	<1.3	<0.0090	<1.3	<1.3	<1.3	<1.4	<1.3	<1.4
Dibenzofuran		NS	NS	<0.73	NA	<0.73	<0.73	<0.75	NA	<0.73	<0.74	<0.74	<0.81	<0.73	<0.80
Diethylphthalate		NS	NS	<1.0	NA	<1.0	<1.0	<1.1	NA	<1.0	<1.0	<1.0	<1.1	<1.0	<1.1
Dimethylphthalate		NS	NS	<1.8	NA	<1.8	<1.8	<1.9	NA	<1.8	<1.9	<1.9	<2.0	<1.8	<2.0

Table A-7

Temporary Well Groundwater Analytical Results - Semi-Volatile Organic Compounds (SVOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-17	SB-18	SB-19	SB-20	SB-21	SB-22	SB-23	SB-24	SB-25	SB-26	SB-27D	SB-27S
				5-15'	5-15'	3-8'	7-12'	5-15'	6-16'	11-16'	6-16'	10-20'	0-5'	20-30'	5-10'
				08/02/17	07/28/17	07/31/17	07/31/17	07/31/17	07/31/17	07/31/17	08/01/17	08/01/17	07/26/17	07/27/17	07/26/17
Fluoranthene		80	400	<0.54	0.41	9.6	<0.54	<0.55	0.020 J	<0.54	<0.54	<0.54	0.93 J	<0.54	0.95 J
Fluorene		80	400	<0.71	0.039 J	<0.71	<0.71	<0.73	<0.0072	<0.71	<0.72	<0.72	<0.79	<0.71	<0.78
Hexachloro-1,3-butadiene		NS	NS	<2.3	NA	<2.3	<2.3	<2.4	NA	<2.3	<2.4	<2.4	<2.6	<2.3	<2.6
Hexachlorobenzene		0.1	1	<1.6	NA	<1.6	<1.6	<1.6	NA	<1.6	<1.6	<1.6	<1.8	<1.6	<1.8
Hexachlorocyclopentadiene		NS	NS	<0.65	NA	<0.65	<0.65	<0.66	NA	<0.65	<0.65	<0.65	<0.71	<0.65	<0.71
Hexachloroethane		NS	NS	<2.5	NA	<2.5	<2.5	<2.6	NA	<2.5	<2.6	<2.6	<2.8	<2.5	<2.8
Indeno(1,2,3-cd)pyrene		NS	NS	<1.4	0.10	<1.4	<1.4	<1.5	<0.016	<1.4	<1.4	<1.4	<1.6	<1.4	<1.6
Isophorone		NS	NS	<0.70	NA	<0.70	<0.70	<0.71	NA	<0.70	<0.71	<0.71	<0.77	<0.70	<0.77
N-Nitroso-di-n-propylamine		NS	NS	<0.92	NA	<0.92	<0.92	<0.94	NA	<0.92	<0.93	<0.93	<1.0	<0.92	<1.0
N-Nitrosodiphenylamine		0.7	7	<3.4	NA	<3.4	<3.4	<3.4	NA	<3.4	<3.4	<3.4	<3.7	<3.4	<3.7
Naphthalene		10	100	<1.8	0.025 J	<1.8	<1.8	<1.8	<0.017	<1.8	<1.8	<1.8	<2.0	<1.8	<2.0
Nitrobenzene		NS	NS	<1.4	NA	<1.4	<1.4	<1.4	NA	<1.4	<1.4	<1.4	<1.5	<1.4	<1.5
Pentachlorophenol		0.1	1	<1.4	NA	<1.4	<1.4	<1.4	NA	<1.4	<1.4	<1.4	<1.5	<1.4	<1.5
Phenanthrene		NS	NS	<1.7	0.23	2.0 J	<1.7	<1.8	<0.012	<1.7	<1.8	<1.8	<1.9	<1.7	<1.9
Phenol		400	2,000	<0.57	NA	<0.57	<0.57	<0.58	NA	<0.57	<0.58	<0.58	<0.63	<0.57	<0.62
Pyrene		50	250	<1.3	0.39	7.8	<1.3	<1.3	0.025 J	<1.3	<1.3	<1.3	<1.4	<1.3	<1.4
bis(2-Chloroethoxy)methane		NS	NS	<0.95	NA	<0.95	<0.95	<0.97	NA	<0.95	<0.96	<0.96	<1.0	<0.95	<1.0
bis(2-Chloroethyl) ether		NS	NS	<1.5	NA	<1.5	<1.5	<1.5	NA	<1.5	<1.5	<1.5	<1.7	<1.5	<1.6
bis(2-Ethylhexyl)phthalate		NS	NS	<0.66	NA	<0.66	<0.66	<0.67	NA	<0.66	<0.67	<0.67	<0.73	<0.66	<0.72

Notes:All units are micrograms per liter ($\mu\text{g}/\text{l}$).

All depths are measured in feet below ground surface (ft bgs).

SVOCs analyzed by USEPA Method 8270.

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit (PAL).**Shaded** Value exceeds Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (ES).

NS No established standard.

NA Not analyzed.

Table A-7

Temporary Well Groundwater Analytical Results - Semi-Volatile Organic Compounds (SVOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-28	SB-29	SB-30	SB-31D	SB-31S	SB-32	SB-33	SB-34	SB-35	SB-36D	SB-36S	SB-37D
				11-16'	3-8'	15-20'	25-30'	7-12'	9.5-14.5'	3-8'	7-12'	11-16'	18-28'	3-8'	20-30'
				07/26/17	07/28/17	07/26/17	07/26/17	07/26/17	07/26/17	07/28/17	07/27/17	07/27/17	07/27/17	07/27/17	07/27/17
1,2,4-Trichlorobenzene		14	70	<2.0	<1.9	<2.0	<2.1	<2.2	<2.2	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9
1,2-Dichlorobenzene		60	600	<1.9	<1.8	<1.9	<2.0	<2.1	<2.1	<1.9	<1.8	<1.8	<1.8	<1.8	<1.8
1,3-Dichlorobenzene		120	600	<1.9	<1.8	<1.9	<2.0	<2.0	<2.0	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
1,4-Dichlorobenzene		15	75	<1.9	<1.8	<1.9	<2.0	<2.0	<2.0	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
1-Methylnaphthalene		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-Oxybis(1-chloropropane)		NS	NS	<1.5	<1.5	<1.5	<1.6	<1.6	<1.6	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
2,4,5-Trichlorophenol		12	60	<0.84	<0.80	<0.84	<0.89	<0.90	<0.90	<0.83	<0.80	<0.80	<0.80	<0.80	<0.80
2,4,6-Trichlorophenol		NS	NS	<2.1	<2.0	<2.1	<2.2	<2.2	<2.2	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0
2,4-Dichlorophenol		7	70	<1.4	<1.3	<1.4	<1.4	<1.5	<1.5	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
2,4-Dimethylphenol		NS	NS	<1.3	<1.2	<1.3	<1.3	<1.3	<1.3	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
2,4-Dinitrophenol		NS	NS	<0.71	<0.68	<0.71	<0.75	<0.76	<0.76	<0.70	<0.68	<0.68	<0.68	<0.68	<0.68
2,4-Dinitrotoluene		0.005	0.05	<0.79	<0.75	<0.79	<0.83	<0.84	<0.84	<0.78	<0.75	<0.75	<0.75	<0.75	<0.75
2,6-Dinitrotoluene		0.005	0.05	<0.60	<0.57	<0.60	<0.63	<0.64	<0.64	<0.59	<0.57	<0.57	<0.57	<0.57	<0.57
2-Chloronaphthalene		NS	NS	<1.6	<1.6	<1.6	<1.7	<1.8	<1.8	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
2-Chlorophenol		NS	NS	<1.2	<1.1	<1.2	<1.2	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
2-Methylnaphthalene		NS	NS	<1.5	<1.4	<1.5	<1.6	<1.6	<1.6	<1.5	<1.4	<1.4	<1.4	<1.4	<1.4
2-Methylphenol(o-Cresol)		NS	NS	<0.87	<0.83	<0.87	<0.91	<0.92	<0.92	<0.85	<0.83	<0.83	<0.83	<0.83	<0.83
2-Nitroaniline		NS	NS	<0.77	<0.74	<0.77	<0.81	<0.82	<0.82	<0.76	<0.74	<0.74	<0.74	<0.74	<0.74
2-Nitrophenol		NS	NS	<1.2	<1.1	<1.2	<1.2	<1.2	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
3&4-Methylphenol(m&p Cresol)		NS	NS	<1.6	<1.5	<1.6	<1.6	<1.7	<1.7	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
3,3'-Dichlorobenzidine		NS	NS	<0.91	<0.86	<0.91	<0.95	<0.96	<0.96	<0.89	<0.86	<0.86	<0.86	<0.86	<0.86
3-Nitroaniline		NS	NS	<0.97	<0.92	<0.97	<1.0	<1.0	<1.0	<0.95	<0.92	<0.92	<0.92	<0.92	<0.92
4,6-Dinitro-2-methylphenol		NS	NS	<0.65	<0.62	<0.65	<0.69	<0.70	<0.70	<0.64	<0.62	<0.62	<0.62	<0.62	<0.62
4-Bromophenylphenyl ether		NS	NS	<2.0	<1.9	<2.0	<2.1	<2.1	<2.1	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
4-Chloro-3-methylphenol		NS	NS	<1.7	<1.6	<1.7	<1.8	<1.8	<1.8	<1.7	<1.6	<1.6	<1.6	<1.6	<1.6
4-Chloroaniline		NS	NS	<1.1	<1.0	<1.1	<1.2	<1.2	<1.2	<1.1	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorophenylphenyl ether		NS	NS	<0.82	<0.78	<0.82	<0.86	<0.87	<0.87	<0.80	<0.78	<0.78	<0.78	<0.78	<0.78
4-Nitroaniline		NS	NS	<1.8	<1.7	<1.8	<1.9	<1.9	<1.9	<1.8	<1.7	<1.7	<1.7	<1.7	<1.7
4-Nitrophenol		NS	NS	<1.0	<1.0	<1.0	<1.1	<1.1	<1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acenaphthene		NS	NS	<1.3	<1.3	<1.3	<1.4	<1.4	<1.4	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
Acenaphthylene		NS	NS	<1.1	<1.0	<1.1	<1.1	<1.1	<1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Anthracene		600	3,000	<1.8	<1.7	<1.8	<1.9	<1.9	<1.9	<1.8	<1.7	<1.7	<1.7	<1.7	<1.7
Benzo(a)anthracene		NS	NS	<0.53	<0.51	<0.53	<0.56	<0.57	<0.57	<0.52	<0.51	<0.51	<0.51	<0.51	<0.51
Benzo(a)pyrene		0.02	0.2	<1.9	<1.8	<1.9	<2.0	<2.0	<2.0	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Benzo(b)fluoranthene		0.02	0.2	<0.65	<0.62	<0.65	<0.69	<0.70	<0.70	<0.64	<0.62	<0.62	<0.62	<0.62	<0.62
Benzo(g,h,i)perylene		NS	NS	<0.81	<0.77	<0.81	<0.85	<0.86	<0.86	<0.79	<0.77	<0.77	<0.77	<0.77	<0.77
Benzo(k)fluoranthene		NS	NS	<1.0	<0.95	<1.0	<1.1	<1.1	<1.1	<0.98	<0.95	<0.95	<0.95	<0.95	<0.95
Butylbenzylphthalate		NS	NS	<0.77	<0.74	<0.77	<0.81	<0.82	<0.82	<0.76	<0.74	<0.74	<0.74	<0.74	<0.74
Carbazole		NS	NS	<0.75	<0.71	<0.75	1.2 J	<0.80	<0.80	<0.73	<0.71	<0.71	<0.71	<0.71	<0.71
Chrysene		0.02	0.2	<1.7	<1.7	<1.7	<1.8	<1.9	<1.9	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Di-n-butylphthalate		NS	NS	<2.6	<2.4	<2.6	<2.7	<2.7	<2.7	<2.5	<2.4	<2.4	<2.4	<2.4	<2.4
Di-n-octylphthalate		NS	NS	<1.9	<1.8	<1.9	<2.0	<2.0	<2.0	<1.9	<1.8	<1.8	<1.8	<1.8	<1.8
Dibenz(a,h)anthracene		NS	NS	<1.3	<1.3	<1.3	<1.4	<1.4	<1.4	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
Dibenzofuran		NS	NS	<0.77	<0.73	<0.77	<0.81	<0.82	<0.82	<0.75	<0.73	<0.73	<0.73	<0.73	<0.73
Diethylphthalate		NS	NS	<1.1	<1.0	<1.1	<1.1	<1.2	<1.2	<1.1	<1.0	<1.0	<1.0	<1.0	<1.0
Dimethylphthalate		NS	NS	<1.9	<1.8	<1.9	<2.0	<2.1	<2.1	<1.9	<1.8	<1.8	<1.8	<1.8	<1.8

Table A-7

Temporary Well Groundwater Analytical Results - Semi-Volatile Organic Compounds (SVOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-28	SB-29	SB-30	SB-31D	SB-31S	SB-32	SB-33	SB-34	SB-35	SB-36D	SB-36S	SB-37D
				11-16' 07/26/17	3-8' 07/28/17	15-20' 07/26/17	25-30' 07/26/17	7-12' 07/26/17	9.5-14.5' 07/26/17	3-8' 07/28/17	7-12' 07/27/17	11-16' 07/27/17	18-28' 07/27/17	3-8' 07/27/17	20-30' 07/27/17
Fluoranthene		80	400	<0.56	<0.54	<0.56	0.96 J	<0.60	<0.60	<0.55	<0.54	<0.54	<0.54	<0.54	<0.54
Fluorene		80	400	<0.75	<0.71	<0.75	<0.79	<0.80	<0.80	<0.74	<0.71	<0.71	<0.71	<0.71	<0.71
Hexachloro-1,3-butadiene		NS	NS	<2.5	<2.3	<2.5	<2.6	<2.6	<2.6	<2.4	<2.3	<2.3	<2.3	<2.3	<2.3
Hexachlorobenzene		0.1	1	<1.7	<1.6	<1.7	<1.8	<1.8	<1.8	<1.7	<1.6	<1.6	<1.6	<1.6	<1.6
Hexachlorocyclopentadiene		NS	NS	<0.68	<0.65	<0.68	<0.71	<0.72	<0.72	<0.67	<0.65	<0.65	<0.65	<0.65	<0.65
Hexachloroethane		NS	NS	<2.7	<2.5	<2.7	<2.8	<2.8	<2.8	<2.6	<2.5	<2.5	<2.5	<2.5	<2.5
Indeno(1,2,3-cd)pyrene		NS	NS	<1.5	<1.4	<1.5	<1.6	<1.6	<1.6	<1.5	<1.4	<1.4	<1.4	<1.4	<1.4
Isophorone		NS	NS	<0.73	<0.70	<0.73	<0.77	<0.78	<0.78	<0.72	<0.70	<0.70	<0.70	<0.70	<0.70
N-Nitroso-di-n-propylamine		NS	NS	<0.97	<0.92	<0.97	<1.0	<1.0	<1.0	<0.95	<0.92	<0.92	<0.92	<0.92	<0.92
N-Nitrosodiphenylamine		0.7	7	<3.5	<3.4	<3.5	<3.7	<3.8	<3.8	<3.5	<3.4	<3.4	<3.4	<3.4	<3.4
Naphthalene		10	100	<1.9	<1.8	<1.9	<2.0	<2.0	<2.0	<1.9	<1.8	<1.8	<1.8	<1.8	<1.8
Nitrobenzene		NS	NS	<1.5	<1.4	<1.5	<1.5	<1.5	<1.5	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Pentachlorophenol		0.1	1	<1.4	<1.4	<1.4	<1.5	<1.5	<1.5	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Phenanthrene		NS	NS	<1.8	<1.7	<1.8	<1.9	<1.9	<1.9	<1.8	<1.7	<1.7	<1.7	<1.7	<1.7
Phenol		400	2,000	<0.60	<0.57	<0.60	<0.63	<0.64	<0.64	<0.59	<0.57	<0.57	<0.57	<0.57	<0.57
Pyrene		50	250	<1.3	<1.3	<1.3	<1.4	<1.4	<1.4	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
bis(2-Chloroethoxy)methane		NS	NS	<1.0	<0.95	<1.0	<1.0	<1.1	<1.1	<0.98	<0.95	<0.95	<0.95	<0.95	<0.95
bis(2-Chloroethyl) ether		NS	NS	<1.6	<1.5	<1.6	<1.7	<1.7	<1.7	<1.6	<1.5	<1.5	<1.5	<1.5	<1.5
bis(2-Ethylhexyl)phthalate		NS	NS	<0.69	<0.66	<0.69	<0.73	<0.74	1.3 J	0.86 J	<0.66	<0.66	1.8 J	<0.66	<0.66

Notes:All units are micrograms per liter ($\mu\text{g}/\text{l}$).

All depths are measured in feet below ground surface (ft bgs).

SVOCs analyzed by USEPA Method 8270.

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit (PAL).**Shaded** Value exceeds Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (ES).

NS No established standard.

NA Not analyzed.

Table A-7

Temporary Well Groundwater Analytical Results - Semi-Volatile Organic Compounds (SVOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-37S	SB-38	SB-41	SB-42	SB-43	SB-44	SB-45	SB-46	SB-47	SB-48	SB-49	SB-50
				5-10'	7-12'	2-12'	6-16'	7-12'	7-12'	7-12'	3-8'	7-12'	11-16'	5-15'	5-15'
				07/27/17	07/27/17	08/02/17	07/31/17	08/01/17	08/01/17	08/02/17	08/02/17	08/01/17	08/01/17	08/02/17	08/02/17
1,2,4-Trichlorobenzene		14	70	<1.9	<38.8	<1.9	NA	NA	NA	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
1,2-Dichlorobenzene		60	600	<1.8	<36.8	<1.8	NA	NA	NA	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
1,3-Dichlorobenzene		120	600	<1.8	<35.9	<1.8	NA	NA	NA	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
1,4-Dichlorobenzene		15	75	<1.8	<35.8	<1.8	NA	NA	NA	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
1-Methylnaphthalene		NS	NS	NA	NA	NA	0.032	<0.0059	0.0099 J	NA	NA	NA	NA	NA	NA
2,2'-Oxybis(1-chloropropane)		NS	NS	<1.5	<29.1	<1.5	NA	NA	NA	<1.5	<1.4	<1.4	<1.5	<1.5	<1.5
2,4,5-Trichlorophenol		12	60	<0.80	<16.0	<0.80	NA	NA	NA	<0.80	<0.79	<0.79	<0.80	<0.80	<0.80
2,4,6-Trichlorophenol		NS	NS	<2.0	<40.2	<2.0	NA	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
2,4-Dichlorophenol		7	70	<1.3	<26.0	<1.3	NA	NA	NA	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
2,4-Dimethylphenol		NS	NS	<1.2	<24.1	<1.2	NA	NA	NA	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
2,4-Dinitrophenol		NS	NS	<0.68	<13.5	<0.68	NA	NA	NA	<0.68	<0.67	<0.67	<0.68	<0.68	<0.68
2,4-Dinitrotoluene		0.005	0.05	<0.75	<15.1	<0.75	NA	NA	NA	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75
2,6-Dinitrotoluene		0.005	0.05	<0.57	<11.5	<0.57	NA	NA	NA	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
2-Chloronaphthalene		NS	NS	<1.6	<31.3	<1.6	NA	NA	NA	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
2-Chlorophenol		NS	NS	<1.1	<22.0	<1.1	NA	NA	NA	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
2-Methylnaphthalene		NS	NS	<1.4	<28.8	<1.4	0.046	<0.0049	<0.0049	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
2-Methylphenol(o-Cresol)		NS	NS	<0.83	<16.5	<0.83	NA	NA	NA	<0.83	<0.82	<0.82	<0.83	<0.83	<0.83
2-Nitroaniline		NS	NS	<0.74	<14.7	<0.74	NA	NA	NA	<0.74	<0.73	<0.73	<0.74	<0.74	<0.74
2-Nitrophenol		NS	NS	<1.1	<22.2	<1.1	NA	NA	NA	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
3&4-Methylphenol(m&p Cresol)		NS	NS	<1.5	<29.7	<1.5	NA	NA	NA	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
3,3'-Dichlorobenzidine		NS	NS	<0.86	<17.2	<0.86	NA	NA	NA	<0.86	<0.85	<0.85	<0.86	<0.86	<0.86
3-Nitroaniline		NS	NS	<0.92	<18.5	<0.92	NA	NA	NA	<0.92	<0.91	<0.91	<0.92	<0.92	<0.92
4,6-Dinitro-2-methylphenol		NS	NS	<0.62	<12.5	<0.62	NA	NA	NA	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62
4-Bromophenylphenyl ether		NS	NS	<1.9	<37.6	<1.9	NA	NA	NA	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
4-Chloro-3-methylphenol		NS	NS	<1.6	<32.1	<1.6	NA	NA	NA	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
4-Chloroaniline		NS	NS	<1.0	<20.9	<1.0	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorophenylphenyl ether		NS	NS	<0.78	<15.6	<0.78	NA	NA	NA	<0.78	<0.77	<0.77	<0.78	<0.78	<0.78
4-Nitroaniline		NS	NS	<1.7	<34.9	<1.7	NA	NA	NA	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
4-Nitrophenol		NS	NS	<1.0	<20.0	<1.0	NA	NA	NA	<1.0	<0.99	<0.99	<1.0	<1.0	<1.0
Acenaphthene		NS	NS	<1.3	<25.5	<1.3	0.0069 J	0.013 J	0.0077 J	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
Acenaphthylene		NS	NS	<1.0	<20.2	<1.0	0.0066 J	<0.0050	<0.0050	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Anthracene		600	3,000	<1.7	<34.4	<1.7	<0.0094	0.012 J	0.047 J	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Benzo(a)anthracene		NS	NS	<0.51	<10.2	<0.51	<0.0068	<0.0076	<0.0076	<0.51	<0.50	<0.50	<0.51	<0.51	<0.51
Benzo(a)pyrene		0.02	0.2	<1.8	<35.9	<1.8	<0.0095	<0.011	0.015 J	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Benzo(b)fluoranthene		0.02	0.2	<0.62	<12.5	<0.62	0.013 J	<0.0057	0.020 J	<0.62	0.64 J	<0.62	<0.62	<0.62	<0.62
Benzo(g,h,i)perylene		NS	NS	<0.77	<15.4	<0.77	0.0097 J	<0.0068	0.019 J	1.1 J	0.81 J	<0.76	<0.77	<0.77	<0.77
Benzo(k)fluoranthene		NS	NS	<0.95	<19.1	<0.95	0.015 J	<0.0076	0.010 J	<0.95	<0.95	<0.95	<0.95	<0.95	<0.95
Butylbenzylphthalate		NS	NS	<0.74	<14.7	<0.74	NA	NA	NA	<0.74	<0.73	<0.73	<0.74	<0.74	<0.74
Carbazole		NS	NS	<0.71	<14.3	<0.71	NA	NA	NA	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71
Chrysene		0.02	0.2	<1.7	<33.1	<1.7	0.030 J	<0.013	0.029 J	<1.7	<1.6	<1.6	<1.7	<1.7	<1.7
Di-n-butylphthalate		NS	NS	<2.4	<48.8	<2.4	NA	NA	NA	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4
Di-n-octylphthalate		NS	NS	<1.8	<36.0	<1.8	NA	NA	NA	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Dibenz(a,h)anthracene		NS	NS	<1.3	<25.2	<1.3	<0.0090	<0.010	<0.010	<1.3	<1.2	<1.2	<1.3	<1.3	<1.3
Dibenzofuran		NS	NS	<0.73	<14.6	<0.73	NA	NA	NA	<0.73	<0.72	<0.72	<0.73	<0.73	<0.73
Diethylphthalate		NS	NS	<1.0	<20.6	<1.0	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dimethylphthalate		NS	NS	<1.8	<36.8	<1.8	NA	NA	NA	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8

Table A-7

Temporary Well Groundwater Analytical Results - Semi-Volatile Organic Compounds (SVOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-37S	SB-38	SB-41	SB-42	SB-43	SB-44	SB-45	SB-46	SB-47	SB-48	SB-49	SB-50
				5-10' 07/27/17	7-12' 07/27/17	2-12' 08/02/17	6-16' 07/31/17	7-12' 08/01/17	7-12' 08/01/17	7-12' 08/02/17	3-8' 08/02/17	7-12' 08/01/17	11-16' 08/01/17	5-15' 08/02/17	5-15' 08/02/17
Fluoranthene		80	400	<0.54	12.3 J	<0.54	0.031 J	0.013 J	0.036 J	<0.54	0.58 J	<0.53	<0.54	<0.54	<0.54
Fluorene		80	400	<0.71	<14.3	<0.71	0.012 J	<0.0080	0.010 J	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71
Hexachloro-1,3-butadiene		NS	NS	<2.3	<46.9	<2.3	NA	NA	NA	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3
Hexachlorobenzene		0.1	1	<1.6	<32.3	<1.6	NA	NA	NA	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
Hexachlorocyclopentadiene		NS	NS	<0.65	<12.9	<0.65	NA	NA	NA	<0.65	<0.64	<0.64	<0.65	<0.65	<0.65
Hexachloroethane		NS	NS	<2.5	<50.7	<2.5	NA	NA	NA	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Indeno(1,2,3-cd)pyrene		NS	NS	<1.4	<28.5	<1.4	<0.016	<0.018	<0.018	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Isophorone		NS	NS	<0.70	<14.0	<0.70	NA	NA	NA	<0.70	<0.69	<0.69	<0.70	<0.70	<0.70
N-Nitroso-di-n-propylamine		NS	NS	<0.92	<18.5	<0.92	NA	NA	NA	<0.92	<0.92	<0.92	<0.92	<0.92	<0.92
N-Nitrosodiphenylamine		0.7	7	<3.4	<67.2	<3.4	NA	NA	NA	<3.4	<3.3	<3.3	<3.4	<3.4	<3.4
Naphthalene		10	100	<1.8	<36.2	<1.8	0.042 J	0.026 J	0.031 J	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Nitrobenzene		NS	NS	<1.4	<27.6	<1.4	NA	NA	NA	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Pentachlorophenol		0.1	1	<1.4	<27.3	<1.4	NA	NA	NA	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Phenanthrene		NS	NS	<1.7	<34.7	<1.7	0.034 J	0.035 J	0.064 J	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Phenol		400	2,000	<0.57	<11.4	<0.57	NA*	NA*	NA*	<0.57	<0.57	<0.57	<0.57	<0.57	<0.57
Pyrene		50	250	<1.3	<25.7	<1.3	0.043	0.015 J	0.038 J	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
bis(2-Chloroethoxy)methane		NS	NS	<0.95	<19.0	<0.95	NA	NA	NA	<0.95	<0.94	<0.94	<0.95	<0.95	<0.95
bis(2-Chloroethyl) ether		NS	NS	<1.5	<30.1	<1.5	NA	NA	NA	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
bis(2-Ethylhexyl)phthalate		NS	NS	1.8 J	<13.2	1.5 J	NA	NA	NA	0.82 J	<0.65	<0.65	2.1 J	<0.66	<0.66

Notes:

All units are micrograms per liter (µg/l).

All depths are measured in feet below ground surface (ft bgs).

SVOCs analyzed by USEPA Method 8270.

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit (PAL).**Shaded** Value exceeds Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (ES).

NS No established standard.

NA Not analyzed.

Table A-7

Temporary Well Groundwater Analytical Results - Semi-Volatile Organic Compounds (SVOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-51	SB-52	SB-53	SB-54	SB-55	SB-56	SB-57	SB-58	SB-59	SB-60	SB-61	SB-62
				0-5'	3-8'	0-3'	6-16'	6-16'	5-15'	2-12'	4-14'	3-13'	9-19'	9-19'	10-20'
				08/02/17	07/28/17	07/27/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17
1,2,4-Trichlorobenzene		14	70	<1.9	NA	<1.9	<2.2	<2.2	<2.2	<2.2	<2.2	<22.1	<2.2	<4.4	<2.2
1,2-Dichlorobenzene		60	600	<1.8	NA	<1.8	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<1.0	<0.50
1,3-Dichlorobenzene		120	600	<1.8	NA	<1.8	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<1.0	<0.50
1,4-Dichlorobenzene		15	75	<1.8	NA	<1.8	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<1.0	<0.50
1-Methylnaphthalene		NS	NS	NA	<0.0057	NA	0.24	1.6	0.025 J	0.014 J	0.012 J	41.6	0.38	0.026 J	0.020 J
2,2'-Oxybis(1-chloropropane)		NS	NS	<1.5	NA	<1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol		12	60	<0.80	NA	<0.80	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol		NS	NS	<2.0	NA	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol		7	70	<1.3	NA	<1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol		NS	NS	<1.2	NA	<1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol		NS	NS	<0.68	NA	<0.68	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene		0.005	0.05	<0.75	NA	<0.75	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene		0.005	0.05	<0.57	NA	<0.57	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene		NS	NS	<1.6	NA	<1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol		NS	NS	<1.1	NA	<1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene		NS	NS	<1.4	<0.0047	<1.4	0.26	2.1	0.032	0.014 J	0.014 J	74.5	0.21	0.014 J	0.013 J
2-Methylphenol(o-Cresol)		NS	NS	<0.83	NA	<0.83	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline		NS	NS	<0.74	NA	<0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol		NS	NS	<1.1	NA	<1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-Methylphenol(m&p Cresol)		NS	NS	<1.5	NA	<1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine		NS	NS	<0.86	NA	<0.86	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline		NS	NS	<0.92	NA	<0.92	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol		NS	NS	<0.62	NA	<0.62	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenylphenyl ether		NS	NS	<1.9	NA	<1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol		NS	NS	<1.6	NA	<1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline		NS	NS	<1.0	NA	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenylphenyl ether		NS	NS	<0.78	NA	<0.78	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline		NS	NS	<1.7	NA	<1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol		NS	NS	<1.0	NA	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene		NS	NS	<1.3	0.014 J	<1.3	0.28	0.016 J	0.049	0.023 J	0.013 J	0.21 J	0.032	0.022 J	0.023 J
Acenaphthylene		NS	NS	<1.0	<0.0048	<1.0	0.021 J	<0.0049	<0.0047	<0.0048	<0.0047	<0.14	<0.0047	<0.0047	<0.0048
Anthracene		600	3,000	<1.7	<0.010	<1.7	0.21	<0.010	<0.0098	<0.010	<0.0099	<0.29	<0.0098	0.014 J	0.019 J
Benzo(a)anthracene		NS	NS	<0.51	0.26	<0.51	0.094	0.018 J	0.011 J	0.023 J	<0.0071	<0.21	0.0076 J	0.0074 J	0.011 J
Benzo(a)pyrene		0.02	0.2	<1.8	0.39	<1.8	0.085	0.012 J	<0.0098	0.019 J	<0.0099	<0.29	<0.0098	<0.010	<0.010
Benzo(b)fluoranthene		0.02	0.2	<0.62	0.45	<0.62	0.11	0.016 J	0.0090 J	0.023 J	<0.0054	<0.16	<0.0054	<0.0055	<0.0056
Benzo(g,h,i)perylene		NS	NS	<0.77	0.27	<0.77	0.044	0.010 J	<0.0063	0.013 J	<0.0064	<0.19	<0.0063	<0.0065	<0.0066
Benzo(k)fluoranthene		NS	NS	<0.95	0.24	<0.95	0.044	<0.0075	<0.0071	0.011 J	<0.0071	<0.21	<0.0071	<0.0072	<0.0073
Butylbenzylphthalate		NS	NS	<0.74	NA	<0.74	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole		NS	NS	<0.71	NA	<0.71	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene		0.02	0.2	<1.7	0.48	<1.7	0.091	0.015 J	<0.012	0.021 J	<0.012	<0.36	<0.012	<0.012	<0.013
Di-n-butylphthalate		NS	NS	<2.4	NA	<2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octylphthalate		NS	NS	<1.8	NA	<1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene		NS	NS	<1.3	0.045 J	<1.3	0.015 J	<0.0099	<0.0094	<0.0096	<0.0095	<0.28	<0.0094	<0.0095	<0.0097
Dibenzofuran		NS	NS	<0.73	NA	<0.73	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate		NS	NS	<1.0	NA	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate		NS	NS	<1.8	NA	<1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7

Temporary Well Groundwater Analytical Results - Semi-Volatile Organic Compounds (SVOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-51	SB-52	SB-53	SB-54	SB-55	SB-56	SB-57	SB-58	SB-59	SB-60	SB-61	SB-62
				0-5'	3-8'	0-3'	6-16'	6-16'	5-15'	2-12'	4-14'	3-13'	9-19'	9-19'	10-20'
				08/02/17	07/28/17	07/27/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17
Fluoranthene		80	400	<0.54	0.61	<0.54	0.30	0.034 J	0.028 J	0.038 J	0.012 J	<0.30	0.017 J	0.020 J	0.032 J
Fluorene		80	400	<0.71	0.012 J	<0.71	0.41	0.011 J	0.016 J	0.010 J	<0.0075	<0.22	0.013 J	0.013 J	0.022 J
Hexachloro-1,3-butadiene		NS	NS	<2.3	NA	<2.3	<2.1	<2.1	<2.1	<2.1	<2.1	<21.1	<2.1	<4.2	<2.1
Hexachlorobenzene		0.1	1	<1.6	NA	<1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene		NS	NS	<0.65	NA	<0.65	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane		NS	NS	<2.5	NA	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene		NS	NS	<1.4	0.20	<1.4	0.050 J	<0.017	<0.016	<0.017	<0.017	<0.49	<0.016	<0.017	<0.017
Isophorone		NS	NS	<0.70	NA	<0.70	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine		NS	NS	<0.92	NA	<0.92	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine		0.7	7	<3.4	NA	<3.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene		10	100	<1.8	<0.018	<1.8	2.6 J	32.8	<2.5	<2.5	<2.5	486	2.6 J	<5.0	<2.5
Nitrobenzene		NS	NS	<1.4	NA	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol		0.1	1	<1.4	NA	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene		NS	NS	<1.7	0.21	<1.7	0.75	0.034 J	0.038 J	0.033 J	0.024 J	<0.38	0.020 J	0.027 J	0.094
Phenol		400	2,000	<0.57	NA	<0.57	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene		50	250	<1.3	0.55	<1.3	0.23	0.032 J	0.022 J	0.041	0.0082 J	<0.21	0.013 J	0.082	0.12
bis(2-Chloroethoxy)methane		NS	NS	<0.95	NA	<0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl) ether		NS	NS	<1.5	NA	<1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate		NS	NS	<0.66	NA	<0.66	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

All units are micrograms per liter (µg/l).

All depths are measured in feet below ground surface (ft bgs).

SVOCs analyzed by USEPA Method 8270.

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit (PAL).**Shaded** Value exceeds Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (ES).

NS No established standard.

NA Not analyzed.

Table A-7

Temporary Well Groundwater Analytical Results - Semi-Volatile Organic Compounds (SVOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-63	SB-64	SB-65	SB-66D	SB-66S	SB-67	SB-68D	SB-68S	SB-69
				8-18'	3-13'	3-13'	17-22'	3-8'	17-22'	17-22'	3-8'	3-8'
				09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17
1,2,4-Trichlorobenzene		14	70	<2.2	<2.2	<2.2	<110	<2.2	<2.2	<2.2	<2.2	<2.2
1,2-Dichlorobenzene		60	600	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene		120	600	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene		15	75	<0.50	<0.50	<0.50	<25.0	<0.50	<0.50	<0.50	<0.50	<0.50
1-Methylnaphthalene		NS	NS	0.014 J	NA	NA	NA	NA	NA	NA	NA	NA
2,2'-Oxybis(1-chloropropane)		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol		12	60	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol		7	70	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene		0.005	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene		0.005	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene		NS	NS	0.0092 J	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol(o-Cresol)		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
3&4-Methylphenol(m&p Cresol)		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenylphenyl ether		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenylphenyl ether		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene		NS	NS	0.0082 J	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene		NS	NS	<0.0048	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene		600	3,000	<0.010	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene		NS	NS	<0.0073	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene		0.02	0.2	<0.010	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene		0.02	0.2	<0.0056	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene		NS	NS	<0.0066	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene		NS	NS	<0.0073	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene		0.02	0.2	<0.013	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octylphthalate		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene		NS	NS	<0.0097	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table A-7

Temporary Well Groundwater Analytical Results - Semi-Volatile Organic Compounds (SVOCs), 910 Mayer Avenue, Madison, Wisconsin.

Parameter	Sample ID (Depth) Sample Date	Ch. NR 140 PAL	Ch. NR 140 ES	SB-63	SB-64	SB-65	SB-66D	SB-66S	SB-67	SB-68D	SB-68S	SB-69
				8-18'	3-13'	3-13'	17-22'	3-8'	17-22'	17-22'	3-8'	3-8'
				09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17
Fluoranthene		80	400	<0.010	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene		80	400	<0.0077	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene		NS	NS	<2.1	<2.1	<2.1	<105	<2.1	<2.1	<2.1	<2.1	<2.1
Hexachlorobenzene		0.1	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene		NS	NS	<0.017	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine		0.7	7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene		10	100	<2.5	<2.5	<2.5	<125	<2.5	<2.5	<2.5	<2.5	3.0 J
Nitrobenzene		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol		0.1	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene		NS	NS	<0.013	NA	NA	NA	NA	NA	NA	NA	NA
Phenol		400	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene		50	250	<0.0074	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl) ether		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate		NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:All units are micrograms per liter ($\mu\text{g}/\text{l}$).

All depths are measured in feet below ground surface (ft bgs).

SVOCs analyzed by USEPA Method 8270.

Bold Value exceeds laboratory detection limit (DL).*Italic* Value exceeds Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit (PAL).**Shaded** Value exceeds Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (ES).

NS No established standard.

NA Not analyzed.

Table A-8
 Temporary Well Groundwater Analytical Results - Metals, 910 Mayer Avenue Madison, Wisconsin.

Parameter	Ch. NR 140 PAL	Ch. NR 140 ES	SB-3	SB-4	SB-5	SB-8	SB-9	SB-10	SB-11	SB-12	SB-13	SB-14	SB-15	SB-17	SB-18	SB-19	SB-20	SB-21	SB-22	SB-23	SB-24
			3-13' 07/31/17	7-12' 07/31/17	3-8' 07/31/17	5-15' 08/01/17	3-13' 08/02/17	3-8' 07/28/17	3-8' 07/31/17	3-8' 08/02/17	3-8' 07/28/17	3-8' 07/28/17	3-8' 08/02/17	3-8' 07/28/17	3-8' 08/02/17	5-15' 07/31/17	5-15' 07/28/17	3-8' 07/31/17	7-12' 07/31/17	5-15' 07/31/17	6-16' 07/31/17
Arsenic	1	10	NA	NA	NA	NA	NA	NA	NA	81.2	NA	29.6	8.4 J	40.9	NA	13.5 J	11.3 J	21.4 J	NA	85.0	31.0
Barium	400	2,000	NA	NA	NA	NA	NA	NA	NA	174	NA	213	124	501	NA	432	164	226	NA	1,070	490
Cadmium	0.5	5	NA	NA	NA	NA	NA	NA	NA	<1.3	NA	<1.3	<1.3	<1.3	NA	<1.3	<1.3	2.6 J	NA	<1.3	<1.3
Chromium (total)	10	100	NA	NA	NA	NA	NA	NA	NA	<2.5	NA	19.5	7.3 J	37.6	NA	35.5	6.8 J	40.5	NA	79.1	108
Lead	1.5	15	370	123	29.8	76.4	441	70.7	54.9	6.9 J	67.6	26.9	11.5 J	25.5	2,670	226	<4.3	50.8	157	41.1	34.8
Selenium	10	50	NA	NA	NA	NA	NA	NA	NA	<16.6	NA	<16.6	<16.6	<16.6	NA	<16.6	<16.6	<16.6	NA	<16.6	<16.6
Silver	10	50	NA	NA	NA	NA	NA	NA	NA	<3.3	NA	<3.3	<3.3	<3.3	NA	<3.3	<3.3	<3.3	NA	<3.3	<3.3
Mercury	0.2	2	NA	NA	NA	NA	NA	NA	NA	<0.13	NA	<0.13	<0.13	<0.13	NA	<0.13	<0.13	<0.13	NA	<0.13	<0.13

Notes:

- All units are micrograms per liter (µg/l).
- All depths are measured in feet below ground surface (ft bgs).
- Metals analyzed by USEPA Method 6010 (Mercury by EPA Method 7470).
- Bold** Value exceeds laboratory detection limit (DL).
- Italic* Value exceeds Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit (PAL).
- Shaded** Value exceeds Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (ES).
- NS No established standard.
- NA Not analyzed.

Table A-8
 Temporary Well Groundwater Analytical Results - Metals, 910 Mayer Avenue Madison, Wisconsin.

Parameter	Ch. NR 140 PAL	Ch. NR 140 ES	SB-25	SB-26	SB-27D	SB-27S	SB-28	SB-29	SB-30	SB-31D	SB-31S	SB-32	SB-33	SB-34	SB-35	SB-36D	SB-36S	SB-37D	SB-37S	SB-38	SB-41	
			10-20'	0-5'	20-30'	5-10'	11-16'	3-8'	15-20'	25-30'	7-12'	9.5-14.5'	3-8'	7-12'	11-16'	18-28'	3-8'	20-30'	5-10'	7-12'	2-12'	
			08/01/17	07/26/17	07/27/17	07/26/17	07/28/17	07/26/17	07/26/17	07/26/17	07/26/17	07/26/17	07/28/17	07/27/17	07/27/17	07/27/17	07/27/17	07/27/17	07/27/17	07/27/17	07/27/17	08/02/17
Arsenic	1	10	21.5 J	49.9	19.3 J	9.3 J	<8.3	<8.3	<8.3	143	155	<8.3	<8.3	<8.3	35.3	25.8	36.2	19.8 J	17.6 J	51.5	23.3 J	
Barium	400	2,000	473	1,290	298	407	320	343	92.4	1,920	1,360	300	340	125	362	316	288	124	93.4	279	322	
Cadmium	0.5	5	<1.3	21.8	<1.3	2.2 J	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	1.9 J	
Chromium (total)	10	100	33.6	117	67.0	26.1	9.8 J	11.8	9.1 J	372	229	67.2	14.2	7.0 J	15.6	64.0	58.0	180	5.4 J	3.2 J	122	
Lead	1.5	15	14.4	1,390	117	259	8.9 J	271	<4.3	148	89.2	30.7	11.2 J	<4.3	20.5	38.8	21.6	29.8	7.5 J	<4.3	121	
Selenium	10	50	<16.6	<16.6	<16.6	<16.6	<16.6	<16.6	<16.6	<16.6	<16.6	<16.6	<16.6	<16.6	<16.6	<16.6	<16.6	<16.6	<16.6	<16.6	<16.6	
Silver	10	50	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	
Mercury	0.2	2	<0.13	2.1	<0.13	0.65	<0.13	<0.13	<0.13	0.34 J	0.18 J	<0.13	<0.13	<0.13	<0.13	<0.13	0.18 J	<0.13	<0.13	<0.13	<0.13	

Notes:

All units are micrograms per liter (µg/l).

All depths are measured in feet below ground surface (ft bgs).

Metals analyzed by USEPA Method 6010 (Mercury by EPA Method 7470).

- Bold** Value exceeds laboratory detection limit (DL).
- Italic* Value exceeds Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit (PAL).
- Shaded** Value exceeds Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (ES).
- NS No established standard.
- NA Not analyzed.

Table A-8
 Temporary Well Groundwater Analytical Results - Metals, 910 Mayer Avenue Madison, Wisconsin.

Parameter	Ch. NR 140 PAL	Ch. NR 140 ES	SB-42	SB-43	SB-44	SB-45	SB-46	SB-47	SB-48	SB-49	SB-50	SB-51	SB-52	SB-53	SB-54	SB-55	SB-56	SB-57	SB-58	SB-59	SB-60
			6-16' 07/31/17	7-12' 08/01/17	7-12' 08/01/17	7-12' 08/02/17	3-8' 08/02/17	7-12' 08/01/17	11-16' 08/01/17	5-15' 08/02/17	5-15' 08/02/17	0-5' 08/02/17	3-8' 07/28/17	0-3' 07/27/17	6-16' 09/11/17	6-16' 09/11/17	5-15' 09/11/17	2-12' 09/11/17	4-14' 09/11/17	3-13' 09/11/17	9-19' 09/11/17
Arsenic	1	10	NA	NA	NA	22.5 J	<8.3	20.1 J	25.8	24.6 J	19.8 J	<8.3	NA	<8.3	NA	NA	NA	NA	NA	NA	NA
Barium	400	2,000	NA	NA	NA	2,100	175	389	239	434	455	49.0	NA	155	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.5	5	NA	NA	NA	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	NA	<1.3	NA	NA	NA	NA	NA	NA	NA
Chromium (total)	10	100	NA	NA	NA	27.4	9.0 J	8.4 J	61.5	180	151	<2.5	NA	4.8 J	NA	NA	NA	NA	NA	NA	NA
Lead	1.5	15	<4.3	14.3	<4.3	53.6	38.2	10.8 J	44.7	51.7	39.0	<4.3	18.9	<4.3	1,140	956	19.7	154	130	163	358
Selenium	10	50	NA	NA	NA	<16.6	<16.6	<16.6	<16.6	<16.6	<16.6	<16.6	NA	<16.6	NA	NA	NA	NA	NA	NA	NA
Silver	10	50	NA	NA	NA	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	NA	<3.3	NA	NA	NA	NA	NA	NA	NA
Mercury	0.2	2	NA	NA	NA	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	NA	<0.13	NA	NA	NA	NA	NA	NA	NA

Notes:
 All units are micrograms per liter (µg/l).
 All depths are measured in feet below ground surface (ft bgs).
 Metals analyzed by USEPA Method 6010 (Mercury by EPA Method 7470).
Bold Value exceeds laboratory detection limit (DL).
Italic Value exceeds Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit (PAL).
 Shaded Value exceeds Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (ES).
 NS No established standard.
 NA Not analyzed.

Table A-8
 Temporary Well Groundwater Analytical Results - Metals, 910 Mayer Avenue Madison, Wisconsin.

Parameter	Ch. NR 140 PAL	Ch. NR 140 ES	SB-61	SB-62	SB-63	SB-64	SB-65	SB-66D	SB-66S	SB-67	SB-68D	SB-68S	SB-69	SB-15D
			9-19'	10-20'	8-18'	3-13'	3-13'	17-22'	3-8'	17-22'	17-22'	3-8'	3-8'	15-20'
			09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17	09/11/17
Arsenic	1	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	400	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium (total)	10	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	1.5	15	219	479	495	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	10	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.2	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

All units are micrograms per liter (µg/l).

All depths are measured in feet below ground surface (ft bgs).

Metals analyzed by USEPA Method 6010 (Mercury by EPA Method 7470).

Bold Value exceeds laboratory detection limit (DL).

Italic Value exceeds Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit (PAL).

Shaded Value exceeds Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (ES).

NS No established standard.

NA Not analyzed.

***APPENDIX B ERM PHASE II ESA LABORATORY
REPORTS (OCTOBER 2017)***

August 08, 2017

Andrew DeWitt
ERM
3352 128th. Ave.
Holland, MI 49424

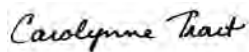
RE: Project: 0403363 Kraft Heinz Foods Co
Pace Project No.: 10398363

Dear Andrew DeWitt:

Enclosed are the analytical results for sample(s) received by the laboratory on August 05, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Carolynne Trout
carolynne.trout@pacelabs.com
1(612)607-6351
Project Manager

Enclosures

cc: Stephen Hoekwater, ERM



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

Minnesota Certification IDs

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: UST-078

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas Certification #: 88-0680

California Certification #: MN00064

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming Certification #: via MN 027-053-137

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: MN00064

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon NwTPH Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DW Certification #: 9952 C

West Virginia DEP Certification #: 382

Wisconsin Certification #: 999407970

Wyoming via EPA Region 8 Certification #: 8TMS-L

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10398363001	VP-10	Air	08/02/17 09:34	08/05/17 09:05
10398363002	VP-9	Air	08/02/17 10:07	08/05/17 09:05
10398363003	VP-7	Air	08/02/17 10:56	08/05/17 09:05
10398363004	VP-8	Air	08/02/17 12:08	08/05/17 09:05
10398363005	VP-2	Air	08/02/17 12:44	08/05/17 09:05
10398363006	VP-3	Air	08/02/17 13:11	08/05/17 09:05
10398363007	VP-4	Air	08/02/17 14:53	08/05/17 09:05
10398363008	VP-5	Air	08/02/17 15:28	08/05/17 09:05
10398363009	VP-1	Air	08/02/17 16:04	08/05/17 09:05
10398363010	VP-6	Air	08/02/17 16:35	08/05/17 09:05

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10398363001	VP-10	TO-15	MJL	61	PASI-M
10398363002	VP-9	TO-15	MJL	61	PASI-M
10398363003	VP-7	TO-15	MJL	61	PASI-M
10398363004	VP-8	TO-15	MJL	61	PASI-M
10398363005	VP-2	TO-15	MJL	61	PASI-M
10398363006	VP-3	TO-15	MJL	61	PASI-M
10398363007	VP-4	TO-15	MJL	61	PASI-M
10398363008	VP-5	TO-15	MJL	61	PASI-M
10398363009	VP-1	TO-15	MJL	61	PASI-M
10398363010	VP-6	TO-15	MJL	61	PASI-M

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

Sample: VP-10 **Lab ID: 10398363001** Collected: 08/02/17 09:34 Received: 08/05/17 09:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	120	ug/m3	4.3	0.54	1.8		08/07/17 13:57	67-64-1	
Benzene	2.6	ug/m3	0.58	0.072	1.8		08/07/17 13:57	71-43-2	
Benzyl chloride	<0.081	ug/m3	1.9	0.081	1.8		08/07/17 13:57	100-44-7	
Bromodichloromethane	<0.060	ug/m3	2.4	0.060	1.8		08/07/17 13:57	75-27-4	
Bromoform	<0.070	ug/m3	3.8	0.070	1.8		08/07/17 13:57	75-25-2	
Bromomethane	<0.095	ug/m3	1.4	0.095	1.8		08/07/17 13:57	74-83-9	
1,3-Butadiene	<0.083	ug/m3	0.81	0.083	1.8		08/07/17 13:57	106-99-0	
2-Butanone (MEK)	107	ug/m3	5.4	0.12	1.8		08/07/17 13:57	78-93-3	
Carbon disulfide	22.1	ug/m3	1.1	0.056	1.8		08/07/17 13:57	75-15-0	
Carbon tetrachloride	<0.083	ug/m3	1.2	0.083	1.8		08/07/17 13:57	56-23-5	
Chlorobenzene	<0.069	ug/m3	1.7	0.069	1.8		08/07/17 13:57	108-90-7	
Chloroethane	<0.14	ug/m3	0.97	0.14	1.8		08/07/17 13:57	75-00-3	
Chloroform	9.8	ug/m3	0.89	0.075	1.8		08/07/17 13:57	67-66-3	
Chloromethane	0.97	ug/m3	0.76	0.091	1.8		08/07/17 13:57	74-87-3	
Cyclohexane	3.2	ug/m3	1.3	0.080	1.8		08/07/17 13:57	110-82-7	
Dibromochloromethane	<0.068	ug/m3	3.1	0.068	1.8		08/07/17 13:57	124-48-1	
1,2-Dibromoethane (EDB)	<0.068	ug/m3	2.8	0.068	1.8		08/07/17 13:57	106-93-4	
1,2-Dichlorobenzene	<0.055	ug/m3	2.2	0.055	1.8		08/07/17 13:57	95-50-1	
1,3-Dichlorobenzene	<0.042	ug/m3	2.2	0.042	1.8		08/07/17 13:57	541-73-1	
1,4-Dichlorobenzene	<0.060	ug/m3	2.2	0.060	1.8		08/07/17 13:57	106-46-7	
Dichlorodifluoromethane	1.5J	ug/m3	1.8	0.15	1.8		08/07/17 13:57	75-71-8	
1,1-Dichloroethane	<0.093	ug/m3	1.5	0.093	1.8		08/07/17 13:57	75-34-3	
1,2-Dichloroethane	<0.082	ug/m3	0.74	0.082	1.8		08/07/17 13:57	107-06-2	
1,1-Dichloroethene	<0.11	ug/m3	1.5	0.11	1.8		08/07/17 13:57	75-35-4	
cis-1,2-Dichloroethene	<0.097	ug/m3	1.5	0.097	1.8		08/07/17 13:57	156-59-2	
trans-1,2-Dichloroethene	<0.087	ug/m3	1.5	0.087	1.8		08/07/17 13:57	156-60-5	
1,2-Dichloropropane	<0.085	ug/m3	1.7	0.085	1.8		08/07/17 13:57	78-87-5	
cis-1,3-Dichloropropene	<0.034	ug/m3	1.7	0.034	1.8		08/07/17 13:57	10061-01-5	
trans-1,3-Dichloropropene	<0.055	ug/m3	1.7	0.055	1.8		08/07/17 13:57	10061-02-6	
Dichlorotetrafluoroethane	<0.11	ug/m3	2.6	0.11	1.8		08/07/17 13:57	76-14-2	
Ethanol	44.0	ug/m3	1.7	0.44	1.8		08/07/17 13:57	64-17-5	
Ethyl acetate	<0.083	ug/m3	1.3	0.083	1.8		08/07/17 13:57	141-78-6	
Ethylbenzene	6.9	ug/m3	1.6	0.070	1.8		08/07/17 13:57	100-41-4	
4-Ethyltoluene	3.5	ug/m3	1.8	0.054	1.8		08/07/17 13:57	622-96-8	
n-Heptane	6.5	ug/m3	1.5	0.091	1.8		08/07/17 13:57	142-82-5	
Hexachloro-1,3-butadiene	<0.068	ug/m3	9.8	0.068	1.8		08/07/17 13:57	87-68-3	
n-Hexane	3.3	ug/m3	1.3	0.075	1.8		08/07/17 13:57	110-54-3	
2-Hexanone	14.3	ug/m3	7.5	0.097	1.8		08/07/17 13:57	591-78-6	
Methylene Chloride	6.3J	ug/m3	6.4	0.78	1.8		08/07/17 13:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	4.6J	ug/m3	7.5	0.10	1.8		08/07/17 13:57	108-10-1	
Methyl-tert-butyl ether	<0.15	ug/m3	6.6	0.15	1.8		08/07/17 13:57	1634-04-4	
Naphthalene	<0.20	ug/m3	4.8	0.20	1.8		08/07/17 13:57	91-20-3	
2-Propanol	19.6	ug/m3	4.5	0.25	1.8		08/07/17 13:57	67-63-0	
Propylene	<0.11	ug/m3	0.63	0.11	1.8		08/07/17 13:57	115-07-1	
Styrene	<0.057	ug/m3	1.6	0.057	1.8		08/07/17 13:57	100-42-5	
1,1,2,2-Tetrachloroethane	<0.068	ug/m3	1.3	0.068	1.8		08/07/17 13:57	79-34-5	

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ANALYTICAL RESULTS

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

Sample: VP-10 **Lab ID: 10398363001** Collected: 08/02/17 09:34 Received: 08/05/17 09:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Tetrachloroethene	5550	ug/m3	97.4	5.9	141.3		08/08/17 13:25	127-18-4	
Tetrahydrofuran	21.6	ug/m3	1.1	0.063	1.8		08/07/17 13:57	109-99-9	
Toluene	12.0	ug/m3	1.4	0.070	1.8		08/07/17 13:57	108-88-3	
1,2,4-Trichlorobenzene	<0.23	ug/m3	6.8	0.23	1.8		08/07/17 13:57	120-82-1	
1,1,1-Trichloroethane	73.6	ug/m3	2.0	0.11	1.8		08/07/17 13:57	71-55-6	
1,1,2-Trichloroethane	<0.073	ug/m3	0.99	0.073	1.8		08/07/17 13:57	79-00-5	
Trichloroethene	89.9	ug/m3	0.99	0.067	1.8		08/07/17 13:57	79-01-6	
Trichlorofluoromethane	170	ug/m3	2.1	0.13	1.8		08/07/17 13:57	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.083	ug/m3	2.9	0.083	1.8		08/07/17 13:57	76-13-1	
1,2,4-Trimethylbenzene	16.2	ug/m3	1.8	0.062	1.8		08/07/17 13:57	95-63-6	
1,3,5-Trimethylbenzene	5.2	ug/m3	1.8	0.085	1.8		08/07/17 13:57	108-67-8	
Vinyl acetate	1.4	ug/m3	1.3	0.065	1.8		08/07/17 13:57	108-05-4	
Vinyl chloride	<0.087	ug/m3	0.47	0.087	1.8		08/07/17 13:57	75-01-4	
m&p-Xylene	16.1	ug/m3	3.2	0.14	1.8		08/07/17 13:57	179601-23-1	
o-Xylene	7.2	ug/m3	1.6	0.072	1.8		08/07/17 13:57	95-47-6	

Sample: VP-9 **Lab ID: 10398363002** Collected: 08/02/17 10:07 Received: 08/05/17 09:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	56.0	ug/m3	4.2	0.52	1.74		08/07/17 14:32	67-64-1	
Benzene	2.4	ug/m3	0.57	0.069	1.74		08/07/17 14:32	71-43-2	
Benzyl chloride	<0.078	ug/m3	1.8	0.078	1.74		08/07/17 14:32	100-44-7	
Bromodichloromethane	<0.058	ug/m3	2.4	0.058	1.74		08/07/17 14:32	75-27-4	
Bromoform	<0.068	ug/m3	3.7	0.068	1.74		08/07/17 14:32	75-25-2	
Bromomethane	<0.092	ug/m3	1.4	0.092	1.74		08/07/17 14:32	74-83-9	
1,3-Butadiene	<0.080	ug/m3	0.78	0.080	1.74		08/07/17 14:32	106-99-0	
2-Butanone (MEK)	70.7	ug/m3	5.2	0.12	1.74		08/07/17 14:32	78-93-3	
Carbon disulfide	6.3	ug/m3	1.1	0.054	1.74		08/07/17 14:32	75-15-0	
Carbon tetrachloride	<0.080	ug/m3	1.1	0.080	1.74		08/07/17 14:32	56-23-5	
Chlorobenzene	<0.066	ug/m3	1.6	0.066	1.74		08/07/17 14:32	108-90-7	
Chloroethane	<0.13	ug/m3	0.94	0.13	1.74		08/07/17 14:32	75-00-3	
Chloroform	0.52J	ug/m3	0.86	0.073	1.74		08/07/17 14:32	67-66-3	
Chloromethane	<0.088	ug/m3	0.73	0.088	1.74		08/07/17 14:32	74-87-3	
Cyclohexane	4.5	ug/m3	1.2	0.077	1.74		08/07/17 14:32	110-82-7	
Dibromochloromethane	<0.066	ug/m3	3.0	0.066	1.74		08/07/17 14:32	124-48-1	
1,2-Dibromoethane (EDB)	<0.066	ug/m3	2.7	0.066	1.74		08/07/17 14:32	106-93-4	
1,2-Dichlorobenzene	<0.053	ug/m3	2.1	0.053	1.74		08/07/17 14:32	95-50-1	
1,3-Dichlorobenzene	<0.041	ug/m3	2.1	0.041	1.74		08/07/17 14:32	541-73-1	
1,4-Dichlorobenzene	<0.058	ug/m3	2.1	0.058	1.74		08/07/17 14:32	106-46-7	
Dichlorodifluoromethane	4.6	ug/m3	1.8	0.14	1.74		08/07/17 14:32	75-71-8	
1,1-Dichloroethane	<0.090	ug/m3	1.4	0.090	1.74		08/07/17 14:32	75-34-3	
1,2-Dichloroethane	<0.080	ug/m3	0.71	0.080	1.74		08/07/17 14:32	107-06-2	

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ANALYTICAL RESULTS

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

Sample: VP-9 **Lab ID: 10398363002** Collected: 08/02/17 10:07 Received: 08/05/17 09:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
1,1-Dichloroethene	<0.10	ug/m3	1.4	0.10	1.74		08/07/17 14:32	75-35-4	
cis-1,2-Dichloroethene	<0.093	ug/m3	1.4	0.093	1.74		08/07/17 14:32	156-59-2	
trans-1,2-Dichloroethene	<0.084	ug/m3	1.4	0.084	1.74		08/07/17 14:32	156-60-5	
1,2-Dichloropropane	<0.082	ug/m3	1.6	0.082	1.74		08/07/17 14:32	78-87-5	
cis-1,3-Dichloropropene	<0.033	ug/m3	1.6	0.033	1.74		08/07/17 14:32	10061-01-5	
trans-1,3-Dichloropropene	<0.053	ug/m3	1.6	0.053	1.74		08/07/17 14:32	10061-02-6	
Dichlorotetrafluoroethane	<0.11	ug/m3	2.5	0.11	1.74		08/07/17 14:32	76-14-2	
Ethanol	45.8	ug/m3	1.7	0.42	1.74		08/07/17 14:32	64-17-5	
Ethyl acetate	<0.080	ug/m3	1.3	0.080	1.74		08/07/17 14:32	141-78-6	
Ethylbenzene	27.0	ug/m3	1.5	0.068	1.74		08/07/17 14:32	100-41-4	
4-Ethyltoluene	6.7	ug/m3	1.7	0.052	1.74		08/07/17 14:32	622-96-8	
n-Heptane	8.9	ug/m3	1.4	0.088	1.74		08/07/17 14:32	142-82-5	
Hexachloro-1,3-butadiene	<0.066	ug/m3	9.4	0.066	1.74		08/07/17 14:32	87-68-3	
n-Hexane	2.9	ug/m3	1.3	0.073	1.74		08/07/17 14:32	110-54-3	
2-Hexanone	8.2	ug/m3	7.2	0.094	1.74		08/07/17 14:32	591-78-6	
Methylene Chloride	6.2	ug/m3	6.1	0.75	1.74		08/07/17 14:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	1.8J	ug/m3	7.2	0.10	1.74		08/07/17 14:32	108-10-1	
Methyl-tert-butyl ether	<0.15	ug/m3	6.4	0.15	1.74		08/07/17 14:32	1634-04-4	
Naphthalene	1.6J	ug/m3	4.6	0.19	1.74		08/07/17 14:32	91-20-3	
2-Propanol	9.0	ug/m3	4.4	0.24	1.74		08/07/17 14:32	67-63-0	
Propylene	<0.11	ug/m3	0.61	0.11	1.74		08/07/17 14:32	115-07-1	
Styrene	<0.055	ug/m3	1.5	0.055	1.74		08/07/17 14:32	100-42-5	
1,1,2,2-Tetrachloroethane	<0.065	ug/m3	1.2	0.065	1.74		08/07/17 14:32	79-34-5	
Tetrachloroethene	9.9	ug/m3	1.2	0.072	1.74		08/07/17 14:32	127-18-4	
Tetrahydrofuran	16.6	ug/m3	1.0	0.061	1.74		08/07/17 14:32	109-99-9	
Toluene	14.3	ug/m3	1.3	0.068	1.74		08/07/17 14:32	108-88-3	
1,2,4-Trichlorobenzene	<0.22	ug/m3	6.6	0.22	1.74		08/07/17 14:32	120-82-1	
1,1,1-Trichloroethane	<0.11	ug/m3	1.9	0.11	1.74		08/07/17 14:32	71-55-6	
1,1,2-Trichloroethane	<0.071	ug/m3	0.96	0.071	1.74		08/07/17 14:32	79-00-5	
Trichloroethene	<0.065	ug/m3	0.96	0.065	1.74		08/07/17 14:32	79-01-6	
Trichlorofluoromethane	1.5J	ug/m3	2.0	0.13	1.74		08/07/17 14:32	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.080	ug/m3	2.8	0.080	1.74		08/07/17 14:32	76-13-1	
1,2,4-Trimethylbenzene	22.3	ug/m3	1.7	0.060	1.74		08/07/17 14:32	95-63-6	
1,3,5-Trimethylbenzene	5.8	ug/m3	1.7	0.082	1.74		08/07/17 14:32	108-67-8	
Vinyl acetate	<0.063	ug/m3	1.2	0.063	1.74		08/07/17 14:32	108-05-4	
Vinyl chloride	<0.085	ug/m3	0.45	0.085	1.74		08/07/17 14:32	75-01-4	
m&p-Xylene	70.7	ug/m3	3.1	0.14	1.74		08/07/17 14:32	179601-23-1	
o-Xylene	26.5	ug/m3	1.5	0.070	1.74		08/07/17 14:32	95-47-6	

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ANALYTICAL RESULTS

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

Sample: VP-7 **Lab ID: 10398363003** Collected: 08/02/17 10:56 Received: 08/05/17 09:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	5940	ug/m3	35.4	4.4	14.68		08/08/17 12:19	67-64-1	E
Benzene	8.6	ug/m3	0.61	0.074	1.87		08/07/17 15:08	71-43-2	
Benzyl chloride	<0.084	ug/m3	2.0	0.084	1.87		08/07/17 15:08	100-44-7	
Bromodichloromethane	9.8	ug/m3	2.5	0.063	1.87		08/07/17 15:08	75-27-4	
Bromoform	<0.073	ug/m3	3.9	0.073	1.87		08/07/17 15:08	75-25-2	
Bromomethane	<0.098	ug/m3	1.5	0.098	1.87		08/07/17 15:08	74-83-9	
1,3-Butadiene	<0.086	ug/m3	0.84	0.086	1.87		08/07/17 15:08	106-99-0	
2-Butanone (MEK)	235	ug/m3	44.0	0.99	14.68		08/08/17 12:19	78-93-3	
Carbon disulfide	6.4	ug/m3	1.2	0.058	1.87		08/07/17 15:08	75-15-0	
Carbon tetrachloride	17.2	ug/m3	1.2	0.086	1.87		08/07/17 15:08	56-23-5	
Chlorobenzene	<0.071	ug/m3	1.8	0.071	1.87		08/07/17 15:08	108-90-7	
Chloroethane	<0.14	ug/m3	1.0	0.14	1.87		08/07/17 15:08	75-00-3	
Chloroform	36.7	ug/m3	0.93	0.078	1.87		08/07/17 15:08	67-66-3	
Chloromethane	<0.095	ug/m3	0.79	0.095	1.87		08/07/17 15:08	74-87-3	
Cyclohexane	45.3	ug/m3	1.3	0.083	1.87		08/07/17 15:08	110-82-7	
Dibromochloromethane	<0.071	ug/m3	3.2	0.071	1.87		08/07/17 15:08	124-48-1	
1,2-Dibromoethane (EDB)	<0.071	ug/m3	2.9	0.071	1.87		08/07/17 15:08	106-93-4	
1,2-Dichlorobenzene	6.7	ug/m3	2.3	0.057	1.87		08/07/17 15:08	95-50-1	
1,3-Dichlorobenzene	<0.044	ug/m3	2.3	0.044	1.87		08/07/17 15:08	541-73-1	
1,4-Dichlorobenzene	<0.063	ug/m3	2.3	0.063	1.87		08/07/17 15:08	106-46-7	
Dichlorodifluoromethane	2.5	ug/m3	1.9	0.15	1.87		08/07/17 15:08	75-71-8	
1,1-Dichloroethane	<0.096	ug/m3	1.5	0.096	1.87		08/07/17 15:08	75-34-3	
1,2-Dichloroethane	<0.085	ug/m3	0.77	0.085	1.87		08/07/17 15:08	107-06-2	
1,1-Dichloroethene	<0.11	ug/m3	1.5	0.11	1.87		08/07/17 15:08	75-35-4	
cis-1,2-Dichloroethene	<0.10	ug/m3	1.5	0.10	1.87		08/07/17 15:08	156-59-2	
trans-1,2-Dichloroethene	<0.090	ug/m3	1.5	0.090	1.87		08/07/17 15:08	156-60-5	
1,2-Dichloropropane	<0.088	ug/m3	1.8	0.088	1.87		08/07/17 15:08	78-87-5	
cis-1,3-Dichloropropene	<0.035	ug/m3	1.7	0.035	1.87		08/07/17 15:08	10061-01-5	
trans-1,3-Dichloropropene	<0.057	ug/m3	1.7	0.057	1.87		08/07/17 15:08	10061-02-6	
Dichlorotetrafluoroethane	<0.12	ug/m3	2.7	0.12	1.87		08/07/17 15:08	76-14-2	
Ethanol	651	ug/m3	14.1	3.6	14.68		08/08/17 12:19	64-17-5	
Ethyl acetate	<0.086	ug/m3	1.4	0.086	1.87		08/07/17 15:08	141-78-6	
Ethylbenzene	14.0	ug/m3	1.6	0.073	1.87		08/07/17 15:08	100-41-4	
4-Ethyltoluene	2.0	ug/m3	1.9	0.056	1.87		08/07/17 15:08	622-96-8	
n-Heptane	83.9	ug/m3	1.6	0.094	1.87		08/07/17 15:08	142-82-5	
Hexachloro-1,3-butadiene	<0.071	ug/m3	10.1	0.071	1.87		08/07/17 15:08	87-68-3	
n-Hexane	85.2	ug/m3	1.3	0.078	1.87		08/07/17 15:08	110-54-3	
2-Hexanone	59.5	ug/m3	7.8	0.10	1.87		08/07/17 15:08	591-78-6	
Methylene Chloride	5.4J	ug/m3	6.6	0.81	1.87		08/07/17 15:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	37.9	ug/m3	7.8	0.11	1.87		08/07/17 15:08	108-10-1	
Methyl-tert-butyl ether	<0.16	ug/m3	6.9	0.16	1.87		08/07/17 15:08	1634-04-4	
Naphthalene	1.3J	ug/m3	5.0	0.20	1.87		08/07/17 15:08	91-20-3	
2-Propanol	387	ug/m3	4.7	0.26	1.87		08/07/17 15:08	67-63-0	
Propylene	<0.12	ug/m3	0.65	0.12	1.87		08/07/17 15:08	115-07-1	
Styrene	<0.059	ug/m3	1.6	0.059	1.87		08/07/17 15:08	100-42-5	
1,1,2,2-Tetrachloroethane	<0.070	ug/m3	1.3	0.070	1.87		08/07/17 15:08	79-34-5	

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ANALYTICAL RESULTS

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

Sample: VP-7 **Lab ID: 10398363003** Collected: 08/02/17 10:56 Received: 08/05/17 09:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Tetrachloroethene	170	ug/m3	1.3	0.078	1.87		08/07/17 15:08	127-18-4	
Tetrahydrofuran	2.3	ug/m3	1.1	0.066	1.87		08/07/17 15:08	109-99-9	
Toluene	29.2	ug/m3	1.4	0.073	1.87		08/07/17 15:08	108-88-3	
1,2,4-Trichlorobenzene	<0.24	ug/m3	7.0	0.24	1.87		08/07/17 15:08	120-82-1	
1,1,1-Trichloroethane	5.4	ug/m3	2.1	0.12	1.87		08/07/17 15:08	71-55-6	
1,1,2-Trichloroethane	<0.076	ug/m3	1.0	0.076	1.87		08/07/17 15:08	79-00-5	
Trichloroethene	3.2	ug/m3	1.0	0.070	1.87		08/07/17 15:08	79-01-6	
Trichlorofluoromethane	8.8	ug/m3	2.1	0.14	1.87		08/07/17 15:08	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.086	ug/m3	3.0	0.086	1.87		08/07/17 15:08	76-13-1	
1,2,4-Trimethylbenzene	9.9	ug/m3	1.9	0.065	1.87		08/07/17 15:08	95-63-6	
1,3,5-Trimethylbenzene	2.9	ug/m3	1.9	0.088	1.87		08/07/17 15:08	108-67-8	
Vinyl acetate	<0.068	ug/m3	1.3	0.068	1.87		08/07/17 15:08	108-05-4	
Vinyl chloride	<0.091	ug/m3	0.49	0.091	1.87		08/07/17 15:08	75-01-4	
m&p-Xylene	24.4	ug/m3	3.3	0.15	1.87		08/07/17 15:08	179601-23-1	
o-Xylene	10.6	ug/m3	1.6	0.075	1.87		08/07/17 15:08	95-47-6	

Sample: VP-8 **Lab ID: 10398363004** Collected: 08/02/17 12:08 Received: 08/05/17 09:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	3720	ug/m3	393	48.9	162.96		08/08/17 12:52	67-64-1	
Benzene	30.4	ug/m3	0.63	0.077	1.94		08/07/17 15:51	71-43-2	
Benzyl chloride	<0.087	ug/m3	2.0	0.087	1.94		08/07/17 15:51	100-44-7	
Bromodichloromethane	<0.065	ug/m3	2.6	0.065	1.94		08/07/17 15:51	75-27-4	
Bromoform	<0.075	ug/m3	4.1	0.075	1.94		08/07/17 15:51	75-25-2	
Bromomethane	1.6	ug/m3	1.5	0.10	1.94		08/07/17 15:51	74-83-9	
1,3-Butadiene	<0.089	ug/m3	0.87	0.089	1.94		08/07/17 15:51	106-99-0	
2-Butanone (MEK)	2520	ug/m3	489	11.0	162.96		08/08/17 12:52	78-93-3	
Carbon disulfide	15.3	ug/m3	1.2	0.061	1.94		08/07/17 15:51	75-15-0	
Carbon tetrachloride	<0.089	ug/m3	1.2	0.089	1.94		08/07/17 15:51	56-23-5	
Chlorobenzene	<0.074	ug/m3	1.8	0.074	1.94		08/07/17 15:51	108-90-7	
Chloroethane	331	ug/m3	88.0	12.4	162.96		08/08/17 12:52	75-00-3	
Chloroform	<0.081	ug/m3	0.96	0.081	1.94		08/07/17 15:51	67-66-3	
Chloromethane	132	ug/m3	0.81	0.098	1.94		08/07/17 15:51	74-87-3	
Cyclohexane	158	ug/m3	1.4	0.086	1.94		08/07/17 15:51	110-82-7	
Dibromochloromethane	<0.074	ug/m3	3.4	0.074	1.94		08/07/17 15:51	124-48-1	
1,2-Dibromoethane (EDB)	<0.074	ug/m3	3.0	0.074	1.94		08/07/17 15:51	106-93-4	
1,2-Dichlorobenzene	<0.059	ug/m3	2.4	0.059	1.94		08/07/17 15:51	95-50-1	
1,3-Dichlorobenzene	<0.046	ug/m3	2.4	0.046	1.94		08/07/17 15:51	541-73-1	
1,4-Dichlorobenzene	<0.065	ug/m3	2.4	0.065	1.94		08/07/17 15:51	106-46-7	
Dichlorodifluoromethane	2.5	ug/m3	2.0	0.16	1.94		08/07/17 15:51	75-71-8	
1,1-Dichloroethane	<0.10	ug/m3	1.6	0.10	1.94		08/07/17 15:51	75-34-3	
1,2-Dichloroethane	<0.089	ug/m3	0.80	0.089	1.94		08/07/17 15:51	107-06-2	

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ANALYTICAL RESULTS

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

Sample: VP-8 **Lab ID: 10398363004** Collected: 08/02/17 12:08 Received: 08/05/17 09:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
1,1-Dichloroethene	<0.11	ug/m3	1.6	0.11	1.94		08/07/17 15:51	75-35-4	
cis-1,2-Dichloroethene	<0.10	ug/m3	1.6	0.10	1.94		08/07/17 15:51	156-59-2	
trans-1,2-Dichloroethene	<0.094	ug/m3	1.6	0.094	1.94		08/07/17 15:51	156-60-5	
1,2-Dichloropropane	<0.091	ug/m3	1.8	0.091	1.94		08/07/17 15:51	78-87-5	
cis-1,3-Dichloropropene	<0.036	ug/m3	1.8	0.036	1.94		08/07/17 15:51	10061-01-5	
trans-1,3-Dichloropropene	<0.059	ug/m3	1.8	0.059	1.94		08/07/17 15:51	10061-02-6	
Dichlorotetrafluoroethane	<0.12	ug/m3	2.8	0.12	1.94		08/07/17 15:51	76-14-2	
Ethanol	686	ug/m3	156	39.6	162.96		08/08/17 12:52	64-17-5	
Ethyl acetate	<0.089	ug/m3	1.4	0.089	1.94		08/07/17 15:51	141-78-6	
Ethylbenzene	62.1	ug/m3	1.7	0.075	1.94		08/07/17 15:51	100-41-4	
4-Ethyltoluene	54.6	ug/m3	1.9	0.058	1.94		08/07/17 15:51	622-96-8	
n-Heptane	303	ug/m3	135	8.2	162.96		08/08/17 12:52	142-82-5	
Hexachloro-1,3-butadiene	<0.073	ug/m3	10.5	0.073	1.94		08/07/17 15:51	87-68-3	
n-Hexane	196	ug/m3	1.4	0.081	1.94		08/07/17 15:51	110-54-3	
2-Hexanone	432	ug/m3	8.1	0.10	1.94		08/07/17 15:51	591-78-6	
Methylene Chloride	211	ug/m3	6.8	0.84	1.94		08/07/17 15:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	154	ug/m3	8.1	0.11	1.94		08/07/17 15:51	108-10-1	
Methyl-tert-butyl ether	<0.17	ug/m3	7.1	0.17	1.94		08/07/17 15:51	1634-04-4	
Naphthalene	2.7J	ug/m3	5.2	0.21	1.94		08/07/17 15:51	91-20-3	
2-Propanol	392	ug/m3	4.8	0.27	1.94		08/07/17 15:51	67-63-0	
Propylene	446	ug/m3	57.0	10.3	162.96		08/08/17 12:52	115-07-1	
Styrene	<0.061	ug/m3	1.7	0.061	1.94		08/07/17 15:51	100-42-5	
1,1,2,2-Tetrachloroethane	<0.073	ug/m3	1.4	0.073	1.94		08/07/17 15:51	79-34-5	
Tetrachloroethene	1.2J	ug/m3	1.3	0.081	1.94		08/07/17 15:51	127-18-4	
Tetrahydrofuran	8.2	ug/m3	1.2	0.068	1.94		08/07/17 15:51	109-99-9	
Toluene	81.9	ug/m3	1.5	0.075	1.94		08/07/17 15:51	108-88-3	
1,2,4-Trichlorobenzene	<0.25	ug/m3	7.3	0.25	1.94		08/07/17 15:51	120-82-1	
1,1,1-Trichloroethane	<0.12	ug/m3	2.2	0.12	1.94		08/07/17 15:51	71-55-6	
1,1,2-Trichloroethane	<0.079	ug/m3	1.1	0.079	1.94		08/07/17 15:51	79-00-5	
Trichloroethene	<0.072	ug/m3	1.1	0.072	1.94		08/07/17 15:51	79-01-6	
Trichlorofluoromethane	3.4	ug/m3	2.2	0.14	1.94		08/07/17 15:51	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.089	ug/m3	3.1	0.089	1.94		08/07/17 15:51	76-13-1	
1,2,4-Trimethylbenzene	108	ug/m3	1.9	0.067	1.94		08/07/17 15:51	95-63-6	
1,3,5-Trimethylbenzene	36.9	ug/m3	1.9	0.091	1.94		08/07/17 15:51	108-67-8	
Vinyl acetate	<0.070	ug/m3	1.4	0.070	1.94		08/07/17 15:51	108-05-4	
Vinyl chloride	<0.094	ug/m3	0.50	0.094	1.94		08/07/17 15:51	75-01-4	
m&p-Xylene	154	ug/m3	3.4	0.15	1.94		08/07/17 15:51	179601-23-1	
o-Xylene	78.7	ug/m3	1.7	0.078	1.94		08/07/17 15:51	95-47-6	

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ANALYTICAL RESULTS

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

Sample: VP-2 **Lab ID: 10398363005** Collected: 08/02/17 12:44 Received: 08/05/17 09:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	89.7	ug/m3	4.3	0.54	1.8		08/07/17 16:26	67-64-1	
Benzene	6.2	ug/m3	0.58	0.072	1.8		08/07/17 16:26	71-43-2	
Benzyl chloride	<0.081	ug/m3	1.9	0.081	1.8		08/07/17 16:26	100-44-7	
Bromodichloromethane	<0.060	ug/m3	2.4	0.060	1.8		08/07/17 16:26	75-27-4	
Bromoform	<0.070	ug/m3	3.8	0.070	1.8		08/07/17 16:26	75-25-2	
Bromomethane	<0.095	ug/m3	1.4	0.095	1.8		08/07/17 16:26	74-83-9	
1,3-Butadiene	<0.083	ug/m3	0.81	0.083	1.8		08/07/17 16:26	106-99-0	
2-Butanone (MEK)	97.6	ug/m3	5.4	0.12	1.8		08/07/17 16:26	78-93-3	
Carbon disulfide	4.2	ug/m3	1.1	0.056	1.8		08/07/17 16:26	75-15-0	
Carbon tetrachloride	1.8	ug/m3	1.2	0.083	1.8		08/07/17 16:26	56-23-5	
Chlorobenzene	<0.069	ug/m3	1.7	0.069	1.8		08/07/17 16:26	108-90-7	
Chloroethane	<0.14	ug/m3	0.97	0.14	1.8		08/07/17 16:26	75-00-3	
Chloroform	16.2	ug/m3	0.89	0.075	1.8		08/07/17 16:26	67-66-3	
Chloromethane	0.87	ug/m3	0.76	0.091	1.8		08/07/17 16:26	74-87-3	
Cyclohexane	1.2J	ug/m3	1.3	0.080	1.8		08/07/17 16:26	110-82-7	
Dibromochloromethane	<0.068	ug/m3	3.1	0.068	1.8		08/07/17 16:26	124-48-1	
1,2-Dibromoethane (EDB)	<0.068	ug/m3	2.8	0.068	1.8		08/07/17 16:26	106-93-4	
1,2-Dichlorobenzene	<0.055	ug/m3	2.2	0.055	1.8		08/07/17 16:26	95-50-1	
1,3-Dichlorobenzene	<0.042	ug/m3	2.2	0.042	1.8		08/07/17 16:26	541-73-1	
1,4-Dichlorobenzene	<0.060	ug/m3	2.2	0.060	1.8		08/07/17 16:26	106-46-7	
Dichlorodifluoromethane	2.2	ug/m3	1.8	0.15	1.8		08/07/17 16:26	75-71-8	
1,1-Dichloroethane	<0.093	ug/m3	1.5	0.093	1.8		08/07/17 16:26	75-34-3	
1,2-Dichloroethane	<0.082	ug/m3	0.74	0.082	1.8		08/07/17 16:26	107-06-2	
1,1-Dichloroethene	<0.11	ug/m3	1.5	0.11	1.8		08/07/17 16:26	75-35-4	
cis-1,2-Dichloroethene	<0.097	ug/m3	1.5	0.097	1.8		08/07/17 16:26	156-59-2	
trans-1,2-Dichloroethene	0.87J	ug/m3	1.5	0.087	1.8		08/07/17 16:26	156-60-5	
1,2-Dichloropropane	<0.085	ug/m3	1.7	0.085	1.8		08/07/17 16:26	78-87-5	
cis-1,3-Dichloropropene	<0.034	ug/m3	1.7	0.034	1.8		08/07/17 16:26	10061-01-5	
trans-1,3-Dichloropropene	<0.055	ug/m3	1.7	0.055	1.8		08/07/17 16:26	10061-02-6	
Dichlorotetrafluoroethane	<0.11	ug/m3	2.6	0.11	1.8		08/07/17 16:26	76-14-2	
Ethanol	45.6	ug/m3	1.7	0.44	1.8		08/07/17 16:26	64-17-5	
Ethyl acetate	<0.083	ug/m3	1.3	0.083	1.8		08/07/17 16:26	141-78-6	
Ethylbenzene	3.3	ug/m3	1.6	0.070	1.8		08/07/17 16:26	100-41-4	
4-Ethyltoluene	1.9	ug/m3	1.8	0.054	1.8		08/07/17 16:26	622-96-8	
n-Heptane	<0.091	ug/m3	1.5	0.091	1.8		08/07/17 16:26	142-82-5	
Hexachloro-1,3-butadiene	<0.068	ug/m3	9.8	0.068	1.8		08/07/17 16:26	87-68-3	
n-Hexane	<0.075	ug/m3	1.3	0.075	1.8		08/07/17 16:26	110-54-3	
2-Hexanone	4.5J	ug/m3	7.5	0.097	1.8		08/07/17 16:26	591-78-6	
Methylene Chloride	10.6	ug/m3	6.4	0.78	1.8		08/07/17 16:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	1.6J	ug/m3	7.5	0.10	1.8		08/07/17 16:26	108-10-1	
Methyl-tert-butyl ether	<0.15	ug/m3	6.6	0.15	1.8		08/07/17 16:26	1634-04-4	
Naphthalene	<0.20	ug/m3	4.8	0.20	1.8		08/07/17 16:26	91-20-3	
2-Propanol	13.8	ug/m3	4.5	0.25	1.8		08/07/17 16:26	67-63-0	
Propylene	2.5	ug/m3	0.63	0.11	1.8		08/07/17 16:26	115-07-1	
Styrene	<0.057	ug/m3	1.6	0.057	1.8		08/07/17 16:26	100-42-5	
1,1,2,2-Tetrachloroethane	<0.068	ug/m3	1.3	0.068	1.8		08/07/17 16:26	79-34-5	

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ANALYTICAL RESULTS

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

Sample: VP-2 **Lab ID: 10398363005** Collected: 08/02/17 12:44 Received: 08/05/17 09:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Tetrachloroethene	45.6	ug/m3	1.2	0.075	1.8		08/07/17 16:26	127-18-4	
Tetrahydrofuran	28.1	ug/m3	1.1	0.063	1.8		08/07/17 16:26	109-99-9	
Toluene	9.2	ug/m3	1.4	0.070	1.8		08/07/17 16:26	108-88-3	
1,2,4-Trichlorobenzene	<0.23	ug/m3	6.8	0.23	1.8		08/07/17 16:26	120-82-1	
1,1,1-Trichloroethane	1.9J	ug/m3	2.0	0.11	1.8		08/07/17 16:26	71-55-6	
1,1,2-Trichloroethane	<0.073	ug/m3	0.99	0.073	1.8		08/07/17 16:26	79-00-5	
Trichloroethene	7520	ug/m3	77.7	5.3	141.3		08/08/17 13:58	79-01-6	
Trichlorofluoromethane	4.4	ug/m3	2.1	0.13	1.8		08/07/17 16:26	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.96J	ug/m3	2.9	0.083	1.8		08/07/17 16:26	76-13-1	
1,2,4-Trimethylbenzene	10.1	ug/m3	1.8	0.062	1.8		08/07/17 16:26	95-63-6	
1,3,5-Trimethylbenzene	2.9	ug/m3	1.8	0.085	1.8		08/07/17 16:26	108-67-8	
Vinyl acetate	<0.065	ug/m3	1.3	0.065	1.8		08/07/17 16:26	108-05-4	
Vinyl chloride	<0.087	ug/m3	0.47	0.087	1.8		08/07/17 16:26	75-01-4	
m&p-Xylene	11.4	ug/m3	3.2	0.14	1.8		08/07/17 16:26	179601-23-1	
o-Xylene	4.8	ug/m3	1.6	0.072	1.8		08/07/17 16:26	95-47-6	

Sample: VP-3 **Lab ID: 10398363006** Collected: 08/02/17 13:11 Received: 08/05/17 09:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	162	ug/m3	4.3	0.54	1.8		08/07/17 17:02	67-64-1	
Benzene	1.7	ug/m3	0.58	0.072	1.8		08/07/17 17:02	71-43-2	
Benzyl chloride	<0.081	ug/m3	1.9	0.081	1.8		08/07/17 17:02	100-44-7	
Bromodichloromethane	<0.060	ug/m3	2.4	0.060	1.8		08/07/17 17:02	75-27-4	
Bromoform	<0.070	ug/m3	3.8	0.070	1.8		08/07/17 17:02	75-25-2	
Bromomethane	<0.095	ug/m3	1.4	0.095	1.8		08/07/17 17:02	74-83-9	
1,3-Butadiene	<0.083	ug/m3	0.81	0.083	1.8		08/07/17 17:02	106-99-0	
2-Butanone (MEK)	141	ug/m3	5.4	0.12	1.8		08/07/17 17:02	78-93-3	
Carbon disulfide	<0.056	ug/m3	1.1	0.056	1.8		08/07/17 17:02	75-15-0	
Carbon tetrachloride	<0.083	ug/m3	1.2	0.083	1.8		08/07/17 17:02	56-23-5	
Chlorobenzene	<0.069	ug/m3	1.7	0.069	1.8		08/07/17 17:02	108-90-7	
Chloroethane	<0.14	ug/m3	0.97	0.14	1.8		08/07/17 17:02	75-00-3	
Chloroform	22.8	ug/m3	0.89	0.075	1.8		08/07/17 17:02	67-66-3	
Chloromethane	<0.091	ug/m3	0.76	0.091	1.8		08/07/17 17:02	74-87-3	
Cyclohexane	2.5	ug/m3	1.3	0.080	1.8		08/07/17 17:02	110-82-7	
Dibromochloromethane	<0.068	ug/m3	3.1	0.068	1.8		08/07/17 17:02	124-48-1	
1,2-Dibromoethane (EDB)	<0.068	ug/m3	2.8	0.068	1.8		08/07/17 17:02	106-93-4	
1,2-Dichlorobenzene	<0.055	ug/m3	2.2	0.055	1.8		08/07/17 17:02	95-50-1	
1,3-Dichlorobenzene	<0.042	ug/m3	2.2	0.042	1.8		08/07/17 17:02	541-73-1	
1,4-Dichlorobenzene	<0.060	ug/m3	2.2	0.060	1.8		08/07/17 17:02	106-46-7	
Dichlorodifluoromethane	3.3	ug/m3	1.8	0.15	1.8		08/07/17 17:02	75-71-8	
1,1-Dichloroethane	<0.093	ug/m3	1.5	0.093	1.8		08/07/17 17:02	75-34-3	
1,2-Dichloroethane	<0.082	ug/m3	0.74	0.082	1.8		08/07/17 17:02	107-06-2	

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ANALYTICAL RESULTS

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

Sample: VP-3 **Lab ID: 10398363006** Collected: 08/02/17 13:11 Received: 08/05/17 09:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Dichloroethene	<0.11	ug/m3	1.5	0.11	1.8		08/07/17 17:02	75-35-4	
cis-1,2-Dichloroethene	<0.097	ug/m3	1.5	0.097	1.8		08/07/17 17:02	156-59-2	
trans-1,2-Dichloroethene	<0.087	ug/m3	1.5	0.087	1.8		08/07/17 17:02	156-60-5	
1,2-Dichloropropane	<0.085	ug/m3	1.7	0.085	1.8		08/07/17 17:02	78-87-5	
cis-1,3-Dichloropropene	<0.034	ug/m3	1.7	0.034	1.8		08/07/17 17:02	10061-01-5	
trans-1,3-Dichloropropene	<0.055	ug/m3	1.7	0.055	1.8		08/07/17 17:02	10061-02-6	
Dichlorotetrafluoroethane	<0.11	ug/m3	2.6	0.11	1.8		08/07/17 17:02	76-14-2	
Ethanol	63.3	ug/m3	1.7	0.44	1.8		08/07/17 17:02	64-17-5	
Ethyl acetate	<0.083	ug/m3	1.3	0.083	1.8		08/07/17 17:02	141-78-6	
Ethylbenzene	5.0	ug/m3	1.6	0.070	1.8		08/07/17 17:02	100-41-4	
4-Ethyltoluene	5.9	ug/m3	1.8	0.054	1.8		08/07/17 17:02	622-96-8	
n-Heptane	3.9	ug/m3	1.5	0.091	1.8		08/07/17 17:02	142-82-5	
Hexachloro-1,3-butadiene	<0.068	ug/m3	9.8	0.068	1.8		08/07/17 17:02	87-68-3	
n-Hexane	2.2	ug/m3	1.3	0.075	1.8		08/07/17 17:02	110-54-3	
2-Hexanone	14.3	ug/m3	7.5	0.097	1.8		08/07/17 17:02	591-78-6	
Methylene Chloride	6.8	ug/m3	6.4	0.78	1.8		08/07/17 17:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	4.8J	ug/m3	7.5	0.10	1.8		08/07/17 17:02	108-10-1	
Methyl-tert-butyl ether	<0.15	ug/m3	6.6	0.15	1.8		08/07/17 17:02	1634-04-4	
Naphthalene	1.2J	ug/m3	4.8	0.20	1.8		08/07/17 17:02	91-20-3	
2-Propanol	156	ug/m3	4.5	0.25	1.8		08/07/17 17:02	67-63-0	
Propylene	<0.11	ug/m3	0.63	0.11	1.8		08/07/17 17:02	115-07-1	
Styrene	<0.057	ug/m3	1.6	0.057	1.8		08/07/17 17:02	100-42-5	
1,1,2,2-Tetrachloroethane	<0.068	ug/m3	1.3	0.068	1.8		08/07/17 17:02	79-34-5	
Tetrachloroethene	392	ug/m3	1.2	0.075	1.8		08/07/17 17:02	127-18-4	
Tetrahydrofuran	30.6	ug/m3	1.1	0.063	1.8		08/07/17 17:02	109-99-9	
Toluene	6.8	ug/m3	1.4	0.070	1.8		08/07/17 17:02	108-88-3	
1,2,4-Trichlorobenzene	<0.23	ug/m3	6.8	0.23	1.8		08/07/17 17:02	120-82-1	
1,1,1-Trichloroethane	<0.11	ug/m3	2.0	0.11	1.8		08/07/17 17:02	71-55-6	
1,1,2-Trichloroethane	<0.073	ug/m3	0.99	0.073	1.8		08/07/17 17:02	79-00-5	
Trichloroethene	9.6	ug/m3	0.99	0.067	1.8		08/07/17 17:02	79-01-6	
Trichlorofluoromethane	2.2	ug/m3	2.1	0.13	1.8		08/07/17 17:02	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.83J	ug/m3	2.9	0.083	1.8		08/07/17 17:02	76-13-1	
1,2,4-Trimethylbenzene	26.2	ug/m3	1.8	0.062	1.8		08/07/17 17:02	95-63-6	
1,3,5-Trimethylbenzene	6.5	ug/m3	1.8	0.085	1.8		08/07/17 17:02	108-67-8	
Vinyl acetate	<0.065	ug/m3	1.3	0.065	1.8		08/07/17 17:02	108-05-4	
Vinyl chloride	<0.087	ug/m3	0.47	0.087	1.8		08/07/17 17:02	75-01-4	
m&p-Xylene	14.8	ug/m3	3.2	0.14	1.8		08/07/17 17:02	179601-23-1	
o-Xylene	8.3	ug/m3	1.6	0.072	1.8		08/07/17 17:02	95-47-6	

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ANALYTICAL RESULTS

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

Sample: VP-4 **Lab ID: 10398363007** Collected: 08/02/17 14:53 Received: 08/05/17 09:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	46.5	ug/m3	4.2	0.52	1.74		08/07/17 17:37	67-64-1	
Benzene	0.53J	ug/m3	0.57	0.069	1.74		08/07/17 17:37	71-43-2	
Benzyl chloride	<0.078	ug/m3	1.8	0.078	1.74		08/07/17 17:37	100-44-7	
Bromodichloromethane	<0.058	ug/m3	2.4	0.058	1.74		08/07/17 17:37	75-27-4	
Bromoform	<0.068	ug/m3	3.7	0.068	1.74		08/07/17 17:37	75-25-2	
Bromomethane	<0.092	ug/m3	1.4	0.092	1.74		08/07/17 17:37	74-83-9	
1,3-Butadiene	<0.080	ug/m3	0.78	0.080	1.74		08/07/17 17:37	106-99-0	
2-Butanone (MEK)	33.7	ug/m3	5.2	0.12	1.74		08/07/17 17:37	78-93-3	
Carbon disulfide	5.3	ug/m3	1.1	0.054	1.74		08/07/17 17:37	75-15-0	
Carbon tetrachloride	<0.080	ug/m3	1.1	0.080	1.74		08/07/17 17:37	56-23-5	
Chlorobenzene	<0.066	ug/m3	1.6	0.066	1.74		08/07/17 17:37	108-90-7	
Chloroethane	<0.13	ug/m3	0.94	0.13	1.74		08/07/17 17:37	75-00-3	
Chloroform	0.65J	ug/m3	0.86	0.073	1.74		08/07/17 17:37	67-66-3	
Chloromethane	0.62J	ug/m3	0.73	0.088	1.74		08/07/17 17:37	74-87-3	
Cyclohexane	1.4	ug/m3	1.2	0.077	1.74		08/07/17 17:37	110-82-7	
Dibromochloromethane	<0.066	ug/m3	3.0	0.066	1.74		08/07/17 17:37	124-48-1	
1,2-Dibromoethane (EDB)	<0.066	ug/m3	2.7	0.066	1.74		08/07/17 17:37	106-93-4	
1,2-Dichlorobenzene	<0.053	ug/m3	2.1	0.053	1.74		08/07/17 17:37	95-50-1	
1,3-Dichlorobenzene	<0.041	ug/m3	2.1	0.041	1.74		08/07/17 17:37	541-73-1	
1,4-Dichlorobenzene	<0.058	ug/m3	2.1	0.058	1.74		08/07/17 17:37	106-46-7	
Dichlorodifluoromethane	20.6	ug/m3	1.8	0.14	1.74		08/07/17 17:37	75-71-8	
1,1-Dichloroethane	<0.090	ug/m3	1.4	0.090	1.74		08/07/17 17:37	75-34-3	
1,2-Dichloroethane	<0.080	ug/m3	0.71	0.080	1.74		08/07/17 17:37	107-06-2	
1,1-Dichloroethene	<0.10	ug/m3	1.4	0.10	1.74		08/07/17 17:37	75-35-4	
cis-1,2-Dichloroethene	<0.093	ug/m3	1.4	0.093	1.74		08/07/17 17:37	156-59-2	
trans-1,2-Dichloroethene	<0.084	ug/m3	1.4	0.084	1.74		08/07/17 17:37	156-60-5	
1,2-Dichloropropane	<0.082	ug/m3	1.6	0.082	1.74		08/07/17 17:37	78-87-5	
cis-1,3-Dichloropropene	<0.033	ug/m3	1.6	0.033	1.74		08/07/17 17:37	10061-01-5	
trans-1,3-Dichloropropene	<0.053	ug/m3	1.6	0.053	1.74		08/07/17 17:37	10061-02-6	
Dichlorotetrafluoroethane	<0.11	ug/m3	2.5	0.11	1.74		08/07/17 17:37	76-14-2	
Ethanol	33.9	ug/m3	1.7	0.42	1.74		08/07/17 17:37	64-17-5	
Ethyl acetate	<0.080	ug/m3	1.3	0.080	1.74		08/07/17 17:37	141-78-6	
Ethylbenzene	1.5J	ug/m3	1.5	0.068	1.74		08/07/17 17:37	100-41-4	
4-Ethyltoluene	<0.052	ug/m3	1.7	0.052	1.74		08/07/17 17:37	622-96-8	
n-Heptane	4.7	ug/m3	1.4	0.088	1.74		08/07/17 17:37	142-82-5	
Hexachloro-1,3-butadiene	<0.066	ug/m3	9.4	0.066	1.74		08/07/17 17:37	87-68-3	
n-Hexane	3.7	ug/m3	1.3	0.073	1.74		08/07/17 17:37	110-54-3	
2-Hexanone	5.3J	ug/m3	7.2	0.094	1.74		08/07/17 17:37	591-78-6	
Methylene Chloride	7.1	ug/m3	6.1	0.75	1.74		08/07/17 17:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	1.9J	ug/m3	7.2	0.10	1.74		08/07/17 17:37	108-10-1	
Methyl-tert-butyl ether	<0.15	ug/m3	6.4	0.15	1.74		08/07/17 17:37	1634-04-4	
Naphthalene	<0.19	ug/m3	4.6	0.19	1.74		08/07/17 17:37	91-20-3	
2-Propanol	15.6	ug/m3	4.4	0.24	1.74		08/07/17 17:37	67-63-0	
Propylene	<0.11	ug/m3	0.61	0.11	1.74		08/07/17 17:37	115-07-1	
Styrene	<0.055	ug/m3	1.5	0.055	1.74		08/07/17 17:37	100-42-5	
1,1,2,2-Tetrachloroethane	<0.065	ug/m3	1.2	0.065	1.74		08/07/17 17:37	79-34-5	

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ANALYTICAL RESULTS

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

Sample: VP-4 Lab ID: 10398363007 Collected: 08/02/17 14:53 Received: 08/05/17 09:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Tetrachloroethene	3.7	ug/m3	1.2	0.072	1.74		08/07/17 17:37	127-18-4	
Tetrahydrofuran	5.4	ug/m3	1.0	0.061	1.74		08/07/17 17:37	109-99-9	
Toluene	2.7	ug/m3	1.3	0.068	1.74		08/07/17 17:37	108-88-3	
1,2,4-Trichlorobenzene	<0.22	ug/m3	6.6	0.22	1.74		08/07/17 17:37	120-82-1	
1,1,1-Trichloroethane	<0.11	ug/m3	1.9	0.11	1.74		08/07/17 17:37	71-55-6	
1,1,2-Trichloroethane	<0.071	ug/m3	0.96	0.071	1.74		08/07/17 17:37	79-00-5	
Trichloroethene	<0.065	ug/m3	0.96	0.065	1.74		08/07/17 17:37	79-01-6	
Trichlorofluoromethane	30.0	ug/m3	2.0	0.13	1.74		08/07/17 17:37	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.89J	ug/m3	2.8	0.080	1.74		08/07/17 17:37	76-13-1	
1,2,4-Trimethylbenzene	3.7	ug/m3	1.7	0.060	1.74		08/07/17 17:37	95-63-6	
1,3,5-Trimethylbenzene	1.0J	ug/m3	1.7	0.082	1.74		08/07/17 17:37	108-67-8	
Vinyl acetate	<0.063	ug/m3	1.2	0.063	1.74		08/07/17 17:37	108-05-4	
Vinyl chloride	<0.085	ug/m3	0.45	0.085	1.74		08/07/17 17:37	75-01-4	
m&p-Xylene	4.2	ug/m3	3.1	0.14	1.74		08/07/17 17:37	179601-23-1	
o-Xylene	2.0	ug/m3	1.5	0.070	1.74		08/07/17 17:37	95-47-6	

Sample: VP-5 Lab ID: 10398363008 Collected: 08/02/17 15:28 Received: 08/05/17 09:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	116	ug/m3	4.2	0.52	1.74		08/07/17 18:13	67-64-1	
Benzene	<0.069	ug/m3	0.57	0.069	1.74		08/07/17 18:13	71-43-2	
Benzyl chloride	<0.078	ug/m3	1.8	0.078	1.74		08/07/17 18:13	100-44-7	
Bromodichloromethane	<0.058	ug/m3	2.4	0.058	1.74		08/07/17 18:13	75-27-4	
Bromoform	<0.068	ug/m3	3.7	0.068	1.74		08/07/17 18:13	75-25-2	
Bromomethane	<0.092	ug/m3	1.4	0.092	1.74		08/07/17 18:13	74-83-9	
1,3-Butadiene	<0.080	ug/m3	0.78	0.080	1.74		08/07/17 18:13	106-99-0	
2-Butanone (MEK)	114	ug/m3	5.2	0.12	1.74		08/07/17 18:13	78-93-3	
Carbon disulfide	0.59J	ug/m3	1.1	0.054	1.74		08/07/17 18:13	75-15-0	
Carbon tetrachloride	13.1	ug/m3	1.1	0.080	1.74		08/07/17 18:13	56-23-5	
Chlorobenzene	<0.066	ug/m3	1.6	0.066	1.74		08/07/17 18:13	108-90-7	
Chloroethane	<0.13	ug/m3	0.94	0.13	1.74		08/07/17 18:13	75-00-3	
Chloroform	0.46J	ug/m3	0.86	0.073	1.74		08/07/17 18:13	67-66-3	
Chloromethane	<0.088	ug/m3	0.73	0.088	1.74		08/07/17 18:13	74-87-3	
Cyclohexane	<0.077	ug/m3	1.2	0.077	1.74		08/07/17 18:13	110-82-7	
Dibromochloromethane	<0.066	ug/m3	3.0	0.066	1.74		08/07/17 18:13	124-48-1	
1,2-Dibromoethane (EDB)	<0.066	ug/m3	2.7	0.066	1.74		08/07/17 18:13	106-93-4	
1,2-Dichlorobenzene	<0.053	ug/m3	2.1	0.053	1.74		08/07/17 18:13	95-50-1	
1,3-Dichlorobenzene	<0.041	ug/m3	2.1	0.041	1.74		08/07/17 18:13	541-73-1	
1,4-Dichlorobenzene	<0.058	ug/m3	2.1	0.058	1.74		08/07/17 18:13	106-46-7	
Dichlorodifluoromethane	1.1J	ug/m3	1.8	0.14	1.74		08/07/17 18:13	75-71-8	
1,1-Dichloroethane	<0.090	ug/m3	1.4	0.090	1.74		08/07/17 18:13	75-34-3	
1,2-Dichloroethane	<0.080	ug/m3	0.71	0.080	1.74		08/07/17 18:13	107-06-2	

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ANALYTICAL RESULTS

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

Sample: VP-5 Lab ID: 10398363008 Collected: 08/02/17 15:28 Received: 08/05/17 09:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Dichloroethene	<0.10	ug/m3	1.4	0.10	1.74		08/07/17 18:13	75-35-4	
cis-1,2-Dichloroethene	<0.093	ug/m3	1.4	0.093	1.74		08/07/17 18:13	156-59-2	
trans-1,2-Dichloroethene	<0.084	ug/m3	1.4	0.084	1.74		08/07/17 18:13	156-60-5	
1,2-Dichloropropane	<0.082	ug/m3	1.6	0.082	1.74		08/07/17 18:13	78-87-5	
cis-1,3-Dichloropropene	<0.033	ug/m3	1.6	0.033	1.74		08/07/17 18:13	10061-01-5	
trans-1,3-Dichloropropene	<0.053	ug/m3	1.6	0.053	1.74		08/07/17 18:13	10061-02-6	
Dichlorotetrafluoroethane	<0.11	ug/m3	2.5	0.11	1.74		08/07/17 18:13	76-14-2	
Ethanol	42.2	ug/m3	1.7	0.42	1.74		08/07/17 18:13	64-17-5	
Ethyl acetate	<0.080	ug/m3	1.3	0.080	1.74		08/07/17 18:13	141-78-6	
Ethylbenzene	1.6	ug/m3	1.5	0.068	1.74		08/07/17 18:13	100-41-4	
4-Ethyltoluene	1.3J	ug/m3	1.7	0.052	1.74		08/07/17 18:13	622-96-8	
n-Heptane	2.2	ug/m3	1.4	0.088	1.74		08/07/17 18:13	142-82-5	
Hexachloro-1,3-butadiene	<0.066	ug/m3	9.4	0.066	1.74		08/07/17 18:13	87-68-3	
n-Hexane	1.8	ug/m3	1.3	0.073	1.74		08/07/17 18:13	110-54-3	
2-Hexanone	7.9	ug/m3	7.2	0.094	1.74		08/07/17 18:13	591-78-6	
Methylene Chloride	4.7J	ug/m3	6.1	0.75	1.74		08/07/17 18:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	2.6J	ug/m3	7.2	0.10	1.74		08/07/17 18:13	108-10-1	
Methyl-tert-butyl ether	<0.15	ug/m3	6.4	0.15	1.74		08/07/17 18:13	1634-04-4	
Naphthalene	<0.19	ug/m3	4.6	0.19	1.74		08/07/17 18:13	91-20-3	
2-Propanol	32.2	ug/m3	4.4	0.24	1.74		08/07/17 18:13	67-63-0	
Propylene	1.7	ug/m3	0.61	0.11	1.74		08/07/17 18:13	115-07-1	
Styrene	<0.055	ug/m3	1.5	0.055	1.74		08/07/17 18:13	100-42-5	
1,1,2,2-Tetrachloroethane	<0.065	ug/m3	1.2	0.065	1.74		08/07/17 18:13	79-34-5	
Tetrachloroethene	2.5	ug/m3	1.2	0.072	1.74		08/07/17 18:13	127-18-4	
Tetrahydrofuran	21.0	ug/m3	1.0	0.061	1.74		08/07/17 18:13	109-99-9	
Toluene	1.4	ug/m3	1.3	0.068	1.74		08/07/17 18:13	108-88-3	
1,2,4-Trichlorobenzene	<0.22	ug/m3	6.6	0.22	1.74		08/07/17 18:13	120-82-1	
1,1,1-Trichloroethane	0.86J	ug/m3	1.9	0.11	1.74		08/07/17 18:13	71-55-6	
1,1,2-Trichloroethane	<0.071	ug/m3	0.96	0.071	1.74		08/07/17 18:13	79-00-5	
Trichloroethene	5.4	ug/m3	0.96	0.065	1.74		08/07/17 18:13	79-01-6	
Trichlorofluoromethane	1.7J	ug/m3	2.0	0.13	1.74		08/07/17 18:13	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.080	ug/m3	2.8	0.080	1.74		08/07/17 18:13	76-13-1	
1,2,4-Trimethylbenzene	6.1	ug/m3	1.7	0.060	1.74		08/07/17 18:13	95-63-6	
1,3,5-Trimethylbenzene	1.7J	ug/m3	1.7	0.082	1.74		08/07/17 18:13	108-67-8	
Vinyl acetate	<0.063	ug/m3	1.2	0.063	1.74		08/07/17 18:13	108-05-4	
Vinyl chloride	<0.085	ug/m3	0.45	0.085	1.74		08/07/17 18:13	75-01-4	
m&p-Xylene	5.4	ug/m3	3.1	0.14	1.74		08/07/17 18:13	179601-23-1	
o-Xylene	1.8	ug/m3	1.5	0.070	1.74		08/07/17 18:13	95-47-6	

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ANALYTICAL RESULTS

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

Sample: VP-1 Lab ID: 10398363009 Collected: 08/02/17 16:04 Received: 08/05/17 09:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
Acetone	45.3	ug/m3	4.2	0.52	1.74		08/07/17 18:50	67-64-1	
Benzene	1.1	ug/m3	0.57	0.069	1.74		08/07/17 18:50	71-43-2	
Benzyl chloride	<0.078	ug/m3	1.8	0.078	1.74		08/07/17 18:50	100-44-7	
Bromodichloromethane	<0.058	ug/m3	2.4	0.058	1.74		08/07/17 18:50	75-27-4	
Bromoform	<0.068	ug/m3	3.7	0.068	1.74		08/07/17 18:50	75-25-2	
Bromomethane	<0.092	ug/m3	1.4	0.092	1.74		08/07/17 18:50	74-83-9	
1,3-Butadiene	<0.080	ug/m3	0.78	0.080	1.74		08/07/17 18:50	106-99-0	
2-Butanone (MEK)	39.8	ug/m3	5.2	0.12	1.74		08/07/17 18:50	78-93-3	
Carbon disulfide	1.0J	ug/m3	1.1	0.054	1.74		08/07/17 18:50	75-15-0	
Carbon tetrachloride	0.64J	ug/m3	1.1	0.080	1.74		08/07/17 18:50	56-23-5	
Chlorobenzene	<0.066	ug/m3	1.6	0.066	1.74		08/07/17 18:50	108-90-7	
Chloroethane	1.3	ug/m3	0.94	0.13	1.74		08/07/17 18:50	75-00-3	
Chloroform	8.8	ug/m3	0.86	0.073	1.74		08/07/17 18:50	67-66-3	
Chloromethane	1.4	ug/m3	0.73	0.088	1.74		08/07/17 18:50	74-87-3	
Cyclohexane	1.8	ug/m3	1.2	0.077	1.74		08/07/17 18:50	110-82-7	
Dibromochloromethane	<0.066	ug/m3	3.0	0.066	1.74		08/07/17 18:50	124-48-1	
1,2-Dibromoethane (EDB)	<0.066	ug/m3	2.7	0.066	1.74		08/07/17 18:50	106-93-4	
1,2-Dichlorobenzene	<0.053	ug/m3	2.1	0.053	1.74		08/07/17 18:50	95-50-1	
1,3-Dichlorobenzene	<0.041	ug/m3	2.1	0.041	1.74		08/07/17 18:50	541-73-1	
1,4-Dichlorobenzene	<0.058	ug/m3	2.1	0.058	1.74		08/07/17 18:50	106-46-7	
Dichlorodifluoromethane	21.4	ug/m3	1.8	0.14	1.74		08/07/17 18:50	75-71-8	
1,1-Dichloroethane	<0.090	ug/m3	1.4	0.090	1.74		08/07/17 18:50	75-34-3	
1,2-Dichloroethane	<0.080	ug/m3	0.71	0.080	1.74		08/07/17 18:50	107-06-2	
1,1-Dichloroethene	<0.10	ug/m3	1.4	0.10	1.74		08/07/17 18:50	75-35-4	
cis-1,2-Dichloroethene	<0.093	ug/m3	1.4	0.093	1.74		08/07/17 18:50	156-59-2	
trans-1,2-Dichloroethene	<0.084	ug/m3	1.4	0.084	1.74		08/07/17 18:50	156-60-5	
1,2-Dichloropropane	<0.082	ug/m3	1.6	0.082	1.74		08/07/17 18:50	78-87-5	
cis-1,3-Dichloropropene	<0.033	ug/m3	1.6	0.033	1.74		08/07/17 18:50	10061-01-5	
trans-1,3-Dichloropropene	<0.053	ug/m3	1.6	0.053	1.74		08/07/17 18:50	10061-02-6	
Dichlorotetrafluoroethane	<0.11	ug/m3	2.5	0.11	1.74		08/07/17 18:50	76-14-2	
Ethanol	12.0	ug/m3	1.7	0.42	1.74		08/07/17 18:50	64-17-5	
Ethyl acetate	<0.080	ug/m3	1.3	0.080	1.74		08/07/17 18:50	141-78-6	
Ethylbenzene	10.5	ug/m3	1.5	0.068	1.74		08/07/17 18:50	100-41-4	
4-Ethyltoluene	4.9	ug/m3	1.7	0.052	1.74		08/07/17 18:50	622-96-8	
n-Heptane	8.0	ug/m3	1.4	0.088	1.74		08/07/17 18:50	142-82-5	
Hexachloro-1,3-butadiene	<0.066	ug/m3	9.4	0.066	1.74		08/07/17 18:50	87-68-3	
n-Hexane	4.0	ug/m3	1.3	0.073	1.74		08/07/17 18:50	110-54-3	
2-Hexanone	4.2J	ug/m3	7.2	0.094	1.74		08/07/17 18:50	591-78-6	
Methylene Chloride	52.8	ug/m3	6.1	0.75	1.74		08/07/17 18:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	18.0	ug/m3	7.2	0.10	1.74		08/07/17 18:50	108-10-1	
Methyl-tert-butyl ether	<0.15	ug/m3	6.4	0.15	1.74		08/07/17 18:50	1634-04-4	
Naphthalene	<0.19	ug/m3	4.6	0.19	1.74		08/07/17 18:50	91-20-3	
2-Propanol	<0.24	ug/m3	4.4	0.24	1.74		08/07/17 18:50	67-63-0	
Propylene	12.2	ug/m3	0.61	0.11	1.74		08/07/17 18:50	115-07-1	
Styrene	<0.055	ug/m3	1.5	0.055	1.74		08/07/17 18:50	100-42-5	
1,1,2,2-Tetrachloroethane	<0.065	ug/m3	1.2	0.065	1.74		08/07/17 18:50	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

Sample: VP-1 Lab ID: 10398363009 Collected: 08/02/17 16:04 Received: 08/05/17 09:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Tetrachloroethene	12.7	ug/m3	1.2	0.072	1.74		08/07/17 18:50	127-18-4	
Tetrahydrofuran	7.6	ug/m3	1.0	0.061	1.74		08/07/17 18:50	109-99-9	
Toluene	4.3	ug/m3	1.3	0.068	1.74		08/07/17 18:50	108-88-3	
1,2,4-Trichlorobenzene	<0.22	ug/m3	6.6	0.22	1.74		08/07/17 18:50	120-82-1	
1,1,1-Trichloroethane	2.6	ug/m3	1.9	0.11	1.74		08/07/17 18:50	71-55-6	
1,1,2-Trichloroethane	<0.071	ug/m3	0.96	0.071	1.74		08/07/17 18:50	79-00-5	
Trichloroethene	3.3	ug/m3	0.96	0.065	1.74		08/07/17 18:50	79-01-6	
Trichlorofluoromethane	86.5	ug/m3	2.0	0.13	1.74		08/07/17 18:50	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.080	ug/m3	2.8	0.080	1.74		08/07/17 18:50	76-13-1	
1,2,4-Trimethylbenzene	12.5	ug/m3	1.7	0.060	1.74		08/07/17 18:50	95-63-6	
1,3,5-Trimethylbenzene	7.0	ug/m3	1.7	0.082	1.74		08/07/17 18:50	108-67-8	
Vinyl acetate	1.8	ug/m3	1.2	0.063	1.74		08/07/17 18:50	108-05-4	
Vinyl chloride	<0.085	ug/m3	0.45	0.085	1.74		08/07/17 18:50	75-01-4	
m&p-Xylene	25.4	ug/m3	3.1	0.14	1.74		08/07/17 18:50	179601-23-1	
o-Xylene	13.1	ug/m3	1.5	0.070	1.74		08/07/17 18:50	95-47-6	

Sample: VP-6 Lab ID: 10398363010 Collected: 08/02/17 16:35 Received: 08/05/17 09:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	327	ug/m3	4.3	0.54	1.8		08/07/17 19:25	67-64-1	
Benzene	2.8	ug/m3	0.58	0.072	1.8		08/07/17 19:25	71-43-2	
Benzyl chloride	<0.081	ug/m3	1.9	0.081	1.8		08/07/17 19:25	100-44-7	
Bromodichloromethane	<0.060	ug/m3	2.4	0.060	1.8		08/07/17 19:25	75-27-4	
Bromoform	<0.070	ug/m3	3.8	0.070	1.8		08/07/17 19:25	75-25-2	
Bromomethane	<0.095	ug/m3	1.4	0.095	1.8		08/07/17 19:25	74-83-9	
1,3-Butadiene	<0.083	ug/m3	0.81	0.083	1.8		08/07/17 19:25	106-99-0	
2-Butanone (MEK)	143	ug/m3	5.4	0.12	1.8		08/07/17 19:25	78-93-3	
Carbon disulfide	14.5	ug/m3	1.1	0.056	1.8		08/07/17 19:25	75-15-0	
Carbon tetrachloride	<0.083	ug/m3	1.2	0.083	1.8		08/07/17 19:25	56-23-5	
Chlorobenzene	<0.069	ug/m3	1.7	0.069	1.8		08/07/17 19:25	108-90-7	
Chloroethane	<0.14	ug/m3	0.97	0.14	1.8		08/07/17 19:25	75-00-3	
Chloroform	2.2	ug/m3	0.89	0.075	1.8		08/07/17 19:25	67-66-3	
Chloromethane	<0.091	ug/m3	0.76	0.091	1.8		08/07/17 19:25	74-87-3	
Cyclohexane	4.4	ug/m3	1.3	0.080	1.8		08/07/17 19:25	110-82-7	
Dibromochloromethane	<0.068	ug/m3	3.1	0.068	1.8		08/07/17 19:25	124-48-1	
1,2-Dibromoethane (EDB)	<0.068	ug/m3	2.8	0.068	1.8		08/07/17 19:25	106-93-4	
1,2-Dichlorobenzene	<0.055	ug/m3	2.2	0.055	1.8		08/07/17 19:25	95-50-1	
1,3-Dichlorobenzene	<0.042	ug/m3	2.2	0.042	1.8		08/07/17 19:25	541-73-1	
1,4-Dichlorobenzene	<0.060	ug/m3	2.2	0.060	1.8		08/07/17 19:25	106-46-7	
Dichlorodifluoromethane	2.9	ug/m3	1.8	0.15	1.8		08/07/17 19:25	75-71-8	
1,1-Dichloroethane	<0.093	ug/m3	1.5	0.093	1.8		08/07/17 19:25	75-34-3	
1,2-Dichloroethane	<0.082	ug/m3	0.74	0.082	1.8		08/07/17 19:25	107-06-2	

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ANALYTICAL RESULTS

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

Sample: VP-6 **Lab ID: 10398363010** Collected: 08/02/17 16:35 Received: 08/05/17 09:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
1,1-Dichloroethene	<0.11	ug/m3	1.5	0.11	1.8		08/07/17 19:25	75-35-4	
cis-1,2-Dichloroethene	<0.097	ug/m3	1.5	0.097	1.8		08/07/17 19:25	156-59-2	
trans-1,2-Dichloroethene	<0.087	ug/m3	1.5	0.087	1.8		08/07/17 19:25	156-60-5	
1,2-Dichloropropane	<0.085	ug/m3	1.7	0.085	1.8		08/07/17 19:25	78-87-5	
cis-1,3-Dichloropropene	<0.034	ug/m3	1.7	0.034	1.8		08/07/17 19:25	10061-01-5	
trans-1,3-Dichloropropene	<0.055	ug/m3	1.7	0.055	1.8		08/07/17 19:25	10061-02-6	
Dichlorotetrafluoroethane	<0.11	ug/m3	2.6	0.11	1.8		08/07/17 19:25	76-14-2	
Ethanol	68.1	ug/m3	1.7	0.44	1.8		08/07/17 19:25	64-17-5	
Ethyl acetate	<0.083	ug/m3	1.3	0.083	1.8		08/07/17 19:25	141-78-6	
Ethylbenzene	5.3	ug/m3	1.6	0.070	1.8		08/07/17 19:25	100-41-4	
4-Ethyltoluene	1.9	ug/m3	1.8	0.054	1.8		08/07/17 19:25	622-96-8	
n-Heptane	8.5	ug/m3	1.5	0.091	1.8		08/07/17 19:25	142-82-5	
Hexachloro-1,3-butadiene	<0.068	ug/m3	9.8	0.068	1.8		08/07/17 19:25	87-68-3	
n-Hexane	5.0	ug/m3	1.3	0.075	1.8		08/07/17 19:25	110-54-3	
2-Hexanone	5.9J	ug/m3	7.5	0.097	1.8		08/07/17 19:25	591-78-6	
Methylene Chloride	7.5	ug/m3	6.4	0.78	1.8		08/07/17 19:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	2.4J	ug/m3	7.5	0.10	1.8		08/07/17 19:25	108-10-1	
Methyl-tert-butyl ether	<0.15	ug/m3	6.6	0.15	1.8		08/07/17 19:25	1634-04-4	
Naphthalene	<0.20	ug/m3	4.8	0.20	1.8		08/07/17 19:25	91-20-3	
2-Propanol	29.7	ug/m3	4.5	0.25	1.8		08/07/17 19:25	67-63-0	
Propylene	<0.11	ug/m3	0.63	0.11	1.8		08/07/17 19:25	115-07-1	
Styrene	<0.057	ug/m3	1.6	0.057	1.8		08/07/17 19:25	100-42-5	
1,1,2,2-Tetrachloroethane	<0.068	ug/m3	1.3	0.068	1.8		08/07/17 19:25	79-34-5	
Tetrachloroethene	19.4	ug/m3	1.2	0.075	1.8		08/07/17 19:25	127-18-4	
Tetrahydrofuran	33.6	ug/m3	1.1	0.063	1.8		08/07/17 19:25	109-99-9	
Toluene	13.9	ug/m3	1.4	0.070	1.8		08/07/17 19:25	108-88-3	
1,2,4-Trichlorobenzene	<0.23	ug/m3	6.8	0.23	1.8		08/07/17 19:25	120-82-1	
1,1,1-Trichloroethane	<0.11	ug/m3	2.0	0.11	1.8		08/07/17 19:25	71-55-6	
1,1,2-Trichloroethane	<0.073	ug/m3	0.99	0.073	1.8		08/07/17 19:25	79-00-5	
Trichloroethene	<0.067	ug/m3	0.99	0.067	1.8		08/07/17 19:25	79-01-6	
Trichlorofluoromethane	2.1	ug/m3	2.1	0.13	1.8		08/07/17 19:25	75-69-4	
1,1,2-Trichlorotrifluoroethane	1.2J	ug/m3	2.9	0.083	1.8		08/07/17 19:25	76-13-1	
1,2,4-Trimethylbenzene	10.9	ug/m3	1.8	0.062	1.8		08/07/17 19:25	95-63-6	
1,3,5-Trimethylbenzene	3.2	ug/m3	1.8	0.085	1.8		08/07/17 19:25	108-67-8	
Vinyl acetate	<0.065	ug/m3	1.3	0.065	1.8		08/07/17 19:25	108-05-4	
Vinyl chloride	<0.087	ug/m3	0.47	0.087	1.8		08/07/17 19:25	75-01-4	
m&p-Xylene	13.1	ug/m3	3.2	0.14	1.8		08/07/17 19:25	179601-23-1	
o-Xylene	7.3	ug/m3	1.6	0.072	1.8		08/07/17 19:25	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

QC Batch: 489598 Analysis Method: TO-15
 QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
 Associated Lab Samples: 10398363001, 10398363002, 10398363003, 10398363004, 10398363005, 10398363006, 10398363007, 10398363008, 10398363009, 10398363010

METHOD BLANK: 2663824 Matrix: Air
 Associated Lab Samples: 10398363001, 10398363002, 10398363003, 10398363004, 10398363005, 10398363006, 10398363007, 10398363008, 10398363009, 10398363010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.062	1.1	08/07/17 11:01	
1,1,2,2-Tetrachloroethane	ug/m3	<0.038	0.70	08/07/17 11:01	
1,1,2-Trichloroethane	ug/m3	<0.041	0.55	08/07/17 11:01	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.046	1.6	08/07/17 11:01	
1,1-Dichloroethane	ug/m3	<0.052	0.82	08/07/17 11:01	
1,1-Dichloroethene	ug/m3	<0.059	0.81	08/07/17 11:01	
1,2,4-Trichlorobenzene	ug/m3	<0.13	3.8	08/07/17 11:01	
1,2,4-Trimethylbenzene	ug/m3	<0.034	1.0	08/07/17 11:01	
1,2-Dibromoethane (EDB)	ug/m3	<0.038	1.6	08/07/17 11:01	
1,2-Dichlorobenzene	ug/m3	<0.030	1.2	08/07/17 11:01	
1,2-Dichloroethane	ug/m3	<0.046	0.41	08/07/17 11:01	
1,2-Dichloropropane	ug/m3	<0.047	0.94	08/07/17 11:01	
1,3,5-Trimethylbenzene	ug/m3	<0.047	1.0	08/07/17 11:01	
1,3-Butadiene	ug/m3	<0.046	0.45	08/07/17 11:01	
1,3-Dichlorobenzene	ug/m3	<0.024	1.2	08/07/17 11:01	
1,4-Dichlorobenzene	ug/m3	<0.034	1.2	08/07/17 11:01	
2-Butanone (MEK)	ug/m3	<0.068	3.0	08/07/17 11:01	
2-Hexanone	ug/m3	<0.054	4.2	08/07/17 11:01	
2-Propanol	ug/m3	<0.14	2.5	08/07/17 11:01	
4-Ethyltoluene	ug/m3	<0.030	1.0	08/07/17 11:01	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.058	4.2	08/07/17 11:01	
Acetone	ug/m3	<0.30	2.4	08/07/17 11:01	
Benzene	ug/m3	<0.040	0.32	08/07/17 11:01	
Benzyl chloride	ug/m3	<0.045	1.0	08/07/17 11:01	
Bromodichloromethane	ug/m3	<0.034	1.4	08/07/17 11:01	
Bromoform	ug/m3	<0.039	2.1	08/07/17 11:01	
Bromomethane	ug/m3	<0.053	0.79	08/07/17 11:01	
Carbon disulfide	ug/m3	<0.031	0.63	08/07/17 11:01	
Carbon tetrachloride	ug/m3	<0.046	0.64	08/07/17 11:01	
Chlorobenzene	ug/m3	<0.038	0.94	08/07/17 11:01	
Chloroethane	ug/m3	<0.076	0.54	08/07/17 11:01	
Chloroform	ug/m3	<0.042	0.50	08/07/17 11:01	
Chloromethane	ug/m3	<0.051	0.42	08/07/17 11:01	
cis-1,2-Dichloroethene	ug/m3	<0.054	0.81	08/07/17 11:01	
cis-1,3-Dichloropropene	ug/m3	<0.019	0.92	08/07/17 11:01	
Cyclohexane	ug/m3	<0.044	0.70	08/07/17 11:01	
Dibromochloromethane	ug/m3	<0.038	1.7	08/07/17 11:01	
Dichlorodifluoromethane	ug/m3	<0.083	1.0	08/07/17 11:01	
Dichlorotetrafluoroethane	ug/m3	<0.062	1.4	08/07/17 11:01	
Ethanol	ug/m3	<0.24	0.96	08/07/17 11:01	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

METHOD BLANK: 2663824

Matrix: Air

Associated Lab Samples: 10398363001, 10398363002, 10398363003, 10398363004, 10398363005, 10398363006, 10398363007, 10398363008, 10398363009, 10398363010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	<0.046	0.73	08/07/17 11:01	
Ethylbenzene	ug/m3	<0.039	0.88	08/07/17 11:01	
Hexachloro-1,3-butadiene	ug/m3	<0.038	5.4	08/07/17 11:01	MN
m&p-Xylene	ug/m3	<0.079	1.8	08/07/17 11:01	
Methyl-tert-butyl ether	ug/m3	<0.086	3.7	08/07/17 11:01	
Methylene Chloride	ug/m3	<0.43	3.5	08/07/17 11:01	
n-Heptane	ug/m3	<0.050	0.83	08/07/17 11:01	
n-Hexane	ug/m3	<0.042	0.72	08/07/17 11:01	
Naphthalene	ug/m3	<0.11	2.7	08/07/17 11:01	
o-Xylene	ug/m3	<0.040	0.88	08/07/17 11:01	
Propylene	ug/m3	<0.063	0.35	08/07/17 11:01	
Styrene	ug/m3	<0.031	0.87	08/07/17 11:01	
Tetrachloroethene	ug/m3	<0.042	0.69	08/07/17 11:01	
Tetrahydrofuran	ug/m3	<0.035	0.60	08/07/17 11:01	
Toluene	ug/m3	0.39J	0.77	08/07/17 11:01	
trans-1,2-Dichloroethene	ug/m3	<0.048	0.81	08/07/17 11:01	
trans-1,3-Dichloropropene	ug/m3	<0.030	0.92	08/07/17 11:01	
Trichloroethene	ug/m3	<0.037	0.55	08/07/17 11:01	
Trichlorofluoromethane	ug/m3	<0.073	1.1	08/07/17 11:01	
Vinyl acetate	ug/m3	<0.036	0.72	08/07/17 11:01	
Vinyl chloride	ug/m3	<0.049	0.26	08/07/17 11:01	

LABORATORY CONTROL SAMPLE: 2663825

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	55.6	100	70-134	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	73.1	105	70-130	
1,1,2-Trichloroethane	ug/m3	55.5	56.7	102	70-130	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	77.6	100	70-130	
1,1-Dichloroethane	ug/m3	41.1	41.4	101	70-130	
1,1-Dichloroethene	ug/m3	40.3	41.0	102	70-130	
1,2,4-Trichlorobenzene	ug/m3	75.4	80.2	106	60-150	
1,2,4-Trimethylbenzene	ug/m3	50	50.7	102	70-136	
1,2-Dibromoethane (EDB)	ug/m3	78.1	79.2	101	70-130	
1,2-Dichlorobenzene	ug/m3	61.1	61.5	101	70-139	
1,2-Dichloroethane	ug/m3	41.1	41.2	100	70-130	
1,2-Dichloropropane	ug/m3	47	49.0	104	70-131	
1,3,5-Trimethylbenzene	ug/m3	50	50.7	101	70-133	
1,3-Butadiene	ug/m3	22.5	24.2	108	70-130	
1,3-Dichlorobenzene	ug/m3	61.1	60.7	99	70-144	
1,4-Dichlorobenzene	ug/m3	61.1	59.6	98	70-139	
2-Butanone (MEK)	ug/m3	30	34.4	115	70-130	
2-Hexanone	ug/m3	104	107	103	70-138	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

LABORATORY CONTROL SAMPLE: 2663825

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Propanol	ug/m3	125	123	99	70-130	
4-Ethyltoluene	ug/m3	50	50.7	101	70-135	
4-Methyl-2-pentanone (MIBK)	ug/m3	104	105	101	70-130	
Acetone	ug/m3	121	115	95	64-130	
Benzene	ug/m3	32.5	32.6	100	70-130	
Benzyl chloride	ug/m3	52.6	59.5	113	70-144	
Bromodichloromethane	ug/m3	68.1	71.4	105	70-134	
Bromoform	ug/m3	105	134	128	70-150	
Bromomethane	ug/m3	39.5	40.4	102	70-130	
Carbon disulfide	ug/m3	31.6	31.9	101	70-134	
Carbon tetrachloride	ug/m3	64	72.9	114	68-150	
Chlorobenzene	ug/m3	46.8	45.9	98	70-132	
Chloroethane	ug/m3	26.8	29.5	110	70-132	
Chloroform	ug/m3	49.6	49.2	99	70-130	
Chloromethane	ug/m3	21	21.4	102	70-130	
cis-1,2-Dichloroethene	ug/m3	40.3	41.3	102	70-133	
cis-1,3-Dichloropropene	ug/m3	46.1	48.0	104	70-137	
Cyclohexane	ug/m3	35	36.2	104	70-130	
Dibromochloromethane	ug/m3	86.6	96.2	111	70-144	
Dichlorodifluoromethane	ug/m3	50.3	50.4	100	70-130	
Dichlorotetrafluoroethane	ug/m3	71	71.1	100	70-130	
Ethanol	ug/m3	91.6	99.7	109	70-136	
Ethyl acetate	ug/m3	36.6	37.9	103	70-130	
Ethylbenzene	ug/m3	44.1	44.5	101	70-134	
Hexachloro-1,3-butadiene	ug/m3	108	121	112	45-150	
m&p-Xylene	ug/m3	88.3	88.1	100	70-130	
Methyl-tert-butyl ether	ug/m3	91.6	90.2	99	66-148	
Methylene Chloride	ug/m3	177	168	95	67-133	
n-Heptane	ug/m3	41.6	42.7	103	70-130	
n-Hexane	ug/m3	35.8	36.2	101	67-132	
Naphthalene	ug/m3	53.3	58.0	109	53-150	
o-Xylene	ug/m3	44.1	43.7	99	70-130	
Propylene	ug/m3	17.5	18.9	108	70-135	
Styrene	ug/m3	43.3	46.6	108	70-139	
Tetrachloroethene	ug/m3	68.9	68.0	99	70-130	
Tetrahydrofuran	ug/m3	30	32.5	108	70-130	
Toluene	ug/m3	38.3	38.1	100	70-130	
trans-1,2-Dichloroethene	ug/m3	40.3	40.8	101	70-131	
trans-1,3-Dichloropropene	ug/m3	46.1	49.6	107	70-142	
Trichloroethene	ug/m3	54.6	53.5	98	70-130	
Trichlorofluoromethane	ug/m3	57.1	56.3	99	70-130	
Vinyl acetate	ug/m3	35.8	38.1	107	70-137	
Vinyl chloride	ug/m3	26	27.0	104	70-130	

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QUALITY CONTROL DATA

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

SAMPLE DUPLICATE: 2664015

Parameter	Units	10398231011 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<0.089		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	<0.054		25	
1,1,2-Trichloroethane	ug/m3	ND	<0.058		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	<0.066		25	
1,1-Dichloroethane	ug/m3	ND	<0.074		25	
1,1-Dichloroethene	ug/m3	ND	<0.085		25	
1,2,4-Trichlorobenzene	ug/m3	ND	<0.18		25	
1,2,4-Trimethylbenzene	ug/m3	ND	0.90J		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	<0.055		25	
1,2-Dichlorobenzene	ug/m3	ND	<0.044		25	
1,2-Dichloroethane	ug/m3	ND	<0.066		25	
1,2-Dichloropropane	ug/m3	ND	<0.068		25	
1,3,5-Trimethylbenzene	ug/m3	ND	<0.068		25	
1,3-Butadiene	ug/m3	ND	<0.066		25	
1,3-Dichlorobenzene	ug/m3	ND	<0.034		25	
1,4-Dichlorobenzene	ug/m3	ND	<0.048		25	
2-Butanone (MEK)	ug/m3	6.3	6.3	1	25	
2-Hexanone	ug/m3	ND	<0.077		25	
2-Propanol	ug/m3	5.9	5.8	1	25	
4-Ethyltoluene	ug/m3	ND	<0.043		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83J		25	
Acetone	ug/m3	47.6	47.3	1	25	
Benzene	ug/m3	1.1	1.1	2	25	
Benzyl chloride	ug/m3	ND	<0.065		25	
Bromodichloromethane	ug/m3	ND	<0.048		25	
Bromoform	ug/m3	ND	<0.056		25	
Bromomethane	ug/m3	ND	<0.076		25	
Carbon disulfide	ug/m3	ND	0.86J		25	
Carbon tetrachloride	ug/m3	ND	<0.066		25	
Chlorobenzene	ug/m3	ND	<0.055		25	
Chloroethane	ug/m3	ND	<0.11		25	
Chloroform	ug/m3	ND	<0.060		25	
Chloromethane	ug/m3	0.80	0.86	6	25	
cis-1,2-Dichloroethene	ug/m3	ND	<0.077		25	
cis-1,3-Dichloropropene	ug/m3	ND	<0.027		25	
Cyclohexane	ug/m3	1.1	1.1	5	25	
Dibromochloromethane	ug/m3	ND	<0.055		25	
Dichlorodifluoromethane	ug/m3	1.6	1.7	2	25	
Dichlorotetrafluoroethane	ug/m3	ND	<0.090		25	
Ethanol	ug/m3	40.9	41.1	0	25	
Ethyl acetate	ug/m3	4.1	4.2	3	25	
Ethylbenzene	ug/m3	1.5	1.5	1	25	
Hexachloro-1,3-butadiene	ug/m3	ND	<0.054		25	
m&p-Xylene	ug/m3	3.9	4.0	1	25	
Methyl-tert-butyl ether	ug/m3	ND	<0.12		25	
Methylene Chloride	ug/m3	ND	3.9J		25	
n-Heptane	ug/m3	ND	<0.073		25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

SAMPLE DUPLICATE: 2664015

Parameter	Units	10398231011 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	2.5	2.5	1	25	
Naphthalene	ug/m3	ND	<0.16		25	
o-Xylene	ug/m3	1.6	1.7	2	25	
Propylene	ug/m3	ND	<0.091		25	
Styrene	ug/m3	ND	0.79J		25	
Tetrachloroethene	ug/m3	54.7	55.3	1	25	
Tetrahydrofuran	ug/m3	ND	<0.051		25	
Toluene	ug/m3	5.8	5.8	0	25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.070		25	
trans-1,3-Dichloropropene	ug/m3	ND	<0.044		25	
Trichloroethene	ug/m3	6.6	6.7	1	25	
Trichlorofluoromethane	ug/m3	ND	1.1J		25	
Vinyl acetate	ug/m3	1.6	1.7	2	25	
Vinyl chloride	ug/m3	ND	<0.070		25	

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QUALIFIERS

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

E Analyte concentration exceeded the calibration range. The reported result is estimated.

MN The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0403363 Kraft Heinz Foods Co

Pace Project No.: 10398363

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10398363001	VP-10	TO-15	489598		
10398363002	VP-9	TO-15	489598		
10398363003	VP-7	TO-15	489598		
10398363004	VP-8	TO-15	489598		
10398363005	VP-2	TO-15	489598		
10398363006	VP-3	TO-15	489598		
10398363007	VP-4	TO-15	489598		
10398363008	VP-5	TO-15	489598		
10398363009	VP-1	TO-15	489598		
10398363010	VP-6	TO-15	489598		

REPORT OF LABORATORY ANALYSIS

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September 13, 2017

David De Courcy-Bower
ERM
700 West Virginia Street
Suite 601
Milwaukee, WI 53204

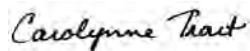
RE: Project: 0403363 Kraft
Pace Project No.: 10402232

Dear David Courcy-Bower:

Enclosed are the analytical results for sample(s) received by the laboratory on September 07, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Carolynne Trout
carolynne.trout@pacelabs.com
1(612)607-6351
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0403363 Kraft

Pace Project No.: 10402232

Minnesota Certification IDs

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: UST-078

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas Certification #: 88-0680

California Certification #: MN00064

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming Certification #: via MN 027-053-137

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: MN00064

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon NwTPH Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DW Certification #: 9952 C

West Virginia DEP Certification #: 382

Wisconsin Certification #: 999407970

Wyoming via EPA Region 8 Certification #: 8TMS-L

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SAMPLE SUMMARY

Project: 0403363 Kraft

Pace Project No.: 10402232

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10402232001	VP-11	Air	09/06/17 14:07	09/07/17 11:45
10402232002	VP-12	Air	09/06/17 14:32	09/07/17 11:45
10402232003	VP-13	Air	09/06/17 15:02	09/07/17 11:45
10402232004	VP-14	Air	09/06/17 15:28	09/07/17 11:45
10402232005	VP-15	Air	09/06/17 15:53	09/07/17 11:45
10402232006	VP-16	Air	09/06/17 16:17	09/07/17 11:45

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SAMPLE ANALYTE COUNT

Project: 0403363 Kraft

Pace Project No.: 10402232

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10402232001	VP-11	TO-15	MJL	61	PASI-M
10402232002	VP-12	TO-15	MJL	61	PASI-M
10402232003	VP-13	TO-15	MJL	61	PASI-M
10402232004	VP-14	TO-15	MJL	61	PASI-M
10402232005	VP-15	TO-15	MJL	61	PASI-M
10402232006	VP-16	TO-15	MJL	61	PASI-M

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 Kraft

Pace Project No.: 10402232

Sample: VP-11 **Lab ID:** 10402232001 Collected: 09/06/17 14:07 Received: 09/07/17 11:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Acetone	2030	ug/m3	164	102	67.87		09/12/17 20:19	67-64-1	
Benzene	19.0	ug/m3	1.3	0.31	2.02		09/11/17 20:41	71-43-2	
Benzyl chloride	<0.48	ug/m3	2.1	0.48	2.02		09/11/17 20:41	100-44-7	
Bromodichloromethane	<0.72	ug/m3	2.7	0.72	2.02		09/11/17 20:41	75-27-4	
Bromoform	<1.4	ug/m3	10.6	1.4	2.02		09/11/17 20:41	75-25-2	
Bromomethane	<0.42	ug/m3	1.6	0.42	2.02		09/11/17 20:41	74-83-9	
1,3-Butadiene	<0.42	ug/m3	0.91	0.42	2.02		09/11/17 20:41	106-99-0	
2-Butanone (MEK)	35.7	ug/m3	6.1	0.41	2.02		09/11/17 20:41	78-93-3	
Carbon disulfide	4.8	ug/m3	1.3	0.36	2.02		09/11/17 20:41	75-15-0	L1
Carbon tetrachloride	1.3J	ug/m3	1.3	0.64	2.02		09/11/17 20:41	56-23-5	
Chlorobenzene	<0.36	ug/m3	1.9	0.36	2.02		09/11/17 20:41	108-90-7	
Chloroethane	<0.41	ug/m3	1.1	0.41	2.02		09/11/17 20:41	75-00-3	
Chloroform	11.3	ug/m3	1.0	0.47	2.02		09/11/17 20:41	67-66-3	
Chloromethane	<0.27	ug/m3	0.85	0.27	2.02		09/11/17 20:41	74-87-3	
Cyclohexane	44.9	ug/m3	1.4	0.46	2.02		09/11/17 20:41	110-82-7	
Dibromochloromethane	<0.89	ug/m3	3.5	0.89	2.02		09/11/17 20:41	124-48-1	
1,2-Dibromoethane (EDB)	<0.67	ug/m3	3.2	0.67	2.02		09/11/17 20:41	106-93-4	
1,2-Dichlorobenzene	<0.66	ug/m3	2.5	0.66	2.02		09/11/17 20:41	95-50-1	
1,3-Dichlorobenzene	<0.94	ug/m3	2.5	0.94	2.02		09/11/17 20:41	541-73-1	
1,4-Dichlorobenzene	<0.42	ug/m3	2.5	0.42	2.02		09/11/17 20:41	106-46-7	
Dichlorodifluoromethane	113	ug/m3	2.0	0.84	2.02		09/11/17 20:41	75-71-8	
1,1-Dichloroethane	<0.43	ug/m3	1.7	0.43	2.02		09/11/17 20:41	75-34-3	
1,2-Dichloroethane	<0.40	ug/m3	1.7	0.40	2.02		09/11/17 20:41	107-06-2	
1,1-Dichloroethene	<0.48	ug/m3	1.6	0.48	2.02		09/11/17 20:41	75-35-4	
cis-1,2-Dichloroethene	25.2	ug/m3	1.6	0.69	2.02		09/11/17 20:41	156-59-2	
trans-1,2-Dichloroethene	7.2	ug/m3	1.6	0.60	2.02		09/11/17 20:41	156-60-5	
1,2-Dichloropropane	<0.62	ug/m3	1.9	0.62	2.02		09/11/17 20:41	78-87-5	
cis-1,3-Dichloropropene	<0.49	ug/m3	1.9	0.49	2.02		09/11/17 20:41	10061-01-5	
trans-1,3-Dichloropropene	<0.85	ug/m3	1.9	0.85	2.02		09/11/17 20:41	10061-02-6	
Dichlorotetrafluoroethane	<0.89	ug/m3	2.9	0.89	2.02		09/11/17 20:41	76-14-2	
Ethanol	36.8	ug/m3	3.9	0.94	2.02		09/11/17 20:41	64-17-5	
Ethyl acetate	<0.40	ug/m3	1.5	0.40	2.02		09/11/17 20:41	141-78-6	
Ethylbenzene	40.5	ug/m3	1.8	0.35	2.02		09/11/17 20:41	100-41-4	
4-Ethyltoluene	4.2	ug/m3	2.0	0.43	2.02		09/11/17 20:41	622-96-8	
n-Heptane	69.4	ug/m3	1.7	0.42	2.02		09/11/17 20:41	142-82-5	
Hexachloro-1,3-butadiene	<1.8	ug/m3	4.4	1.8	2.02		09/11/17 20:41	87-68-3	
n-Hexane	124	ug/m3	1.5	0.67	2.02		09/11/17 20:41	110-54-3	
2-Hexanone	<1.2	ug/m3	8.4	1.2	2.02		09/11/17 20:41	591-78-6	
Methylene Chloride	10.1	ug/m3	7.1	3.1	2.02		09/11/17 20:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.72	ug/m3	8.4	0.72	2.02		09/11/17 20:41	108-10-1	
Methyl-tert-butyl ether	<1.3	ug/m3	7.4	1.3	2.02		09/11/17 20:41	1634-04-4	
Naphthalene	7.8	ug/m3	5.4	1.2	2.02		09/11/17 20:41	91-20-3	
2-Propanol	185	ug/m3	5.0	2.5	2.02		09/11/17 20:41	67-63-0	
Propylene	<0.32	ug/m3	0.71	0.32	2.02		09/11/17 20:41	115-07-1	
Styrene	<0.34	ug/m3	1.8	0.34	2.02		09/11/17 20:41	100-42-5	
1,1,2,2-Tetrachloroethane	<0.59	ug/m3	2.8	0.59	2.02		09/11/17 20:41	79-34-5	

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ANALYTICAL RESULTS

Project: 0403363 Kraft

Pace Project No.: 10402232

Sample: VP-11 **Lab ID: 10402232001** Collected: 09/06/17 14:07 Received: 09/07/17 11:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Tetrachloroethene	368	ug/m3	2.8	0.58	2.02		09/11/17 20:41	127-18-4	
Tetrahydrofuran	<0.55	ug/m3	1.2	0.55	2.02		09/11/17 20:41	109-99-9	
Toluene	89.9	ug/m3	1.6	0.32	2.02		09/11/17 20:41	108-88-3	
1,2,4-Trichlorobenzene	<1.9	ug/m3	7.6	1.9	2.02		09/11/17 20:41	120-82-1	
1,1,1-Trichloroethane	2.4	ug/m3	2.2	0.69	2.02		09/11/17 20:41	71-55-6	
1,1,2-Trichloroethane	<0.45	ug/m3	2.2	0.45	2.02		09/11/17 20:41	79-00-5	
Trichloroethene	927	ug/m3	74.1	18.2	67.87		09/12/17 20:19	79-01-6	
Trichlorofluoromethane	<0.84	ug/m3	2.3	0.84	2.02		09/11/17 20:41	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.75	ug/m3	3.2	0.75	2.02		09/11/17 20:41	76-13-1	
1,2,4-Trimethylbenzene	23.4	ug/m3	2.0	0.35	2.02		09/11/17 20:41	95-63-6	
1,3,5-Trimethylbenzene	6.7	ug/m3	2.0	0.83	2.02		09/11/17 20:41	108-67-8	
Vinyl acetate	<0.32	ug/m3	1.4	0.32	2.02		09/11/17 20:41	108-05-4	
Vinyl chloride	<0.25	ug/m3	1.1	0.25	2.02		09/11/17 20:41	75-01-4	
m&p-Xylene	42.9	ug/m3	3.6	0.70	2.02		09/11/17 20:41	179601-23-1	
o-Xylene	18.1	ug/m3	1.8	0.75	2.02		09/11/17 20:41	95-47-6	

Sample: VP-12 **Lab ID: 10402232002** Collected: 09/06/17 14:32 Received: 09/07/17 11:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	1180	ug/m3	4.9	3.0	2.02		09/11/17 21:08	67-64-1	E
Benzene	22.9	ug/m3	1.3	0.31	2.02		09/11/17 21:08	71-43-2	
Benzyl chloride	<0.48	ug/m3	2.1	0.48	2.02		09/11/17 21:08	100-44-7	
Bromodichloromethane	<0.72	ug/m3	2.7	0.72	2.02		09/11/17 21:08	75-27-4	
Bromoform	<1.4	ug/m3	10.6	1.4	2.02		09/11/17 21:08	75-25-2	
Bromomethane	<0.42	ug/m3	1.6	0.42	2.02		09/11/17 21:08	74-83-9	
1,3-Butadiene	<0.42	ug/m3	0.91	0.42	2.02		09/11/17 21:08	106-99-0	
2-Butanone (MEK)	76.1	ug/m3	6.1	0.41	2.02		09/11/17 21:08	78-93-3	
Carbon disulfide	3.3	ug/m3	1.3	0.36	2.02		09/11/17 21:08	75-15-0	L1
Carbon tetrachloride	0.91J	ug/m3	1.3	0.64	2.02		09/11/17 21:08	56-23-5	
Chlorobenzene	<0.36	ug/m3	1.9	0.36	2.02		09/11/17 21:08	108-90-7	
Chloroethane	<0.41	ug/m3	1.1	0.41	2.02		09/11/17 21:08	75-00-3	
Chloroform	4.1	ug/m3	1.0	0.47	2.02		09/11/17 21:08	67-66-3	
Chloromethane	<0.27	ug/m3	0.85	0.27	2.02		09/11/17 21:08	74-87-3	
Cyclohexane	99.4	ug/m3	1.4	0.46	2.02		09/11/17 21:08	110-82-7	
Dibromochloromethane	<0.89	ug/m3	3.5	0.89	2.02		09/11/17 21:08	124-48-1	
1,2-Dibromoethane (EDB)	<0.67	ug/m3	3.2	0.67	2.02		09/11/17 21:08	106-93-4	
1,2-Dichlorobenzene	<0.66	ug/m3	2.5	0.66	2.02		09/11/17 21:08	95-50-1	
1,3-Dichlorobenzene	<0.94	ug/m3	2.5	0.94	2.02		09/11/17 21:08	541-73-1	
1,4-Dichlorobenzene	<0.42	ug/m3	2.5	0.42	2.02		09/11/17 21:08	106-46-7	
Dichlorodifluoromethane	115	ug/m3	2.0	0.84	2.02		09/11/17 21:08	75-71-8	
1,1-Dichloroethane	<0.43	ug/m3	1.7	0.43	2.02		09/11/17 21:08	75-34-3	
1,2-Dichloroethane	<0.40	ug/m3	1.7	0.40	2.02		09/11/17 21:08	107-06-2	

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ANALYTICAL RESULTS

Project: 0403363 Kraft

Pace Project No.: 10402232

Sample: VP-12 **Lab ID:** 10402232002 Collected: 09/06/17 14:32 Received: 09/07/17 11:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Dichloroethene	<0.48	ug/m3	1.6	0.48	2.02		09/11/17 21:08	75-35-4	
cis-1,2-Dichloroethene	1.4J	ug/m3	1.6	0.69	2.02		09/11/17 21:08	156-59-2	
trans-1,2-Dichloroethene	<0.60	ug/m3	1.6	0.60	2.02		09/11/17 21:08	156-60-5	
1,2-Dichloropropane	<0.62	ug/m3	1.9	0.62	2.02		09/11/17 21:08	78-87-5	
cis-1,3-Dichloropropene	<0.49	ug/m3	1.9	0.49	2.02		09/11/17 21:08	10061-01-5	
trans-1,3-Dichloropropene	<0.85	ug/m3	1.9	0.85	2.02		09/11/17 21:08	10061-02-6	
Dichlorotetrafluoroethane	<0.89	ug/m3	2.9	0.89	2.02		09/11/17 21:08	76-14-2	
Ethanol	114	ug/m3	3.9	0.94	2.02		09/11/17 21:08	64-17-5	
Ethyl acetate	1.6	ug/m3	1.5	0.40	2.02		09/11/17 21:08	141-78-6	
Ethylbenzene	59.2	ug/m3	1.8	0.35	2.02		09/11/17 21:08	100-41-4	
4-Ethyltoluene	9.2	ug/m3	2.0	0.43	2.02		09/11/17 21:08	622-96-8	
n-Heptane	122	ug/m3	1.7	0.42	2.02		09/11/17 21:08	142-82-5	
Hexachloro-1,3-butadiene	<1.8	ug/m3	4.4	1.8	2.02		09/11/17 21:08	87-68-3	
n-Hexane	193	ug/m3	1.5	0.67	2.02		09/11/17 21:08	110-54-3	
2-Hexanone	<1.2	ug/m3	8.4	1.2	2.02		09/11/17 21:08	591-78-6	
Methylene Chloride	22.1	ug/m3	7.1	3.1	2.02		09/11/17 21:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	1.2J	ug/m3	8.4	0.72	2.02		09/11/17 21:08	108-10-1	
Methyl-tert-butyl ether	<1.3	ug/m3	7.4	1.3	2.02		09/11/17 21:08	1634-04-4	
Naphthalene	15.9	ug/m3	5.4	1.2	2.02		09/11/17 21:08	91-20-3	
2-Propanol	265	ug/m3	5.0	2.5	2.02		09/11/17 21:08	67-63-0	
Propylene	<0.32	ug/m3	0.71	0.32	2.02		09/11/17 21:08	115-07-1	
Styrene	<0.34	ug/m3	1.8	0.34	2.02		09/11/17 21:08	100-42-5	
1,1,2,2-Tetrachloroethane	<0.59	ug/m3	2.8	0.59	2.02		09/11/17 21:08	79-34-5	
Tetrachloroethene	24.2	ug/m3	2.8	0.58	2.02		09/11/17 21:08	127-18-4	
Tetrahydrofuran	<0.55	ug/m3	1.2	0.55	2.02		09/11/17 21:08	109-99-9	
Toluene	127	ug/m3	1.6	0.32	2.02		09/11/17 21:08	108-88-3	
1,2,4-Trichlorobenzene	<1.9	ug/m3	7.6	1.9	2.02		09/11/17 21:08	120-82-1	
1,1,1-Trichloroethane	2.0J	ug/m3	2.2	0.69	2.02		09/11/17 21:08	71-55-6	
1,1,2-Trichloroethane	<0.45	ug/m3	2.2	0.45	2.02		09/11/17 21:08	79-00-5	
Trichloroethene	10.4	ug/m3	2.2	0.54	2.02		09/11/17 21:08	79-01-6	
Trichlorofluoromethane	<0.84	ug/m3	2.3	0.84	2.02		09/11/17 21:08	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.75	ug/m3	3.2	0.75	2.02		09/11/17 21:08	76-13-1	
1,2,4-Trimethylbenzene	63.3	ug/m3	2.0	0.35	2.02		09/11/17 21:08	95-63-6	
1,3,5-Trimethylbenzene	25.3	ug/m3	2.0	0.83	2.02		09/11/17 21:08	108-67-8	
Vinyl acetate	<0.32	ug/m3	1.4	0.32	2.02		09/11/17 21:08	108-05-4	
Vinyl chloride	<0.25	ug/m3	1.1	0.25	2.02		09/11/17 21:08	75-01-4	
m&p-Xylene	77.2	ug/m3	3.6	0.70	2.02		09/11/17 21:08	179601-23-1	
o-Xylene	35.7	ug/m3	1.8	0.75	2.02		09/11/17 21:08	95-47-6	

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ANALYTICAL RESULTS

Project: 0403363 Kraft

Pace Project No.: 10402232

Sample: VP-13 **Lab ID:** 10402232003 Collected: 09/06/17 15:02 Received: 09/07/17 11:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Acetone	3480	ug/m3	1020	255	169.68		09/12/17 21:04	67-64-1	
Benzene	47.9	ug/m3	1.3	0.31	2.02		09/11/17 21:36	71-43-2	
Benzyl chloride	<0.48	ug/m3	2.1	0.48	2.02		09/11/17 21:36	100-44-7	
Bromodichloromethane	<0.72	ug/m3	2.7	0.72	2.02		09/11/17 21:36	75-27-4	
Bromoform	<1.4	ug/m3	10.6	1.4	2.02		09/11/17 21:36	75-25-2	
Bromomethane	<0.42	ug/m3	1.6	0.42	2.02		09/11/17 21:36	74-83-9	
1,3-Butadiene	<0.42	ug/m3	0.91	0.42	2.02		09/11/17 21:36	106-99-0	
2-Butanone (MEK)	94.4	ug/m3	6.1	0.41	2.02		09/11/17 21:36	78-93-3	
Carbon disulfide	8.1	ug/m3	1.3	0.36	2.02		09/11/17 21:36	75-15-0	L1
Carbon tetrachloride	<0.64	ug/m3	1.3	0.64	2.02		09/11/17 21:36	56-23-5	
Chlorobenzene	<0.36	ug/m3	1.9	0.36	2.02		09/11/17 21:36	108-90-7	
Chloroethane	<0.41	ug/m3	1.1	0.41	2.02		09/11/17 21:36	75-00-3	
Chloroform	66.6	ug/m3	1.0	0.47	2.02		09/11/17 21:36	67-66-3	
Chloromethane	<0.27	ug/m3	0.85	0.27	2.02		09/11/17 21:36	74-87-3	
Cyclohexane	140	ug/m3	1.4	0.46	2.02		09/11/17 21:36	110-82-7	
Dibromochloromethane	<0.89	ug/m3	3.5	0.89	2.02		09/11/17 21:36	124-48-1	
1,2-Dibromoethane (EDB)	<0.67	ug/m3	3.2	0.67	2.02		09/11/17 21:36	106-93-4	
1,2-Dichlorobenzene	<0.66	ug/m3	2.5	0.66	2.02		09/11/17 21:36	95-50-1	
1,3-Dichlorobenzene	<0.94	ug/m3	2.5	0.94	2.02		09/11/17 21:36	541-73-1	
1,4-Dichlorobenzene	<0.42	ug/m3	2.5	0.42	2.02		09/11/17 21:36	106-46-7	
Dichlorodifluoromethane	3.0	ug/m3	2.0	0.84	2.02		09/11/17 21:36	75-71-8	
1,1-Dichloroethane	<0.43	ug/m3	1.7	0.43	2.02		09/11/17 21:36	75-34-3	
1,2-Dichloroethane	<0.40	ug/m3	1.7	0.40	2.02		09/11/17 21:36	107-06-2	
1,1-Dichloroethene	<0.48	ug/m3	1.6	0.48	2.02		09/11/17 21:36	75-35-4	
cis-1,2-Dichloroethene	24.0	ug/m3	1.6	0.69	2.02		09/11/17 21:36	156-59-2	
trans-1,2-Dichloroethene	57.2	ug/m3	1.6	0.60	2.02		09/11/17 21:36	156-60-5	
1,2-Dichloropropane	<0.62	ug/m3	1.9	0.62	2.02		09/11/17 21:36	78-87-5	
cis-1,3-Dichloropropene	<0.49	ug/m3	1.9	0.49	2.02		09/11/17 21:36	10061-01-5	
trans-1,3-Dichloropropene	<0.85	ug/m3	1.9	0.85	2.02		09/11/17 21:36	10061-02-6	
Dichlorotetrafluoroethane	<0.89	ug/m3	2.9	0.89	2.02		09/11/17 21:36	76-14-2	
Ethanol	95.1	ug/m3	3.9	0.94	2.02		09/11/17 21:36	64-17-5	
Ethyl acetate	<0.40	ug/m3	1.5	0.40	2.02		09/11/17 21:36	141-78-6	
Ethylbenzene	145	ug/m3	1.8	0.35	2.02		09/11/17 21:36	100-41-4	
4-Ethyltoluene	12.0	ug/m3	2.0	0.43	2.02		09/11/17 21:36	622-96-8	
n-Heptane	407	ug/m3	141	35.6	169.68		09/12/17 21:04	142-82-5	
Hexachloro-1,3-butadiene	<1.8	ug/m3	4.4	1.8	2.02		09/11/17 21:36	87-68-3	
n-Hexane	541	ug/m3	122	56.5	169.68		09/12/17 21:04	110-54-3	
2-Hexanone	6.3J	ug/m3	8.4	1.2	2.02		09/11/17 21:36	591-78-6	
Methylene Chloride	4010	ug/m3	599	258	169.68		09/12/17 21:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.72	ug/m3	8.4	0.72	2.02		09/11/17 21:36	108-10-1	
Methyl-tert-butyl ether	<1.3	ug/m3	7.4	1.3	2.02		09/11/17 21:36	1634-04-4	
Naphthalene	17.3	ug/m3	5.4	1.2	2.02		09/11/17 21:36	91-20-3	
2-Propanol	32.3	ug/m3	5.0	2.5	2.02		09/11/17 21:36	67-63-0	
Propylene	<0.32	ug/m3	0.71	0.32	2.02		09/11/17 21:36	115-07-1	
Styrene	<0.34	ug/m3	1.8	0.34	2.02		09/11/17 21:36	100-42-5	
1,1,2,2-Tetrachloroethane	<0.59	ug/m3	2.8	0.59	2.02		09/11/17 21:36	79-34-5	

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ANALYTICAL RESULTS

Project: 0403363 Kraft

Pace Project No.: 10402232

Sample: VP-13 **Lab ID: 10402232003** Collected: 09/06/17 15:02 Received: 09/07/17 11:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Tetrachloroethene	5.1	ug/m3	2.8	0.58	2.02		09/11/17 21:36	127-18-4	
Tetrahydrofuran	<0.55	ug/m3	1.2	0.55	2.02		09/11/17 21:36	109-99-9	
Toluene	470	ug/m3	131	27.0	169.68		09/12/17 21:04	108-88-3	
1,2,4-Trichlorobenzene	<1.9	ug/m3	7.6	1.9	2.02		09/11/17 21:36	120-82-1	
1,1,1-Trichloroethane	1.3J	ug/m3	2.2	0.69	2.02		09/11/17 21:36	71-55-6	
1,1,2-Trichloroethane	<0.45	ug/m3	2.2	0.45	2.02		09/11/17 21:36	79-00-5	
Trichloroethene	27800	ug/m3	185	45.5	169.68		09/12/17 21:04	79-01-6	
Trichlorofluoromethane	6.9	ug/m3	2.3	0.84	2.02		09/11/17 21:36	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.75	ug/m3	3.2	0.75	2.02		09/11/17 21:36	76-13-1	
1,2,4-Trimethylbenzene	61.4	ug/m3	2.0	0.35	2.02		09/11/17 21:36	95-63-6	
1,3,5-Trimethylbenzene	15.8	ug/m3	2.0	0.83	2.02		09/11/17 21:36	108-67-8	
Vinyl acetate	<0.32	ug/m3	1.4	0.32	2.02		09/11/17 21:36	108-05-4	
Vinyl chloride	3.5	ug/m3	1.1	0.25	2.02		09/11/17 21:36	75-01-4	
m&p-Xylene	125	ug/m3	3.6	0.70	2.02		09/11/17 21:36	179601-23-1	
o-Xylene	55.1	ug/m3	1.8	0.75	2.02		09/11/17 21:36	95-47-6	

Sample: VP-14 **Lab ID: 10402232004** Collected: 09/06/17 15:28 Received: 09/07/17 11:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	274	ug/m3	5.1	3.2	2.1		09/11/17 22:02	67-64-1	
Benzene	37.2	ug/m3	1.4	0.32	2.1		09/11/17 22:02	71-43-2	
Benzyl chloride	<0.50	ug/m3	2.2	0.50	2.1		09/11/17 22:02	100-44-7	
Bromodichloromethane	<0.75	ug/m3	2.9	0.75	2.1		09/11/17 22:02	75-27-4	
Bromoform	<1.5	ug/m3	11.0	1.5	2.1		09/11/17 22:02	75-25-2	
Bromomethane	<0.44	ug/m3	1.7	0.44	2.1		09/11/17 22:02	74-83-9	
1,3-Butadiene	<0.43	ug/m3	0.94	0.43	2.1		09/11/17 22:02	106-99-0	
2-Butanone (MEK)	46.7	ug/m3	6.3	0.43	2.1		09/11/17 22:02	78-93-3	
Carbon disulfide	3.5	ug/m3	1.3	0.38	2.1		09/11/17 22:02	75-15-0	L1
Carbon tetrachloride	<0.67	ug/m3	1.3	0.67	2.1		09/11/17 22:02	56-23-5	
Chlorobenzene	<0.38	ug/m3	2.0	0.38	2.1		09/11/17 22:02	108-90-7	
Chloroethane	<0.43	ug/m3	1.1	0.43	2.1		09/11/17 22:02	75-00-3	
Chloroform	73.2	ug/m3	1.0	0.49	2.1		09/11/17 22:02	67-66-3	
Chloromethane	<0.28	ug/m3	0.88	0.28	2.1		09/11/17 22:02	74-87-3	
Cyclohexane	96.1	ug/m3	1.5	0.48	2.1		09/11/17 22:02	110-82-7	
Dibromochloromethane	<0.93	ug/m3	3.6	0.93	2.1		09/11/17 22:02	124-48-1	
1,2-Dibromoethane (EDB)	<0.70	ug/m3	3.3	0.70	2.1		09/11/17 22:02	106-93-4	
1,2-Dichlorobenzene	<0.68	ug/m3	2.6	0.68	2.1		09/11/17 22:02	95-50-1	
1,3-Dichlorobenzene	<0.98	ug/m3	2.6	0.98	2.1		09/11/17 22:02	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/m3	2.6	0.43	2.1		09/11/17 22:02	106-46-7	
Dichlorodifluoromethane	5.5	ug/m3	2.1	0.87	2.1		09/11/17 22:02	75-71-8	
1,1-Dichloroethane	<0.45	ug/m3	1.7	0.45	2.1		09/11/17 22:02	75-34-3	
1,2-Dichloroethane	<0.42	ug/m3	1.7	0.42	2.1		09/11/17 22:02	107-06-2	

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ANALYTICAL RESULTS

Project: 0403363 Kraft

Pace Project No.: 10402232

Sample: VP-14 **Lab ID: 10402232004** Collected: 09/06/17 15:28 Received: 09/07/17 11:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
1,1-Dichloroethene	<0.50	ug/m3	1.7	0.50	2.1		09/11/17 22:02	75-35-4	
cis-1,2-Dichloroethene	8.6	ug/m3	1.7	0.72	2.1		09/11/17 22:02	156-59-2	
trans-1,2-Dichloroethene	25.4	ug/m3	1.7	0.62	2.1		09/11/17 22:02	156-60-5	
1,2-Dichloropropane	<0.64	ug/m3	2.0	0.64	2.1		09/11/17 22:02	78-87-5	
cis-1,3-Dichloropropene	<0.51	ug/m3	1.9	0.51	2.1		09/11/17 22:02	10061-01-5	
trans-1,3-Dichloropropene	<0.88	ug/m3	1.9	0.88	2.1		09/11/17 22:02	10061-02-6	
Dichlorotetrafluoroethane	<0.93	ug/m3	3.0	0.93	2.1		09/11/17 22:02	76-14-2	
Ethanol	73.3	ug/m3	4.0	0.98	2.1		09/11/17 22:02	64-17-5	
Ethyl acetate	<0.41	ug/m3	1.5	0.41	2.1		09/11/17 22:02	141-78-6	
Ethylbenzene	69.3	ug/m3	1.8	0.36	2.1		09/11/17 22:02	100-41-4	
4-Ethyltoluene	4.3	ug/m3	2.1	0.45	2.1		09/11/17 22:02	622-96-8	
n-Heptane	172	ug/m3	1.7	0.44	2.1		09/11/17 22:02	142-82-5	
Hexachloro-1,3-butadiene	<1.8	ug/m3	4.6	1.8	2.1		09/11/17 22:02	87-68-3	
n-Hexane	205	ug/m3	1.5	0.70	2.1		09/11/17 22:02	110-54-3	
2-Hexanone	3.1J	ug/m3	8.7	1.3	2.1		09/11/17 22:02	591-78-6	
Methylene Chloride	77.3	ug/m3	7.4	3.2	2.1		09/11/17 22:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.75	ug/m3	8.7	0.75	2.1		09/11/17 22:02	108-10-1	
Methyl-tert-butyl ether	<1.4	ug/m3	7.7	1.4	2.1		09/11/17 22:02	1634-04-4	
Naphthalene	8.4	ug/m3	5.6	1.3	2.1		09/11/17 22:02	91-20-3	
2-Propanol	11.6	ug/m3	5.2	2.6	2.1		09/11/17 22:02	67-63-0	
Propylene	<0.33	ug/m3	0.74	0.33	2.1		09/11/17 22:02	115-07-1	
Styrene	<0.35	ug/m3	1.8	0.35	2.1		09/11/17 22:02	100-42-5	
1,1,2,2-Tetrachloroethane	<0.61	ug/m3	2.9	0.61	2.1		09/11/17 22:02	79-34-5	
Tetrachloroethene	49.7	ug/m3	2.9	0.60	2.1		09/11/17 22:02	127-18-4	
Tetrahydrofuran	<0.58	ug/m3	1.3	0.58	2.1		09/11/17 22:02	109-99-9	
Toluene	157	ug/m3	1.6	0.33	2.1		09/11/17 22:02	108-88-3	
1,2,4-Trichlorobenzene	<2.0	ug/m3	7.9	2.0	2.1		09/11/17 22:02	120-82-1	
1,1,1-Trichloroethane	2.1J	ug/m3	2.3	0.72	2.1		09/11/17 22:02	71-55-6	
1,1,2-Trichloroethane	<0.47	ug/m3	2.3	0.47	2.1		09/11/17 22:02	79-00-5	
Trichloroethene	80600	ug/m3	4930	1210	4515.8		09/13/17 11:11	79-01-6	A3
Trichlorofluoromethane	8.8	ug/m3	2.4	0.88	2.1		09/11/17 22:02	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.77	ug/m3	3.4	0.77	2.1		09/11/17 22:02	76-13-1	
1,2,4-Trimethylbenzene	19.0	ug/m3	2.1	0.36	2.1		09/11/17 22:02	95-63-6	
1,3,5-Trimethylbenzene	5.2	ug/m3	2.1	0.87	2.1		09/11/17 22:02	108-67-8	
Vinyl acetate	<0.33	ug/m3	1.5	0.33	2.1		09/11/17 22:02	108-05-4	
Vinyl chloride	<0.26	ug/m3	1.1	0.26	2.1		09/11/17 22:02	75-01-4	
m&p-Xylene	61.7	ug/m3	3.7	0.73	2.1		09/11/17 22:02	179601-23-1	
o-Xylene	25.0	ug/m3	1.8	0.78	2.1		09/11/17 22:02	95-47-6	

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ANALYTICAL RESULTS

Project: 0403363 Kraft

Pace Project No.: 10402232

Sample: VP-15 **Lab ID: 10402232005** Collected: 09/06/17 15:53 Received: 09/07/17 11:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	1080	ug/m3	85.2	21.2	14.11		09/12/17 19:35	67-64-1	
Benzene	33.0	ug/m3	1.4	0.32	2.1		09/11/17 22:29	71-43-2	
Benzyl chloride	<0.50	ug/m3	2.2	0.50	2.1		09/11/17 22:29	100-44-7	
Bromodichloromethane	<0.75	ug/m3	2.9	0.75	2.1		09/11/17 22:29	75-27-4	
Bromoform	<1.5	ug/m3	11.0	1.5	2.1		09/11/17 22:29	75-25-2	
Bromomethane	<0.44	ug/m3	1.7	0.44	2.1		09/11/17 22:29	74-83-9	
1,3-Butadiene	<0.43	ug/m3	0.94	0.43	2.1		09/11/17 22:29	106-99-0	
2-Butanone (MEK)	163	ug/m3	6.3	0.43	2.1		09/11/17 22:29	78-93-3	
Carbon disulfide	3.0	ug/m3	1.3	0.38	2.1		09/11/17 22:29	75-15-0	L1
Carbon tetrachloride	2.2	ug/m3	1.3	0.67	2.1		09/11/17 22:29	56-23-5	
Chlorobenzene	<0.38	ug/m3	2.0	0.38	2.1		09/11/17 22:29	108-90-7	
Chloroethane	<0.43	ug/m3	1.1	0.43	2.1		09/11/17 22:29	75-00-3	
Chloroform	277	ug/m3	1.0	0.49	2.1		09/11/17 22:29	67-66-3	
Chloromethane	<0.28	ug/m3	0.88	0.28	2.1		09/11/17 22:29	74-87-3	
Cyclohexane	201	ug/m3	1.5	0.48	2.1		09/11/17 22:29	110-82-7	
Dibromochloromethane	<0.93	ug/m3	3.6	0.93	2.1		09/11/17 22:29	124-48-1	
1,2-Dibromoethane (EDB)	<0.70	ug/m3	3.3	0.70	2.1		09/11/17 22:29	106-93-4	
1,2-Dichlorobenzene	<0.68	ug/m3	2.6	0.68	2.1		09/11/17 22:29	95-50-1	
1,3-Dichlorobenzene	<0.98	ug/m3	2.6	0.98	2.1		09/11/17 22:29	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/m3	2.6	0.43	2.1		09/11/17 22:29	106-46-7	
Dichlorodifluoromethane	<0.87	ug/m3	2.1	0.87	2.1		09/11/17 22:29	75-71-8	
1,1-Dichloroethane	<0.45	ug/m3	1.7	0.45	2.1		09/11/17 22:29	75-34-3	
1,2-Dichloroethane	<0.42	ug/m3	1.7	0.42	2.1		09/11/17 22:29	107-06-2	
1,1-Dichloroethene	<0.50	ug/m3	1.7	0.50	2.1		09/11/17 22:29	75-35-4	
cis-1,2-Dichloroethene	<0.72	ug/m3	1.7	0.72	2.1		09/11/17 22:29	156-59-2	
trans-1,2-Dichloroethene	<0.62	ug/m3	1.7	0.62	2.1		09/11/17 22:29	156-60-5	
1,2-Dichloropropane	<0.64	ug/m3	2.0	0.64	2.1		09/11/17 22:29	78-87-5	
cis-1,3-Dichloropropene	<0.51	ug/m3	1.9	0.51	2.1		09/11/17 22:29	10061-01-5	
trans-1,3-Dichloropropene	<0.88	ug/m3	1.9	0.88	2.1		09/11/17 22:29	10061-02-6	
Dichlorotetrafluoroethane	<0.93	ug/m3	3.0	0.93	2.1		09/11/17 22:29	76-14-2	
Ethanol	42.5	ug/m3	4.0	0.98	2.1		09/11/17 22:29	64-17-5	
Ethyl acetate	<0.41	ug/m3	1.5	0.41	2.1		09/11/17 22:29	141-78-6	
Ethylbenzene	87.1	ug/m3	1.8	0.36	2.1		09/11/17 22:29	100-41-4	
4-Ethyltoluene	7.9	ug/m3	2.1	0.45	2.1		09/11/17 22:29	622-96-8	
n-Heptane	331	ug/m3	11.7	3.0	14.11		09/12/17 19:35	142-82-5	
Hexachloro-1,3-butadiene	<1.8	ug/m3	4.6	1.8	2.1		09/11/17 22:29	87-68-3	
n-Hexane	474	ug/m3	10.2	4.7	14.11		09/12/17 19:35	110-54-3	
2-Hexanone	10.8	ug/m3	8.7	1.3	2.1		09/11/17 22:29	591-78-6	
Methylene Chloride	22.5	ug/m3	7.4	3.2	2.1		09/11/17 22:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	8.7J	ug/m3	8.7	0.75	2.1		09/11/17 22:29	108-10-1	
Methyl-tert-butyl ether	<1.4	ug/m3	7.7	1.4	2.1		09/11/17 22:29	1634-04-4	
Naphthalene	21.5	ug/m3	5.6	1.3	2.1		09/11/17 22:29	91-20-3	
2-Propanol	<2.6	ug/m3	5.2	2.6	2.1		09/11/17 22:29	67-63-0	
Propylene	<0.33	ug/m3	0.74	0.33	2.1		09/11/17 22:29	115-07-1	
Styrene	<0.35	ug/m3	1.8	0.35	2.1		09/11/17 22:29	100-42-5	
1,1,2,2-Tetrachloroethane	<0.61	ug/m3	2.9	0.61	2.1		09/11/17 22:29	79-34-5	

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ANALYTICAL RESULTS

Project: 0403363 Kraft

Pace Project No.: 10402232

Sample: VP-15 **Lab ID: 10402232005** Collected: 09/06/17 15:53 Received: 09/07/17 11:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Tetrachloroethene	24.3	ug/m3	2.9	0.60	2.1		09/11/17 22:29	127-18-4	
Tetrahydrofuran	<0.58	ug/m3	1.3	0.58	2.1		09/11/17 22:29	109-99-9	
Toluene	205	ug/m3	1.6	0.33	2.1		09/11/17 22:29	108-88-3	
1,2,4-Trichlorobenzene	<2.0	ug/m3	7.9	2.0	2.1		09/11/17 22:29	120-82-1	
1,1,1-Trichloroethane	<0.72	ug/m3	2.3	0.72	2.1		09/11/17 22:29	71-55-6	
1,1,2-Trichloroethane	<0.47	ug/m3	2.3	0.47	2.1		09/11/17 22:29	79-00-5	
Trichloroethene	9.2J	ug/m3	15.4	3.8	14.11		09/12/17 19:35	79-01-6	
Trichlorofluoromethane	3.4	ug/m3	2.4	0.88	2.1		09/11/17 22:29	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.77	ug/m3	3.4	0.77	2.1		09/11/17 22:29	76-13-1	
1,2,4-Trimethylbenzene	50.5	ug/m3	2.1	0.36	2.1		09/11/17 22:29	95-63-6	
1,3,5-Trimethylbenzene	14.5	ug/m3	2.1	0.87	2.1		09/11/17 22:29	108-67-8	
Vinyl acetate	<0.33	ug/m3	1.5	0.33	2.1		09/11/17 22:29	108-05-4	
Vinyl chloride	<0.26	ug/m3	1.1	0.26	2.1		09/11/17 22:29	75-01-4	
m&p-Xylene	93.3	ug/m3	3.7	0.73	2.1		09/11/17 22:29	179601-23-1	
o-Xylene	36.5	ug/m3	1.8	0.78	2.1		09/11/17 22:29	95-47-6	

Sample: VP-16 **Lab ID: 10402232006** Collected: 09/06/17 16:17 Received: 09/07/17 11:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	270	ug/m3	4.7	2.9	1.94		09/11/17 22:56	67-64-1	
Benzene	153	ug/m3	1.3	0.29	1.94		09/11/17 22:56	71-43-2	
Benzyl chloride	<0.46	ug/m3	2.0	0.46	1.94		09/11/17 22:56	100-44-7	
Bromodichloromethane	<0.69	ug/m3	2.6	0.69	1.94		09/11/17 22:56	75-27-4	
Bromoform	<1.3	ug/m3	10.2	1.3	1.94		09/11/17 22:56	75-25-2	
Bromomethane	<0.40	ug/m3	1.5	0.40	1.94		09/11/17 22:56	74-83-9	
1,3-Butadiene	<0.40	ug/m3	0.87	0.40	1.94		09/11/17 22:56	106-99-0	
2-Butanone (MEK)	<0.39	ug/m3	5.8	0.39	1.94		09/11/17 22:56	78-93-3	
Carbon disulfide	6.2	ug/m3	1.2	0.35	1.94		09/11/17 22:56	75-15-0	L1
Carbon tetrachloride	<0.62	ug/m3	1.2	0.62	1.94		09/11/17 22:56	56-23-5	
Chlorobenzene	<0.35	ug/m3	1.8	0.35	1.94		09/11/17 22:56	108-90-7	
Chloroethane	1.8	ug/m3	1.0	0.40	1.94		09/11/17 22:56	75-00-3	
Chloroform	<0.45	ug/m3	0.96	0.45	1.94		09/11/17 22:56	67-66-3	
Chloromethane	<0.26	ug/m3	0.81	0.26	1.94		09/11/17 22:56	74-87-3	
Cyclohexane	<0.44	ug/m3	1.4	0.44	1.94		09/11/17 22:56	110-82-7	
Dibromochloromethane	<0.86	ug/m3	3.4	0.86	1.94		09/11/17 22:56	124-48-1	
1,2-Dibromoethane (EDB)	<0.65	ug/m3	3.0	0.65	1.94		09/11/17 22:56	106-93-4	
1,2-Dichlorobenzene	<0.63	ug/m3	2.4	0.63	1.94		09/11/17 22:56	95-50-1	
1,3-Dichlorobenzene	<0.90	ug/m3	2.4	0.90	1.94		09/11/17 22:56	541-73-1	
1,4-Dichlorobenzene	<0.40	ug/m3	2.4	0.40	1.94		09/11/17 22:56	106-46-7	
Dichlorodifluoromethane	<0.81	ug/m3	2.0	0.81	1.94		09/11/17 22:56	75-71-8	
1,1-Dichloroethane	<0.41	ug/m3	1.6	0.41	1.94		09/11/17 22:56	75-34-3	
1,2-Dichloroethane	<0.38	ug/m3	1.6	0.38	1.94		09/11/17 22:56	107-06-2	

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ANALYTICAL RESULTS

Project: 0403363 Kraft

Pace Project No.: 10402232

Sample: VP-16 **Lab ID: 10402232006** Collected: 09/06/17 16:17 Received: 09/07/17 11:45 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
1,1-Dichloroethene	<0.46	ug/m3	1.6	0.46	1.94		09/11/17 22:56	75-35-4	
cis-1,2-Dichloroethene	79.7	ug/m3	1.6	0.66	1.94		09/11/17 22:56	156-59-2	
trans-1,2-Dichloroethene	<0.57	ug/m3	1.6	0.57	1.94		09/11/17 22:56	156-60-5	
1,2-Dichloropropane	<0.59	ug/m3	1.8	0.59	1.94		09/11/17 22:56	78-87-5	
cis-1,3-Dichloropropene	<0.48	ug/m3	1.8	0.48	1.94		09/11/17 22:56	10061-01-5	
trans-1,3-Dichloropropene	<0.81	ug/m3	1.8	0.81	1.94		09/11/17 22:56	10061-02-6	
Dichlorotetrafluoroethane	<0.86	ug/m3	2.8	0.86	1.94		09/11/17 22:56	76-14-2	
Ethanol	18.1	ug/m3	3.7	0.90	1.94		09/11/17 22:56	64-17-5	
Ethyl acetate	<0.38	ug/m3	1.4	0.38	1.94		09/11/17 22:56	141-78-6	
Ethylbenzene	109	ug/m3	1.7	0.33	1.94		09/11/17 22:56	100-41-4	
4-Ethyltoluene	5.7	ug/m3	1.9	0.42	1.94		09/11/17 22:56	622-96-8	
n-Heptane	621	ug/m3	54.1	13.7	65.18		09/12/17 19:57	142-82-5	
Hexachloro-1,3-butadiene	<1.7	ug/m3	4.2	1.7	1.94		09/11/17 22:56	87-68-3	
n-Hexane	2840	ug/m3	46.9	21.7	65.18		09/12/17 19:57	110-54-3	
2-Hexanone	6.6J	ug/m3	8.1	1.2	1.94		09/11/17 22:56	591-78-6	
Methylene Chloride	8.3	ug/m3	6.8	2.9	1.94		09/11/17 22:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.69	ug/m3	8.1	0.69	1.94		09/11/17 22:56	108-10-1	
Methyl-tert-butyl ether	<1.3	ug/m3	7.1	1.3	1.94		09/11/17 22:56	1634-04-4	
Naphthalene	8.7	ug/m3	5.2	1.2	1.94		09/11/17 22:56	91-20-3	
2-Propanol	<2.4	ug/m3	4.8	2.4	1.94		09/11/17 22:56	67-63-0	
Propylene	<0.30	ug/m3	0.68	0.30	1.94		09/11/17 22:56	115-07-1	
Styrene	<0.32	ug/m3	1.7	0.32	1.94		09/11/17 22:56	100-42-5	
1,1,2,2-Tetrachloroethane	<0.56	ug/m3	2.7	0.56	1.94		09/11/17 22:56	79-34-5	
Tetrachloroethene	3.7	ug/m3	2.7	0.56	1.94		09/11/17 22:56	127-18-4	
Tetrahydrofuran	<0.53	ug/m3	1.2	0.53	1.94		09/11/17 22:56	109-99-9	
Toluene	303	ug/m3	50.2	10.4	65.18		09/12/17 19:57	108-88-3	
1,2,4-Trichlorobenzene	<1.9	ug/m3	7.3	1.9	1.94		09/11/17 22:56	120-82-1	
1,1,1-Trichloroethane	<0.66	ug/m3	2.2	0.66	1.94		09/11/17 22:56	71-55-6	
1,1,2-Trichloroethane	<0.44	ug/m3	2.2	0.44	1.94		09/11/17 22:56	79-00-5	
Trichloroethene	25.4	ug/m3	2.1	0.52	1.94		09/11/17 22:56	79-01-6	
Trichlorofluoromethane	<0.81	ug/m3	2.2	0.81	1.94		09/11/17 22:56	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.72	ug/m3	3.1	0.72	1.94		09/11/17 22:56	76-13-1	
1,2,4-Trimethylbenzene	26.1	ug/m3	1.9	0.33	1.94		09/11/17 22:56	95-63-6	
1,3,5-Trimethylbenzene	7.2	ug/m3	1.9	0.80	1.94		09/11/17 22:56	108-67-8	
Vinyl acetate	<0.30	ug/m3	1.4	0.30	1.94		09/11/17 22:56	108-05-4	
Vinyl chloride	50.5	ug/m3	1.0	0.24	1.94		09/11/17 22:56	75-01-4	
m&p-Xylene	86.0	ug/m3	3.4	0.68	1.94		09/11/17 22:56	179601-23-1	
o-Xylene	36.3	ug/m3	1.7	0.72	1.94		09/11/17 22:56	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 Kraft

Pace Project No.: 10402232

QC Batch: 495967 Analysis Method: TO-15
 QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
 Associated Lab Samples: 10402232001, 10402232002, 10402232003, 10402232004, 10402232005, 10402232006

METHOD BLANK: 2697159 Matrix: Air
 Associated Lab Samples: 10402232001, 10402232002, 10402232003, 10402232004, 10402232005, 10402232006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.34	1.1	09/11/17 12:59	
1,1,2,2-Tetrachloroethane	ug/m3	<0.29	1.4	09/11/17 12:59	
1,1,2-Trichloroethane	ug/m3	<0.22	1.1	09/11/17 12:59	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.37	1.6	09/11/17 12:59	
1,1-Dichloroethane	ug/m3	<0.21	0.82	09/11/17 12:59	
1,1-Dichloroethene	ug/m3	<0.24	0.81	09/11/17 12:59	
1,2,4-Trichlorobenzene	ug/m3	<0.96	3.8	09/11/17 12:59	
1,2,4-Trimethylbenzene	ug/m3	<0.17	1.0	09/11/17 12:59	
1,2-Dibromoethane (EDB)	ug/m3	<0.33	1.6	09/11/17 12:59	
1,2-Dichlorobenzene	ug/m3	<0.33	1.2	09/11/17 12:59	
1,2-Dichloroethane	ug/m3	<0.20	0.82	09/11/17 12:59	
1,2-Dichloropropane	ug/m3	<0.31	0.94	09/11/17 12:59	
1,3,5-Trimethylbenzene	ug/m3	<0.41	1.0	09/11/17 12:59	
1,3-Butadiene	ug/m3	<0.21	0.45	09/11/17 12:59	
1,3-Dichlorobenzene	ug/m3	<0.47	1.2	09/11/17 12:59	
1,4-Dichlorobenzene	ug/m3	<0.21	1.2	09/11/17 12:59	
2-Butanone (MEK)	ug/m3	<0.20	3.0	09/11/17 12:59	
2-Hexanone	ug/m3	<0.61	4.2	09/11/17 12:59	
2-Propanol	ug/m3	<1.2	2.5	09/11/17 12:59	
4-Ethyltoluene	ug/m3	<0.21	1.0	09/11/17 12:59	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.36	4.2	09/11/17 12:59	
Acetone	ug/m3	<1.5	2.4	09/11/17 12:59	
Benzene	ug/m3	<0.15	0.65	09/11/17 12:59	
Benzyl chloride	ug/m3	<0.24	1.0	09/11/17 12:59	
Bromodichloromethane	ug/m3	<0.36	1.4	09/11/17 12:59	
Bromoform	ug/m3	<0.69	5.3	09/11/17 12:59	
Bromomethane	ug/m3	<0.21	0.79	09/11/17 12:59	
Carbon disulfide	ug/m3	<0.18	0.63	09/11/17 12:59	
Carbon tetrachloride	ug/m3	<0.32	0.64	09/11/17 12:59	
Chlorobenzene	ug/m3	<0.18	0.94	09/11/17 12:59	
Chloroethane	ug/m3	<0.20	0.54	09/11/17 12:59	
Chloroform	ug/m3	<0.23	0.50	09/11/17 12:59	
Chloromethane	ug/m3	<0.13	0.42	09/11/17 12:59	
cis-1,2-Dichloroethene	ug/m3	<0.34	0.81	09/11/17 12:59	
cis-1,3-Dichloropropene	ug/m3	<0.24	0.92	09/11/17 12:59	
Cyclohexane	ug/m3	<0.23	0.70	09/11/17 12:59	
Dibromochloromethane	ug/m3	<0.44	1.7	09/11/17 12:59	
Dichlorodifluoromethane	ug/m3	<0.42	1.0	09/11/17 12:59	
Dichlorotetrafluoroethane	ug/m3	<0.44	1.4	09/11/17 12:59	
Ethanol	ug/m3	<0.46	1.9	09/11/17 12:59	
Ethyl acetate	ug/m3	<0.20	0.73	09/11/17 12:59	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 Kraft

Pace Project No.: 10402232

METHOD BLANK: 2697159

Matrix: Air

Associated Lab Samples: 10402232001, 10402232002, 10402232003, 10402232004, 10402232005, 10402232006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/m3	<0.17	0.88	09/11/17 12:59	
Hexachloro-1,3-butadiene	ug/m3	<0.87	2.2	09/11/17 12:59	
m&p-Xylene	ug/m3	<0.35	1.8	09/11/17 12:59	
Methyl-tert-butyl ether	ug/m3	<0.67	3.7	09/11/17 12:59	
Methylene Chloride	ug/m3	<1.5	3.5	09/11/17 12:59	
n-Heptane	ug/m3	<0.21	0.83	09/11/17 12:59	
n-Hexane	ug/m3	<0.33	0.72	09/11/17 12:59	
Naphthalene	ug/m3	<0.60	2.7	09/11/17 12:59	
o-Xylene	ug/m3	<0.37	0.88	09/11/17 12:59	
Propylene	ug/m3	<0.16	0.35	09/11/17 12:59	
Styrene	ug/m3	<0.17	0.87	09/11/17 12:59	
Tetrachloroethene	ug/m3	<0.29	1.4	09/11/17 12:59	
Tetrahydrofuran	ug/m3	<0.27	0.60	09/11/17 12:59	
Toluene	ug/m3	<0.16	0.77	09/11/17 12:59	
trans-1,2-Dichloroethene	ug/m3	<0.30	0.81	09/11/17 12:59	
trans-1,3-Dichloropropene	ug/m3	<0.42	0.92	09/11/17 12:59	
Trichloroethene	ug/m3	<0.27	1.1	09/11/17 12:59	
Trichlorofluoromethane	ug/m3	<0.42	1.1	09/11/17 12:59	
Vinyl acetate	ug/m3	<0.16	0.72	09/11/17 12:59	
Vinyl chloride	ug/m3	<0.13	0.52	09/11/17 12:59	

LABORATORY CONTROL SAMPLE: 2697160

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	58.2	55.1	95	70-134	
1,1,2,2-Tetrachloroethane	ug/m3	74.7	87.0	117	70-130	
1,1,2-Trichloroethane	ug/m3	59.3	66.8	113	70-130	
1,1,2-Trichlorotrifluoroethane	ug/m3	81.8	95.9	117	70-130	
1,1-Dichloroethane	ug/m3	43.6	40.4	93	70-130	
1,1-Dichloroethene	ug/m3	42.7	48.1	113	70-130	
1,2,4-Trichlorobenzene	ug/m3	74.7	101	135	60-150	
1,2,4-Trimethylbenzene	ug/m3	51.5	60.1	117	70-136	
1,2-Dibromoethane (EDB)	ug/m3	83.6	92.6	111	70-130	
1,2-Dichlorobenzene	ug/m3	63.6	67.5	106	70-139	
1,2-Dichloroethane	ug/m3	44	48.2	110	70-130	
1,2-Dichloropropane	ug/m3	50.7	57.1	113	70-131	
1,3,5-Trimethylbenzene	ug/m3	51.5	60.6	118	70-133	
1,3-Butadiene	ug/m3	23.4	20.5	88	70-130	
1,3-Dichlorobenzene	ug/m3	61.7	65.5	106	70-144	
1,4-Dichlorobenzene	ug/m3	63.6	63.7	100	70-139	
2-Butanone (MEK)	ug/m3	32.4	28.9	89	70-130	
2-Hexanone	ug/m3	44.6	50.6	114	70-138	
2-Propanol	ug/m3	25	31.6	126	70-130	
4-Ethyltoluene	ug/m3	49.5	55.6	112	70-135	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 Kraft

Pace Project No.: 10402232

LABORATORY CONTROL SAMPLE: 2697160

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/m3	44.6	53.2	119	70-130	
Acetone	ug/m3	25.1	31.6	126	64-130	
Benzene	ug/m3	34.7	28.8	83	70-130	
Benzyl chloride	ug/m3	53.2	62.6	118	70-144	
Bromodichloromethane	ug/m3	72.2	76.9	106	70-134	
Bromoform	ug/m3	116	119	103	70-150	
Bromomethane	ug/m3	39.1	44.4	114	70-130	
Carbon disulfide	ug/m3	33.2	45.2	136	70-134	L1
Carbon tetrachloride	ug/m3	68.4	69.9	102	68-150	
Chlorobenzene	ug/m3	50.1	55.9	112	70-132	
Chloroethane	ug/m3	26.3	26.0	99	70-132	
Chloroform	ug/m3	51.1	47.4	93	70-130	
Chloromethane	ug/m3	21.4	24.2	113	70-130	
cis-1,2-Dichloroethene	ug/m3	43.9	40.2	92	70-133	
cis-1,3-Dichloropropene	ug/m3	51.7	48.4	94	70-137	
Cyclohexane	ug/m3	37.1	33.0	89	70-130	
Dibromochloromethane	ug/m3	97	83.2	86	70-144	
Dichlorodifluoromethane	ug/m3	52.8	57.4	109	70-130	
Dichlorotetrafluoroethane	ug/m3	69.6	82.5	118	70-130	
Ethanol	ug/m3	20.3	20.4	100	70-136	
Ethyl acetate	ug/m3	37.7	46.2	122	70-130	
Ethylbenzene	ug/m3	47.7	53.2	112	70-134	
Hexachloro-1,3-butadiene	ug/m3	109	113	103	45-150	
m&p-Xylene	ug/m3	47.7	55.8	117	70-130	
Methyl-tert-butyl ether	ug/m3	38.8	43.4	112	66-148	
Methylene Chloride	ug/m3	39.2	44.4	113	67-133	
n-Heptane	ug/m3	44.2	48.5	110	70-130	
n-Hexane	ug/m3	38.7	42.3	109	67-132	
Naphthalene	ug/m3	56	57.7	103	53-150	
o-Xylene	ug/m3	47.2	53.3	113	70-130	
Propylene	ug/m3	19.2	22.3	116	70-135	
Styrene	ug/m3	45.5	51.0	112	70-139	
Tetrachloroethene	ug/m3	72.4	84.5	117	70-130	
Tetrahydrofuran	ug/m3	33	35.4	107	70-130	
Toluene	ug/m3	41.4	46.3	112	70-130	
trans-1,2-Dichloroethene	ug/m3	41.9	41.0	98	70-131	
trans-1,3-Dichloropropene	ug/m3	48.4	46.2	95	70-142	
Trichloroethene	ug/m3	57.9	64.3	111	70-130	
Trichlorofluoromethane	ug/m3	58.8	66.8	114	70-130	
Vinyl acetate	ug/m3	40.4	47.0	116	70-137	
Vinyl chloride	ug/m3	27	30.5	113	70-130	

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QUALITY CONTROL DATA

Project: 0403363 Kraft

Pace Project No.: 10402232

SAMPLE DUPLICATE: 2697914

Parameter	Units	10402280003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.49	<0.49		25	
1,1,2,2-Tetrachloroethane	ug/m3	<0.42	<0.42		25	
1,1,2-Trichloroethane	ug/m3	<0.32	<0.32		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.53	<0.53		25	
1,1-Dichloroethane	ug/m3	<0.31	<0.31		25	
1,1-Dichloroethene	ug/m3	<0.34	<0.34		25	
1,2,4-Trichlorobenzene	ug/m3	<1.4	<1.4		25	
1,2,4-Trimethylbenzene	ug/m3	<0.25	<0.25		25	
1,2-Dibromoethane (EDB)	ug/m3	<0.48	<0.48		25	
1,2-Dichlorobenzene	ug/m3	<0.47	<0.47		25	
1,2-Dichloroethane	ug/m3	<0.29	<0.29		25	
1,2-Dichloropropane	ug/m3	<0.44	<0.44		25	
1,3,5-Trimethylbenzene	ug/m3	<0.59	<0.59		25	
1,3-Butadiene	ug/m3	<0.30	<0.30		25	
1,3-Dichlorobenzene	ug/m3	<0.67	<0.67		25	
1,4-Dichlorobenzene	ug/m3	<0.30	<0.30		25	
2-Butanone (MEK)	ug/m3	2.3J	<0.29		25	
2-Hexanone	ug/m3	<0.88	<0.88		25	
2-Propanol	ug/m3	<1.8	<1.8		25	
4-Ethyltoluene	ug/m3	<0.31	<0.31		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.51	<0.51		25	
Acetone	ug/m3	15.7	13.1	18	25	
Benzene	ug/m3	0.26J	0.26J		25	
Benzyl chloride	ug/m3	<0.34	<0.34		25	
Bromodichloromethane	ug/m3	<0.51	<0.51		25	
Bromoform	ug/m3	<1.0	<1.0		25	
Bromomethane	ug/m3	<0.30	<0.30		25	
Carbon disulfide	ug/m3	<0.26	<0.26		25	
Carbon tetrachloride	ug/m3	<0.46	<0.46		25	
Chlorobenzene	ug/m3	<0.26	<0.26		25	
Chloroethane	ug/m3	<0.29	<0.29		25	
Chloroform	ug/m3	<0.33	<0.33		25	
Chloromethane	ug/m3	0.31J	<0.19		25	
cis-1,2-Dichloroethene	ug/m3	<0.49	<0.49		25	
cis-1,3-Dichloropropene	ug/m3	<0.35	<0.35		25	
Cyclohexane	ug/m3	<0.33	<0.33		25	
Dibromochloromethane	ug/m3	<0.64	<0.64		25	
Dichlorodifluoromethane	ug/m3	<0.60	<0.60		25	
Dichlorotetrafluoroethane	ug/m3	<0.64	<0.64		25	
Ethanol	ug/m3	<0.67	<0.67		25	
Ethyl acetate	ug/m3	<0.28	<0.28		25	
Ethylbenzene	ug/m3	<0.25	<0.25		25	
Hexachloro-1,3-butadiene	ug/m3	<1.3	<1.3		25	
m&p-Xylene	ug/m3	<0.50	<0.50		25	
Methyl-tert-butyl ether	ug/m3	<0.96	<0.96		25	
Methylene Chloride	ug/m3	<2.2	<2.2		25	
n-Heptane	ug/m3	<0.30	<0.30		25	

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QUALITY CONTROL DATA

Project: 0403363 Kraft

Pace Project No.: 10402232

SAMPLE DUPLICATE: 2697914

Parameter	Units	10402280003 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	<0.48	<0.48		25	
Naphthalene	ug/m3	<0.86	<0.86		25	
o-Xylene	ug/m3	<0.53	<0.53		25	
Propylene	ug/m3	<0.23	<0.23		25	
Styrene	ug/m3	<0.24	<0.24		25	
Tetrachloroethene	ug/m3	<0.41	<0.41		25	
Tetrahydrofuran	ug/m3	<0.39	<0.39		25	
Toluene	ug/m3	<0.23	<0.23		25	
trans-1,2-Dichloroethene	ug/m3	<0.42	<0.42		25	
trans-1,3-Dichloropropene	ug/m3	<0.60	<0.60		25	
Trichloroethene	ug/m3	<0.39	<0.39		25	
Trichlorofluoromethane	ug/m3	<0.60	<0.60		25	
Vinyl acetate	ug/m3	<0.23	<0.23		25	
Vinyl chloride	ug/m3	<0.18	<0.18		25	

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QUALIFIERS

Project: 0403363 Kraft

Pace Project No.: 10402232

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

A3 The sample was analyzed by serial dilution.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0403363 Kraft

Pace Project No.: 10402232

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10402232001	VP-11	TO-15	495967		
10402232002	VP-12	TO-15	495967		
10402232003	VP-13	TO-15	495967		
10402232004	VP-14	TO-15	495967		
10402232005	VP-15	TO-15	495967		
10402232006	VP-16	TO-15	495967		

REPORT OF LABORATORY ANALYSIS


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Air Sample Condition Upon Receipt

Client Name: ERM

Project #: _____

WO#: **10402232**



10402232

Courier: Fed Ex UPS Speedee Client
 Commercial Pace Other: _____

Tracking Number: 7476 3001 6714

Optional: Proj. Due Date: Proj. Name: _____

Custody Seal on Cooler/Box Present? Yes No **Seals Intact?** Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Tin Can Other: _____ **Temp Blank rec:** Yes No

Temp. (TO17 and TO13 samples only) (°C): X **Corrected Temp (°C):** X **Thermom. Used:** 151401163
 G87A9155100842
Temp should be above freezing to 6°C **Correction Factor:** X **Date & Initials of Person Examining Contents:** 9-7-17 AA

Type of ice Received Blue Wet None

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	10.
Media: <u>Air Can</u> Airbag Filter TDT Passive				11. Individually Certified Cans Y <input checked="" type="checkbox"/> N (list which samples)
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	12.

Canisters			Canisters		
Sample Number	Can ID	Flow Controller ID	Sample Number	Can ID	Flow Controller ID
VP-11		1474			
VP-12		1322			
VP-13		1323			
VP-14		1347			
VP-15		1328			
VP-16		1342			

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes No

Person Contacted: _____ **Date/Time:** _____

Comments/Resolution: _____

Project Manager Review: Megan McCalve **Date:** 9/7/17

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

August 11, 2017

Andrew DeWitt
ERM, Inc.
3352 128th Avenue
Holland, MI 49424

RE: Project: 0403363 KRAFT
Pace Project No.: 40154013

Dear Andrew DeWitt:

Enclosed are the analytical results for sample(s) received by the laboratory on July 28, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Carl Stay, ERM, Inc.
David deCourcy-Bower, ERM, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 0403363 KRAFT

Pace Project No.: 40154013

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40154013001	SB-28-S	Water	07/26/17 17:15	07/28/17 09:35
40154013002	SB-31-D	Water	07/26/17 16:55	07/28/17 09:35
40154013003	SB-30-S	Water	07/26/17 16:40	07/28/17 09:35
40154013004	SB-27-S	Water	07/26/17 16:00	07/28/17 09:35
40154013005	SB-32-S	Water	07/26/17 15:20	07/28/17 09:35
40154013006	SB-26-S	Water	07/26/17 13:50	07/28/17 09:35
40154013007	SB-31-S	Water	07/26/17 14:30	07/28/17 09:35
40154013008	SB-27-D	Water	07/27/17 09:10	07/28/17 09:35
40154013009	SB-53-S	Water	07/27/17 10:15	07/28/17 09:35
40154013010	SB-34-S	Water	07/27/17 11:00	07/28/17 09:35
40154013011	SB-35-S	Water	07/27/17 11:25	07/28/17 09:35
40154013012	SB-36-S	Water	07/27/17 12:05	07/28/17 09:35
40154013013	SB-35, 3.5-4.5	Solid	07/27/17 10:45	07/28/17 09:35
40154013014	TB	Water	07/27/17 00:00	07/28/17 09:35

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 0403363 KRAFT

Pace Project No.: 40154013

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40154013001	SB-28-S	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	MDS	64	PASI-G
40154013002	SB-31-D	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	MDS	64	PASI-G
40154013003	SB-30-S	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	MDS	64	PASI-G
40154013004	SB-27-S	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	MDS	64	PASI-G
40154013005	SB-32-S	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	MDS	64	PASI-G
40154013006	SB-26-S	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	MDS	64	PASI-G
40154013007	SB-31-S	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	MDS	64	PASI-G
40154013008	SB-27-D	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	MDS	64	PASI-G
40154013009	SB-53-S	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	MDS	64	PASI-G
40154013010	SB-34-S	EPA 6010	DLB	7	PASI-G

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 0403363 KRAFT
Pace Project No.: 40154013

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40154013011	SB-35-S	EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	MDS	68	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
40154013012	SB-36-S	EPA 8260	MDS	64	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
40154013013	SB-35, 3.5-4.5	EPA 8260	MDS	64	PASI-G
		EPA 8082	BLM	10	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40154013014	TB	EPA 8260	MDS	64	PASI-G

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 0403363 KRAFT

Pace Project No.: 40154013

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40154013001	SB-28-S					
EPA 6010	Barium	320	ug/L	5.0	08/02/17 13:41	
EPA 6010	Chromium	9.8J	ug/L	10.0	08/02/17 13:41	
EPA 6010	Lead	8.9J	ug/L	13.0	08/02/17 13:41	
40154013002	SB-31-D					
EPA 6010	Arsenic	143	ug/L	25.0	08/02/17 13:52	
EPA 6010	Barium	1920	ug/L	5.0	08/02/17 13:52	
EPA 6010	Chromium	372	ug/L	10.0	08/02/17 13:52	
EPA 6010	Lead	148	ug/L	13.0	08/02/17 13:52	
EPA 7470	Mercury	0.34J	ug/L	0.42	08/04/17 09:11	
EPA 8270	Carbazole	1.2J	ug/L	2.6	08/02/17 10:21	
EPA 8270	Fluoranthene	0.96J	ug/L	2.0	08/02/17 10:21	
EPA 8260	Benzene	6.9	ug/L	1.0	08/01/17 01:39	
EPA 8260	1,2-Dichlorobenzene	0.52J	ug/L	1.0	08/01/17 01:39	
EPA 8260	Ethylbenzene	9.0	ug/L	1.0	08/01/17 01:39	
EPA 8260	Isopropylbenzene (Cumene)	1.8	ug/L	1.0	08/01/17 01:39	
EPA 8260	n-Propylbenzene	1.9	ug/L	1.0	08/01/17 01:39	
EPA 8260	Toluene	1.1	ug/L	1.0	08/01/17 01:39	
EPA 8260	1,2,4-Trimethylbenzene	1.0	ug/L	1.0	08/01/17 01:39	
40154013003	SB-30-S					
EPA 6010	Barium	92.4	ug/L	5.0	08/02/17 13:55	
EPA 6010	Chromium	9.1J	ug/L	10.0	08/02/17 13:55	
40154013004	SB-27-S					
EPA 6010	Arsenic	9.3J	ug/L	25.0	08/02/17 13:57	
EPA 6010	Barium	407	ug/L	5.0	08/02/17 13:57	
EPA 6010	Cadmium	2.2J	ug/L	5.0	08/02/17 13:57	
EPA 6010	Chromium	26.1	ug/L	10.0	08/02/17 13:57	
EPA 6010	Lead	259	ug/L	13.0	08/02/17 13:57	
EPA 7470	Mercury	0.65	ug/L	0.42	08/04/17 09:15	
EPA 8270	Benzo(a)anthracene	0.63J	ug/L	1.9	08/02/17 12:08	
EPA 8270	Benzo(b)fluoranthene	0.74J	ug/L	2.3	08/02/17 12:08	
EPA 8270	Fluoranthene	0.95J	ug/L	2.0	08/02/17 12:08	
40154013005	SB-32-S					
EPA 6010	Barium	300	ug/L	5.0	08/02/17 14:00	
EPA 6010	Chromium	67.2	ug/L	10.0	08/02/17 14:00	
EPA 6010	Lead	30.7	ug/L	13.0	08/02/17 14:00	
EPA 8270	bis(2-Ethylhexyl)phthalate	1.3J	ug/L	2.5	08/02/17 12:29	
40154013006	SB-26-S					
EPA 6010	Arsenic	49.9	ug/L	25.0	08/02/17 14:02	
EPA 6010	Barium	1290	ug/L	5.0	08/02/17 14:02	
EPA 6010	Cadmium	21.8	ug/L	5.0	08/02/17 14:02	
EPA 6010	Chromium	117	ug/L	10.0	08/02/17 14:02	
EPA 6010	Lead	1390	ug/L	13.0	08/02/17 14:02	
EPA 7470	Mercury	2.1	ug/L	0.42	08/04/17 09:25	
EPA 8270	Benzo(a)anthracene	0.62J	ug/L	1.9	08/02/17 12:51	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 0403363 KRAFT
Pace Project No.: 40154013

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40154013006	SB-26-S					
EPA 8270	Benzo(b)fluoranthene	0.76J	ug/L	2.3	08/02/17 12:51	
EPA 8270	Fluoranthene	0.93J	ug/L	2.0	08/02/17 12:51	
40154013007	SB-31-S					
EPA 6010	Arsenic	155	ug/L	25.0	08/02/17 14:05	
EPA 6010	Barium	1360	ug/L	5.0	08/02/17 14:05	
EPA 6010	Chromium	229	ug/L	10.0	08/02/17 14:05	
EPA 6010	Lead	89.2	ug/L	13.0	08/02/17 14:05	
EPA 7470	Mercury	0.18J	ug/L	0.42	08/04/17 09:27	
40154013008	SB-27-D					
EPA 6010	Arsenic	19.3J	ug/L	25.0	08/02/17 14:07	
EPA 6010	Barium	298	ug/L	5.0	08/02/17 14:07	
EPA 6010	Chromium	67.0	ug/L	10.0	08/02/17 14:07	
EPA 6010	Lead	117	ug/L	13.0	08/02/17 14:07	
EPA 8260	cis-1,2-Dichloroethene	3.7	ug/L	1.0	08/01/17 00:32	
40154013009	SB-53-S					
EPA 6010	Barium	155	ug/L	5.0	08/02/17 14:10	
EPA 6010	Chromium	4.8J	ug/L	10.0	08/02/17 14:10	
EPA 8260	cis-1,2-Dichloroethene	0.51J	ug/L	1.0	08/01/17 00:55	
EPA 8260	Trichloroethene	0.39J	ug/L	1.0	08/01/17 00:55	
40154013010	SB-34-S					
EPA 6010	Barium	125	ug/L	5.0	08/02/17 14:12	
EPA 6010	Chromium	7.0J	ug/L	10.0	08/02/17 14:12	
40154013011	SB-35-S					
EPA 6010	Arsenic	35.3	ug/L	25.0	08/02/17 14:19	
EPA 6010	Barium	362	ug/L	5.0	08/02/17 14:19	
EPA 6010	Chromium	15.6	ug/L	10.0	08/02/17 14:19	
EPA 6010	Lead	20.5	ug/L	13.0	08/02/17 14:19	
EPA 8260	cis-1,2-Dichloroethene	0.70J	ug/L	1.0	07/31/17 19:43	
EPA 8260	trans-1,2-Dichloroethene	0.75J	ug/L	1.0	07/31/17 19:43	
EPA 8260	Vinyl chloride	0.48J	ug/L	1.0	07/31/17 19:43	
40154013012	SB-36-S					
EPA 6010	Arsenic	36.2	ug/L	25.0	08/02/17 14:22	
EPA 6010	Barium	288	ug/L	5.0	08/02/17 14:22	
EPA 6010	Chromium	58.0	ug/L	10.0	08/02/17 14:22	
EPA 6010	Lead	21.6	ug/L	13.0	08/02/17 14:22	
EPA 7470	Mercury	0.18J	ug/L	0.42	08/04/17 09:38	
40154013013	SB-35, 3.5-4.5					
EPA 6010	Arsenic	13.0	mg/kg	7.6	08/04/17 10:31	
EPA 6010	Barium	90.4	mg/kg	0.76	08/04/17 10:31	
EPA 6010	Cadmium	0.79	mg/kg	0.76	08/04/17 10:31	
EPA 6010	Chromium	19.0	mg/kg	1.5	08/04/17 10:31	
EPA 6010	Lead	18.1	mg/kg	2.0	08/04/17 10:31	
EPA 6010	Silver	1.2J	mg/kg	1.5	08/04/17 10:31	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 0403363 KRAFT

Pace Project No.: 40154013

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40154013013	SB-35, 3.5-4.5					
EPA 7471	Mercury	0.080	mg/kg	0.057	08/11/17 12:43	
EPA 8270	2-Methylnaphthalene	2430	ug/kg	232	07/31/17 18:22	
EPA 8270	Acenaphthene	1080	ug/kg	317	07/31/17 18:22	
EPA 8270	Acenaphthylene	98.3J	ug/kg	319	07/31/17 18:22	
EPA 8270	Anthracene	481	ug/kg	143	07/31/17 18:22	
EPA 8270	Benzo(a)anthracene	319	ug/kg	138	07/31/17 18:22	
EPA 8270	Benzo(a)pyrene	244	ug/kg	135	07/31/17 18:22	
EPA 8270	Benzo(b)fluoranthene	219	ug/kg	154	07/31/17 18:22	
EPA 8270	Benzo(g,h,i)perylene	144J	ug/kg	234	07/31/17 18:22	
EPA 8270	Benzo(k)fluoranthene	92.0J	ug/kg	214	07/31/17 18:22	
EPA 8270	Chrysene	372	ug/kg	134	07/31/17 18:22	
EPA 8270	Dibenzofuran	113	ug/kg	108	07/31/17 18:22	
EPA 8270	Fluoranthene	677	ug/kg	126	07/31/17 18:22	
EPA 8270	Fluorene	581	ug/kg	104	07/31/17 18:22	
EPA 8270	Indeno(1,2,3-cd)pyrene	141J	ug/kg	193	07/31/17 18:22	
EPA 8270	Naphthalene	3420	ug/kg	313	07/31/17 18:22	
EPA 8270	Phenanthrene	1670	ug/kg	115	07/31/17 18:22	
EPA 8270	Phenol	73.8J	ug/kg	212	07/31/17 18:22	
EPA 8270	Pyrene	882	ug/kg	198	07/31/17 18:22	
ASTM D2974-87	Percent Moisture	37.7	%	0.10	07/31/17 17:26	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT
Pace Project No.: 40154013

Sample: SB-28-S **Lab ID: 40154013001** Collected: 07/26/17 17:15 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	<8.3	ug/L	25.0	8.3	1	08/01/17 11:54	08/02/17 13:41	7440-38-2	
Barium	320	ug/L	5.0	1.5	1	08/01/17 11:54	08/02/17 13:41	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/01/17 11:54	08/02/17 13:41	7440-43-9	
Chromium	9.8J	ug/L	10.0	2.5	1	08/01/17 11:54	08/02/17 13:41	7440-47-3	
Lead	8.9J	ug/L	13.0	4.3	1	08/01/17 11:54	08/02/17 13:41	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/01/17 11:54	08/02/17 13:41	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/01/17 11:54	08/02/17 13:41	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.13	ug/L	0.42	0.13	1	08/03/17 13:00	08/04/17 09:08	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,2,4-Trichlorobenzene	<2.0	ug/L	6.8	2.0	1	08/01/17 08:10	08/02/17 09:59	120-82-1	
1,2-Dichlorobenzene	<1.9	ug/L	6.4	1.9	1	08/01/17 08:10	08/02/17 09:59	95-50-1	
1,3-Dichlorobenzene	<1.9	ug/L	6.3	1.9	1	08/01/17 08:10	08/02/17 09:59	541-73-1	
1,4-Dichlorobenzene	<1.9	ug/L	6.3	1.9	1	08/01/17 08:10	08/02/17 09:59	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	5.1	1.5	1	08/01/17 08:10	08/02/17 09:59	108-60-1	
2,4,5-Trichlorophenol	<0.84	ug/L	2.8	0.84	1	08/01/17 08:10	08/02/17 09:59	95-95-4	
2,4,6-Trichlorophenol	<2.1	ug/L	7.0	2.1	1	08/01/17 08:10	08/02/17 09:59	88-06-2	
2,4-Dichlorophenol	<1.4	ug/L	4.6	1.4	1	08/01/17 08:10	08/02/17 09:59	120-83-2	
2,4-Dimethylphenol	<1.3	ug/L	4.2	1.3	1	08/01/17 08:10	08/02/17 09:59	105-67-9	
2,4-Dinitrophenol	<0.71	ug/L	2.4	0.71	1	08/01/17 08:10	08/02/17 09:59	51-28-5	
2,4-Dinitrotoluene	<0.79	ug/L	2.6	0.79	1	08/01/17 08:10	08/02/17 09:59	121-14-2	
2,6-Dinitrotoluene	<0.60	ug/L	2.0	0.60	1	08/01/17 08:10	08/02/17 09:59	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.5	1.6	1	08/01/17 08:10	08/02/17 09:59	91-58-7	
2-Chlorophenol	<1.2	ug/L	3.9	1.2	1	08/01/17 08:10	08/02/17 09:59	95-57-8	
2-Methylnaphthalene	<1.5	ug/L	5.0	1.5	1	08/01/17 08:10	08/02/17 09:59	91-57-6	
2-Methylphenol(o-Cresol)	<0.87	ug/L	2.9	0.87	1	08/01/17 08:10	08/02/17 09:59	95-48-7	
2-Nitroaniline	<0.77	ug/L	2.6	0.77	1	08/01/17 08:10	08/02/17 09:59	88-74-4	
2-Nitrophenol	<1.2	ug/L	3.9	1.2	1	08/01/17 08:10	08/02/17 09:59	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.6	ug/L	5.2	1.6	1	08/01/17 08:10	08/02/17 09:59		
3,3'-Dichlorobenzidine	<0.91	ug/L	3.0	0.91	1	08/01/17 08:10	08/02/17 09:59	91-94-1	
3-Nitroaniline	<0.97	ug/L	3.2	0.97	1	08/01/17 08:10	08/02/17 09:59	99-09-2	
4,6-Dinitro-2-methylphenol	<0.65	ug/L	2.2	0.65	1	08/01/17 08:10	08/02/17 09:59	534-52-1	
4-Bromophenylphenyl ether	<2.0	ug/L	6.6	2.0	1	08/01/17 08:10	08/02/17 09:59	101-55-3	
4-Chloro-3-methylphenol	<1.7	ug/L	5.6	1.7	1	08/01/17 08:10	08/02/17 09:59	59-50-7	
4-Chloroaniline	<1.1	ug/L	3.7	1.1	1	08/01/17 08:10	08/02/17 09:59	106-47-8	
4-Chlorophenylphenyl ether	<0.82	ug/L	2.7	0.82	1	08/01/17 08:10	08/02/17 09:59	7005-72-3	
4-Nitroaniline	<1.8	ug/L	6.1	1.8	1	08/01/17 08:10	08/02/17 09:59	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.5	1.0	1	08/01/17 08:10	08/02/17 09:59	100-02-7	
Acenaphthene	<1.3	ug/L	4.5	1.3	1	08/01/17 08:10	08/02/17 09:59	83-32-9	
Acenaphthylene	<1.1	ug/L	3.5	1.1	1	08/01/17 08:10	08/02/17 09:59	208-96-8	
Anthracene	<1.8	ug/L	6.0	1.8	1	08/01/17 08:10	08/02/17 09:59	120-12-7	
Benzo(a)anthracene	<0.53	ug/L	1.8	0.53	1	08/01/17 08:10	08/02/17 09:59	56-55-3	
Benzo(a)pyrene	<1.9	ug/L	6.3	1.9	1	08/01/17 08:10	08/02/17 09:59	50-32-8	
Benzo(b)fluoranthene	<0.65	ug/L	2.2	0.65	1	08/01/17 08:10	08/02/17 09:59	205-99-2	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-28-S **Lab ID: 40154013001** Collected: 07/26/17 17:15 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.81	ug/L	2.7	0.81	1	08/01/17 08:10	08/02/17 09:59	191-24-2	
Benzo(k)fluoranthene	<1.0	ug/L	3.3	1.0	1	08/01/17 08:10	08/02/17 09:59	207-08-9	
Butylbenzylphthalate	<0.77	ug/L	2.6	0.77	1	08/01/17 08:10	08/02/17 09:59	85-68-7	
Carbazole	<0.75	ug/L	2.5	0.75	1	08/01/17 08:10	08/02/17 09:59	86-74-8	
Chrysene	<1.7	ug/L	5.8	1.7	1	08/01/17 08:10	08/02/17 09:59	218-01-9	
Di-n-butylphthalate	<2.6	ug/L	8.5	2.6	1	08/01/17 08:10	08/02/17 09:59	84-74-2	
Di-n-octylphthalate	<1.9	ug/L	6.3	1.9	1	08/01/17 08:10	08/02/17 09:59	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.4	1.3	1	08/01/17 08:10	08/02/17 09:59	53-70-3	
Dibenzofuran	<0.77	ug/L	2.6	0.77	1	08/01/17 08:10	08/02/17 09:59	132-64-9	
Diethylphthalate	<1.1	ug/L	3.6	1.1	1	08/01/17 08:10	08/02/17 09:59	84-66-2	
Dimethylphthalate	<1.9	ug/L	6.4	1.9	1	08/01/17 08:10	08/02/17 09:59	131-11-3	
Fluoranthene	<0.56	ug/L	1.9	0.56	1	08/01/17 08:10	08/02/17 09:59	206-44-0	
Fluorene	<0.75	ug/L	2.5	0.75	1	08/01/17 08:10	08/02/17 09:59	86-73-7	
Hexachloro-1,3-butadiene	<2.5	ug/L	8.2	2.5	1	08/01/17 08:10	08/02/17 09:59	87-68-3	
Hexachlorobenzene	<1.7	ug/L	5.6	1.7	1	08/01/17 08:10	08/02/17 09:59	118-74-1	
Hexachlorocyclopentadiene	<0.68	ug/L	2.3	0.68	1	08/01/17 08:10	08/02/17 09:59	77-47-4	
Hexachloroethane	<2.7	ug/L	8.9	2.7	1	08/01/17 08:10	08/02/17 09:59	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.5	ug/L	5.0	1.5	1	08/01/17 08:10	08/02/17 09:59	193-39-5	
Isophorone	<0.73	ug/L	2.4	0.73	1	08/01/17 08:10	08/02/17 09:59	78-59-1	
N-Nitroso-di-n-propylamine	<0.97	ug/L	3.2	0.97	1	08/01/17 08:10	08/02/17 09:59	621-64-7	
N-Nitrosodiphenylamine	<3.5	ug/L	11.8	3.5	1	08/01/17 08:10	08/02/17 09:59	86-30-6	
Naphthalene	<1.9	ug/L	6.3	1.9	1	08/01/17 08:10	08/02/17 09:59	91-20-3	
Nitrobenzene	<1.5	ug/L	4.8	1.5	1	08/01/17 08:10	08/02/17 09:59	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.8	1.4	1	08/01/17 08:10	08/02/17 09:59	87-86-5	
Phenanthrene	<1.8	ug/L	6.1	1.8	1	08/01/17 08:10	08/02/17 09:59	85-01-8	
Phenol	<0.60	ug/L	2.0	0.60	1	08/01/17 08:10	08/02/17 09:59	108-95-2	
Pyrene	<1.3	ug/L	4.5	1.3	1	08/01/17 08:10	08/02/17 09:59	129-00-0	
bis(2-Chloroethoxy)methane	<1.0	ug/L	3.3	1.0	1	08/01/17 08:10	08/02/17 09:59	111-91-1	
bis(2-Chloroethyl) ether	<1.6	ug/L	5.3	1.6	1	08/01/17 08:10	08/02/17 09:59	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.69	ug/L	2.3	0.69	1	08/01/17 08:10	08/02/17 09:59	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	77	%	53-100		1	08/01/17 08:10	08/02/17 09:59	4165-60-0	
2-Fluorobiphenyl (S)	84	%	59-109		1	08/01/17 08:10	08/02/17 09:59	321-60-8	
Terphenyl-d14 (S)	105	%	59-108		1	08/01/17 08:10	08/02/17 09:59	1718-51-0	
Phenol-d6 (S)	28	%	18-120		1	08/01/17 08:10	08/02/17 09:59	13127-88-3	
2-Fluorophenol (S)	55	%	27-67		1	08/01/17 08:10	08/02/17 09:59	367-12-4	
2,4,6-Tribromophenol (S)	102	%	65-140		1	08/01/17 08:10	08/02/17 09:59	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/31/17 20:28	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/31/17 20:28	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/31/17 20:28	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	104-51-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-28-S **Lab ID: 40154013001** Collected: 07/26/17 17:15 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/31/17 20:28	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/31/17 20:28	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/31/17 20:28	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/31/17 20:28	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/31/17 20:28	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/31/17 20:28	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/31/17 20:28	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/31/17 20:28	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/31/17 20:28	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/31/17 20:28	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/31/17 20:28	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/31/17 20:28	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/31/17 20:28	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/31/17 20:28	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/31/17 20:28	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/31/17 20:28	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/31/17 20:28	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/31/17 20:28	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/31/17 20:28	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/31/17 20:28	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/31/17 20:28	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/31/17 20:28	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/31/17 20:28	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/31/17 20:28	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/31/17 20:28	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/31/17 20:28	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/31/17 20:28	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/31/17 20:28	79-00-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-28-S **Lab ID: 40154013001** Collected: 07/26/17 17:15 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/31/17 20:28	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/31/17 20:28	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/31/17 20:28	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/31/17 20:28	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	61-130		1		07/31/17 20:28	460-00-4	
Dibromofluoromethane (S)	110	%	67-130		1		07/31/17 20:28	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		07/31/17 20:28	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-31-D **Lab ID: 40154013002** Collected: 07/26/17 16:55 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	143	ug/L	25.0	8.3	1	08/01/17 11:54	08/02/17 13:52	7440-38-2	
Barium	1920	ug/L	5.0	1.5	1	08/01/17 11:54	08/02/17 13:52	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/01/17 11:54	08/02/17 13:52	7440-43-9	
Chromium	372	ug/L	10.0	2.5	1	08/01/17 11:54	08/02/17 13:52	7440-47-3	
Lead	148	ug/L	13.0	4.3	1	08/01/17 11:54	08/02/17 13:52	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/01/17 11:54	08/02/17 13:52	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/01/17 11:54	08/02/17 13:52	7440-22-4	
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	0.34J	ug/L	0.42	0.13	1	08/03/17 13:00	08/04/17 09:11	7439-97-6	
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,2,4-Trichlorobenzene	<2.1	ug/L	7.1	2.1	1	08/01/17 08:10	08/02/17 10:21	120-82-1	
1,2-Dichlorobenzene	<2.0	ug/L	6.8	2.0	1	08/01/17 08:10	08/02/17 10:21	95-50-1	
1,3-Dichlorobenzene	<2.0	ug/L	6.6	2.0	1	08/01/17 08:10	08/02/17 10:21	541-73-1	
1,4-Dichlorobenzene	<2.0	ug/L	6.6	2.0	1	08/01/17 08:10	08/02/17 10:21	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.6	ug/L	5.4	1.6	1	08/01/17 08:10	08/02/17 10:21	108-60-1	
2,4,5-Trichlorophenol	<0.89	ug/L	3.0	0.89	1	08/01/17 08:10	08/02/17 10:21	95-95-4	
2,4,6-Trichlorophenol	<2.2	ug/L	7.4	2.2	1	08/01/17 08:10	08/02/17 10:21	88-06-2	
2,4-Dichlorophenol	<1.4	ug/L	4.8	1.4	1	08/01/17 08:10	08/02/17 10:21	120-83-2	
2,4-Dimethylphenol	<1.3	ug/L	4.4	1.3	1	08/01/17 08:10	08/02/17 10:21	105-67-9	
2,4-Dinitrophenol	<0.75	ug/L	2.5	0.75	1	08/01/17 08:10	08/02/17 10:21	51-28-5	
2,4-Dinitrotoluene	<0.83	ug/L	2.8	0.83	1	08/01/17 08:10	08/02/17 10:21	121-14-2	
2,6-Dinitrotoluene	<0.63	ug/L	2.1	0.63	1	08/01/17 08:10	08/02/17 10:21	606-20-2	
2-Chloronaphthalene	<1.7	ug/L	5.8	1.7	1	08/01/17 08:10	08/02/17 10:21	91-58-7	
2-Chlorophenol	<1.2	ug/L	4.1	1.2	1	08/01/17 08:10	08/02/17 10:21	95-57-8	
2-Methylnaphthalene	<1.6	ug/L	5.3	1.6	1	08/01/17 08:10	08/02/17 10:21	91-57-6	
2-Methylphenol(o-Cresol)	<0.91	ug/L	3.0	0.91	1	08/01/17 08:10	08/02/17 10:21	95-48-7	
2-Nitroaniline	<0.81	ug/L	2.7	0.81	1	08/01/17 08:10	08/02/17 10:21	88-74-4	
2-Nitrophenol	<1.2	ug/L	4.1	1.2	1	08/01/17 08:10	08/02/17 10:21	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.6	ug/L	5.5	1.6	1	08/01/17 08:10	08/02/17 10:21		
3,3'-Dichlorobenzidine	<0.95	ug/L	3.2	0.95	1	08/01/17 08:10	08/02/17 10:21	91-94-1	
3-Nitroaniline	<1.0	ug/L	3.4	1.0	1	08/01/17 08:10	08/02/17 10:21	99-09-2	
4,6-Dinitro-2-methylphenol	<0.69	ug/L	2.3	0.69	1	08/01/17 08:10	08/02/17 10:21	534-52-1	
4-Bromophenylphenyl ether	<2.1	ug/L	6.9	2.1	1	08/01/17 08:10	08/02/17 10:21	101-55-3	
4-Chloro-3-methylphenol	<1.8	ug/L	5.9	1.8	1	08/01/17 08:10	08/02/17 10:21	59-50-7	
4-Chloroaniline	<1.2	ug/L	3.8	1.2	1	08/01/17 08:10	08/02/17 10:21	106-47-8	
4-Chlorophenylphenyl ether	<0.86	ug/L	2.9	0.86	1	08/01/17 08:10	08/02/17 10:21	7005-72-3	
4-Nitroaniline	<1.9	ug/L	6.4	1.9	1	08/01/17 08:10	08/02/17 10:21	100-01-6	
4-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/01/17 08:10	08/02/17 10:21	100-02-7	
Acenaphthene	<1.4	ug/L	4.7	1.4	1	08/01/17 08:10	08/02/17 10:21	83-32-9	
Acenaphthylene	<1.1	ug/L	3.7	1.1	1	08/01/17 08:10	08/02/17 10:21	208-96-8	
Anthracene	<1.9	ug/L	6.3	1.9	1	08/01/17 08:10	08/02/17 10:21	120-12-7	
Benzo(a)anthracene	<0.56	ug/L	1.9	0.56	1	08/01/17 08:10	08/02/17 10:21	56-55-3	
Benzo(a)pyrene	<2.0	ug/L	6.6	2.0	1	08/01/17 08:10	08/02/17 10:21	50-32-8	
Benzo(b)fluoranthene	<0.69	ug/L	2.3	0.69	1	08/01/17 08:10	08/02/17 10:21	205-99-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-31-D **Lab ID: 40154013002** Collected: 07/26/17 16:55 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.85	ug/L	2.8	0.85	1	08/01/17 08:10	08/02/17 10:21	191-24-2	
Benzo(k)fluoranthene	<1.1	ug/L	3.5	1.1	1	08/01/17 08:10	08/02/17 10:21	207-08-9	
Butylbenzylphthalate	<0.81	ug/L	2.7	0.81	1	08/01/17 08:10	08/02/17 10:21	85-68-7	
Carbazole	1.2J	ug/L	2.6	0.79	1	08/01/17 08:10	08/02/17 10:21	86-74-8	
Chrysene	<1.8	ug/L	6.1	1.8	1	08/01/17 08:10	08/02/17 10:21	218-01-9	
Di-n-butylphthalate	<2.7	ug/L	9.0	2.7	1	08/01/17 08:10	08/02/17 10:21	84-74-2	
Di-n-octylphthalate	<2.0	ug/L	6.6	2.0	1	08/01/17 08:10	08/02/17 10:21	117-84-0	
Dibenz(a,h)anthracene	<1.4	ug/L	4.6	1.4	1	08/01/17 08:10	08/02/17 10:21	53-70-3	
Dibenzofuran	<0.81	ug/L	2.7	0.81	1	08/01/17 08:10	08/02/17 10:21	132-64-9	
Diethylphthalate	<1.1	ug/L	3.8	1.1	1	08/01/17 08:10	08/02/17 10:21	84-66-2	
Dimethylphthalate	<2.0	ug/L	6.8	2.0	1	08/01/17 08:10	08/02/17 10:21	131-11-3	
Fluoranthene	0.96J	ug/L	2.0	0.59	1	08/01/17 08:10	08/02/17 10:21	206-44-0	
Fluorene	<0.79	ug/L	2.6	0.79	1	08/01/17 08:10	08/02/17 10:21	86-73-7	
Hexachloro-1,3-butadiene	<2.6	ug/L	8.6	2.6	1	08/01/17 08:10	08/02/17 10:21	87-68-3	
Hexachlorobenzene	<1.8	ug/L	5.9	1.8	1	08/01/17 08:10	08/02/17 10:21	118-74-1	
Hexachlorocyclopentadiene	<0.71	ug/L	2.4	0.71	1	08/01/17 08:10	08/02/17 10:21	77-47-4	
Hexachloroethane	<2.8	ug/L	9.3	2.8	1	08/01/17 08:10	08/02/17 10:21	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.6	ug/L	5.3	1.6	1	08/01/17 08:10	08/02/17 10:21	193-39-5	
Isophorone	<0.77	ug/L	2.6	0.77	1	08/01/17 08:10	08/02/17 10:21	78-59-1	
N-Nitroso-di-n-propylamine	<1.0	ug/L	3.4	1.0	1	08/01/17 08:10	08/02/17 10:21	621-64-7	
N-Nitrosodiphenylamine	<3.7	ug/L	12.4	3.7	1	08/01/17 08:10	08/02/17 10:21	86-30-6	
Naphthalene	<2.0	ug/L	6.7	2.0	1	08/01/17 08:10	08/02/17 10:21	91-20-3	
Nitrobenzene	<1.5	ug/L	5.1	1.5	1	08/01/17 08:10	08/02/17 10:21	98-95-3	
Pentachlorophenol	<1.5	ug/L	5.0	1.5	1	08/01/17 08:10	08/02/17 10:21	87-86-5	
Phenanthrene	<1.9	ug/L	6.4	1.9	1	08/01/17 08:10	08/02/17 10:21	85-01-8	
Phenol	<0.63	ug/L	2.1	0.63	1	08/01/17 08:10	08/02/17 10:21	108-95-2	
Pyrene	<1.4	ug/L	4.7	1.4	1	08/01/17 08:10	08/02/17 10:21	129-00-0	
bis(2-Chloroethoxy)methane	<1.0	ug/L	3.5	1.0	1	08/01/17 08:10	08/02/17 10:21	111-91-1	
bis(2-Chloroethyl) ether	<1.7	ug/L	5.5	1.7	1	08/01/17 08:10	08/02/17 10:21	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.73	ug/L	2.4	0.73	1	08/01/17 08:10	08/02/17 10:21	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	75	%	53-100		1	08/01/17 08:10	08/02/17 10:21	4165-60-0	
2-Fluorobiphenyl (S)	67	%	59-109		1	08/01/17 08:10	08/02/17 10:21	321-60-8	
Terphenyl-d14 (S)	91	%	59-108		1	08/01/17 08:10	08/02/17 10:21	1718-51-0	
Phenol-d6 (S)	28	%	18-120		1	08/01/17 08:10	08/02/17 10:21	13127-88-3	
2-Fluorophenol (S)	50	%	27-67		1	08/01/17 08:10	08/02/17 10:21	367-12-4	
2,4,6-Tribromophenol (S)	98	%	65-140		1	08/01/17 08:10	08/02/17 10:21	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	6.9	ug/L	1.0	0.50	1		08/01/17 01:39	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/01/17 01:39	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/01/17 01:39	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 01:39	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/01/17 01:39	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/01/17 01:39	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:39	104-51-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-31-D **Lab ID: 40154013002** Collected: 07/26/17 16:55 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/01/17 01:39	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/01/17 01:39	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/01/17 01:39	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:39	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/01/17 01:39	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/01/17 01:39	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 01:39	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:39	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/01/17 01:39	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/01/17 01:39	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 01:39	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/01/17 01:39	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/01/17 01:39	74-95-3	
1,2-Dichlorobenzene	0.52J	ug/L	1.0	0.50	1		08/01/17 01:39	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:39	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:39	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/01/17 01:39	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/01/17 01:39	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/01/17 01:39	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/01/17 01:39	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/01/17 01:39	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/01/17 01:39	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/01/17 01:39	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/01/17 01:39	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/01/17 01:39	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/01/17 01:39	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:39	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/01/17 01:39	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/01/17 01:39	108-20-3	
Ethylbenzene	9.0	ug/L	1.0	0.50	1		08/01/17 01:39	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/01/17 01:39	87-68-3	
Isopropylbenzene (Cumene)	1.8	ug/L	1.0	0.14	1		08/01/17 01:39	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:39	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/01/17 01:39	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/01/17 01:39	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/01/17 01:39	91-20-3	
n-Propylbenzene	1.9	ug/L	1.0	0.50	1		08/01/17 01:39	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:39	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/01/17 01:39	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/01/17 01:39	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:39	127-18-4	
Toluene	1.1	ug/L	1.0	0.50	1		08/01/17 01:39	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/01/17 01:39	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/01/17 01:39	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/01/17 01:39	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/01/17 01:39	79-00-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-31-D **Lab ID: 40154013002** Collected: 07/26/17 16:55 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/01/17 01:39	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/01/17 01:39	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/01/17 01:39	96-18-4	
1,2,4-Trimethylbenzene	1.0	ug/L	1.0	0.50	1		08/01/17 01:39	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:39	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/01/17 01:39	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/01/17 01:39	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	61-130		1		08/01/17 01:39	460-00-4	HS
Dibromofluoromethane (S)	110	%	67-130		1		08/01/17 01:39	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		08/01/17 01:39	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-30-S **Lab ID: 40154013003** Collected: 07/26/17 16:40 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	<8.3	ug/L	25.0	8.3	1	08/01/17 11:54	08/02/17 13:55	7440-38-2	
Barium	92.4	ug/L	5.0	1.5	1	08/01/17 11:54	08/02/17 13:55	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/01/17 11:54	08/02/17 13:55	7440-43-9	
Chromium	9.1J	ug/L	10.0	2.5	1	08/01/17 11:54	08/02/17 13:55	7440-47-3	
Lead	<4.3	ug/L	13.0	4.3	1	08/01/17 11:54	08/02/17 13:55	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/01/17 11:54	08/02/17 13:55	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/01/17 11:54	08/02/17 13:55	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.13	ug/L	0.42	0.13	1	08/03/17 13:00	08/04/17 09:13	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,2,4-Trichlorobenzene	<2.0	ug/L	6.8	2.0	1	08/01/17 08:10	08/02/17 11:46	120-82-1	
1,2-Dichlorobenzene	<1.9	ug/L	6.4	1.9	1	08/01/17 08:10	08/02/17 11:46	95-50-1	
1,3-Dichlorobenzene	<1.9	ug/L	6.3	1.9	1	08/01/17 08:10	08/02/17 11:46	541-73-1	
1,4-Dichlorobenzene	<1.9	ug/L	6.3	1.9	1	08/01/17 08:10	08/02/17 11:46	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	5.1	1.5	1	08/01/17 08:10	08/02/17 11:46	108-60-1	
2,4,5-Trichlorophenol	<0.84	ug/L	2.8	0.84	1	08/01/17 08:10	08/02/17 11:46	95-95-4	
2,4,6-Trichlorophenol	<2.1	ug/L	7.0	2.1	1	08/01/17 08:10	08/02/17 11:46	88-06-2	
2,4-Dichlorophenol	<1.4	ug/L	4.6	1.4	1	08/01/17 08:10	08/02/17 11:46	120-83-2	
2,4-Dimethylphenol	<1.3	ug/L	4.2	1.3	1	08/01/17 08:10	08/02/17 11:46	105-67-9	
2,4-Dinitrophenol	<0.71	ug/L	2.4	0.71	1	08/01/17 08:10	08/02/17 11:46	51-28-5	
2,4-Dinitrotoluene	<0.79	ug/L	2.6	0.79	1	08/01/17 08:10	08/02/17 11:46	121-14-2	
2,6-Dinitrotoluene	<0.60	ug/L	2.0	0.60	1	08/01/17 08:10	08/02/17 11:46	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.5	1.6	1	08/01/17 08:10	08/02/17 11:46	91-58-7	
2-Chlorophenol	<1.2	ug/L	3.9	1.2	1	08/01/17 08:10	08/02/17 11:46	95-57-8	
2-Methylnaphthalene	<1.5	ug/L	5.0	1.5	1	08/01/17 08:10	08/02/17 11:46	91-57-6	
2-Methylphenol(o-Cresol)	<0.87	ug/L	2.9	0.87	1	08/01/17 08:10	08/02/17 11:46	95-48-7	
2-Nitroaniline	<0.77	ug/L	2.6	0.77	1	08/01/17 08:10	08/02/17 11:46	88-74-4	
2-Nitrophenol	<1.2	ug/L	3.9	1.2	1	08/01/17 08:10	08/02/17 11:46	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.6	ug/L	5.2	1.6	1	08/01/17 08:10	08/02/17 11:46		
3,3'-Dichlorobenzidine	<0.91	ug/L	3.0	0.91	1	08/01/17 08:10	08/02/17 11:46	91-94-1	
3-Nitroaniline	<0.97	ug/L	3.2	0.97	1	08/01/17 08:10	08/02/17 11:46	99-09-2	
4,6-Dinitro-2-methylphenol	<0.65	ug/L	2.2	0.65	1	08/01/17 08:10	08/02/17 11:46	534-52-1	
4-Bromophenylphenyl ether	<2.0	ug/L	6.6	2.0	1	08/01/17 08:10	08/02/17 11:46	101-55-3	
4-Chloro-3-methylphenol	<1.7	ug/L	5.6	1.7	1	08/01/17 08:10	08/02/17 11:46	59-50-7	
4-Chloroaniline	<1.1	ug/L	3.7	1.1	1	08/01/17 08:10	08/02/17 11:46	106-47-8	
4-Chlorophenylphenyl ether	<0.82	ug/L	2.7	0.82	1	08/01/17 08:10	08/02/17 11:46	7005-72-3	
4-Nitroaniline	<1.8	ug/L	6.1	1.8	1	08/01/17 08:10	08/02/17 11:46	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.5	1.0	1	08/01/17 08:10	08/02/17 11:46	100-02-7	
Acenaphthene	<1.3	ug/L	4.5	1.3	1	08/01/17 08:10	08/02/17 11:46	83-32-9	
Acenaphthylene	<1.1	ug/L	3.5	1.1	1	08/01/17 08:10	08/02/17 11:46	208-96-8	
Anthracene	<1.8	ug/L	6.0	1.8	1	08/01/17 08:10	08/02/17 11:46	120-12-7	
Benzo(a)anthracene	<0.53	ug/L	1.8	0.53	1	08/01/17 08:10	08/02/17 11:46	56-55-3	
Benzo(a)pyrene	<1.9	ug/L	6.3	1.9	1	08/01/17 08:10	08/02/17 11:46	50-32-8	
Benzo(b)fluoranthene	<0.65	ug/L	2.2	0.65	1	08/01/17 08:10	08/02/17 11:46	205-99-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-30-S **Lab ID: 40154013003** Collected: 07/26/17 16:40 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.81	ug/L	2.7	0.81	1	08/01/17 08:10	08/02/17 11:46	191-24-2	
Benzo(k)fluoranthene	<1.0	ug/L	3.3	1.0	1	08/01/17 08:10	08/02/17 11:46	207-08-9	
Butylbenzylphthalate	<0.77	ug/L	2.6	0.77	1	08/01/17 08:10	08/02/17 11:46	85-68-7	
Carbazole	<0.75	ug/L	2.5	0.75	1	08/01/17 08:10	08/02/17 11:46	86-74-8	
Chrysene	<1.7	ug/L	5.8	1.7	1	08/01/17 08:10	08/02/17 11:46	218-01-9	
Di-n-butylphthalate	<2.6	ug/L	8.5	2.6	1	08/01/17 08:10	08/02/17 11:46	84-74-2	
Di-n-octylphthalate	<1.9	ug/L	6.3	1.9	1	08/01/17 08:10	08/02/17 11:46	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.4	1.3	1	08/01/17 08:10	08/02/17 11:46	53-70-3	
Dibenzofuran	<0.77	ug/L	2.6	0.77	1	08/01/17 08:10	08/02/17 11:46	132-64-9	
Diethylphthalate	<1.1	ug/L	3.6	1.1	1	08/01/17 08:10	08/02/17 11:46	84-66-2	
Dimethylphthalate	<1.9	ug/L	6.4	1.9	1	08/01/17 08:10	08/02/17 11:46	131-11-3	
Fluoranthene	<0.56	ug/L	1.9	0.56	1	08/01/17 08:10	08/02/17 11:46	206-44-0	
Fluorene	<0.75	ug/L	2.5	0.75	1	08/01/17 08:10	08/02/17 11:46	86-73-7	
Hexachloro-1,3-butadiene	<2.5	ug/L	8.2	2.5	1	08/01/17 08:10	08/02/17 11:46	87-68-3	
Hexachlorobenzene	<1.7	ug/L	5.6	1.7	1	08/01/17 08:10	08/02/17 11:46	118-74-1	
Hexachlorocyclopentadiene	<0.68	ug/L	2.3	0.68	1	08/01/17 08:10	08/02/17 11:46	77-47-4	
Hexachloroethane	<2.7	ug/L	8.9	2.7	1	08/01/17 08:10	08/02/17 11:46	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.5	ug/L	5.0	1.5	1	08/01/17 08:10	08/02/17 11:46	193-39-5	
Isophorone	<0.73	ug/L	2.4	0.73	1	08/01/17 08:10	08/02/17 11:46	78-59-1	
N-Nitroso-di-n-propylamine	<0.97	ug/L	3.2	0.97	1	08/01/17 08:10	08/02/17 11:46	621-64-7	
N-Nitrosodiphenylamine	<3.5	ug/L	11.8	3.5	1	08/01/17 08:10	08/02/17 11:46	86-30-6	
Naphthalene	<1.9	ug/L	6.3	1.9	1	08/01/17 08:10	08/02/17 11:46	91-20-3	
Nitrobenzene	<1.5	ug/L	4.8	1.5	1	08/01/17 08:10	08/02/17 11:46	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.8	1.4	1	08/01/17 08:10	08/02/17 11:46	87-86-5	
Phenanthrene	<1.8	ug/L	6.1	1.8	1	08/01/17 08:10	08/02/17 11:46	85-01-8	
Phenol	<0.60	ug/L	2.0	0.60	1	08/01/17 08:10	08/02/17 11:46	108-95-2	
Pyrene	<1.3	ug/L	4.5	1.3	1	08/01/17 08:10	08/02/17 11:46	129-00-0	
bis(2-Chloroethoxy)methane	<1.0	ug/L	3.3	1.0	1	08/01/17 08:10	08/02/17 11:46	111-91-1	
bis(2-Chloroethyl) ether	<1.6	ug/L	5.3	1.6	1	08/01/17 08:10	08/02/17 11:46	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.69	ug/L	2.3	0.69	1	08/01/17 08:10	08/02/17 11:46	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	87	%	53-100		1	08/01/17 08:10	08/02/17 11:46	4165-60-0	
2-Fluorobiphenyl (S)	71	%	59-109		1	08/01/17 08:10	08/02/17 11:46	321-60-8	
Terphenyl-d14 (S)	110	%	59-108		1	08/01/17 08:10	08/02/17 11:46	1718-51-0	S3
Phenol-d6 (S)	30	%	18-120		1	08/01/17 08:10	08/02/17 11:46	13127-88-3	
2-Fluorophenol (S)	56	%	27-67		1	08/01/17 08:10	08/02/17 11:46	367-12-4	
2,4,6-Tribromophenol (S)	105	%	65-140		1	08/01/17 08:10	08/02/17 11:46	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/31/17 23:26	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/31/17 23:26	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/31/17 23:26	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	104-51-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-30-S **Lab ID: 40154013003** Collected: 07/26/17 16:40 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/31/17 23:26	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/31/17 23:26	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/31/17 23:26	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/31/17 23:26	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/31/17 23:26	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/31/17 23:26	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/31/17 23:26	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/31/17 23:26	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/31/17 23:26	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/31/17 23:26	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/31/17 23:26	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/31/17 23:26	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/31/17 23:26	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/31/17 23:26	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/31/17 23:26	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/31/17 23:26	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/31/17 23:26	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/31/17 23:26	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/31/17 23:26	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/31/17 23:26	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/31/17 23:26	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/31/17 23:26	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/31/17 23:26	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/31/17 23:26	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/31/17 23:26	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/31/17 23:26	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/31/17 23:26	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/31/17 23:26	79-00-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-30-S **Lab ID: 40154013003** Collected: 07/26/17 16:40 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/31/17 23:26	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/31/17 23:26	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/31/17 23:26	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/31/17 23:26	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	61-130		1		07/31/17 23:26	460-00-4	HS
Dibromofluoromethane (S)	110	%	67-130		1		07/31/17 23:26	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		07/31/17 23:26	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-27-S **Lab ID: 40154013004** Collected: 07/26/17 16:00 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	9.3J	ug/L	25.0	8.3	1	08/01/17 11:54	08/02/17 13:57	7440-38-2	
Barium	407	ug/L	5.0	1.5	1	08/01/17 11:54	08/02/17 13:57	7440-39-3	
Cadmium	2.2J	ug/L	5.0	1.3	1	08/01/17 11:54	08/02/17 13:57	7440-43-9	
Chromium	26.1	ug/L	10.0	2.5	1	08/01/17 11:54	08/02/17 13:57	7440-47-3	
Lead	259	ug/L	13.0	4.3	1	08/01/17 11:54	08/02/17 13:57	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/01/17 11:54	08/02/17 13:57	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/01/17 11:54	08/02/17 13:57	7440-22-4	
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	0.65	ug/L	0.42	0.13	1	08/03/17 13:00	08/04/17 09:15	7439-97-6	
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,2,4-Trichlorobenzene	<2.1	ug/L	7.1	2.1	1	08/01/17 08:10	08/02/17 12:08	120-82-1	
1,2-Dichlorobenzene	<2.0	ug/L	6.7	2.0	1	08/01/17 08:10	08/02/17 12:08	95-50-1	
1,3-Dichlorobenzene	<2.0	ug/L	6.5	2.0	1	08/01/17 08:10	08/02/17 12:08	541-73-1	
1,4-Dichlorobenzene	<2.0	ug/L	6.5	2.0	1	08/01/17 08:10	08/02/17 12:08	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.6	ug/L	5.3	1.6	1	08/01/17 08:10	08/02/17 12:08	108-60-1	
2,4,5-Trichlorophenol	<0.88	ug/L	2.9	0.88	1	08/01/17 08:10	08/02/17 12:08	95-95-4	
2,4,6-Trichlorophenol	<2.2	ug/L	7.3	2.2	1	08/01/17 08:10	08/02/17 12:08	88-06-2	
2,4-Dichlorophenol	<1.4	ug/L	4.7	1.4	1	08/01/17 08:10	08/02/17 12:08	120-83-2	
2,4-Dimethylphenol	<1.3	ug/L	4.4	1.3	1	08/01/17 08:10	08/02/17 12:08	105-67-9	
2,4-Dinitrophenol	<0.74	ug/L	2.5	0.74	1	08/01/17 08:10	08/02/17 12:08	51-28-5	
2,4-Dinitrotoluene	<0.82	ug/L	2.7	0.82	1	08/01/17 08:10	08/02/17 12:08	121-14-2	
2,6-Dinitrotoluene	<0.63	ug/L	2.1	0.63	1	08/01/17 08:10	08/02/17 12:08	606-20-2	
2-Chloronaphthalene	<1.7	ug/L	5.7	1.7	1	08/01/17 08:10	08/02/17 12:08	91-58-7	
2-Chlorophenol	<1.2	ug/L	4.0	1.2	1	08/01/17 08:10	08/02/17 12:08	95-57-8	
2-Methylnaphthalene	<1.6	ug/L	5.3	1.6	1	08/01/17 08:10	08/02/17 12:08	91-57-6	
2-Methylphenol(o-Cresol)	<0.90	ug/L	3.0	0.90	1	08/01/17 08:10	08/02/17 12:08	95-48-7	
2-Nitroaniline	<0.81	ug/L	2.7	0.81	1	08/01/17 08:10	08/02/17 12:08	88-74-4	
2-Nitrophenol	<1.2	ug/L	4.0	1.2	1	08/01/17 08:10	08/02/17 12:08	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.6	ug/L	5.4	1.6	1	08/01/17 08:10	08/02/17 12:08		
3,3'-Dichlorobenzidine	<0.94	ug/L	3.1	0.94	1	08/01/17 08:10	08/02/17 12:08	91-94-1	
3-Nitroaniline	<1.0	ug/L	3.4	1.0	1	08/01/17 08:10	08/02/17 12:08	99-09-2	
4,6-Dinitro-2-methylphenol	<0.68	ug/L	2.3	0.68	1	08/01/17 08:10	08/02/17 12:08	534-52-1	
4-Bromophenylphenyl ether	<2.1	ug/L	6.8	2.1	1	08/01/17 08:10	08/02/17 12:08	101-55-3	
4-Chloro-3-methylphenol	<1.8	ug/L	5.9	1.8	1	08/01/17 08:10	08/02/17 12:08	59-50-7	
4-Chloroaniline	<1.1	ug/L	3.8	1.1	1	08/01/17 08:10	08/02/17 12:08	106-47-8	
4-Chlorophenylphenyl ether	<0.85	ug/L	2.8	0.85	1	08/01/17 08:10	08/02/17 12:08	7005-72-3	
4-Nitroaniline	<1.9	ug/L	6.4	1.9	1	08/01/17 08:10	08/02/17 12:08	100-01-6	
4-Nitrophenol	<1.1	ug/L	3.6	1.1	1	08/01/17 08:10	08/02/17 12:08	100-02-7	
Acenaphthene	<1.4	ug/L	4.7	1.4	1	08/01/17 08:10	08/02/17 12:08	83-32-9	
Acenaphthylene	<1.1	ug/L	3.7	1.1	1	08/01/17 08:10	08/02/17 12:08	208-96-8	
Anthracene	<1.9	ug/L	6.3	1.9	1	08/01/17 08:10	08/02/17 12:08	120-12-7	
Benzo(a)anthracene	0.63J	ug/L	1.9	0.56	1	08/01/17 08:10	08/02/17 12:08	56-55-3	
Benzo(a)pyrene	<2.0	ug/L	6.5	2.0	1	08/01/17 08:10	08/02/17 12:08	50-32-8	
Benzo(b)fluoranthene	0.74J	ug/L	2.3	0.68	1	08/01/17 08:10	08/02/17 12:08	205-99-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-27-S **Lab ID: 40154013004** Collected: 07/26/17 16:00 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.84	ug/L	2.8	0.84	1	08/01/17 08:10	08/02/17 12:08	191-24-2	
Benzo(k)fluoranthene	<1.0	ug/L	3.5	1.0	1	08/01/17 08:10	08/02/17 12:08	207-08-9	
Butylbenzylphthalate	<0.81	ug/L	2.7	0.81	1	08/01/17 08:10	08/02/17 12:08	85-68-7	
Carbazole	<0.78	ug/L	2.6	0.78	1	08/01/17 08:10	08/02/17 12:08	86-74-8	
Chrysene	<1.8	ug/L	6.0	1.8	1	08/01/17 08:10	08/02/17 12:08	218-01-9	
Di-n-butylphthalate	<2.7	ug/L	8.9	2.7	1	08/01/17 08:10	08/02/17 12:08	84-74-2	
Di-n-octylphthalate	<2.0	ug/L	6.6	2.0	1	08/01/17 08:10	08/02/17 12:08	117-84-0	
Dibenz(a,h)anthracene	<1.4	ug/L	4.6	1.4	1	08/01/17 08:10	08/02/17 12:08	53-70-3	
Dibenzofuran	<0.80	ug/L	2.7	0.80	1	08/01/17 08:10	08/02/17 12:08	132-64-9	
Diethylphthalate	<1.1	ug/L	3.8	1.1	1	08/01/17 08:10	08/02/17 12:08	84-66-2	
Dimethylphthalate	<2.0	ug/L	6.7	2.0	1	08/01/17 08:10	08/02/17 12:08	131-11-3	
Fluoranthene	0.95J	ug/L	2.0	0.59	1	08/01/17 08:10	08/02/17 12:08	206-44-0	
Fluorene	<0.78	ug/L	2.6	0.78	1	08/01/17 08:10	08/02/17 12:08	86-73-7	
Hexachloro-1,3-butadiene	<2.6	ug/L	8.5	2.6	1	08/01/17 08:10	08/02/17 12:08	87-68-3	
Hexachlorobenzene	<1.8	ug/L	5.9	1.8	1	08/01/17 08:10	08/02/17 12:08	118-74-1	
Hexachlorocyclopentadiene	<0.71	ug/L	2.4	0.71	1	08/01/17 08:10	08/02/17 12:08	77-47-4	
Hexachloroethane	<2.8	ug/L	9.2	2.8	1	08/01/17 08:10	08/02/17 12:08	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.6	ug/L	5.2	1.6	1	08/01/17 08:10	08/02/17 12:08	193-39-5	
Isophorone	<0.77	ug/L	2.6	0.77	1	08/01/17 08:10	08/02/17 12:08	78-59-1	
N-Nitroso-di-n-propylamine	<1.0	ug/L	3.4	1.0	1	08/01/17 08:10	08/02/17 12:08	621-64-7	
N-Nitrosodiphenylamine	<3.7	ug/L	12.2	3.7	1	08/01/17 08:10	08/02/17 12:08	86-30-6	
Naphthalene	<2.0	ug/L	6.6	2.0	1	08/01/17 08:10	08/02/17 12:08	91-20-3	
Nitrobenzene	<1.5	ug/L	5.0	1.5	1	08/01/17 08:10	08/02/17 12:08	98-95-3	
Pentachlorophenol	<1.5	ug/L	5.0	1.5	1	08/01/17 08:10	08/02/17 12:08	87-86-5	
Phenanthrene	<1.9	ug/L	6.3	1.9	1	08/01/17 08:10	08/02/17 12:08	85-01-8	
Phenol	<0.62	ug/L	2.1	0.62	1	08/01/17 08:10	08/02/17 12:08	108-95-2	
Pyrene	<1.4	ug/L	4.7	1.4	1	08/01/17 08:10	08/02/17 12:08	129-00-0	
bis(2-Chloroethoxy)methane	<1.0	ug/L	3.5	1.0	1	08/01/17 08:10	08/02/17 12:08	111-91-1	
bis(2-Chloroethyl) ether	<1.6	ug/L	5.5	1.6	1	08/01/17 08:10	08/02/17 12:08	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.72	ug/L	2.4	0.72	1	08/01/17 08:10	08/02/17 12:08	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	80	%	53-100		1	08/01/17 08:10	08/02/17 12:08	4165-60-0	
2-Fluorobiphenyl (S)	66	%	59-109		1	08/01/17 08:10	08/02/17 12:08	321-60-8	
Terphenyl-d14 (S)	99	%	59-108		1	08/01/17 08:10	08/02/17 12:08	1718-51-0	
Phenol-d6 (S)	30	%	18-120		1	08/01/17 08:10	08/02/17 12:08	13127-88-3	
2-Fluorophenol (S)	52	%	27-67		1	08/01/17 08:10	08/02/17 12:08	367-12-4	
2,4,6-Tribromophenol (S)	97	%	65-140		1	08/01/17 08:10	08/02/17 12:08	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/31/17 20:50	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/31/17 20:50	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/31/17 20:50	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	104-51-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-27-S **Lab ID: 40154013004** Collected: 07/26/17 16:00 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/31/17 20:50	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/31/17 20:50	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/31/17 20:50	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/31/17 20:50	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/31/17 20:50	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/31/17 20:50	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/31/17 20:50	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/31/17 20:50	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/31/17 20:50	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/31/17 20:50	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/31/17 20:50	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/31/17 20:50	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/31/17 20:50	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/31/17 20:50	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/31/17 20:50	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/31/17 20:50	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/31/17 20:50	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/31/17 20:50	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/31/17 20:50	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/31/17 20:50	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/31/17 20:50	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/31/17 20:50	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/31/17 20:50	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/31/17 20:50	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/31/17 20:50	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/31/17 20:50	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/31/17 20:50	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/31/17 20:50	79-00-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-27-S **Lab ID: 40154013004** Collected: 07/26/17 16:00 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/31/17 20:50	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/31/17 20:50	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/31/17 20:50	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/31/17 20:50	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	61-130		1		07/31/17 20:50	460-00-4	
Dibromofluoromethane (S)	110	%	67-130		1		07/31/17 20:50	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		07/31/17 20:50	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-32-S **Lab ID: 40154013005** Collected: 07/26/17 15:20 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	<8.3	ug/L	25.0	8.3	1	08/01/17 11:54	08/02/17 14:00	7440-38-2	
Barium	300	ug/L	5.0	1.5	1	08/01/17 11:54	08/02/17 14:00	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/01/17 11:54	08/02/17 14:00	7440-43-9	
Chromium	67.2	ug/L	10.0	2.5	1	08/01/17 11:54	08/02/17 14:00	7440-47-3	
Lead	30.7	ug/L	13.0	4.3	1	08/01/17 11:54	08/02/17 14:00	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/01/17 11:54	08/02/17 14:00	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/01/17 11:54	08/02/17 14:00	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.13	ug/L	0.42	0.13	1	08/03/17 13:00	08/04/17 09:22	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,2,4-Trichlorobenzene	<2.2	ug/L	7.2	2.2	1	08/01/17 08:10	08/02/17 12:29	120-82-1	
1,2-Dichlorobenzene	<2.1	ug/L	6.8	2.1	1	08/01/17 08:10	08/02/17 12:29	95-50-1	
1,3-Dichlorobenzene	<2.0	ug/L	6.7	2.0	1	08/01/17 08:10	08/02/17 12:29	541-73-1	
1,4-Dichlorobenzene	<2.0	ug/L	6.7	2.0	1	08/01/17 08:10	08/02/17 12:29	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.6	ug/L	5.4	1.6	1	08/01/17 08:10	08/02/17 12:29	108-60-1	
2,4,5-Trichlorophenol	<0.90	ug/L	3.0	0.90	1	08/01/17 08:10	08/02/17 12:29	95-95-4	
2,4,6-Trichlorophenol	<2.2	ug/L	7.5	2.2	1	08/01/17 08:10	08/02/17 12:29	88-06-2	
2,4-Dichlorophenol	<1.5	ug/L	4.8	1.5	1	08/01/17 08:10	08/02/17 12:29	120-83-2	
2,4-Dimethylphenol	<1.3	ug/L	4.5	1.3	1	08/01/17 08:10	08/02/17 12:29	105-67-9	
2,4-Dinitrophenol	<0.76	ug/L	2.5	0.76	1	08/01/17 08:10	08/02/17 12:29	51-28-5	
2,4-Dinitrotoluene	<0.84	ug/L	2.8	0.84	1	08/01/17 08:10	08/02/17 12:29	121-14-2	
2,6-Dinitrotoluene	<0.64	ug/L	2.1	0.64	1	08/01/17 08:10	08/02/17 12:29	606-20-2	
2-Chloronaphthalene	<1.8	ug/L	5.8	1.8	1	08/01/17 08:10	08/02/17 12:29	91-58-7	
2-Chlorophenol	<1.2	ug/L	4.1	1.2	1	08/01/17 08:10	08/02/17 12:29	95-57-8	
2-Methylnaphthalene	<1.6	ug/L	5.4	1.6	1	08/01/17 08:10	08/02/17 12:29	91-57-6	
2-Methylphenol(o-Cresol)	<0.92	ug/L	3.1	0.92	1	08/01/17 08:10	08/02/17 12:29	95-48-7	
2-Nitroaniline	<0.82	ug/L	2.7	0.82	1	08/01/17 08:10	08/02/17 12:29	88-74-4	
2-Nitrophenol	<1.2	ug/L	4.1	1.2	1	08/01/17 08:10	08/02/17 12:29	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.7	ug/L	5.5	1.7	1	08/01/17 08:10	08/02/17 12:29		
3,3'-Dichlorobenzidine	<0.96	ug/L	3.2	0.96	1	08/01/17 08:10	08/02/17 12:29	91-94-1	
3-Nitroaniline	<1.0	ug/L	3.4	1.0	1	08/01/17 08:10	08/02/17 12:29	99-09-2	
4,6-Dinitro-2-methylphenol	<0.70	ug/L	2.3	0.70	1	08/01/17 08:10	08/02/17 12:29	534-52-1	
4-Bromophenylphenyl ether	<2.1	ug/L	7.0	2.1	1	08/01/17 08:10	08/02/17 12:29	101-55-3	
4-Chloro-3-methylphenol	<1.8	ug/L	6.0	1.8	1	08/01/17 08:10	08/02/17 12:29	59-50-7	
4-Chloroaniline	<1.2	ug/L	3.9	1.2	1	08/01/17 08:10	08/02/17 12:29	106-47-8	
4-Chlorophenylphenyl ether	<0.87	ug/L	2.9	0.87	1	08/01/17 08:10	08/02/17 12:29	7005-72-3	
4-Nitroaniline	<1.9	ug/L	6.5	1.9	1	08/01/17 08:10	08/02/17 12:29	100-01-6	
4-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/01/17 08:10	08/02/17 12:29	100-02-7	
Acenaphthene	<1.4	ug/L	4.7	1.4	1	08/01/17 08:10	08/02/17 12:29	83-32-9	
Acenaphthylene	<1.1	ug/L	3.8	1.1	1	08/01/17 08:10	08/02/17 12:29	208-96-8	
Anthracene	<1.9	ug/L	6.4	1.9	1	08/01/17 08:10	08/02/17 12:29	120-12-7	
Benzo(a)anthracene	<0.57	ug/L	1.9	0.57	1	08/01/17 08:10	08/02/17 12:29	56-55-3	
Benzo(a)pyrene	<2.0	ug/L	6.7	2.0	1	08/01/17 08:10	08/02/17 12:29	50-32-8	
Benzo(b)fluoranthene	<0.70	ug/L	2.3	0.70	1	08/01/17 08:10	08/02/17 12:29	205-99-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-32-S **Lab ID: 40154013005** Collected: 07/26/17 15:20 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.86	ug/L	2.9	0.86	1	08/01/17 08:10	08/02/17 12:29	191-24-2	
Benzo(k)fluoranthene	<1.1	ug/L	3.6	1.1	1	08/01/17 08:10	08/02/17 12:29	207-08-9	
Butylbenzylphthalate	<0.82	ug/L	2.7	0.82	1	08/01/17 08:10	08/02/17 12:29	85-68-7	
Carbazole	<0.80	ug/L	2.7	0.80	1	08/01/17 08:10	08/02/17 12:29	86-74-8	
Chrysene	<1.9	ug/L	6.2	1.9	1	08/01/17 08:10	08/02/17 12:29	218-01-9	
Di-n-butylphthalate	<2.7	ug/L	9.1	2.7	1	08/01/17 08:10	08/02/17 12:29	84-74-2	
Di-n-octylphthalate	<2.0	ug/L	6.7	2.0	1	08/01/17 08:10	08/02/17 12:29	117-84-0	
Dibenz(a,h)anthracene	<1.4	ug/L	4.7	1.4	1	08/01/17 08:10	08/02/17 12:29	53-70-3	
Dibenzofuran	<0.82	ug/L	2.7	0.82	1	08/01/17 08:10	08/02/17 12:29	132-64-9	
Diethylphthalate	<1.2	ug/L	3.8	1.2	1	08/01/17 08:10	08/02/17 12:29	84-66-2	
Dimethylphthalate	<2.1	ug/L	6.8	2.1	1	08/01/17 08:10	08/02/17 12:29	131-11-3	
Fluoranthene	<0.60	ug/L	2.0	0.60	1	08/01/17 08:10	08/02/17 12:29	206-44-0	
Fluorene	<0.80	ug/L	2.7	0.80	1	08/01/17 08:10	08/02/17 12:29	86-73-7	
Hexachloro-1,3-butadiene	<2.6	ug/L	8.7	2.6	1	08/01/17 08:10	08/02/17 12:29	87-68-3	
Hexachlorobenzene	<1.8	ug/L	6.0	1.8	1	08/01/17 08:10	08/02/17 12:29	118-74-1	
Hexachlorocyclopentadiene	<0.72	ug/L	2.4	0.72	1	08/01/17 08:10	08/02/17 12:29	77-47-4	
Hexachloroethane	<2.8	ug/L	9.4	2.8	1	08/01/17 08:10	08/02/17 12:29	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.6	ug/L	5.3	1.6	1	08/01/17 08:10	08/02/17 12:29	193-39-5	
Isophorone	<0.78	ug/L	2.6	0.78	1	08/01/17 08:10	08/02/17 12:29	78-59-1	
N-Nitroso-di-n-propylamine	<1.0	ug/L	3.4	1.0	1	08/01/17 08:10	08/02/17 12:29	621-64-7	
N-Nitrosodiphenylamine	<3.8	ug/L	12.5	3.8	1	08/01/17 08:10	08/02/17 12:29	86-30-6	
Naphthalene	<2.0	ug/L	6.7	2.0	1	08/01/17 08:10	08/02/17 12:29	91-20-3	
Nitrobenzene	<1.5	ug/L	5.1	1.5	1	08/01/17 08:10	08/02/17 12:29	98-95-3	
Pentachlorophenol	<1.5	ug/L	5.1	1.5	1	08/01/17 08:10	08/02/17 12:29	87-86-5	
Phenanthrene	<1.9	ug/L	6.5	1.9	1	08/01/17 08:10	08/02/17 12:29	85-01-8	
Phenol	<0.64	ug/L	2.1	0.64	1	08/01/17 08:10	08/02/17 12:29	108-95-2	
Pyrene	<1.4	ug/L	4.8	1.4	1	08/01/17 08:10	08/02/17 12:29	129-00-0	
bis(2-Chloroethoxy)methane	<1.1	ug/L	3.5	1.1	1	08/01/17 08:10	08/02/17 12:29	111-91-1	
bis(2-Chloroethyl) ether	<1.7	ug/L	5.6	1.7	1	08/01/17 08:10	08/02/17 12:29	111-44-4	
bis(2-Ethylhexyl)phthalate	1.3J	ug/L	2.5	0.74	1	08/01/17 08:10	08/02/17 12:29	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	91	%	53-100		1	08/01/17 08:10	08/02/17 12:29	4165-60-0	
2-Fluorobiphenyl (S)	72	%	59-109		1	08/01/17 08:10	08/02/17 12:29	321-60-8	
Terphenyl-d14 (S)	102	%	59-108		1	08/01/17 08:10	08/02/17 12:29	1718-51-0	
Phenol-d6 (S)	32	%	18-120		1	08/01/17 08:10	08/02/17 12:29	13127-88-3	
2-Fluorophenol (S)	61	%	27-67		1	08/01/17 08:10	08/02/17 12:29	367-12-4	
2,4,6-Tribromophenol (S)	101	%	65-140		1	08/01/17 08:10	08/02/17 12:29	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/31/17 23:48	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/31/17 23:48	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/31/17 23:48	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	104-51-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-32-S **Lab ID: 40154013005** Collected: 07/26/17 15:20 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/31/17 23:48	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/31/17 23:48	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/31/17 23:48	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/31/17 23:48	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/31/17 23:48	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/31/17 23:48	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/31/17 23:48	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/31/17 23:48	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/31/17 23:48	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/31/17 23:48	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/31/17 23:48	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/31/17 23:48	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/31/17 23:48	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/31/17 23:48	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/31/17 23:48	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/31/17 23:48	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/31/17 23:48	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/31/17 23:48	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/31/17 23:48	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/31/17 23:48	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/31/17 23:48	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/31/17 23:48	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/31/17 23:48	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/31/17 23:48	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/31/17 23:48	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/31/17 23:48	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/31/17 23:48	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/31/17 23:48	79-00-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-32-S **Lab ID: 40154013005** Collected: 07/26/17 15:20 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/31/17 23:48	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/31/17 23:48	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/31/17 23:48	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/31/17 23:48	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/31/17 23:48	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	61-130		1		07/31/17 23:48	460-00-4	
Dibromofluoromethane (S)	110	%	67-130		1		07/31/17 23:48	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		07/31/17 23:48	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-26-S **Lab ID: 40154013006** Collected: 07/26/17 13:50 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	49.9	ug/L	25.0	8.3	1	08/01/17 11:54	08/02/17 14:02	7440-38-2	
Barium	1290	ug/L	5.0	1.5	1	08/01/17 11:54	08/02/17 14:02	7440-39-3	
Cadmium	21.8	ug/L	5.0	1.3	1	08/01/17 11:54	08/02/17 14:02	7440-43-9	
Chromium	117	ug/L	10.0	2.5	1	08/01/17 11:54	08/02/17 14:02	7440-47-3	
Lead	1390	ug/L	13.0	4.3	1	08/01/17 11:54	08/02/17 14:02	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/01/17 11:54	08/02/17 14:02	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/01/17 11:54	08/02/17 14:02	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	2.1	ug/L	0.42	0.13	1	08/03/17 13:00	08/04/17 09:25	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,2,4-Trichlorobenzene	<2.1	ug/L	7.1	2.1	1	08/01/17 08:10	08/02/17 12:51	120-82-1	
1,2-Dichlorobenzene	<2.0	ug/L	6.8	2.0	1	08/01/17 08:10	08/02/17 12:51	95-50-1	
1,3-Dichlorobenzene	<2.0	ug/L	6.6	2.0	1	08/01/17 08:10	08/02/17 12:51	541-73-1	
1,4-Dichlorobenzene	<2.0	ug/L	6.6	2.0	1	08/01/17 08:10	08/02/17 12:51	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.6	ug/L	5.4	1.6	1	08/01/17 08:10	08/02/17 12:51	108-60-1	
2,4,5-Trichlorophenol	<0.89	ug/L	3.0	0.89	1	08/01/17 08:10	08/02/17 12:51	95-95-4	
2,4,6-Trichlorophenol	<2.2	ug/L	7.4	2.2	1	08/01/17 08:10	08/02/17 12:51	88-06-2	
2,4-Dichlorophenol	<1.4	ug/L	4.8	1.4	1	08/01/17 08:10	08/02/17 12:51	120-83-2	
2,4-Dimethylphenol	<1.3	ug/L	4.4	1.3	1	08/01/17 08:10	08/02/17 12:51	105-67-9	
2,4-Dinitrophenol	<0.75	ug/L	2.5	0.75	1	08/01/17 08:10	08/02/17 12:51	51-28-5	
2,4-Dinitrotoluene	<0.83	ug/L	2.8	0.83	1	08/01/17 08:10	08/02/17 12:51	121-14-2	
2,6-Dinitrotoluene	<0.63	ug/L	2.1	0.63	1	08/01/17 08:10	08/02/17 12:51	606-20-2	
2-Chloronaphthalene	<1.7	ug/L	5.8	1.7	1	08/01/17 08:10	08/02/17 12:51	91-58-7	
2-Chlorophenol	<1.2	ug/L	4.1	1.2	1	08/01/17 08:10	08/02/17 12:51	95-57-8	
2-Methylnaphthalene	<1.6	ug/L	5.3	1.6	1	08/01/17 08:10	08/02/17 12:51	91-57-6	
2-Methylphenol(o-Cresol)	<0.91	ug/L	3.0	0.91	1	08/01/17 08:10	08/02/17 12:51	95-48-7	
2-Nitroaniline	<0.81	ug/L	2.7	0.81	1	08/01/17 08:10	08/02/17 12:51	88-74-4	
2-Nitrophenol	<1.2	ug/L	4.1	1.2	1	08/01/17 08:10	08/02/17 12:51	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.6	ug/L	5.5	1.6	1	08/01/17 08:10	08/02/17 12:51		
3,3'-Dichlorobenzidine	<0.95	ug/L	3.2	0.95	1	08/01/17 08:10	08/02/17 12:51	91-94-1	
3-Nitroaniline	<1.0	ug/L	3.4	1.0	1	08/01/17 08:10	08/02/17 12:51	99-09-2	
4,6-Dinitro-2-methylphenol	<0.69	ug/L	2.3	0.69	1	08/01/17 08:10	08/02/17 12:51	534-52-1	
4-Bromophenylphenyl ether	<2.1	ug/L	6.9	2.1	1	08/01/17 08:10	08/02/17 12:51	101-55-3	
4-Chloro-3-methylphenol	<1.8	ug/L	5.9	1.8	1	08/01/17 08:10	08/02/17 12:51	59-50-7	
4-Chloroaniline	<1.2	ug/L	3.8	1.2	1	08/01/17 08:10	08/02/17 12:51	106-47-8	
4-Chlorophenylphenyl ether	<0.86	ug/L	2.9	0.86	1	08/01/17 08:10	08/02/17 12:51	7005-72-3	
4-Nitroaniline	<1.9	ug/L	6.4	1.9	1	08/01/17 08:10	08/02/17 12:51	100-01-6	
4-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/01/17 08:10	08/02/17 12:51	100-02-7	
Acenaphthene	<1.4	ug/L	4.7	1.4	1	08/01/17 08:10	08/02/17 12:51	83-32-9	
Acenaphthylene	<1.1	ug/L	3.7	1.1	1	08/01/17 08:10	08/02/17 12:51	208-96-8	
Anthracene	<1.9	ug/L	6.3	1.9	1	08/01/17 08:10	08/02/17 12:51	120-12-7	
Benzo(a)anthracene	0.62J	ug/L	1.9	0.56	1	08/01/17 08:10	08/02/17 12:51	56-55-3	
Benzo(a)pyrene	<2.0	ug/L	6.6	2.0	1	08/01/17 08:10	08/02/17 12:51	50-32-8	
Benzo(b)fluoranthene	0.76J	ug/L	2.3	0.69	1	08/01/17 08:10	08/02/17 12:51	205-99-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-26-S **Lab ID: 40154013006** Collected: 07/26/17 13:50 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.85	ug/L	2.8	0.85	1	08/01/17 08:10	08/02/17 12:51	191-24-2	
Benzo(k)fluoranthene	<1.1	ug/L	3.5	1.1	1	08/01/17 08:10	08/02/17 12:51	207-08-9	
Butylbenzylphthalate	<0.81	ug/L	2.7	0.81	1	08/01/17 08:10	08/02/17 12:51	85-68-7	
Carbazole	<0.79	ug/L	2.6	0.79	1	08/01/17 08:10	08/02/17 12:51	86-74-8	
Chrysene	<1.8	ug/L	6.1	1.8	1	08/01/17 08:10	08/02/17 12:51	218-01-9	
Di-n-butylphthalate	<2.7	ug/L	9.0	2.7	1	08/01/17 08:10	08/02/17 12:51	84-74-2	
Di-n-octylphthalate	<2.0	ug/L	6.6	2.0	1	08/01/17 08:10	08/02/17 12:51	117-84-0	
Dibenz(a,h)anthracene	<1.4	ug/L	4.6	1.4	1	08/01/17 08:10	08/02/17 12:51	53-70-3	
Dibenzofuran	<0.81	ug/L	2.7	0.81	1	08/01/17 08:10	08/02/17 12:51	132-64-9	
Diethylphthalate	<1.1	ug/L	3.8	1.1	1	08/01/17 08:10	08/02/17 12:51	84-66-2	
Dimethylphthalate	<2.0	ug/L	6.8	2.0	1	08/01/17 08:10	08/02/17 12:51	131-11-3	
Fluoranthene	0.93J	ug/L	2.0	0.59	1	08/01/17 08:10	08/02/17 12:51	206-44-0	
Fluorene	<0.79	ug/L	2.6	0.79	1	08/01/17 08:10	08/02/17 12:51	86-73-7	
Hexachloro-1,3-butadiene	<2.6	ug/L	8.6	2.6	1	08/01/17 08:10	08/02/17 12:51	87-68-3	
Hexachlorobenzene	<1.8	ug/L	5.9	1.8	1	08/01/17 08:10	08/02/17 12:51	118-74-1	
Hexachlorocyclopentadiene	<0.71	ug/L	2.4	0.71	1	08/01/17 08:10	08/02/17 12:51	77-47-4	
Hexachloroethane	<2.8	ug/L	9.3	2.8	1	08/01/17 08:10	08/02/17 12:51	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.6	ug/L	5.3	1.6	1	08/01/17 08:10	08/02/17 12:51	193-39-5	
Isophorone	<0.77	ug/L	2.6	0.77	1	08/01/17 08:10	08/02/17 12:51	78-59-1	
N-Nitroso-di-n-propylamine	<1.0	ug/L	3.4	1.0	1	08/01/17 08:10	08/02/17 12:51	621-64-7	
N-Nitrosodiphenylamine	<3.7	ug/L	12.4	3.7	1	08/01/17 08:10	08/02/17 12:51	86-30-6	
Naphthalene	<2.0	ug/L	6.7	2.0	1	08/01/17 08:10	08/02/17 12:51	91-20-3	
Nitrobenzene	<1.5	ug/L	5.1	1.5	1	08/01/17 08:10	08/02/17 12:51	98-95-3	
Pentachlorophenol	<1.5	ug/L	5.0	1.5	1	08/01/17 08:10	08/02/17 12:51	87-86-5	
Phenanthrene	<1.9	ug/L	6.4	1.9	1	08/01/17 08:10	08/02/17 12:51	85-01-8	
Phenol	<0.63	ug/L	2.1	0.63	1	08/01/17 08:10	08/02/17 12:51	108-95-2	
Pyrene	<1.4	ug/L	4.7	1.4	1	08/01/17 08:10	08/02/17 12:51	129-00-0	
bis(2-Chloroethoxy)methane	<1.0	ug/L	3.5	1.0	1	08/01/17 08:10	08/02/17 12:51	111-91-1	
bis(2-Chloroethyl) ether	<1.7	ug/L	5.5	1.7	1	08/01/17 08:10	08/02/17 12:51	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.73	ug/L	2.4	0.73	1	08/01/17 08:10	08/02/17 12:51	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	75	%	53-100		1	08/01/17 08:10	08/02/17 12:51	4165-60-0	
2-Fluorobiphenyl (S)	77	%	59-109		1	08/01/17 08:10	08/02/17 12:51	321-60-8	
Terphenyl-d14 (S)	98	%	59-108		1	08/01/17 08:10	08/02/17 12:51	1718-51-0	
Phenol-d6 (S)	28	%	18-120		1	08/01/17 08:10	08/02/17 12:51	13127-88-3	
2-Fluorophenol (S)	51	%	27-67		1	08/01/17 08:10	08/02/17 12:51	367-12-4	
2,4,6-Tribromophenol (S)	89	%	65-140		1	08/01/17 08:10	08/02/17 12:51	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/01/17 00:10	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/01/17 00:10	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/01/17 00:10	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	104-51-8	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-26-S **Lab ID: 40154013006** Collected: 07/26/17 13:50 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/01/17 00:10	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/01/17 00:10	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/01/17 00:10	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/01/17 00:10	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/01/17 00:10	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/01/17 00:10	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/01/17 00:10	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/01/17 00:10	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/01/17 00:10	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/01/17 00:10	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/01/17 00:10	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/01/17 00:10	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/01/17 00:10	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/01/17 00:10	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/01/17 00:10	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/01/17 00:10	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/01/17 00:10	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/01/17 00:10	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/01/17 00:10	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/01/17 00:10	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/01/17 00:10	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/01/17 00:10	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/01/17 00:10	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/01/17 00:10	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/01/17 00:10	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/01/17 00:10	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/01/17 00:10	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/01/17 00:10	79-00-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-26-S **Lab ID: 40154013006** Collected: 07/26/17 13:50 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/01/17 00:10	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/01/17 00:10	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/01/17 00:10	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/01/17 00:10	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		08/01/17 00:10	460-00-4	
Dibromofluoromethane (S)	110	%	67-130		1		08/01/17 00:10	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		08/01/17 00:10	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-31-S **Lab ID: 40154013007** Collected: 07/26/17 14:30 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	155	ug/L	25.0	8.3	1	08/01/17 11:54	08/02/17 14:05	7440-38-2	
Barium	1360	ug/L	5.0	1.5	1	08/01/17 11:54	08/02/17 14:05	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/01/17 11:54	08/02/17 14:05	7440-43-9	
Chromium	229	ug/L	10.0	2.5	1	08/01/17 11:54	08/02/17 14:05	7440-47-3	
Lead	89.2	ug/L	13.0	4.3	1	08/01/17 11:54	08/02/17 14:05	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/01/17 11:54	08/02/17 14:05	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/01/17 11:54	08/02/17 14:05	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.18J	ug/L	0.42	0.13	1	08/03/17 13:00	08/04/17 09:27	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,2,4-Trichlorobenzene	<2.2	ug/L	7.2	2.2	1	08/01/17 08:10	08/03/17 14:15	120-82-1	
1,2-Dichlorobenzene	<2.1	ug/L	6.8	2.1	1	08/01/17 08:10	08/03/17 14:15	95-50-1	
1,3-Dichlorobenzene	<2.0	ug/L	6.7	2.0	1	08/01/17 08:10	08/03/17 14:15	541-73-1	
1,4-Dichlorobenzene	<2.0	ug/L	6.7	2.0	1	08/01/17 08:10	08/03/17 14:15	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.6	ug/L	5.4	1.6	1	08/01/17 08:10	08/03/17 14:15	108-60-1	
2,4,5-Trichlorophenol	<0.90	ug/L	3.0	0.90	1	08/01/17 08:10	08/03/17 14:15	95-95-4	
2,4,6-Trichlorophenol	<2.2	ug/L	7.5	2.2	1	08/01/17 08:10	08/03/17 14:15	88-06-2	
2,4-Dichlorophenol	<1.5	ug/L	4.8	1.5	1	08/01/17 08:10	08/03/17 14:15	120-83-2	
2,4-Dimethylphenol	<1.3	ug/L	4.5	1.3	1	08/01/17 08:10	08/03/17 14:15	105-67-9	
2,4-Dinitrophenol	<0.76	ug/L	2.5	0.76	1	08/01/17 08:10	08/03/17 14:15	51-28-5	
2,4-Dinitrotoluene	<0.84	ug/L	2.8	0.84	1	08/01/17 08:10	08/03/17 14:15	121-14-2	
2,6-Dinitrotoluene	<0.64	ug/L	2.1	0.64	1	08/01/17 08:10	08/03/17 14:15	606-20-2	
2-Chloronaphthalene	<1.8	ug/L	5.8	1.8	1	08/01/17 08:10	08/03/17 14:15	91-58-7	
2-Chlorophenol	<1.2	ug/L	4.1	1.2	1	08/01/17 08:10	08/03/17 14:15	95-57-8	
2-Methylnaphthalene	<1.6	ug/L	5.4	1.6	1	08/01/17 08:10	08/03/17 14:15	91-57-6	
2-Methylphenol(o-Cresol)	<0.92	ug/L	3.1	0.92	1	08/01/17 08:10	08/03/17 14:15	95-48-7	
2-Nitroaniline	<0.82	ug/L	2.7	0.82	1	08/01/17 08:10	08/03/17 14:15	88-74-4	
2-Nitrophenol	<1.2	ug/L	4.1	1.2	1	08/01/17 08:10	08/03/17 14:15	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.7	ug/L	5.5	1.7	1	08/01/17 08:10	08/03/17 14:15		
3,3'-Dichlorobenzidine	<0.96	ug/L	3.2	0.96	1	08/01/17 08:10	08/03/17 14:15	91-94-1	
3-Nitroaniline	<1.0	ug/L	3.4	1.0	1	08/01/17 08:10	08/03/17 14:15	99-09-2	
4,6-Dinitro-2-methylphenol	<0.70	ug/L	2.3	0.70	1	08/01/17 08:10	08/03/17 14:15	534-52-1	
4-Bromophenylphenyl ether	<2.1	ug/L	7.0	2.1	1	08/01/17 08:10	08/03/17 14:15	101-55-3	
4-Chloro-3-methylphenol	<1.8	ug/L	6.0	1.8	1	08/01/17 08:10	08/03/17 14:15	59-50-7	
4-Chloroaniline	<1.2	ug/L	3.9	1.2	1	08/01/17 08:10	08/03/17 14:15	106-47-8	
4-Chlorophenylphenyl ether	<0.87	ug/L	2.9	0.87	1	08/01/17 08:10	08/03/17 14:15	7005-72-3	
4-Nitroaniline	<1.9	ug/L	6.5	1.9	1	08/01/17 08:10	08/03/17 14:15	100-01-6	
4-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/01/17 08:10	08/03/17 14:15	100-02-7	
Acenaphthene	<1.4	ug/L	4.7	1.4	1	08/01/17 08:10	08/03/17 14:15	83-32-9	
Acenaphthylene	<1.1	ug/L	3.8	1.1	1	08/01/17 08:10	08/03/17 14:15	208-96-8	
Anthracene	<1.9	ug/L	6.4	1.9	1	08/01/17 08:10	08/03/17 14:15	120-12-7	
Benzo(a)anthracene	<0.57	ug/L	1.9	0.57	1	08/01/17 08:10	08/03/17 14:15	56-55-3	
Benzo(a)pyrene	<2.0	ug/L	6.7	2.0	1	08/01/17 08:10	08/03/17 14:15	50-32-8	
Benzo(b)fluoranthene	<0.70	ug/L	2.3	0.70	1	08/01/17 08:10	08/03/17 14:15	205-99-2	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-31-S **Lab ID: 40154013007** Collected: 07/26/17 14:30 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.86	ug/L	2.9	0.86	1	08/01/17 08:10	08/03/17 14:15	191-24-2	
Benzo(k)fluoranthene	<1.1	ug/L	3.6	1.1	1	08/01/17 08:10	08/03/17 14:15	207-08-9	
Butylbenzylphthalate	<0.82	ug/L	2.7	0.82	1	08/01/17 08:10	08/03/17 14:15	85-68-7	
Carbazole	<0.80	ug/L	2.7	0.80	1	08/01/17 08:10	08/03/17 14:15	86-74-8	
Chrysene	<1.9	ug/L	6.2	1.9	1	08/01/17 08:10	08/03/17 14:15	218-01-9	
Di-n-butylphthalate	<2.7	ug/L	9.1	2.7	1	08/01/17 08:10	08/03/17 14:15	84-74-2	
Di-n-octylphthalate	<2.0	ug/L	6.7	2.0	1	08/01/17 08:10	08/03/17 14:15	117-84-0	
Dibenz(a,h)anthracene	<1.4	ug/L	4.7	1.4	1	08/01/17 08:10	08/03/17 14:15	53-70-3	
Dibenzofuran	<0.82	ug/L	2.7	0.82	1	08/01/17 08:10	08/03/17 14:15	132-64-9	
Diethylphthalate	<1.2	ug/L	3.8	1.2	1	08/01/17 08:10	08/03/17 14:15	84-66-2	
Dimethylphthalate	<2.1	ug/L	6.8	2.1	1	08/01/17 08:10	08/03/17 14:15	131-11-3	
Fluoranthene	<0.60	ug/L	2.0	0.60	1	08/01/17 08:10	08/03/17 14:15	206-44-0	
Fluorene	<0.80	ug/L	2.7	0.80	1	08/01/17 08:10	08/03/17 14:15	86-73-7	
Hexachloro-1,3-butadiene	<2.6	ug/L	8.7	2.6	1	08/01/17 08:10	08/03/17 14:15	87-68-3	
Hexachlorobenzene	<1.8	ug/L	6.0	1.8	1	08/01/17 08:10	08/03/17 14:15	118-74-1	
Hexachlorocyclopentadiene	<0.72	ug/L	2.4	0.72	1	08/01/17 08:10	08/03/17 14:15	77-47-4	
Hexachloroethane	<2.8	ug/L	9.4	2.8	1	08/01/17 08:10	08/03/17 14:15	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.6	ug/L	5.3	1.6	1	08/01/17 08:10	08/03/17 14:15	193-39-5	
Isophorone	<0.78	ug/L	2.6	0.78	1	08/01/17 08:10	08/03/17 14:15	78-59-1	
N-Nitroso-di-n-propylamine	<1.0	ug/L	3.4	1.0	1	08/01/17 08:10	08/03/17 14:15	621-64-7	
N-Nitrosodiphenylamine	<3.8	ug/L	12.5	3.8	1	08/01/17 08:10	08/03/17 14:15	86-30-6	
Naphthalene	<2.0	ug/L	6.7	2.0	1	08/01/17 08:10	08/03/17 14:15	91-20-3	
Nitrobenzene	<1.5	ug/L	5.1	1.5	1	08/01/17 08:10	08/03/17 14:15	98-95-3	
Pentachlorophenol	<1.5	ug/L	5.1	1.5	1	08/01/17 08:10	08/03/17 14:15	87-86-5	
Phenanthrene	<1.9	ug/L	6.5	1.9	1	08/01/17 08:10	08/03/17 14:15	85-01-8	
Phenol	<0.64	ug/L	2.1	0.64	1	08/01/17 08:10	08/03/17 14:15	108-95-2	
Pyrene	<1.4	ug/L	4.8	1.4	1	08/01/17 08:10	08/03/17 14:15	129-00-0	
bis(2-Chloroethoxy)methane	<1.1	ug/L	3.5	1.1	1	08/01/17 08:10	08/03/17 14:15	111-91-1	
bis(2-Chloroethyl) ether	<1.7	ug/L	5.6	1.7	1	08/01/17 08:10	08/03/17 14:15	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.74	ug/L	2.5	0.74	1	08/01/17 08:10	08/03/17 14:15	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	74	%	53-100		1	08/01/17 08:10	08/03/17 14:15	4165-60-0	
2-Fluorobiphenyl (S)	64	%	59-109		1	08/01/17 08:10	08/03/17 14:15	321-60-8	
Terphenyl-d14 (S)	76	%	59-108		1	08/01/17 08:10	08/03/17 14:15	1718-51-0	
Phenol-d6 (S)	32	%	18-120		1	08/01/17 08:10	08/03/17 14:15	13127-88-3	
2-Fluorophenol (S)	51	%	27-67		1	08/01/17 08:10	08/03/17 14:15	367-12-4	
2,4,6-Tribromophenol (S)	96	%	65-140		1	08/01/17 08:10	08/03/17 14:15	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/31/17 21:12	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/31/17 21:12	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/31/17 21:12	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	104-51-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-31-S **Lab ID: 40154013007** Collected: 07/26/17 14:30 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/31/17 21:12	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/31/17 21:12	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/31/17 21:12	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/31/17 21:12	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/31/17 21:12	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/31/17 21:12	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/31/17 21:12	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/31/17 21:12	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/31/17 21:12	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/31/17 21:12	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/31/17 21:12	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/31/17 21:12	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/31/17 21:12	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/31/17 21:12	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/31/17 21:12	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/31/17 21:12	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/31/17 21:12	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/31/17 21:12	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/31/17 21:12	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/31/17 21:12	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/31/17 21:12	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/31/17 21:12	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/31/17 21:12	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/31/17 21:12	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/31/17 21:12	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/31/17 21:12	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/31/17 21:12	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/31/17 21:12	79-00-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-31-S **Lab ID: 40154013007** Collected: 07/26/17 14:30 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/31/17 21:12	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/31/17 21:12	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/31/17 21:12	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/31/17 21:12	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/31/17 21:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	61-130		1		07/31/17 21:12	460-00-4	HS
Dibromofluoromethane (S)	114	%	67-130		1		07/31/17 21:12	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		07/31/17 21:12	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-27-D **Lab ID: 40154013008** Collected: 07/27/17 09:10 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	19.3J	ug/L	25.0	8.3	1	08/01/17 11:54	08/02/17 14:07	7440-38-2	
Barium	298	ug/L	5.0	1.5	1	08/01/17 11:54	08/02/17 14:07	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/01/17 11:54	08/02/17 14:07	7440-43-9	
Chromium	67.0	ug/L	10.0	2.5	1	08/01/17 11:54	08/02/17 14:07	7440-47-3	
Lead	117	ug/L	13.0	4.3	1	08/01/17 11:54	08/02/17 14:07	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/01/17 11:54	08/02/17 14:07	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/01/17 11:54	08/02/17 14:07	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.13	ug/L	0.42	0.13	1	08/03/17 13:00	08/04/17 09:29	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,2,4-Trichlorobenzene	<1.9	ug/L	6.5	1.9	1	08/03/17 08:01	08/03/17 15:40	120-82-1	
1,2-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/03/17 08:01	08/03/17 15:40	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 15:40	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 15:40	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	4.8	1.5	1	08/03/17 08:01	08/03/17 15:40	108-60-1	
2,4,5-Trichlorophenol	<0.80	ug/L	2.7	0.80	1	08/03/17 08:01	08/03/17 15:40	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.7	2.0	1	08/03/17 08:01	08/03/17 15:40	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/03/17 15:40	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.0	1.2	1	08/03/17 08:01	08/03/17 15:40	105-67-9	
2,4-Dinitrophenol	<0.68	ug/L	2.3	0.68	1	08/03/17 08:01	08/03/17 15:40	51-28-5	
2,4-Dinitrotoluene	<0.75	ug/L	2.5	0.75	1	08/03/17 08:01	08/03/17 15:40	121-14-2	
2,6-Dinitrotoluene	<0.57	ug/L	1.9	0.57	1	08/03/17 08:01	08/03/17 15:40	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.2	1.6	1	08/03/17 08:01	08/03/17 15:40	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.7	1.1	1	08/03/17 08:01	08/03/17 15:40	95-57-8	
2-Methylnaphthalene	<1.4	ug/L	4.8	1.4	1	08/03/17 08:01	08/03/17 15:40	91-57-6	
2-Methylphenol(o-Cresol)	<0.83	ug/L	2.8	0.83	1	08/03/17 08:01	08/03/17 15:40	95-48-7	
2-Nitroaniline	<0.74	ug/L	2.5	0.74	1	08/03/17 08:01	08/03/17 15:40	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/03/17 08:01	08/03/17 15:40	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.0	1.5	1	08/03/17 08:01	08/03/17 15:40		
3,3'-Dichlorobenzidine	<0.86	ug/L	2.9	0.86	1	08/03/17 08:01	08/03/17 15:40	91-94-1	
3-Nitroaniline	<0.92	ug/L	3.1	0.92	1	08/03/17 08:01	08/03/17 15:40	99-09-2	
4,6-Dinitro-2-methylphenol	<0.62	ug/L	2.1	0.62	1	08/03/17 08:01	08/03/17 15:40	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.3	1.9	1	08/03/17 08:01	08/03/17 15:40	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.4	1.6	1	08/03/17 08:01	08/03/17 15:40	59-50-7	
4-Chloroaniline	<1.0	ug/L	3.5	1.0	1	08/03/17 08:01	08/03/17 15:40	106-47-8	
4-Chlorophenylphenyl ether	<0.78	ug/L	2.6	0.78	1	08/03/17 08:01	08/03/17 15:40	7005-72-3	
4-Nitroaniline	<1.7	ug/L	5.8	1.7	1	08/03/17 08:01	08/03/17 15:40	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.3	1.0	1	08/03/17 08:01	08/03/17 15:40	100-02-7	
Acenaphthene	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/03/17 15:40	83-32-9	
Acenaphthylene	<1.0	ug/L	3.4	1.0	1	08/03/17 08:01	08/03/17 15:40	208-96-8	
Anthracene	<1.7	ug/L	5.7	1.7	1	08/03/17 08:01	08/03/17 15:40	120-12-7	
Benzo(a)anthracene	<0.51	ug/L	1.7	0.51	1	08/03/17 08:01	08/03/17 15:40	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 15:40	50-32-8	
Benzo(b)fluoranthene	<0.62	ug/L	2.1	0.62	1	08/03/17 08:01	08/03/17 15:40	205-99-2	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-27-D **Lab ID: 40154013008** Collected: 07/27/17 09:10 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.77	ug/L	2.6	0.77	1	08/03/17 08:01	08/03/17 15:40	191-24-2	
Benzo(k)fluoranthene	<0.95	ug/L	3.2	0.95	1	08/03/17 08:01	08/03/17 15:40	207-08-9	
Butylbenzylphthalate	<0.74	ug/L	2.5	0.74	1	08/03/17 08:01	08/03/17 15:40	85-68-7	
Carbazole	<0.71	ug/L	2.4	0.71	1	08/03/17 08:01	08/03/17 15:40	86-74-8	
Chrysene	<1.7	ug/L	5.5	1.7	1	08/03/17 08:01	08/03/17 15:40	218-01-9	
Di-n-butylphthalate	<2.4	ug/L	8.1	2.4	1	08/03/17 08:01	08/03/17 15:40	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 15:40	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.2	1.3	1	08/03/17 08:01	08/03/17 15:40	53-70-3	
Dibenzofuran	<0.73	ug/L	2.4	0.73	1	08/03/17 08:01	08/03/17 15:40	132-64-9	
Diethylphthalate	<1.0	ug/L	3.4	1.0	1	08/03/17 08:01	08/03/17 15:40	84-66-2	
Dimethylphthalate	<1.8	ug/L	6.1	1.8	1	08/03/17 08:01	08/03/17 15:40	131-11-3	
Fluoranthene	<0.54	ug/L	1.8	0.54	1	08/03/17 08:01	08/03/17 15:40	206-44-0	
Fluorene	<0.71	ug/L	2.4	0.71	1	08/03/17 08:01	08/03/17 15:40	86-73-7	
Hexachloro-1,3-butadiene	<2.3	ug/L	7.8	2.3	1	08/03/17 08:01	08/03/17 15:40	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.4	1.6	1	08/03/17 08:01	08/03/17 15:40	118-74-1	
Hexachlorocyclopentadiene	<0.65	ug/L	2.2	0.65	1	08/03/17 08:01	08/03/17 15:40	77-47-4	
Hexachloroethane	<2.5	ug/L	8.4	2.5	1	08/03/17 08:01	08/03/17 15:40	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.8	1.4	1	08/03/17 08:01	08/03/17 15:40	193-39-5	
Isophorone	<0.70	ug/L	2.3	0.70	1	08/03/17 08:01	08/03/17 15:40	78-59-1	
N-Nitroso-di-n-propylamine	<0.92	ug/L	3.1	0.92	1	08/03/17 08:01	08/03/17 15:40	621-64-7	
N-Nitrosodiphenylamine	<3.4	ug/L	11.2	3.4	1	08/03/17 08:01	08/03/17 15:40	86-30-6	
Naphthalene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 15:40	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/03/17 08:01	08/03/17 15:40	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.6	1.4	1	08/03/17 08:01	08/03/17 15:40	87-86-5	
Phenanthrene	<1.7	ug/L	5.8	1.7	1	08/03/17 08:01	08/03/17 15:40	85-01-8	
Phenol	<0.57	ug/L	1.9	0.57	1	08/03/17 08:01	08/03/17 15:40	108-95-2	
Pyrene	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/03/17 15:40	129-00-0	
bis(2-Chloroethoxy)methane	<0.95	ug/L	3.2	0.95	1	08/03/17 08:01	08/03/17 15:40	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.0	1.5	1	08/03/17 08:01	08/03/17 15:40	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.66	ug/L	2.2	0.66	1	08/03/17 08:01	08/03/17 15:40	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	77	%	53-100		1	08/03/17 08:01	08/03/17 15:40	4165-60-0	
2-Fluorobiphenyl (S)	74	%	59-109		1	08/03/17 08:01	08/03/17 15:40	321-60-8	
Terphenyl-d14 (S)	79	%	59-108		1	08/03/17 08:01	08/03/17 15:40	1718-51-0	
Phenol-d6 (S)	29	%	18-120		1	08/03/17 08:01	08/03/17 15:40	13127-88-3	
2-Fluorophenol (S)	40	%	27-67		1	08/03/17 08:01	08/03/17 15:40	367-12-4	
2,4,6-Tribromophenol (S)	70	%	65-140		1	08/03/17 08:01	08/03/17 15:40	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/01/17 00:32	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/01/17 00:32	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/01/17 00:32	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	104-51-8	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-27-D **Lab ID: 40154013008** Collected: 07/27/17 09:10 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/01/17 00:32	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/01/17 00:32	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/01/17 00:32	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/01/17 00:32	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/01/17 00:32	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/01/17 00:32	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/01/17 00:32	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/01/17 00:32	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/01/17 00:32	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/01/17 00:32	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/01/17 00:32	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/01/17 00:32	75-35-4	
cis-1,2-Dichloroethene	3.7	ug/L	1.0	0.26	1		08/01/17 00:32	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/01/17 00:32	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/01/17 00:32	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/01/17 00:32	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/01/17 00:32	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/01/17 00:32	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/01/17 00:32	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/01/17 00:32	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/01/17 00:32	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/01/17 00:32	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/01/17 00:32	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/01/17 00:32	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/01/17 00:32	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/01/17 00:32	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/01/17 00:32	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/01/17 00:32	79-00-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-27-D **Lab ID: 40154013008** Collected: 07/27/17 09:10 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/01/17 00:32	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/01/17 00:32	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/01/17 00:32	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/01/17 00:32	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	61-130		1		08/01/17 00:32	460-00-4	
Dibromofluoromethane (S)	111	%	67-130		1		08/01/17 00:32	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		08/01/17 00:32	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-53-S **Lab ID: 40154013009** Collected: 07/27/17 10:15 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	<8.3	ug/L	25.0	8.3	1	08/01/17 11:54	08/02/17 14:10	7440-38-2	
Barium	155	ug/L	5.0	1.5	1	08/01/17 11:54	08/02/17 14:10	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/01/17 11:54	08/02/17 14:10	7440-43-9	
Chromium	4.8J	ug/L	10.0	2.5	1	08/01/17 11:54	08/02/17 14:10	7440-47-3	
Lead	<4.3	ug/L	13.0	4.3	1	08/01/17 11:54	08/02/17 14:10	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/01/17 11:54	08/02/17 14:10	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/01/17 11:54	08/02/17 14:10	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.13	ug/L	0.42	0.13	1	08/03/17 13:00	08/04/17 09:32	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,2,4-Trichlorobenzene	<1.9	ug/L	6.5	1.9	1	08/03/17 08:01	08/03/17 16:01	120-82-1	
1,2-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/03/17 08:01	08/03/17 16:01	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 16:01	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 16:01	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	4.8	1.5	1	08/03/17 08:01	08/03/17 16:01	108-60-1	
2,4,5-Trichlorophenol	<0.80	ug/L	2.7	0.80	1	08/03/17 08:01	08/03/17 16:01	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.7	2.0	1	08/03/17 08:01	08/03/17 16:01	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/03/17 16:01	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.0	1.2	1	08/03/17 08:01	08/03/17 16:01	105-67-9	
2,4-Dinitrophenol	<0.68	ug/L	2.3	0.68	1	08/03/17 08:01	08/03/17 16:01	51-28-5	
2,4-Dinitrotoluene	<0.75	ug/L	2.5	0.75	1	08/03/17 08:01	08/03/17 16:01	121-14-2	
2,6-Dinitrotoluene	<0.57	ug/L	1.9	0.57	1	08/03/17 08:01	08/03/17 16:01	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.2	1.6	1	08/03/17 08:01	08/03/17 16:01	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.7	1.1	1	08/03/17 08:01	08/03/17 16:01	95-57-8	
2-Methylnaphthalene	<1.4	ug/L	4.8	1.4	1	08/03/17 08:01	08/03/17 16:01	91-57-6	
2-Methylphenol(o-Cresol)	<0.83	ug/L	2.8	0.83	1	08/03/17 08:01	08/03/17 16:01	95-48-7	
2-Nitroaniline	<0.74	ug/L	2.5	0.74	1	08/03/17 08:01	08/03/17 16:01	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/03/17 08:01	08/03/17 16:01	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.0	1.5	1	08/03/17 08:01	08/03/17 16:01		
3,3'-Dichlorobenzidine	<0.86	ug/L	2.9	0.86	1	08/03/17 08:01	08/03/17 16:01	91-94-1	
3-Nitroaniline	<0.92	ug/L	3.1	0.92	1	08/03/17 08:01	08/03/17 16:01	99-09-2	
4,6-Dinitro-2-methylphenol	<0.62	ug/L	2.1	0.62	1	08/03/17 08:01	08/03/17 16:01	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.3	1.9	1	08/03/17 08:01	08/03/17 16:01	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.4	1.6	1	08/03/17 08:01	08/03/17 16:01	59-50-7	
4-Chloroaniline	<1.0	ug/L	3.5	1.0	1	08/03/17 08:01	08/03/17 16:01	106-47-8	
4-Chlorophenylphenyl ether	<0.78	ug/L	2.6	0.78	1	08/03/17 08:01	08/03/17 16:01	7005-72-3	
4-Nitroaniline	<1.7	ug/L	5.8	1.7	1	08/03/17 08:01	08/03/17 16:01	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.3	1.0	1	08/03/17 08:01	08/03/17 16:01	100-02-7	
Acenaphthene	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/03/17 16:01	83-32-9	
Acenaphthylene	<1.0	ug/L	3.4	1.0	1	08/03/17 08:01	08/03/17 16:01	208-96-8	
Anthracene	<1.7	ug/L	5.7	1.7	1	08/03/17 08:01	08/03/17 16:01	120-12-7	
Benzo(a)anthracene	<0.51	ug/L	1.7	0.51	1	08/03/17 08:01	08/03/17 16:01	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 16:01	50-32-8	
Benzo(b)fluoranthene	<0.62	ug/L	2.1	0.62	1	08/03/17 08:01	08/03/17 16:01	205-99-2	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-53-S **Lab ID: 40154013009** Collected: 07/27/17 10:15 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.77	ug/L	2.6	0.77	1	08/03/17 08:01	08/03/17 16:01	191-24-2	
Benzo(k)fluoranthene	<0.95	ug/L	3.2	0.95	1	08/03/17 08:01	08/03/17 16:01	207-08-9	
Butylbenzylphthalate	<0.74	ug/L	2.5	0.74	1	08/03/17 08:01	08/03/17 16:01	85-68-7	
Carbazole	<0.71	ug/L	2.4	0.71	1	08/03/17 08:01	08/03/17 16:01	86-74-8	
Chrysene	<1.7	ug/L	5.5	1.7	1	08/03/17 08:01	08/03/17 16:01	218-01-9	
Di-n-butylphthalate	<2.4	ug/L	8.1	2.4	1	08/03/17 08:01	08/03/17 16:01	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 16:01	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.2	1.3	1	08/03/17 08:01	08/03/17 16:01	53-70-3	
Dibenzofuran	<0.73	ug/L	2.4	0.73	1	08/03/17 08:01	08/03/17 16:01	132-64-9	
Diethylphthalate	<1.0	ug/L	3.4	1.0	1	08/03/17 08:01	08/03/17 16:01	84-66-2	
Dimethylphthalate	<1.8	ug/L	6.1	1.8	1	08/03/17 08:01	08/03/17 16:01	131-11-3	
Fluoranthene	<0.54	ug/L	1.8	0.54	1	08/03/17 08:01	08/03/17 16:01	206-44-0	
Fluorene	<0.71	ug/L	2.4	0.71	1	08/03/17 08:01	08/03/17 16:01	86-73-7	
Hexachloro-1,3-butadiene	<2.3	ug/L	7.8	2.3	1	08/03/17 08:01	08/03/17 16:01	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.4	1.6	1	08/03/17 08:01	08/03/17 16:01	118-74-1	
Hexachlorocyclopentadiene	<0.65	ug/L	2.2	0.65	1	08/03/17 08:01	08/03/17 16:01	77-47-4	
Hexachloroethane	<2.5	ug/L	8.4	2.5	1	08/03/17 08:01	08/03/17 16:01	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.8	1.4	1	08/03/17 08:01	08/03/17 16:01	193-39-5	
Isophorone	<0.70	ug/L	2.3	0.70	1	08/03/17 08:01	08/03/17 16:01	78-59-1	
N-Nitroso-di-n-propylamine	<0.92	ug/L	3.1	0.92	1	08/03/17 08:01	08/03/17 16:01	621-64-7	
N-Nitrosodiphenylamine	<3.4	ug/L	11.2	3.4	1	08/03/17 08:01	08/03/17 16:01	86-30-6	
Naphthalene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 16:01	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/03/17 08:01	08/03/17 16:01	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.6	1.4	1	08/03/17 08:01	08/03/17 16:01	87-86-5	
Phenanthrene	<1.7	ug/L	5.8	1.7	1	08/03/17 08:01	08/03/17 16:01	85-01-8	
Phenol	<0.57	ug/L	1.9	0.57	1	08/03/17 08:01	08/03/17 16:01	108-95-2	
Pyrene	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/03/17 16:01	129-00-0	
bis(2-Chloroethoxy)methane	<0.95	ug/L	3.2	0.95	1	08/03/17 08:01	08/03/17 16:01	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.0	1.5	1	08/03/17 08:01	08/03/17 16:01	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.66	ug/L	2.2	0.66	1	08/03/17 08:01	08/03/17 16:01	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	93	%	53-100		1	08/03/17 08:01	08/03/17 16:01	4165-60-0	
2-Fluorobiphenyl (S)	86	%	59-109		1	08/03/17 08:01	08/03/17 16:01	321-60-8	
Terphenyl-d14 (S)	70	%	59-108		1	08/03/17 08:01	08/03/17 16:01	1718-51-0	
Phenol-d6 (S)	32	%	18-120		1	08/03/17 08:01	08/03/17 16:01	13127-88-3	
2-Fluorophenol (S)	49	%	27-67		1	08/03/17 08:01	08/03/17 16:01	367-12-4	
2,4,6-Tribromophenol (S)	101	%	65-140		1	08/03/17 08:01	08/03/17 16:01	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/01/17 00:55	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/01/17 00:55	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/01/17 00:55	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	104-51-8	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: **SB-53-S** Lab ID: **40154013009** Collected: 07/27/17 10:15 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/01/17 00:55	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/01/17 00:55	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/01/17 00:55	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/01/17 00:55	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/01/17 00:55	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/01/17 00:55	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/01/17 00:55	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/01/17 00:55	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/01/17 00:55	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/01/17 00:55	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/01/17 00:55	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/01/17 00:55	75-35-4	
cis-1,2-Dichloroethene	0.51J	ug/L	1.0	0.26	1		08/01/17 00:55	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/01/17 00:55	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/01/17 00:55	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/01/17 00:55	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/01/17 00:55	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/01/17 00:55	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/01/17 00:55	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/01/17 00:55	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/01/17 00:55	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/01/17 00:55	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/01/17 00:55	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/01/17 00:55	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/01/17 00:55	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/01/17 00:55	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/01/17 00:55	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/01/17 00:55	79-00-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-53-S **Lab ID: 40154013009** Collected: 07/27/17 10:15 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	0.39J	ug/L	1.0	0.33	1		08/01/17 00:55	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/01/17 00:55	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/01/17 00:55	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/01/17 00:55	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/01/17 00:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	61-130		1		08/01/17 00:55	460-00-4	
Dibromofluoromethane (S)	114	%	67-130		1		08/01/17 00:55	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		08/01/17 00:55	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-34-S **Lab ID: 40154013010** Collected: 07/27/17 11:00 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	<8.3	ug/L	25.0	8.3	1	08/01/17 11:54	08/02/17 14:12	7440-38-2	
Barium	125	ug/L	5.0	1.5	1	08/01/17 11:54	08/02/17 14:12	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/01/17 11:54	08/02/17 14:12	7440-43-9	
Chromium	7.0J	ug/L	10.0	2.5	1	08/01/17 11:54	08/02/17 14:12	7440-47-3	
Lead	<4.3	ug/L	13.0	4.3	1	08/01/17 11:54	08/02/17 14:12	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/01/17 11:54	08/02/17 14:12	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/01/17 11:54	08/02/17 14:12	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.13	ug/L	0.42	0.13	1	08/03/17 13:00	08/04/17 09:34	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,2,4-Trichlorobenzene	<1.9	ug/L	6.5	1.9	1	08/03/17 08:01	08/03/17 16:23	120-82-1	
1,2-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/03/17 08:01	08/03/17 16:23	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 16:23	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 16:23	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	4.8	1.5	1	08/03/17 08:01	08/03/17 16:23	108-60-1	
2,4,5-Trichlorophenol	<0.80	ug/L	2.7	0.80	1	08/03/17 08:01	08/03/17 16:23	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.7	2.0	1	08/03/17 08:01	08/03/17 16:23	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/03/17 16:23	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.0	1.2	1	08/03/17 08:01	08/03/17 16:23	105-67-9	
2,4-Dinitrophenol	<0.68	ug/L	2.3	0.68	1	08/03/17 08:01	08/03/17 16:23	51-28-5	
2,4-Dinitrotoluene	<0.75	ug/L	2.5	0.75	1	08/03/17 08:01	08/03/17 16:23	121-14-2	
2,6-Dinitrotoluene	<0.57	ug/L	1.9	0.57	1	08/03/17 08:01	08/03/17 16:23	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.2	1.6	1	08/03/17 08:01	08/03/17 16:23	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.7	1.1	1	08/03/17 08:01	08/03/17 16:23	95-57-8	
2-Methylnaphthalene	<1.4	ug/L	4.8	1.4	1	08/03/17 08:01	08/03/17 16:23	91-57-6	
2-Methylphenol(o-Cresol)	<0.83	ug/L	2.8	0.83	1	08/03/17 08:01	08/03/17 16:23	95-48-7	
2-Nitroaniline	<0.74	ug/L	2.5	0.74	1	08/03/17 08:01	08/03/17 16:23	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/03/17 08:01	08/03/17 16:23	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.0	1.5	1	08/03/17 08:01	08/03/17 16:23		
3,3'-Dichlorobenzidine	<0.86	ug/L	2.9	0.86	1	08/03/17 08:01	08/03/17 16:23	91-94-1	
3-Nitroaniline	<0.92	ug/L	3.1	0.92	1	08/03/17 08:01	08/03/17 16:23	99-09-2	
4,6-Dinitro-2-methylphenol	<0.62	ug/L	2.1	0.62	1	08/03/17 08:01	08/03/17 16:23	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.3	1.9	1	08/03/17 08:01	08/03/17 16:23	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.4	1.6	1	08/03/17 08:01	08/03/17 16:23	59-50-7	
4-Chloroaniline	<1.0	ug/L	3.5	1.0	1	08/03/17 08:01	08/03/17 16:23	106-47-8	
4-Chlorophenylphenyl ether	<0.78	ug/L	2.6	0.78	1	08/03/17 08:01	08/03/17 16:23	7005-72-3	
4-Nitroaniline	<1.7	ug/L	5.8	1.7	1	08/03/17 08:01	08/03/17 16:23	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.3	1.0	1	08/03/17 08:01	08/03/17 16:23	100-02-7	
Acenaphthene	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/03/17 16:23	83-32-9	
Acenaphthylene	<1.0	ug/L	3.4	1.0	1	08/03/17 08:01	08/03/17 16:23	208-96-8	
Anthracene	<1.7	ug/L	5.7	1.7	1	08/03/17 08:01	08/03/17 16:23	120-12-7	
Benzo(a)anthracene	<0.51	ug/L	1.7	0.51	1	08/03/17 08:01	08/03/17 16:23	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 16:23	50-32-8	
Benzo(b)fluoranthene	<0.62	ug/L	2.1	0.62	1	08/03/17 08:01	08/03/17 16:23	205-99-2	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-34-S **Lab ID: 40154013010** Collected: 07/27/17 11:00 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.77	ug/L	2.6	0.77	1	08/03/17 08:01	08/03/17 16:23	191-24-2	
Benzo(k)fluoranthene	<0.95	ug/L	3.2	0.95	1	08/03/17 08:01	08/03/17 16:23	207-08-9	
Butylbenzylphthalate	<0.74	ug/L	2.5	0.74	1	08/03/17 08:01	08/03/17 16:23	85-68-7	
Carbazole	<0.71	ug/L	2.4	0.71	1	08/03/17 08:01	08/03/17 16:23	86-74-8	
Chrysene	<1.7	ug/L	5.5	1.7	1	08/03/17 08:01	08/03/17 16:23	218-01-9	
Di-n-butylphthalate	<2.4	ug/L	8.1	2.4	1	08/03/17 08:01	08/03/17 16:23	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 16:23	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.2	1.3	1	08/03/17 08:01	08/03/17 16:23	53-70-3	
Dibenzofuran	<0.73	ug/L	2.4	0.73	1	08/03/17 08:01	08/03/17 16:23	132-64-9	
Diethylphthalate	<1.0	ug/L	3.4	1.0	1	08/03/17 08:01	08/03/17 16:23	84-66-2	
Dimethylphthalate	<1.8	ug/L	6.1	1.8	1	08/03/17 08:01	08/03/17 16:23	131-11-3	
Fluoranthene	<0.54	ug/L	1.8	0.54	1	08/03/17 08:01	08/03/17 16:23	206-44-0	
Fluorene	<0.71	ug/L	2.4	0.71	1	08/03/17 08:01	08/03/17 16:23	86-73-7	
Hexachloro-1,3-butadiene	<2.3	ug/L	7.8	2.3	1	08/03/17 08:01	08/03/17 16:23	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.4	1.6	1	08/03/17 08:01	08/03/17 16:23	118-74-1	
Hexachlorocyclopentadiene	<0.65	ug/L	2.2	0.65	1	08/03/17 08:01	08/03/17 16:23	77-47-4	
Hexachloroethane	<2.5	ug/L	8.4	2.5	1	08/03/17 08:01	08/03/17 16:23	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.8	1.4	1	08/03/17 08:01	08/03/17 16:23	193-39-5	
Isophorone	<0.70	ug/L	2.3	0.70	1	08/03/17 08:01	08/03/17 16:23	78-59-1	
N-Nitroso-di-n-propylamine	<0.92	ug/L	3.1	0.92	1	08/03/17 08:01	08/03/17 16:23	621-64-7	
N-Nitrosodiphenylamine	<3.4	ug/L	11.2	3.4	1	08/03/17 08:01	08/03/17 16:23	86-30-6	
Naphthalene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 16:23	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/03/17 08:01	08/03/17 16:23	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.6	1.4	1	08/03/17 08:01	08/03/17 16:23	87-86-5	
Phenanthrene	<1.7	ug/L	5.8	1.7	1	08/03/17 08:01	08/03/17 16:23	85-01-8	
Phenol	<0.57	ug/L	1.9	0.57	1	08/03/17 08:01	08/03/17 16:23	108-95-2	
Pyrene	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/03/17 16:23	129-00-0	
bis(2-Chloroethoxy)methane	<0.95	ug/L	3.2	0.95	1	08/03/17 08:01	08/03/17 16:23	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.0	1.5	1	08/03/17 08:01	08/03/17 16:23	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.66	ug/L	2.2	0.66	1	08/03/17 08:01	08/03/17 16:23	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	93	%	53-100		1	08/03/17 08:01	08/03/17 16:23	4165-60-0	
2-Fluorobiphenyl (S)	87	%	59-109		1	08/03/17 08:01	08/03/17 16:23	321-60-8	
Terphenyl-d14 (S)	83	%	59-108		1	08/03/17 08:01	08/03/17 16:23	1718-51-0	
Phenol-d6 (S)	33	%	18-120		1	08/03/17 08:01	08/03/17 16:23	13127-88-3	
2-Fluorophenol (S)	51	%	27-67		1	08/03/17 08:01	08/03/17 16:23	367-12-4	
2,4,6-Tribromophenol (S)	109	%	65-140		1	08/03/17 08:01	08/03/17 16:23	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Acetone	<3.0	ug/L	20.0	3.0	1		08/01/17 01:17	67-64-1	
Benzene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/01/17 01:17	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/01/17 01:17	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/01/17 01:17	74-83-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-34-S **Lab ID: 40154013010** Collected: 07/27/17 11:00 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
2-Butanone (MEK)	<3.0	ug/L	20.0	3.0	1		08/01/17 01:17	78-93-3	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/01/17 01:17	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/01/17 01:17	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/01/17 01:17	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/01/17 01:17	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/01/17 01:17	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/01/17 01:17	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/01/17 01:17	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/01/17 01:17	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/01/17 01:17	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/01/17 01:17	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/01/17 01:17	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/01/17 01:17	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/01/17 01:17	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/01/17 01:17	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/01/17 01:17	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/01/17 01:17	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/01/17 01:17	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/01/17 01:17	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/01/17 01:17	87-68-3	
2-Hexanone	<1.1	ug/L	5.0	1.1	1		08/01/17 01:17	591-78-6	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/01/17 01:17	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/01/17 01:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	<2.1	ug/L	5.0	2.1	1		08/01/17 01:17	108-10-1	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/01/17 01:17	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/01/17 01:17	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/01/17 01:17	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/01/17 01:17	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	108-88-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-34-S **Lab ID: 40154013010** Collected: 07/27/17 11:00 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/01/17 01:17	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/01/17 01:17	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/01/17 01:17	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/01/17 01:17	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/01/17 01:17	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/01/17 01:17	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/01/17 01:17	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/01/17 01:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	61-130		1		08/01/17 01:17	460-00-4	
Dibromofluoromethane (S)	115	%	67-130		1		08/01/17 01:17	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		08/01/17 01:17	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-35-S **Lab ID: 40154013011** Collected: 07/27/17 11:25 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	35.3	ug/L	25.0	8.3	1	08/01/17 11:54	08/02/17 14:19	7440-38-2	
Barium	362	ug/L	5.0	1.5	1	08/01/17 11:54	08/02/17 14:19	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/01/17 11:54	08/02/17 14:19	7440-43-9	
Chromium	15.6	ug/L	10.0	2.5	1	08/01/17 11:54	08/02/17 14:19	7440-47-3	
Lead	20.5	ug/L	13.0	4.3	1	08/01/17 11:54	08/02/17 14:19	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/01/17 11:54	08/02/17 14:19	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/01/17 11:54	08/02/17 14:19	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.13	ug/L	0.42	0.13	1	08/03/17 13:00	08/04/17 09:36	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,2,4-Trichlorobenzene	<1.9	ug/L	6.5	1.9	1	08/03/17 08:01	08/03/17 16:44	120-82-1	
1,2-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/03/17 08:01	08/03/17 16:44	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 16:44	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 16:44	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	4.8	1.5	1	08/03/17 08:01	08/03/17 16:44	108-60-1	
2,4,5-Trichlorophenol	<0.80	ug/L	2.7	0.80	1	08/03/17 08:01	08/03/17 16:44	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.7	2.0	1	08/03/17 08:01	08/03/17 16:44	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/03/17 16:44	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.0	1.2	1	08/03/17 08:01	08/03/17 16:44	105-67-9	
2,4-Dinitrophenol	<0.68	ug/L	2.3	0.68	1	08/03/17 08:01	08/03/17 16:44	51-28-5	
2,4-Dinitrotoluene	<0.75	ug/L	2.5	0.75	1	08/03/17 08:01	08/03/17 16:44	121-14-2	
2,6-Dinitrotoluene	<0.57	ug/L	1.9	0.57	1	08/03/17 08:01	08/03/17 16:44	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.2	1.6	1	08/03/17 08:01	08/03/17 16:44	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.7	1.1	1	08/03/17 08:01	08/03/17 16:44	95-57-8	
2-Methylnaphthalene	<1.4	ug/L	4.8	1.4	1	08/03/17 08:01	08/03/17 16:44	91-57-6	
2-Methylphenol(o-Cresol)	<0.83	ug/L	2.8	0.83	1	08/03/17 08:01	08/03/17 16:44	95-48-7	
2-Nitroaniline	<0.74	ug/L	2.5	0.74	1	08/03/17 08:01	08/03/17 16:44	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/03/17 08:01	08/03/17 16:44	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.0	1.5	1	08/03/17 08:01	08/03/17 16:44		
3,3'-Dichlorobenzidine	<0.86	ug/L	2.9	0.86	1	08/03/17 08:01	08/03/17 16:44	91-94-1	
3-Nitroaniline	<0.92	ug/L	3.1	0.92	1	08/03/17 08:01	08/03/17 16:44	99-09-2	
4,6-Dinitro-2-methylphenol	<0.62	ug/L	2.1	0.62	1	08/03/17 08:01	08/03/17 16:44	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.3	1.9	1	08/03/17 08:01	08/03/17 16:44	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.4	1.6	1	08/03/17 08:01	08/03/17 16:44	59-50-7	
4-Chloroaniline	<1.0	ug/L	3.5	1.0	1	08/03/17 08:01	08/03/17 16:44	106-47-8	
4-Chlorophenylphenyl ether	<0.78	ug/L	2.6	0.78	1	08/03/17 08:01	08/03/17 16:44	7005-72-3	
4-Nitroaniline	<1.7	ug/L	5.8	1.7	1	08/03/17 08:01	08/03/17 16:44	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.3	1.0	1	08/03/17 08:01	08/03/17 16:44	100-02-7	
Acenaphthene	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/03/17 16:44	83-32-9	
Acenaphthylene	<1.0	ug/L	3.4	1.0	1	08/03/17 08:01	08/03/17 16:44	208-96-8	
Anthracene	<1.7	ug/L	5.7	1.7	1	08/03/17 08:01	08/03/17 16:44	120-12-7	
Benzo(a)anthracene	<0.51	ug/L	1.7	0.51	1	08/03/17 08:01	08/03/17 16:44	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 16:44	50-32-8	
Benzo(b)fluoranthene	<0.62	ug/L	2.1	0.62	1	08/03/17 08:01	08/03/17 16:44	205-99-2	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-35-S **Lab ID: 40154013011** Collected: 07/27/17 11:25 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.77	ug/L	2.6	0.77	1	08/03/17 08:01	08/03/17 16:44	191-24-2	
Benzo(k)fluoranthene	<0.95	ug/L	3.2	0.95	1	08/03/17 08:01	08/03/17 16:44	207-08-9	
Butylbenzylphthalate	<0.74	ug/L	2.5	0.74	1	08/03/17 08:01	08/03/17 16:44	85-68-7	
Carbazole	<0.71	ug/L	2.4	0.71	1	08/03/17 08:01	08/03/17 16:44	86-74-8	
Chrysene	<1.7	ug/L	5.5	1.7	1	08/03/17 08:01	08/03/17 16:44	218-01-9	
Di-n-butylphthalate	<2.4	ug/L	8.1	2.4	1	08/03/17 08:01	08/03/17 16:44	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 16:44	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.2	1.3	1	08/03/17 08:01	08/03/17 16:44	53-70-3	
Dibenzofuran	<0.73	ug/L	2.4	0.73	1	08/03/17 08:01	08/03/17 16:44	132-64-9	
Diethylphthalate	<1.0	ug/L	3.4	1.0	1	08/03/17 08:01	08/03/17 16:44	84-66-2	
Dimethylphthalate	<1.8	ug/L	6.1	1.8	1	08/03/17 08:01	08/03/17 16:44	131-11-3	
Fluoranthene	<0.54	ug/L	1.8	0.54	1	08/03/17 08:01	08/03/17 16:44	206-44-0	
Fluorene	<0.71	ug/L	2.4	0.71	1	08/03/17 08:01	08/03/17 16:44	86-73-7	
Hexachloro-1,3-butadiene	<2.3	ug/L	7.8	2.3	1	08/03/17 08:01	08/03/17 16:44	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.4	1.6	1	08/03/17 08:01	08/03/17 16:44	118-74-1	
Hexachlorocyclopentadiene	<0.65	ug/L	2.2	0.65	1	08/03/17 08:01	08/03/17 16:44	77-47-4	
Hexachloroethane	<2.5	ug/L	8.4	2.5	1	08/03/17 08:01	08/03/17 16:44	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.8	1.4	1	08/03/17 08:01	08/03/17 16:44	193-39-5	
Isophorone	<0.70	ug/L	2.3	0.70	1	08/03/17 08:01	08/03/17 16:44	78-59-1	
N-Nitroso-di-n-propylamine	<0.92	ug/L	3.1	0.92	1	08/03/17 08:01	08/03/17 16:44	621-64-7	
N-Nitrosodiphenylamine	<3.4	ug/L	11.2	3.4	1	08/03/17 08:01	08/03/17 16:44	86-30-6	
Naphthalene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 16:44	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/03/17 08:01	08/03/17 16:44	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.6	1.4	1	08/03/17 08:01	08/03/17 16:44	87-86-5	
Phenanthrene	<1.7	ug/L	5.8	1.7	1	08/03/17 08:01	08/03/17 16:44	85-01-8	
Phenol	<0.57	ug/L	1.9	0.57	1	08/03/17 08:01	08/03/17 16:44	108-95-2	
Pyrene	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/03/17 16:44	129-00-0	
bis(2-Chloroethoxy)methane	<0.95	ug/L	3.2	0.95	1	08/03/17 08:01	08/03/17 16:44	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.0	1.5	1	08/03/17 08:01	08/03/17 16:44	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.66	ug/L	2.2	0.66	1	08/03/17 08:01	08/03/17 16:44	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	90	%	53-100		1	08/03/17 08:01	08/03/17 16:44	4165-60-0	
2-Fluorobiphenyl (S)	75	%	59-109		1	08/03/17 08:01	08/03/17 16:44	321-60-8	
Terphenyl-d14 (S)	93	%	59-108		1	08/03/17 08:01	08/03/17 16:44	1718-51-0	
Phenol-d6 (S)	34	%	18-120		1	08/03/17 08:01	08/03/17 16:44	13127-88-3	
2-Fluorophenol (S)	54	%	27-67		1	08/03/17 08:01	08/03/17 16:44	367-12-4	
2,4,6-Tribromophenol (S)	108	%	65-140		1	08/03/17 08:01	08/03/17 16:44	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/31/17 19:43	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/31/17 19:43	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/31/17 19:43	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	104-51-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-35-S **Lab ID: 40154013011** Collected: 07/27/17 11:25 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/31/17 19:43	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/31/17 19:43	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/31/17 19:43	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/31/17 19:43	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/31/17 19:43	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/31/17 19:43	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/31/17 19:43	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/31/17 19:43	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/31/17 19:43	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/31/17 19:43	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/31/17 19:43	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/31/17 19:43	75-35-4	
cis-1,2-Dichloroethene	0.70J	ug/L	1.0	0.26	1		07/31/17 19:43	156-59-2	
trans-1,2-Dichloroethene	0.75J	ug/L	1.0	0.26	1		07/31/17 19:43	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/31/17 19:43	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/31/17 19:43	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/31/17 19:43	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/31/17 19:43	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/31/17 19:43	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/31/17 19:43	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/31/17 19:43	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/31/17 19:43	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/31/17 19:43	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/31/17 19:43	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/31/17 19:43	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/31/17 19:43	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/31/17 19:43	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/31/17 19:43	79-00-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-35-S **Lab ID: 40154013011** Collected: 07/27/17 11:25 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/31/17 19:43	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/31/17 19:43	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	108-67-8	
Vinyl chloride	0.48J	ug/L	1.0	0.18	1		07/31/17 19:43	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/31/17 19:43	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/31/17 19:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		07/31/17 19:43	460-00-4	
Dibromofluoromethane (S)	107	%	67-130		1		07/31/17 19:43	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		07/31/17 19:43	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-36-S Lab ID: 40154013012 Collected: 07/27/17 12:05 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	36.2	ug/L	25.0	8.3	1	08/01/17 11:54	08/02/17 14:22	7440-38-2	
Barium	288	ug/L	5.0	1.5	1	08/01/17 11:54	08/02/17 14:22	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/01/17 11:54	08/02/17 14:22	7440-43-9	
Chromium	58.0	ug/L	10.0	2.5	1	08/01/17 11:54	08/02/17 14:22	7440-47-3	
Lead	21.6	ug/L	13.0	4.3	1	08/01/17 11:54	08/02/17 14:22	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/01/17 11:54	08/02/17 14:22	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/01/17 11:54	08/02/17 14:22	7440-22-4	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	0.18J	ug/L	0.42	0.13	1	08/03/17 13:00	08/04/17 09:38	7439-97-6	
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,2,4-Trichlorobenzene	<1.9	ug/L	6.5	1.9	1	08/03/17 08:01	08/03/17 17:05	120-82-1	
1,2-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/03/17 08:01	08/03/17 17:05	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 17:05	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 17:05	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	4.8	1.5	1	08/03/17 08:01	08/03/17 17:05	108-60-1	
2,4,5-Trichlorophenol	<0.80	ug/L	2.7	0.80	1	08/03/17 08:01	08/03/17 17:05	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.7	2.0	1	08/03/17 08:01	08/03/17 17:05	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/03/17 17:05	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.0	1.2	1	08/03/17 08:01	08/03/17 17:05	105-67-9	
2,4-Dinitrophenol	<0.68	ug/L	2.3	0.68	1	08/03/17 08:01	08/03/17 17:05	51-28-5	
2,4-Dinitrotoluene	<0.75	ug/L	2.5	0.75	1	08/03/17 08:01	08/03/17 17:05	121-14-2	
2,6-Dinitrotoluene	<0.57	ug/L	1.9	0.57	1	08/03/17 08:01	08/03/17 17:05	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.2	1.6	1	08/03/17 08:01	08/03/17 17:05	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.7	1.1	1	08/03/17 08:01	08/03/17 17:05	95-57-8	
2-Methylnaphthalene	<1.4	ug/L	4.8	1.4	1	08/03/17 08:01	08/03/17 17:05	91-57-6	
2-Methylphenol(o-Cresol)	<0.83	ug/L	2.8	0.83	1	08/03/17 08:01	08/03/17 17:05	95-48-7	
2-Nitroaniline	<0.74	ug/L	2.5	0.74	1	08/03/17 08:01	08/03/17 17:05	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/03/17 08:01	08/03/17 17:05	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.0	1.5	1	08/03/17 08:01	08/03/17 17:05		
3,3'-Dichlorobenzidine	<0.86	ug/L	2.9	0.86	1	08/03/17 08:01	08/03/17 17:05	91-94-1	
3-Nitroaniline	<0.92	ug/L	3.1	0.92	1	08/03/17 08:01	08/03/17 17:05	99-09-2	
4,6-Dinitro-2-methylphenol	<0.62	ug/L	2.1	0.62	1	08/03/17 08:01	08/03/17 17:05	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.3	1.9	1	08/03/17 08:01	08/03/17 17:05	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.4	1.6	1	08/03/17 08:01	08/03/17 17:05	59-50-7	
4-Chloroaniline	<1.0	ug/L	3.5	1.0	1	08/03/17 08:01	08/03/17 17:05	106-47-8	
4-Chlorophenylphenyl ether	<0.78	ug/L	2.6	0.78	1	08/03/17 08:01	08/03/17 17:05	7005-72-3	
4-Nitroaniline	<1.7	ug/L	5.8	1.7	1	08/03/17 08:01	08/03/17 17:05	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.3	1.0	1	08/03/17 08:01	08/03/17 17:05	100-02-7	
Acenaphthene	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/03/17 17:05	83-32-9	
Acenaphthylene	<1.0	ug/L	3.4	1.0	1	08/03/17 08:01	08/03/17 17:05	208-96-8	
Anthracene	<1.7	ug/L	5.7	1.7	1	08/03/17 08:01	08/03/17 17:05	120-12-7	
Benzo(a)anthracene	<0.51	ug/L	1.7	0.51	1	08/03/17 08:01	08/03/17 17:05	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 17:05	50-32-8	
Benzo(b)fluoranthene	<0.62	ug/L	2.1	0.62	1	08/03/17 08:01	08/03/17 17:05	205-99-2	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-36-S **Lab ID: 40154013012** Collected: 07/27/17 12:05 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.77	ug/L	2.6	0.77	1	08/03/17 08:01	08/03/17 17:05	191-24-2	
Benzo(k)fluoranthene	<0.95	ug/L	3.2	0.95	1	08/03/17 08:01	08/03/17 17:05	207-08-9	
Butylbenzylphthalate	<0.74	ug/L	2.5	0.74	1	08/03/17 08:01	08/03/17 17:05	85-68-7	
Carbazole	<0.71	ug/L	2.4	0.71	1	08/03/17 08:01	08/03/17 17:05	86-74-8	
Chrysene	<1.7	ug/L	5.5	1.7	1	08/03/17 08:01	08/03/17 17:05	218-01-9	
Di-n-butylphthalate	<2.4	ug/L	8.1	2.4	1	08/03/17 08:01	08/03/17 17:05	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 17:05	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.2	1.3	1	08/03/17 08:01	08/03/17 17:05	53-70-3	
Dibenzofuran	<0.73	ug/L	2.4	0.73	1	08/03/17 08:01	08/03/17 17:05	132-64-9	
Diethylphthalate	<1.0	ug/L	3.4	1.0	1	08/03/17 08:01	08/03/17 17:05	84-66-2	
Dimethylphthalate	<1.8	ug/L	6.1	1.8	1	08/03/17 08:01	08/03/17 17:05	131-11-3	
Fluoranthene	<0.54	ug/L	1.8	0.54	1	08/03/17 08:01	08/03/17 17:05	206-44-0	
Fluorene	<0.71	ug/L	2.4	0.71	1	08/03/17 08:01	08/03/17 17:05	86-73-7	
Hexachloro-1,3-butadiene	<2.3	ug/L	7.8	2.3	1	08/03/17 08:01	08/03/17 17:05	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.4	1.6	1	08/03/17 08:01	08/03/17 17:05	118-74-1	
Hexachlorocyclopentadiene	<0.65	ug/L	2.2	0.65	1	08/03/17 08:01	08/03/17 17:05	77-47-4	
Hexachloroethane	<2.5	ug/L	8.4	2.5	1	08/03/17 08:01	08/03/17 17:05	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.8	1.4	1	08/03/17 08:01	08/03/17 17:05	193-39-5	
Isophorone	<0.70	ug/L	2.3	0.70	1	08/03/17 08:01	08/03/17 17:05	78-59-1	
N-Nitroso-di-n-propylamine	<0.92	ug/L	3.1	0.92	1	08/03/17 08:01	08/03/17 17:05	621-64-7	
N-Nitrosodiphenylamine	<3.4	ug/L	11.2	3.4	1	08/03/17 08:01	08/03/17 17:05	86-30-6	
Naphthalene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 17:05	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/03/17 08:01	08/03/17 17:05	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.6	1.4	1	08/03/17 08:01	08/03/17 17:05	87-86-5	
Phenanthrene	<1.7	ug/L	5.8	1.7	1	08/03/17 08:01	08/03/17 17:05	85-01-8	
Phenol	<0.57	ug/L	1.9	0.57	1	08/03/17 08:01	08/03/17 17:05	108-95-2	
Pyrene	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/03/17 17:05	129-00-0	
bis(2-Chloroethoxy)methane	<0.95	ug/L	3.2	0.95	1	08/03/17 08:01	08/03/17 17:05	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.0	1.5	1	08/03/17 08:01	08/03/17 17:05	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.66	ug/L	2.2	0.66	1	08/03/17 08:01	08/03/17 17:05	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	72	%	53-100		1	08/03/17 08:01	08/03/17 17:05	4165-60-0	
2-Fluorobiphenyl (S)	35	%	59-109		1	08/03/17 08:01	08/03/17 17:05	321-60-8	S0
Terphenyl-d14 (S)	94	%	59-108		1	08/03/17 08:01	08/03/17 17:05	1718-51-0	
Phenol-d6 (S)	31	%	18-120		1	08/03/17 08:01	08/03/17 17:05	13127-88-3	
2-Fluorophenol (S)	46	%	27-67		1	08/03/17 08:01	08/03/17 17:05	367-12-4	
2,4,6-Tribromophenol (S)	53	%	65-140		1	08/03/17 08:01	08/03/17 17:05	118-79-6	S0
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/31/17 20:05	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/31/17 20:05	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/31/17 20:05	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	104-51-8	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-36-S **Lab ID: 40154013012** Collected: 07/27/17 12:05 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/31/17 20:05	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/31/17 20:05	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/31/17 20:05	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/31/17 20:05	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/31/17 20:05	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/31/17 20:05	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/31/17 20:05	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/31/17 20:05	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/31/17 20:05	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/31/17 20:05	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/31/17 20:05	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/31/17 20:05	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/31/17 20:05	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/31/17 20:05	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/31/17 20:05	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/31/17 20:05	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/31/17 20:05	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/31/17 20:05	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/31/17 20:05	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/31/17 20:05	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/31/17 20:05	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/31/17 20:05	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/31/17 20:05	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/31/17 20:05	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/31/17 20:05	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/31/17 20:05	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/31/17 20:05	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/31/17 20:05	79-00-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-36-S **Lab ID: 40154013012** Collected: 07/27/17 12:05 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/31/17 20:05	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/31/17 20:05	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/31/17 20:05	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/31/17 20:05	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/31/17 20:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	61-130		1		07/31/17 20:05	460-00-4	
Dibromofluoromethane (S)	113	%	67-130		1		07/31/17 20:05	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		07/31/17 20:05	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT
Pace Project No.: 40154013

Sample: SB-35, 3.5-4.5 **Lab ID: 40154013013** Collected: 07/27/17 10:45 Received: 07/28/17 09:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<40.1	ug/kg	80.2	40.1	1	08/01/17 12:31	08/02/17 18:48	12674-11-2	
PCB-1221 (Aroclor 1221)	<40.1	ug/kg	80.2	40.1	1	08/01/17 12:31	08/02/17 18:48	11104-28-2	
PCB-1232 (Aroclor 1232)	<40.1	ug/kg	80.2	40.1	1	08/01/17 12:31	08/02/17 18:48	11141-16-5	
PCB-1242 (Aroclor 1242)	<40.1	ug/kg	80.2	40.1	1	08/01/17 12:31	08/02/17 18:48	53469-21-9	
PCB-1248 (Aroclor 1248)	<40.1	ug/kg	80.2	40.1	1	08/01/17 12:31	08/02/17 18:48	12672-29-6	
PCB-1254 (Aroclor 1254)	<40.1	ug/kg	80.2	40.1	1	08/01/17 12:31	08/02/17 18:48	11097-69-1	
PCB-1260 (Aroclor 1260)	<40.1	ug/kg	80.2	40.1	1	08/01/17 12:31	08/02/17 18:48	11096-82-5	
PCB, Total	<40.1	ug/kg	80.2	40.1	1	08/01/17 12:31	08/02/17 18:48	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	57	%	50-102		1	08/01/17 12:31	08/02/17 18:48	877-09-8	
Decachlorobiphenyl (S)	70	%	53-105		1	08/01/17 12:31	08/02/17 18:48	2051-24-3	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	13.0	mg/kg	7.6	1.6	1	08/02/17 14:07	08/04/17 10:31	7440-38-2	
Barium	90.4	mg/kg	0.76	0.23	1	08/02/17 14:07	08/04/17 10:31	7440-39-3	
Cadmium	0.79	mg/kg	0.76	0.20	1	08/02/17 14:07	08/04/17 10:31	7440-43-9	
Chromium	19.0	mg/kg	1.5	0.42	1	08/02/17 14:07	08/04/17 10:31	7440-47-3	
Lead	18.1	mg/kg	2.0	0.66	1	08/02/17 14:07	08/04/17 10:31	7439-92-1	
Selenium	<1.7	mg/kg	7.6	1.7	1	08/02/17 14:07	08/04/17 10:31	7782-49-2	
Silver	1.2J	mg/kg	1.5	0.52	1	08/02/17 14:07	08/04/17 10:31	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.080	mg/kg	0.057	0.017	1	08/11/17 06:31	08/11/17 12:43	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<30.3	ug/kg	101	30.3	1	07/31/17 11:15	07/31/17 18:22	120-82-1	
1,2-Dichlorobenzene	<84.3	ug/kg	281	84.3	1	07/31/17 11:15	07/31/17 18:22	95-50-1	
1,3-Dichlorobenzene	<37.1	ug/kg	124	37.1	1	07/31/17 11:15	07/31/17 18:22	541-73-1	
1,4-Dichlorobenzene	<37.4	ug/kg	125	37.4	1	07/31/17 11:15	07/31/17 18:22	106-46-7	
2,2'-Oxybis(1-chloropropane)	<69.2	ug/kg	231	69.2	1	07/31/17 11:15	07/31/17 18:22	108-60-1	
2,4,5-Trichlorophenol	<47.4	ug/kg	158	47.4	1	07/31/17 11:15	07/31/17 18:22	95-95-4	
2,4,6-Trichlorophenol	<40.9	ug/kg	136	40.9	1	07/31/17 11:15	07/31/17 18:22	88-06-2	
2,4-Dichlorophenol	<71.7	ug/kg	239	71.7	1	07/31/17 11:15	07/31/17 18:22	120-83-2	
2,4-Dimethylphenol	<53.0	ug/kg	177	53.0	1	07/31/17 11:15	07/31/17 18:22	105-67-9	
2,4-Dinitrophenol	<81.7	ug/kg	272	81.7	1	07/31/17 11:15	07/31/17 18:22	51-28-5	
2,4-Dinitrotoluene	<38.4	ug/kg	128	38.4	1	07/31/17 11:15	07/31/17 18:22	121-14-2	
2,6-Dinitrotoluene	<50.9	ug/kg	170	50.9	1	07/31/17 11:15	07/31/17 18:22	606-20-2	
2-Chloronaphthalene	<34.4	ug/kg	115	34.4	1	07/31/17 11:15	07/31/17 18:22	91-58-7	
2-Chlorophenol	<66.9	ug/kg	223	66.9	1	07/31/17 11:15	07/31/17 18:22	95-57-8	
2-Methylnaphthalene	2430	ug/kg	232	69.6	1	07/31/17 11:15	07/31/17 18:22	91-57-6	
2-Methylphenol(o-Cresol)	<48.7	ug/kg	162	48.7	1	07/31/17 11:15	07/31/17 18:22	95-48-7	
2-Nitroaniline	<76.4	ug/kg	255	76.4	1	07/31/17 11:15	07/31/17 18:22	88-74-4	
2-Nitrophenol	<84.6	ug/kg	282	84.6	1	07/31/17 11:15	07/31/17 18:22	88-75-5	
3&4-Methylphenol(m&p Cresol)	<49.1	ug/kg	164	49.1	1	07/31/17 11:15	07/31/17 18:22		
3,3'-Dichlorobenzidine	<72.8	ug/kg	243	72.8	1	07/31/17 11:15	07/31/17 18:22	91-94-1	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-35, 3.5-4.5 **Lab ID: 40154013013** Collected: 07/27/17 10:45 Received: 07/28/17 09:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<45.6	ug/kg	152	45.6	1	07/31/17 11:15	07/31/17 18:22	99-09-2	
4,6-Dinitro-2-methylphenol	<82.7	ug/kg	276	82.7	1	07/31/17 11:15	07/31/17 18:22	534-52-1	
4-Bromophenylphenyl ether	<56.2	ug/kg	187	56.2	1	07/31/17 11:15	07/31/17 18:22	101-55-3	
4-Chloro-3-methylphenol	<83.4	ug/kg	278	83.4	1	07/31/17 11:15	07/31/17 18:22	59-50-7	
4-Chloroaniline	<44.1	ug/kg	147	44.1	1	07/31/17 11:15	07/31/17 18:22	106-47-8	
4-Chlorophenylphenyl ether	<49.9	ug/kg	166	49.9	1	07/31/17 11:15	07/31/17 18:22	7005-72-3	
4-Nitroaniline	<111	ug/kg	371	111	1	07/31/17 11:15	07/31/17 18:22	100-01-6	
4-Nitrophenol	<67.5	ug/kg	225	67.5	1	07/31/17 11:15	07/31/17 18:22	100-02-7	
Acenaphthene	1080	ug/kg	317	95.1	1	07/31/17 11:15	07/31/17 18:22	83-32-9	
Acenaphthylene	98.3J	ug/kg	319	95.7	1	07/31/17 11:15	07/31/17 18:22	208-96-8	
Anthracene	481	ug/kg	143	42.9	1	07/31/17 11:15	07/31/17 18:22	120-12-7	
Benzo(a)anthracene	319	ug/kg	138	41.5	1	07/31/17 11:15	07/31/17 18:22	56-55-3	
Benzo(a)pyrene	244	ug/kg	135	40.4	1	07/31/17 11:15	07/31/17 18:22	50-32-8	
Benzo(b)fluoranthene	219	ug/kg	154	46.1	1	07/31/17 11:15	07/31/17 18:22	205-99-2	
Benzo(g,h,i)perylene	144J	ug/kg	234	70.2	1	07/31/17 11:15	07/31/17 18:22	191-24-2	
Benzo(k)fluoranthene	92.0J	ug/kg	214	64.2	1	07/31/17 11:15	07/31/17 18:22	207-08-9	
Butylbenzylphthalate	<43.0	ug/kg	143	43.0	1	07/31/17 11:15	07/31/17 18:22	85-68-7	
Carbazole	<42.0	ug/kg	140	42.0	1	07/31/17 11:15	07/31/17 18:22	86-74-8	
Chrysene	372	ug/kg	134	40.1	1	07/31/17 11:15	07/31/17 18:22	218-01-9	
Di-n-butylphthalate	<40.1	ug/kg	134	40.1	1	07/31/17 11:15	07/31/17 18:22	84-74-2	
Di-n-octylphthalate	<60.3	ug/kg	201	60.3	1	07/31/17 11:15	07/31/17 18:22	117-84-0	
Dibenz(a,h)anthracene	<72.8	ug/kg	243	72.8	1	07/31/17 11:15	07/31/17 18:22	53-70-3	
Dibenzofuran	113	ug/kg	108	32.5	1	07/31/17 11:15	07/31/17 18:22	132-64-9	
Diethylphthalate	<44.5	ug/kg	148	44.5	1	07/31/17 11:15	07/31/17 18:22	84-66-2	
Dimethylphthalate	<34.9	ug/kg	116	34.9	1	07/31/17 11:15	07/31/17 18:22	131-11-3	
Fluoranthene	677	ug/kg	126	37.9	1	07/31/17 11:15	07/31/17 18:22	206-44-0	
Fluorene	581	ug/kg	104	31.3	1	07/31/17 11:15	07/31/17 18:22	86-73-7	
Hexachloro-1,3-butadiene	<68.3	ug/kg	228	68.3	1	07/31/17 11:15	07/31/17 18:22	87-68-3	
Hexachlorobenzene	<45.1	ug/kg	150	45.1	1	07/31/17 11:15	07/31/17 18:22	118-74-1	
Hexachlorocyclopentadiene	<63.5	ug/kg	212	63.5	1	07/31/17 11:15	07/31/17 18:22	77-47-4	
Hexachloroethane	<42.9	ug/kg	143	42.9	1	07/31/17 11:15	07/31/17 18:22	67-72-1	
Indeno(1,2,3-cd)pyrene	141J	ug/kg	193	58.0	1	07/31/17 11:15	07/31/17 18:22	193-39-5	
Isophorone	<41.2	ug/kg	137	41.2	1	07/31/17 11:15	07/31/17 18:22	78-59-1	
N-Nitroso-di-n-propylamine	<42.5	ug/kg	142	42.5	1	07/31/17 11:15	07/31/17 18:22	621-64-7	
N-Nitrosodiphenylamine	<364	ug/kg	1210	364	1	07/31/17 11:15	07/31/17 18:22	86-30-6	
Naphthalene	3420	ug/kg	313	93.8	1	07/31/17 11:15	07/31/17 18:22	91-20-3	
Nitrobenzene	<54.4	ug/kg	181	54.4	1	07/31/17 11:15	07/31/17 18:22	98-95-3	
Pentachlorophenol	<59.1	ug/kg	197	59.1	1	07/31/17 11:15	07/31/17 18:22	87-86-5	
Phenanthrene	1670	ug/kg	115	34.4	1	07/31/17 11:15	07/31/17 18:22	85-01-8	
Phenol	73.8J	ug/kg	212	63.6	1	07/31/17 11:15	07/31/17 18:22	108-95-2	
Pyrene	882	ug/kg	198	59.4	1	07/31/17 11:15	07/31/17 18:22	129-00-0	
bis(2-Chloroethoxy)methane	<72.2	ug/kg	241	72.2	1	07/31/17 11:15	07/31/17 18:22	111-91-1	
bis(2-Chloroethyl) ether	<83.7	ug/kg	279	83.7	1	07/31/17 11:15	07/31/17 18:22	111-44-4	
bis(2-Ethylhexyl)phthalate	<44.6	ug/kg	149	44.6	1	07/31/17 11:15	07/31/17 18:22	117-81-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: SB-35, 3.5-4.5 **Lab ID: 40154013013** Collected: 07/27/17 10:45 Received: 07/28/17 09:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

Nitrobenzene-d5 (S)	52	%	13-114		1	07/31/17 11:15	07/31/17 18:22	4165-60-0	
2-Fluorobiphenyl (S)	56	%	18-127		1	07/31/17 11:15	07/31/17 18:22	321-60-8	
Terphenyl-d14 (S)	61	%	41-109		1	07/31/17 11:15	07/31/17 18:22	1718-51-0	
Phenol-d6 (S)	41	%	30-97		1	07/31/17 11:15	07/31/17 18:22	13127-88-3	
2-Fluorophenol (S)	44	%	16-103		1	07/31/17 11:15	07/31/17 18:22	367-12-4	
2,4,6-Tribromophenol (S)	61	%	13-143		1	07/31/17 11:15	07/31/17 18:22	118-79-6	

8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Benzene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/01/17 08:00	08/01/17 16:30	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/01/17 08:00	08/01/17 16:30	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/01/17 08:00	08/01/17 16:30	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/01/17 08:00	08/01/17 16:30	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	108-20-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT
Pace Project No.: 40154013

Sample: SB-35, 3.5-4.5 **Lab ID: 40154013013** Collected: 07/27/17 10:45 Received: 07/28/17 09:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/01/17 08:00	08/01/17 16:30	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/01/17 08:00	08/01/17 16:30	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/01/17 08:00	08/01/17 16:30	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/01/17 08:00	08/01/17 16:30	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	68-130		1	08/01/17 08:00	08/01/17 16:30	1868-53-7	
Toluene-d8 (S)	116	%	68-149		1	08/01/17 08:00	08/01/17 16:30	2037-26-5	
4-Bromofluorobenzene (S)	93	%	58-141		1	08/01/17 08:00	08/01/17 16:30	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	37.7	%	0.10	0.10	1		07/31/17 17:26		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: TB **Lab ID: 40154013014** Collected: 07/27/17 00:00 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		07/31/17 18:59	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		07/31/17 18:59	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		07/31/17 18:59	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		07/31/17 18:59	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		07/31/17 18:59	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		07/31/17 18:59	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		07/31/17 18:59	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		07/31/17 18:59	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		07/31/17 18:59	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		07/31/17 18:59	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		07/31/17 18:59	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		07/31/17 18:59	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		07/31/17 18:59	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		07/31/17 18:59	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		07/31/17 18:59	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/31/17 18:59	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		07/31/17 18:59	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		07/31/17 18:59	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		07/31/17 18:59	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		07/31/17 18:59	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		07/31/17 18:59	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		07/31/17 18:59	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		07/31/17 18:59	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		07/31/17 18:59	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		07/31/17 18:59	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		07/31/17 18:59	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		07/31/17 18:59	630-20-6	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154013

Sample: TB **Lab ID: 40154013014** Collected: 07/27/17 00:00 Received: 07/28/17 09:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		07/31/17 18:59	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		07/31/17 18:59	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		07/31/17 18:59	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		07/31/17 18:59	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		07/31/17 18:59	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		07/31/17 18:59	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		07/31/17 18:59	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		07/31/17 18:59	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		07/31/17 18:59	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		07/31/17 18:59	460-00-4	
Dibromofluoromethane (S)	105	%	67-130		1		07/31/17 18:59	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		07/31/17 18:59	2037-26-5	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154013

QC Batch: 263188	Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B	Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40154013013	

METHOD BLANK: 1548616 Matrix: Solid
Associated Lab Samples: 40154013013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4-Bromofluorobenzene (S)	%	92	58-141	08/01/17 10:28	
Dibromofluoromethane (S)	%	113	68-130	08/01/17 10:28	
Toluene-d8 (S)	%	114	68-149	08/01/17 10:28	

LABORATORY CONTROL SAMPLE: 1548617

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			93	58-141	
Dibromofluoromethane (S)	%			103	68-130	
Toluene-d8 (S)	%			105	68-149	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1548618 1548619

Parameter	Units	40153949019		MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	Result					
4-Bromofluorobenzene (S)	%							97	95	58-141		
Dibromofluoromethane (S)	%							113	112	68-130		
Toluene-d8 (S)	%							114	113	68-149		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154013

QC Batch: 263201 Analysis Method: EPA 8082
QC Batch Method: EPA 3541 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 40154013013

METHOD BLANK: 1548689 Matrix: Solid
Associated Lab Samples: 40154013013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Decachlorobiphenyl (S)	%	86	53-105	08/02/17 10:24	
Tetrachloro-m-xylene (S)	%	68	50-102	08/02/17 10:24	

LABORATORY CONTROL SAMPLE: 1548690

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Decachlorobiphenyl (S)	%			85	53-105	
Tetrachloro-m-xylene (S)	%			71	50-102	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1548691 1548692

Parameter	Units	40154096008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Decachlorobiphenyl (S)	%						69	64	53-105			
Tetrachloro-m-xylene (S)	%						53	48	50-102			S0

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154013

QC Batch: 262984 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 40154013013

METHOD BLANK: 1548004 Matrix: Solid
Associated Lab Samples: 40154013013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,6-Tribromophenol (S)	%	75	13-143	07/31/17 12:14	
2-Fluorobiphenyl (S)	%	80	18-127	07/31/17 12:14	
2-Fluorophenol (S)	%	74	16-103	07/31/17 12:14	
Nitrobenzene-d5 (S)	%	73	13-114	07/31/17 12:14	
Phenol-d6 (S)	%	73	30-97	07/31/17 12:14	
Terphenyl-d14 (S)	%	95	41-109	07/31/17 12:14	

LABORATORY CONTROL SAMPLE: 1548005

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,6-Tribromophenol (S)	%			88	13-143	
2-Fluorobiphenyl (S)	%			83	18-127	
2-Fluorophenol (S)	%			66	16-103	
Nitrobenzene-d5 (S)	%			78	13-114	
Phenol-d6 (S)	%			74	30-97	
Terphenyl-d14 (S)	%			91	41-109	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1548006 1548007

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40153727004 Result	Spike Conc.	Spike Conc.	MS Result					
2,4,6-Tribromophenol (S)	%					81	90	13-143		
2-Fluorophenol (S)	%					67	61	16-103		
Phenol-d6 (S)	%					64	64	30-97		

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154013

QC Batch: 263151 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 40154013001, 40154013002, 40154013003, 40154013004, 40154013005, 40154013006, 40154013007

METHOD BLANK: 1548459 Matrix: Water
Associated Lab Samples: 40154013001, 40154013002, 40154013003, 40154013004, 40154013005, 40154013006, 40154013007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,6-Tribromophenol (S)	%	101	65-140	08/01/17 13:30	
2-Fluorobiphenyl (S)	%	72	59-109	08/01/17 13:30	
2-Fluorophenol (S)	%	53	27-67	08/01/17 13:30	
Nitrobenzene-d5 (S)	%	78	53-100	08/01/17 13:30	
Phenol-d6 (S)	%	30	18-120	08/01/17 13:30	
Terphenyl-d14 (S)	%	109	59-108	08/01/17 13:30	S3

LABORATORY CONTROL SAMPLE & LCSD: 1548460

Parameter	Units	1548461							Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD		
2,4,6-Tribromophenol (S)	%				107	112	65-140			
2-Fluorobiphenyl (S)	%				84	89	59-109			
2-Fluorophenol (S)	%				56	59	27-67			
Nitrobenzene-d5 (S)	%				94	97	53-100			
Phenol-d6 (S)	%				35	35	18-120			
Terphenyl-d14 (S)	%				104	107	59-108			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154013

QC Batch: 263409 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 40154013008, 40154013009, 40154013010, 40154013011, 40154013012

METHOD BLANK: 1550142 Matrix: Water
Associated Lab Samples: 40154013008, 40154013009, 40154013010, 40154013011, 40154013012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,6-Tribromophenol (S)	%	105	65-140	08/03/17 12:28	
2-Fluorobiphenyl (S)	%	79	59-109	08/03/17 12:28	
2-Fluorophenol (S)	%	55	27-67	08/03/17 12:28	
Nitrobenzene-d5 (S)	%	94	53-100	08/03/17 12:28	
Phenol-d6 (S)	%	35	18-120	08/03/17 12:28	
Terphenyl-d14 (S)	%	103	59-108	08/03/17 12:28	

Parameter	Units	1550143		1550144		% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec				
2,4,6-Tribromophenol (S)	%				114	112		65-140	
2-Fluorobiphenyl (S)	%				88	90		59-109	
2-Fluorophenol (S)	%				56	60		27-67	
Nitrobenzene-d5 (S)	%				99	97		53-100	
Phenol-d6 (S)	%				38	37		18-120	
Terphenyl-d14 (S)	%				105	105		59-108	

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QUALIFIERS

Project: 0403363 KRAFT
Pace Project No.: 40154013

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: 263229

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 263499

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

S0 Surrogate recovery outside laboratory control limits.

S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0403363 KRAFT

Pace Project No.: 40154013

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40154013013	SB-35, 3.5-4.5	EPA 3541	263201	EPA 8082	263205
40154013013	SB-35, 3.5-4.5	EPA 3050	263344	EPA 6010	263519
40154013001	SB-28-S	EPA 3010	263196	EPA 6010	263303
40154013002	SB-31-D	EPA 3010	263196	EPA 6010	263303
40154013003	SB-30-S	EPA 3010	263196	EPA 6010	263303
40154013004	SB-27-S	EPA 3010	263196	EPA 6010	263303
40154013005	SB-32-S	EPA 3010	263196	EPA 6010	263303
40154013006	SB-26-S	EPA 3010	263196	EPA 6010	263303
40154013007	SB-31-S	EPA 3010	263196	EPA 6010	263303
40154013008	SB-27-D	EPA 3010	263196	EPA 6010	263303
40154013009	SB-53-S	EPA 3010	263196	EPA 6010	263303
40154013010	SB-34-S	EPA 3010	263196	EPA 6010	263303
40154013011	SB-35-S	EPA 3010	263196	EPA 6010	263303
40154013012	SB-36-S	EPA 3010	263196	EPA 6010	263303
40154013001	SB-28-S	EPA 7470	263467	EPA 7470	263507
40154013002	SB-31-D	EPA 7470	263467	EPA 7470	263507
40154013003	SB-30-S	EPA 7470	263467	EPA 7470	263507
40154013004	SB-27-S	EPA 7470	263467	EPA 7470	263507
40154013005	SB-32-S	EPA 7470	263467	EPA 7470	263507
40154013006	SB-26-S	EPA 7470	263467	EPA 7470	263507
40154013007	SB-31-S	EPA 7470	263467	EPA 7470	263507
40154013008	SB-27-D	EPA 7470	263467	EPA 7470	263507
40154013009	SB-53-S	EPA 7470	263467	EPA 7470	263507
40154013010	SB-34-S	EPA 7470	263467	EPA 7470	263507
40154013011	SB-35-S	EPA 7470	263467	EPA 7470	263507
40154013012	SB-36-S	EPA 7470	263467	EPA 7470	263507
40154013013	SB-35, 3.5-4.5	EPA 7471	264196	EPA 7471	264292
40154013013	SB-35, 3.5-4.5	EPA 3546	262984	EPA 8270	263032
40154013001	SB-28-S	EPA 3510	263151	EPA 8270	263229
40154013002	SB-31-D	EPA 3510	263151	EPA 8270	263229
40154013003	SB-30-S	EPA 3510	263151	EPA 8270	263229
40154013004	SB-27-S	EPA 3510	263151	EPA 8270	263229
40154013005	SB-32-S	EPA 3510	263151	EPA 8270	263229
40154013006	SB-26-S	EPA 3510	263151	EPA 8270	263229
40154013007	SB-31-S	EPA 3510	263151	EPA 8270	263229
40154013008	SB-27-D	EPA 3510	263409	EPA 8270	263499
40154013009	SB-53-S	EPA 3510	263409	EPA 8270	263499
40154013010	SB-34-S	EPA 3510	263409	EPA 8270	263499
40154013011	SB-35-S	EPA 3510	263409	EPA 8270	263499
40154013012	SB-36-S	EPA 3510	263409	EPA 8270	263499
40154013013	SB-35, 3.5-4.5	EPA 5035/5030B	263188	EPA 8260	263189
40154013001	SB-28-S	EPA 8260	262959		
40154013002	SB-31-D	EPA 8260	262959		
40154013003	SB-30-S	EPA 8260	262959		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0403363 KRAFT

Pace Project No.: 40154013

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40154013004	SB-27-S	EPA 8260	262959		
40154013005	SB-32-S	EPA 8260	262959		
40154013006	SB-26-S	EPA 8260	262959		
40154013007	SB-31-S	EPA 8260	262959		
40154013008	SB-27-D	EPA 8260	262959		
40154013009	SB-53-S	EPA 8260	262959		
40154013010	SB-34-S	EPA 8260	262959		
40154013011	SB-35-S	EPA 8260	262959		
40154013012	SB-36-S	EPA 8260	262959		
40154013014	TB	EPA 8260	262959		
40154013013	SB-35, 3.5-4.5	ASTM D2974-87	263122		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)



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CHAIN OF CUSTODY

A=None B=HCL C=H2SO4 ¹Preservation Codes
 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

40154013

Company Name: ERM
 Branch/Location: Blond, MI / Mlake use
 Project Contact: Andrew Dewitt / David Bowe
 Phone: 616-443-8634
 Project Number: 04033603
 Project Name: KRAA
 Project State: WI
 Sampled By (Print): Andrew Dewitt / David De Groot
 Sampled By (Sign): ADW
 PO #: _____
 Regulatory Program: _____

Data Package Options
 EPA Level III On your sample (billable)
 EPA Level IV NOT needed on your sample
Matrix Codes
 A = Air B = Biota W = Water
 C = Charcoal D = Drinking Water DW = Drinking Water
 O = Oil E = Ground Water GW = Ground Water
 S = Soil F = Surface Water SW = Surface Water
 SI = Sludge WP = Waste Water WP = Waste Water

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Analyses Requested			
					V/I/N	Pick Label		
001	SB-28-S	7/24/12	17:15	GW				
002	SB-31-D	7/24/12	16:55					
003	SB-30-S	7/24/12	16:40					
004	SB-22-S	7/24/12	16:00					
005	SB-32-S	7/24/12	15:20					
006	SB-26-S	7/24/12	13:50					
007	SB-31-S	7/24/12	14:30					
008	SB-27-D	7/27/12	9:10					
009	SB-53-S	7/27/12	10:15					
010	SB-34-S	7/27/12	11:00					
011	SB-35-S	7/27/12	11:25					
012	SB-36-S	7/27/12	12:05					
013	SB-35 35-45	7/27/12	6:45	S	X	X	X	X

Filtered? (YES/NO)
Preservation (CODE)

Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

Invoice To Contact: Andrew Dewitt
 Invoice To Company: ERM
 Invoice To Address: 3352 128th Ave
Blond, MI
 Invoice To Phone: _____

CLIENT COMMENTS: 28-1 Lag A
 LAB COMMENTS (Lab Use Only): 1-350 ml p D 340 ml p D

Cooler Custody Seal Present / Not Present
 Intact / Not Intact

Samples on HOLD are subject to special pricing and release of liability
 OLB = 07B In shipment Lab added to CA 7/28/12 SWD
 ORIGINAL R. Howell

Sample Condition Upon Receipt

Pace Analytical Services, LLC. - Green Bay WI
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical

Client Name: ERM

Project #:

WO#: **40154013**

Courier: Fed Ex UPS Client Pace Other CS Logistics

Tracking #: 596072717



Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ROT Corr: _____ Biological Tissue is Frozen: yes

Temp Blank Present: yes no no

Person examining contents:
Date: 7-28-17
Initials: SW

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. <u>Original and a copy</u>	<u>7-28-17</u>
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	<u>SW</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:	
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Sufficient Volume:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8. <u>No MS/MSD Volume</u>	<u>7-28-17</u>
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	<u>SW</u>
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.	
-Includes date/time/ID/Analysis Matrix:	<u>W</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.	<input checked="" type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤ 2; NaOH+ZnAct ≥ 9, NaOH ≥ 12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
exception: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	initial when completed	Lab Std #/ID of preservative
Headspace in VOA Vials (>6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.	<u>003 - 3 vials, 002 - 3; 006 - 2; 007 - 3.</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.	<u>In shipment Lab added</u>
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		<u>to COC</u>
Pace Trip Blank Lot # (if purchased):	<u>383</u>		<u>7-28-17</u>

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: AL for DM

Date: 7-28-17

August 11, 2017

Andrew DeWitt
ERM, Inc.
3352 128th Avenue
Holland, MI 49424

RE: Project: 0403363 KRAFT
Pace Project No.: 40154096

Dear Andrew DeWitt:

Enclosed are the analytical results for sample(s) received by the laboratory on July 29, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Carl Stay, ERM, Inc.
David deCourcy-Bower, ERM, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 0403363 KRAFT

Pace Project No.: 40154096

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40154096001	SB-37-S	Water	07/27/17 14:10	07/29/17 08:20
40154096002	SB-36-D	Water	07/27/17 15:20	07/29/17 08:20
40154096003	SB-37-D	Water	07/27/17 16:05	07/29/17 08:20
40154096004	SB-38-S	Water	07/27/17 16:40	07/29/17 08:20
40154096005	SB-33-S	Water	07/28/17 09:45	07/29/17 08:20
40154096006	SB-52-S	Water	07/28/17 10:50	07/29/17 08:20
40154096007	SB-29-S	Water	07/28/17 11:30	07/29/17 08:20
40154096008	SB-38, 8-10	Solid	07/27/17 16:35	07/29/17 08:20
40154096009	SB-33, 2.5-3	Solid	07/28/17 09:30	07/29/17 08:20
40154096010	SB-52, 4-5	Solid	07/28/17 10:15	07/29/17 08:20
40154096011	SB-29, 2-2.5	Solid	07/28/17 11:20	07/29/17 08:20
40154096012	TRIP BLANK	Water	07/28/17 00:00	07/29/17 08:20

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 0403363 KRAFT
Pace Project No.: 40154096

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40154096001	SB-37-S	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	MDS	64	PASI-G
40154096002	SB-36-D	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	MDS	64	PASI-G
40154096003	SB-37-D	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	MDS	64	PASI-G
40154096004	SB-38-S	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	MDS	64	PASI-G
40154096005	SB-33-S	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	MDS	64	PASI-G
40154096006	SB-52-S	EPA 6010	DLB	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	MDS	64	PASI-G
40154096007	SB-29-S	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	MDS	64	PASI-G
40154096008	SB-38, 8-10	EPA 8082	BLM	10	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	SMT	64	PASI-G
40154096009	SB-33, 2.5-3	ASTM D2974-87	KTS	1	PASI-G
		EPA 8082	BLM	10	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 0403363 KRAFT

Pace Project No.: 40154096

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40154096010	SB-52, 4-5	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
40154096011	SB-29, 2-2.5	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
		EPA 8082	BDS	10	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
40154096012	TRIP BLANK	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
		EPA 8260	MDS	64	PASI-G

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SUMMARY OF DETECTION

Project: 0403363 KRAFT

Pace Project No.: 40154096

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40154096001	SB-37-S					
EPA 6010	Arsenic	17.6J	ug/L	25.0	08/02/17 14:27	
EPA 6010	Barium	93.4	ug/L	5.0	08/02/17 14:27	
EPA 6010	Chromium	5.4J	ug/L	10.0	08/02/17 14:27	
EPA 6010	Lead	7.5J	ug/L	13.0	08/02/17 14:27	
EPA 8270	bis(2-Ethylhexyl)phthalate	1.8J	ug/L	2.2	08/03/17 18:31	
40154096002	SB-36-D					
EPA 6010	Arsenic	25.8	ug/L	25.0	08/02/17 14:29	
EPA 6010	Barium	316	ug/L	5.0	08/02/17 14:29	
EPA 6010	Chromium	64.0	ug/L	10.0	08/02/17 14:29	
EPA 6010	Lead	38.8	ug/L	13.0	08/02/17 14:29	
EPA 8270	bis(2-Ethylhexyl)phthalate	1.8J	ug/L	2.2	08/03/17 18:52	
40154096003	SB-37-D					
EPA 6010	Arsenic	19.8J	ug/L	25.0	08/02/17 14:32	
EPA 6010	Barium	124	ug/L	5.0	08/02/17 14:32	
EPA 6010	Chromium	180	ug/L	10.0	08/02/17 14:32	
EPA 6010	Lead	29.8	ug/L	13.0	08/02/17 14:32	
40154096004	SB-38-S					
EPA 6010	Arsenic	51.5	ug/L	25.0	08/02/17 14:34	
EPA 6010	Barium	279	ug/L	5.0	08/02/17 14:34	
EPA 6010	Chromium	3.2J	ug/L	10.0	08/02/17 14:34	
EPA 8270	Fluoranthene	12.3J	ug/L	35.8	08/04/17 11:51	
40154096005	SB-33-S					
EPA 6010	Barium	340	ug/L	5.0	08/02/17 14:37	
EPA 6010	Chromium	14.2	ug/L	10.0	08/02/17 14:37	
EPA 6010	Lead	11.2J	ug/L	13.0	08/02/17 14:37	
EPA 8270	bis(2-Ethylhexyl)phthalate	0.86J	ug/L	2.3	08/04/17 09:01	
40154096006	SB-52-S					
EPA 6010	Lead	18.9	ug/L	13.0	08/02/17 14:39	
EPA 8270 by HVI	Acenaphthene	0.014J	ug/L	0.029	08/03/17 19:52	
EPA 8270 by HVI	Benzo(a)anthracene	0.26	ug/L	0.036	08/03/17 19:52	
EPA 8270 by HVI	Benzo(a)pyrene	0.39	ug/L	0.051	08/03/17 19:52	
EPA 8270 by HVI	Benzo(b)fluoranthene	0.45	ug/L	0.028	08/03/17 19:52	
EPA 8270 by HVI	Benzo(g,h,i)perylene	0.27	ug/L	0.033	08/03/17 19:52	
EPA 8270 by HVI	Benzo(k)fluoranthene	0.24	ug/L	0.036	08/03/17 19:52	
EPA 8270 by HVI	Chrysene	0.48	ug/L	0.063	08/03/17 19:52	
EPA 8270 by HVI	Dibenz(a,h)anthracene	0.045J	ug/L	0.048	08/03/17 19:52	
EPA 8270 by HVI	Fluoranthene	0.61	ug/L	0.051	08/03/17 19:52	
EPA 8270 by HVI	Fluorene	0.012J	ug/L	0.038	08/03/17 19:52	
EPA 8270 by HVI	Indeno(1,2,3-cd)pyrene	0.20	ug/L	0.085	08/03/17 19:52	
EPA 8270 by HVI	Phenanthrene	0.21	ug/L	0.066	08/03/17 19:52	
EPA 8270 by HVI	Pyrene	0.55	ug/L	0.037	08/03/17 19:52	
40154096007	SB-29-S					
EPA 6010	Barium	343	ug/L	5.0	08/02/17 14:42	
EPA 6010	Chromium	11.8	ug/L	10.0	08/02/17 14:42	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 0403363 KRAFT

Pace Project No.: 40154096

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40154096007	SB-29-S					
EPA 6010	Lead	271	ug/L	13.0	08/02/17 14:42	
40154096008	SB-38, 8-10					
EPA 8082	PCB-1242 (Aroclor 1242)	45.1J	ug/kg	57.2	08/02/17 19:08	
EPA 8082	PCB, Total	45.1J	ug/kg	57.2	08/02/17 19:08	
EPA 6010	Arsenic	2.8J	mg/kg	5.7	08/01/17 16:14	
EPA 6010	Barium	8.2	mg/kg	0.57	08/01/17 16:14	
EPA 6010	Chromium	4.3	mg/kg	1.1	08/01/17 16:14	
EPA 6010	Lead	2.6	mg/kg	1.5	08/01/17 16:14	
ASTM D2974-87	Percent Moisture	12.5	%	0.10	08/08/17 15:05	
40154096009	SB-33, 2.5-3					
EPA 6010	Arsenic	1.4J	mg/kg	5.8	08/01/17 16:21	
EPA 6010	Barium	19.1	mg/kg	0.58	08/01/17 16:21	
EPA 6010	Chromium	8.8	mg/kg	1.2	08/01/17 16:21	
EPA 6010	Lead	4.5	mg/kg	1.5	08/01/17 16:21	
ASTM D2974-87	Percent Moisture	18.3	%	0.10	08/08/17 15:06	
40154096010	SB-52, 4-5					
EPA 6010	Lead	2.6	mg/kg	1.5	08/01/17 16:23	
EPA 8270 by SIM	Anthracene	11.7J	ug/kg	24.5	08/08/17 17:58	
EPA 8270 by SIM	Benzo(a)anthracene	37.0	ug/kg	13.7	08/08/17 17:58	
EPA 8270 by SIM	Benzo(a)pyrene	41.3	ug/kg	10.8	08/08/17 17:58	
EPA 8270 by SIM	Benzo(b)fluoranthene	31.6	ug/kg	12.1	08/08/17 17:58	
EPA 8270 by SIM	Benzo(g,h,i)perylene	30.9	ug/kg	8.7	08/08/17 17:58	
EPA 8270 by SIM	Benzo(k)fluoranthene	40.2	ug/kg	10.8	08/08/17 17:58	
EPA 8270 by SIM	Chrysene	40.0	ug/kg	14.4	08/08/17 17:58	
EPA 8270 by SIM	Dibenz(a,h)anthracene	9.4J	ug/kg	9.6	08/08/17 17:58	
EPA 8270 by SIM	Fluoranthene	85.8	ug/kg	22.4	08/08/17 17:58	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	26.0	ug/kg	9.5	08/08/17 17:58	
EPA 8270 by SIM	Phenanthrene	45.1J	ug/kg	50.0	08/08/17 17:58	
EPA 8270 by SIM	Pyrene	67.7	ug/kg	19.3	08/08/17 17:58	
EPA 8260	Methylene Chloride	34.0J	ug/kg	77.5	08/02/17 15:48	
ASTM D2974-87	Percent Moisture	22.5	%	0.10	07/31/17 16:12	
40154096011	SB-29, 2-2.5					
EPA 6010	Arsenic	20.7J	mg/kg	28.8	08/02/17 09:08	D3
EPA 6010	Barium	299	mg/kg	0.58	08/01/17 16:26	
EPA 6010	Cadmium	0.85J	mg/kg	2.9	08/02/17 09:08	D3
EPA 6010	Chromium	20.5	mg/kg	1.2	08/01/17 16:26	
EPA 6010	Lead	242	mg/kg	7.5	08/02/17 09:08	
EPA 6010	Silver	0.69J	mg/kg	1.2	08/01/17 16:26	
EPA 7471	Mercury	0.16	mg/kg	0.045	08/11/17 13:13	
EPA 8270	2-Methylnaphthalene	249	ug/kg	183	08/04/17 16:06	
EPA 8270	Acenaphthene	141J	ug/kg	250	08/04/17 16:06	
EPA 8270	Anthracene	281	ug/kg	113	08/04/17 16:06	
EPA 8270	Benzo(a)anthracene	603	ug/kg	109	08/04/17 16:06	
EPA 8270	Benzo(a)pyrene	642	ug/kg	106	08/04/17 16:06	
EPA 8270	Benzo(b)fluoranthene	737	ug/kg	121	08/04/17 16:06	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 0403363 KRAFT

Pace Project No.: 40154096

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40154096011	SB-29, 2-2.5					
EPA 8270	Benzo(g,h,i)perylene	455	ug/kg	184	08/04/17 16:06	
EPA 8270	Benzo(k)fluoranthene	266	ug/kg	169	08/04/17 16:06	
EPA 8270	Carbazole	125	ug/kg	110	08/04/17 16:06	
EPA 8270	Chrysene	614	ug/kg	105	08/04/17 16:06	
EPA 8270	Dibenz(a,h)anthracene	94.1J	ug/kg	191	08/04/17 16:06	
EPA 8270	Dibenzofuran	66.4J	ug/kg	85.2	08/04/17 16:06	
EPA 8270	Fluoranthene	1580	ug/kg	99.7	08/04/17 16:06	
EPA 8270	Fluorene	140	ug/kg	82.3	08/04/17 16:06	
EPA 8270	Indeno(1,2,3-cd)pyrene	477	ug/kg	152	08/04/17 16:06	
EPA 8270	Naphthalene	352	ug/kg	246	08/04/17 16:06	
EPA 8270	Phenanthrene	1240	ug/kg	90.3	08/04/17 16:06	
EPA 8270	Pyrene	1310	ug/kg	156	08/04/17 16:06	
ASTM D2974-87	Percent Moisture	21.0	%	0.10	07/31/17 16:12	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT
Pace Project No.: 40154096

Sample: SB-37-S Lab ID: 40154096001 Collected: 07/27/17 14:10 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	17.6J	ug/L	25.0	8.3	1	08/01/17 11:54	08/02/17 14:27	7440-38-2	
Barium	93.4	ug/L	5.0	1.5	1	08/01/17 11:54	08/02/17 14:27	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/01/17 11:54	08/02/17 14:27	7440-43-9	
Chromium	5.4J	ug/L	10.0	2.5	1	08/01/17 11:54	08/02/17 14:27	7440-47-3	
Lead	7.5J	ug/L	13.0	4.3	1	08/01/17 11:54	08/02/17 14:27	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/01/17 11:54	08/02/17 14:27	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/01/17 11:54	08/02/17 14:27	7440-22-4	
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	<0.13	ug/L	0.42	0.13	1	08/07/17 12:30	08/08/17 08:21	7439-97-6	
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,2,4-Trichlorobenzene	<1.9	ug/L	6.5	1.9	1	08/03/17 08:01	08/03/17 18:31	120-82-1	
1,2-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/03/17 08:01	08/03/17 18:31	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 18:31	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 18:31	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	4.8	1.5	1	08/03/17 08:01	08/03/17 18:31	108-60-1	
2,4,5-Trichlorophenol	<0.80	ug/L	2.7	0.80	1	08/03/17 08:01	08/03/17 18:31	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.7	2.0	1	08/03/17 08:01	08/03/17 18:31	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/03/17 18:31	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.0	1.2	1	08/03/17 08:01	08/03/17 18:31	105-67-9	
2,4-Dinitrophenol	<0.68	ug/L	2.3	0.68	1	08/03/17 08:01	08/03/17 18:31	51-28-5	
2,4-Dinitrotoluene	<0.75	ug/L	2.5	0.75	1	08/03/17 08:01	08/03/17 18:31	121-14-2	
2,6-Dinitrotoluene	<0.57	ug/L	1.9	0.57	1	08/03/17 08:01	08/03/17 18:31	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.2	1.6	1	08/03/17 08:01	08/03/17 18:31	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.7	1.1	1	08/03/17 08:01	08/03/17 18:31	95-57-8	
2-Methylnaphthalene	<1.4	ug/L	4.8	1.4	1	08/03/17 08:01	08/03/17 18:31	91-57-6	
2-Methylphenol(o-Cresol)	<0.83	ug/L	2.8	0.83	1	08/03/17 08:01	08/03/17 18:31	95-48-7	
2-Nitroaniline	<0.74	ug/L	2.5	0.74	1	08/03/17 08:01	08/03/17 18:31	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/03/17 08:01	08/03/17 18:31	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.0	1.5	1	08/03/17 08:01	08/03/17 18:31		
3,3'-Dichlorobenzidine	<0.86	ug/L	2.9	0.86	1	08/03/17 08:01	08/03/17 18:31	91-94-1	
3-Nitroaniline	<0.92	ug/L	3.1	0.92	1	08/03/17 08:01	08/03/17 18:31	99-09-2	
4,6-Dinitro-2-methylphenol	<0.62	ug/L	2.1	0.62	1	08/03/17 08:01	08/03/17 18:31	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.3	1.9	1	08/03/17 08:01	08/03/17 18:31	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.4	1.6	1	08/03/17 08:01	08/03/17 18:31	59-50-7	
4-Chloroaniline	<1.0	ug/L	3.5	1.0	1	08/03/17 08:01	08/03/17 18:31	106-47-8	
4-Chlorophenylphenyl ether	<0.78	ug/L	2.6	0.78	1	08/03/17 08:01	08/03/17 18:31	7005-72-3	
4-Nitroaniline	<1.7	ug/L	5.8	1.7	1	08/03/17 08:01	08/03/17 18:31	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.3	1.0	1	08/03/17 08:01	08/03/17 18:31	100-02-7	
Acenaphthene	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/03/17 18:31	83-32-9	
Acenaphthylene	<1.0	ug/L	3.4	1.0	1	08/03/17 08:01	08/03/17 18:31	208-96-8	
Anthracene	<1.7	ug/L	5.7	1.7	1	08/03/17 08:01	08/03/17 18:31	120-12-7	
Benzo(a)anthracene	<0.51	ug/L	1.7	0.51	1	08/03/17 08:01	08/03/17 18:31	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 18:31	50-32-8	
Benzo(b)fluoranthene	<0.62	ug/L	2.1	0.62	1	08/03/17 08:01	08/03/17 18:31	205-99-2	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-37-S **Lab ID: 40154096001** Collected: 07/27/17 14:10 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.77	ug/L	2.6	0.77	1	08/03/17 08:01	08/03/17 18:31	191-24-2	
Benzo(k)fluoranthene	<0.95	ug/L	3.2	0.95	1	08/03/17 08:01	08/03/17 18:31	207-08-9	
Butylbenzylphthalate	<0.74	ug/L	2.5	0.74	1	08/03/17 08:01	08/03/17 18:31	85-68-7	
Carbazole	<0.71	ug/L	2.4	0.71	1	08/03/17 08:01	08/03/17 18:31	86-74-8	
Chrysene	<1.7	ug/L	5.5	1.7	1	08/03/17 08:01	08/03/17 18:31	218-01-9	
Di-n-butylphthalate	<2.4	ug/L	8.1	2.4	1	08/03/17 08:01	08/03/17 18:31	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 18:31	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.2	1.3	1	08/03/17 08:01	08/03/17 18:31	53-70-3	
Dibenzofuran	<0.73	ug/L	2.4	0.73	1	08/03/17 08:01	08/03/17 18:31	132-64-9	
Diethylphthalate	<1.0	ug/L	3.4	1.0	1	08/03/17 08:01	08/03/17 18:31	84-66-2	
Dimethylphthalate	<1.8	ug/L	6.1	1.8	1	08/03/17 08:01	08/03/17 18:31	131-11-3	
Fluoranthene	<0.54	ug/L	1.8	0.54	1	08/03/17 08:01	08/03/17 18:31	206-44-0	
Fluorene	<0.71	ug/L	2.4	0.71	1	08/03/17 08:01	08/03/17 18:31	86-73-7	
Hexachloro-1,3-butadiene	<2.3	ug/L	7.8	2.3	1	08/03/17 08:01	08/03/17 18:31	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.4	1.6	1	08/03/17 08:01	08/03/17 18:31	118-74-1	
Hexachlorocyclopentadiene	<0.65	ug/L	2.2	0.65	1	08/03/17 08:01	08/03/17 18:31	77-47-4	
Hexachloroethane	<2.5	ug/L	8.4	2.5	1	08/03/17 08:01	08/03/17 18:31	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.8	1.4	1	08/03/17 08:01	08/03/17 18:31	193-39-5	
Isophorone	<0.70	ug/L	2.3	0.70	1	08/03/17 08:01	08/03/17 18:31	78-59-1	
N-Nitroso-di-n-propylamine	<0.92	ug/L	3.1	0.92	1	08/03/17 08:01	08/03/17 18:31	621-64-7	
N-Nitrosodiphenylamine	<3.4	ug/L	11.2	3.4	1	08/03/17 08:01	08/03/17 18:31	86-30-6	
Naphthalene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 18:31	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/03/17 08:01	08/03/17 18:31	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.6	1.4	1	08/03/17 08:01	08/03/17 18:31	87-86-5	
Phenanthrene	<1.7	ug/L	5.8	1.7	1	08/03/17 08:01	08/03/17 18:31	85-01-8	
Phenol	<0.57	ug/L	1.9	0.57	1	08/03/17 08:01	08/03/17 18:31	108-95-2	
Pyrene	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/03/17 18:31	129-00-0	
bis(2-Chloroethoxy)methane	<0.95	ug/L	3.2	0.95	1	08/03/17 08:01	08/03/17 18:31	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.0	1.5	1	08/03/17 08:01	08/03/17 18:31	111-44-4	
bis(2-Ethylhexyl)phthalate	1.8J	ug/L	2.2	0.66	1	08/03/17 08:01	08/03/17 18:31	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	84	%	53-100		1	08/03/17 08:01	08/03/17 18:31	4165-60-0	
2-Fluorobiphenyl (S)	74	%	59-109		1	08/03/17 08:01	08/03/17 18:31	321-60-8	
Terphenyl-d14 (S)	84	%	59-108		1	08/03/17 08:01	08/03/17 18:31	1718-51-0	
Phenol-d6 (S)	30	%	18-120		1	08/03/17 08:01	08/03/17 18:31	13127-88-3	
2-Fluorophenol (S)	47	%	27-67		1	08/03/17 08:01	08/03/17 18:31	367-12-4	
2,4,6-Tribromophenol (S)	99	%	65-140		1	08/03/17 08:01	08/03/17 18:31	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/01/17 18:21	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/01/17 18:21	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/01/17 18:21	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	104-51-8	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-37-S **Lab ID: 40154096001** Collected: 07/27/17 14:10 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/01/17 18:21	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/01/17 18:21	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/01/17 18:21	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/01/17 18:21	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/01/17 18:21	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/01/17 18:21	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/01/17 18:21	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/01/17 18:21	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/01/17 18:21	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/01/17 18:21	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/01/17 18:21	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/01/17 18:21	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/01/17 18:21	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/01/17 18:21	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/01/17 18:21	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/01/17 18:21	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/01/17 18:21	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/01/17 18:21	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/01/17 18:21	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/01/17 18:21	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/01/17 18:21	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/01/17 18:21	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/01/17 18:21	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/01/17 18:21	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/01/17 18:21	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/01/17 18:21	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/01/17 18:21	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/01/17 18:21	79-00-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-37-S **Lab ID: 40154096001** Collected: 07/27/17 14:10 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/01/17 18:21	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/01/17 18:21	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/01/17 18:21	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/01/17 18:21	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/01/17 18:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	61-130		1		08/01/17 18:21	460-00-4	
Dibromofluoromethane (S)	107	%	67-130		1		08/01/17 18:21	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		08/01/17 18:21	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-36-D **Lab ID: 40154096002** Collected: 07/27/17 15:20 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	25.8	ug/L	25.0	8.3	1	08/01/17 11:54	08/02/17 14:29	7440-38-2	
Barium	316	ug/L	5.0	1.5	1	08/01/17 11:54	08/02/17 14:29	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/01/17 11:54	08/02/17 14:29	7440-43-9	
Chromium	64.0	ug/L	10.0	2.5	1	08/01/17 11:54	08/02/17 14:29	7440-47-3	
Lead	38.8	ug/L	13.0	4.3	1	08/01/17 11:54	08/02/17 14:29	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/01/17 11:54	08/02/17 14:29	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/01/17 11:54	08/02/17 14:29	7440-22-4	
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	<0.13	ug/L	0.42	0.13	1	08/07/17 12:30	08/08/17 08:23	7439-97-6	
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,2,4-Trichlorobenzene	<1.9	ug/L	6.5	1.9	1	08/03/17 08:01	08/03/17 18:52	120-82-1	
1,2-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/03/17 08:01	08/03/17 18:52	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 18:52	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 18:52	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	4.8	1.5	1	08/03/17 08:01	08/03/17 18:52	108-60-1	
2,4,5-Trichlorophenol	<0.80	ug/L	2.7	0.80	1	08/03/17 08:01	08/03/17 18:52	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.7	2.0	1	08/03/17 08:01	08/03/17 18:52	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/03/17 18:52	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.0	1.2	1	08/03/17 08:01	08/03/17 18:52	105-67-9	
2,4-Dinitrophenol	<0.68	ug/L	2.3	0.68	1	08/03/17 08:01	08/03/17 18:52	51-28-5	
2,4-Dinitrotoluene	<0.75	ug/L	2.5	0.75	1	08/03/17 08:01	08/03/17 18:52	121-14-2	
2,6-Dinitrotoluene	<0.57	ug/L	1.9	0.57	1	08/03/17 08:01	08/03/17 18:52	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.2	1.6	1	08/03/17 08:01	08/03/17 18:52	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.7	1.1	1	08/03/17 08:01	08/03/17 18:52	95-57-8	
2-Methylnaphthalene	<1.4	ug/L	4.8	1.4	1	08/03/17 08:01	08/03/17 18:52	91-57-6	
2-Methylphenol(o-Cresol)	<0.83	ug/L	2.8	0.83	1	08/03/17 08:01	08/03/17 18:52	95-48-7	
2-Nitroaniline	<0.74	ug/L	2.5	0.74	1	08/03/17 08:01	08/03/17 18:52	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/03/17 08:01	08/03/17 18:52	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.0	1.5	1	08/03/17 08:01	08/03/17 18:52		
3,3'-Dichlorobenzidine	<0.86	ug/L	2.9	0.86	1	08/03/17 08:01	08/03/17 18:52	91-94-1	
3-Nitroaniline	<0.92	ug/L	3.1	0.92	1	08/03/17 08:01	08/03/17 18:52	99-09-2	
4,6-Dinitro-2-methylphenol	<0.62	ug/L	2.1	0.62	1	08/03/17 08:01	08/03/17 18:52	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.3	1.9	1	08/03/17 08:01	08/03/17 18:52	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.4	1.6	1	08/03/17 08:01	08/03/17 18:52	59-50-7	
4-Chloroaniline	<1.0	ug/L	3.5	1.0	1	08/03/17 08:01	08/03/17 18:52	106-47-8	
4-Chlorophenylphenyl ether	<0.78	ug/L	2.6	0.78	1	08/03/17 08:01	08/03/17 18:52	7005-72-3	
4-Nitroaniline	<1.7	ug/L	5.8	1.7	1	08/03/17 08:01	08/03/17 18:52	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.3	1.0	1	08/03/17 08:01	08/03/17 18:52	100-02-7	
Acenaphthene	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/03/17 18:52	83-32-9	
Acenaphthylene	<1.0	ug/L	3.4	1.0	1	08/03/17 08:01	08/03/17 18:52	208-96-8	
Anthracene	<1.7	ug/L	5.7	1.7	1	08/03/17 08:01	08/03/17 18:52	120-12-7	
Benzo(a)anthracene	<0.51	ug/L	1.7	0.51	1	08/03/17 08:01	08/03/17 18:52	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 18:52	50-32-8	
Benzo(b)fluoranthene	<0.62	ug/L	2.1	0.62	1	08/03/17 08:01	08/03/17 18:52	205-99-2	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-36-D **Lab ID: 40154096002** Collected: 07/27/17 15:20 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.77	ug/L	2.6	0.77	1	08/03/17 08:01	08/03/17 18:52	191-24-2	
Benzo(k)fluoranthene	<0.95	ug/L	3.2	0.95	1	08/03/17 08:01	08/03/17 18:52	207-08-9	
Butylbenzylphthalate	<0.74	ug/L	2.5	0.74	1	08/03/17 08:01	08/03/17 18:52	85-68-7	
Carbazole	<0.71	ug/L	2.4	0.71	1	08/03/17 08:01	08/03/17 18:52	86-74-8	
Chrysene	<1.7	ug/L	5.5	1.7	1	08/03/17 08:01	08/03/17 18:52	218-01-9	
Di-n-butylphthalate	<2.4	ug/L	8.1	2.4	1	08/03/17 08:01	08/03/17 18:52	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 18:52	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.2	1.3	1	08/03/17 08:01	08/03/17 18:52	53-70-3	
Dibenzofuran	<0.73	ug/L	2.4	0.73	1	08/03/17 08:01	08/03/17 18:52	132-64-9	
Diethylphthalate	<1.0	ug/L	3.4	1.0	1	08/03/17 08:01	08/03/17 18:52	84-66-2	
Dimethylphthalate	<1.8	ug/L	6.1	1.8	1	08/03/17 08:01	08/03/17 18:52	131-11-3	
Fluoranthene	<0.54	ug/L	1.8	0.54	1	08/03/17 08:01	08/03/17 18:52	206-44-0	
Fluorene	<0.71	ug/L	2.4	0.71	1	08/03/17 08:01	08/03/17 18:52	86-73-7	
Hexachloro-1,3-butadiene	<2.3	ug/L	7.8	2.3	1	08/03/17 08:01	08/03/17 18:52	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.4	1.6	1	08/03/17 08:01	08/03/17 18:52	118-74-1	
Hexachlorocyclopentadiene	<0.65	ug/L	2.2	0.65	1	08/03/17 08:01	08/03/17 18:52	77-47-4	
Hexachloroethane	<2.5	ug/L	8.4	2.5	1	08/03/17 08:01	08/03/17 18:52	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.8	1.4	1	08/03/17 08:01	08/03/17 18:52	193-39-5	
Isophorone	<0.70	ug/L	2.3	0.70	1	08/03/17 08:01	08/03/17 18:52	78-59-1	
N-Nitroso-di-n-propylamine	<0.92	ug/L	3.1	0.92	1	08/03/17 08:01	08/03/17 18:52	621-64-7	
N-Nitrosodiphenylamine	<3.4	ug/L	11.2	3.4	1	08/03/17 08:01	08/03/17 18:52	86-30-6	
Naphthalene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/03/17 18:52	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/03/17 08:01	08/03/17 18:52	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.6	1.4	1	08/03/17 08:01	08/03/17 18:52	87-86-5	
Phenanthrene	<1.7	ug/L	5.8	1.7	1	08/03/17 08:01	08/03/17 18:52	85-01-8	
Phenol	<0.57	ug/L	1.9	0.57	1	08/03/17 08:01	08/03/17 18:52	108-95-2	
Pyrene	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/03/17 18:52	129-00-0	
bis(2-Chloroethoxy)methane	<0.95	ug/L	3.2	0.95	1	08/03/17 08:01	08/03/17 18:52	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.0	1.5	1	08/03/17 08:01	08/03/17 18:52	111-44-4	
bis(2-Ethylhexyl)phthalate	1.8J	ug/L	2.2	0.66	1	08/03/17 08:01	08/03/17 18:52	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	88	%	53-100		1	08/03/17 08:01	08/03/17 18:52	4165-60-0	
2-Fluorobiphenyl (S)	71	%	59-109		1	08/03/17 08:01	08/03/17 18:52	321-60-8	
Terphenyl-d14 (S)	101	%	59-108		1	08/03/17 08:01	08/03/17 18:52	1718-51-0	
Phenol-d6 (S)	34	%	18-120		1	08/03/17 08:01	08/03/17 18:52	13127-88-3	
2-Fluorophenol (S)	54	%	27-67		1	08/03/17 08:01	08/03/17 18:52	367-12-4	
2,4,6-Tribromophenol (S)	110	%	65-140		1	08/03/17 08:01	08/03/17 18:52	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/01/17 17:59	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/01/17 17:59	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/01/17 17:59	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	104-51-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: **SB-36-D** Lab ID: **40154096002** Collected: 07/27/17 15:20 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/01/17 17:59	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/01/17 17:59	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/01/17 17:59	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/01/17 17:59	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/01/17 17:59	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/01/17 17:59	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/01/17 17:59	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/01/17 17:59	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/01/17 17:59	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/01/17 17:59	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/01/17 17:59	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/01/17 17:59	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/01/17 17:59	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/01/17 17:59	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/01/17 17:59	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/01/17 17:59	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/01/17 17:59	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/01/17 17:59	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/01/17 17:59	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/01/17 17:59	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/01/17 17:59	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/01/17 17:59	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/01/17 17:59	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/01/17 17:59	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/01/17 17:59	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/01/17 17:59	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/01/17 17:59	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/01/17 17:59	79-00-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-36-D **Lab ID: 40154096002** Collected: 07/27/17 15:20 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/01/17 17:59	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/01/17 17:59	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/01/17 17:59	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/01/17 17:59	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:59	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	61-130		1		08/01/17 17:59	460-00-4	
Dibromofluoromethane (S)	105	%	67-130		1		08/01/17 17:59	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		08/01/17 17:59	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT
Pace Project No.: 40154096

Sample: SB-37-D **Lab ID: 40154096003** Collected: 07/27/17 16:05 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	19.8J	ug/L	25.0	8.3	1	08/01/17 11:54	08/02/17 14:32	7440-38-2	
Barium	124	ug/L	5.0	1.5	1	08/01/17 11:54	08/02/17 14:32	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/01/17 11:54	08/02/17 14:32	7440-43-9	
Chromium	180	ug/L	10.0	2.5	1	08/01/17 11:54	08/02/17 14:32	7440-47-3	
Lead	29.8	ug/L	13.0	4.3	1	08/01/17 11:54	08/02/17 14:32	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/01/17 11:54	08/02/17 14:32	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/01/17 11:54	08/02/17 14:32	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.13	ug/L	0.42	0.13	1	08/07/17 12:30	08/08/17 08:25	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,2,4-Trichlorobenzene	<1.9	ug/L	6.5	1.9	1	08/03/17 08:01	08/04/17 08:40	120-82-1	
1,2-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/03/17 08:01	08/04/17 08:40	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/04/17 08:40	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/04/17 08:40	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	4.8	1.5	1	08/03/17 08:01	08/04/17 08:40	108-60-1	
2,4,5-Trichlorophenol	<0.80	ug/L	2.7	0.80	1	08/03/17 08:01	08/04/17 08:40	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.7	2.0	1	08/03/17 08:01	08/04/17 08:40	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/04/17 08:40	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.0	1.2	1	08/03/17 08:01	08/04/17 08:40	105-67-9	
2,4-Dinitrophenol	<0.68	ug/L	2.3	0.68	1	08/03/17 08:01	08/04/17 08:40	51-28-5	
2,4-Dinitrotoluene	<0.75	ug/L	2.5	0.75	1	08/03/17 08:01	08/04/17 08:40	121-14-2	
2,6-Dinitrotoluene	<0.57	ug/L	1.9	0.57	1	08/03/17 08:01	08/04/17 08:40	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.2	1.6	1	08/03/17 08:01	08/04/17 08:40	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.7	1.1	1	08/03/17 08:01	08/04/17 08:40	95-57-8	
2-Methylnaphthalene	<1.4	ug/L	4.8	1.4	1	08/03/17 08:01	08/04/17 08:40	91-57-6	
2-Methylphenol(o-Cresol)	<0.83	ug/L	2.8	0.83	1	08/03/17 08:01	08/04/17 08:40	95-48-7	
2-Nitroaniline	<0.74	ug/L	2.5	0.74	1	08/03/17 08:01	08/04/17 08:40	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/03/17 08:01	08/04/17 08:40	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.0	1.5	1	08/03/17 08:01	08/04/17 08:40		
3,3'-Dichlorobenzidine	<0.86	ug/L	2.9	0.86	1	08/03/17 08:01	08/04/17 08:40	91-94-1	
3-Nitroaniline	<0.92	ug/L	3.1	0.92	1	08/03/17 08:01	08/04/17 08:40	99-09-2	
4,6-Dinitro-2-methylphenol	<0.62	ug/L	2.1	0.62	1	08/03/17 08:01	08/04/17 08:40	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.3	1.9	1	08/03/17 08:01	08/04/17 08:40	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.4	1.6	1	08/03/17 08:01	08/04/17 08:40	59-50-7	
4-Chloroaniline	<1.0	ug/L	3.5	1.0	1	08/03/17 08:01	08/04/17 08:40	106-47-8	
4-Chlorophenylphenyl ether	<0.78	ug/L	2.6	0.78	1	08/03/17 08:01	08/04/17 08:40	7005-72-3	
4-Nitroaniline	<1.7	ug/L	5.8	1.7	1	08/03/17 08:01	08/04/17 08:40	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.3	1.0	1	08/03/17 08:01	08/04/17 08:40	100-02-7	
Acenaphthene	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/04/17 08:40	83-32-9	
Acenaphthylene	<1.0	ug/L	3.4	1.0	1	08/03/17 08:01	08/04/17 08:40	208-96-8	
Anthracene	<1.7	ug/L	5.7	1.7	1	08/03/17 08:01	08/04/17 08:40	120-12-7	
Benzo(a)anthracene	<0.51	ug/L	1.7	0.51	1	08/03/17 08:01	08/04/17 08:40	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/04/17 08:40	50-32-8	
Benzo(b)fluoranthene	<0.62	ug/L	2.1	0.62	1	08/03/17 08:01	08/04/17 08:40	205-99-2	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-37-D **Lab ID: 40154096003** Collected: 07/27/17 16:05 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.77	ug/L	2.6	0.77	1	08/03/17 08:01	08/04/17 08:40	191-24-2	
Benzo(k)fluoranthene	<0.95	ug/L	3.2	0.95	1	08/03/17 08:01	08/04/17 08:40	207-08-9	
Butylbenzylphthalate	<0.74	ug/L	2.5	0.74	1	08/03/17 08:01	08/04/17 08:40	85-68-7	
Carbazole	<0.71	ug/L	2.4	0.71	1	08/03/17 08:01	08/04/17 08:40	86-74-8	
Chrysene	<1.7	ug/L	5.5	1.7	1	08/03/17 08:01	08/04/17 08:40	218-01-9	
Di-n-butylphthalate	<2.4	ug/L	8.1	2.4	1	08/03/17 08:01	08/04/17 08:40	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/04/17 08:40	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.2	1.3	1	08/03/17 08:01	08/04/17 08:40	53-70-3	
Dibenzofuran	<0.73	ug/L	2.4	0.73	1	08/03/17 08:01	08/04/17 08:40	132-64-9	
Diethylphthalate	<1.0	ug/L	3.4	1.0	1	08/03/17 08:01	08/04/17 08:40	84-66-2	
Dimethylphthalate	<1.8	ug/L	6.1	1.8	1	08/03/17 08:01	08/04/17 08:40	131-11-3	
Fluoranthene	<0.54	ug/L	1.8	0.54	1	08/03/17 08:01	08/04/17 08:40	206-44-0	
Fluorene	<0.71	ug/L	2.4	0.71	1	08/03/17 08:01	08/04/17 08:40	86-73-7	
Hexachloro-1,3-butadiene	<2.3	ug/L	7.8	2.3	1	08/03/17 08:01	08/04/17 08:40	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.4	1.6	1	08/03/17 08:01	08/04/17 08:40	118-74-1	
Hexachlorocyclopentadiene	<0.65	ug/L	2.2	0.65	1	08/03/17 08:01	08/04/17 08:40	77-47-4	
Hexachloroethane	<2.5	ug/L	8.4	2.5	1	08/03/17 08:01	08/04/17 08:40	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.8	1.4	1	08/03/17 08:01	08/04/17 08:40	193-39-5	
Isophorone	<0.70	ug/L	2.3	0.70	1	08/03/17 08:01	08/04/17 08:40	78-59-1	
N-Nitroso-di-n-propylamine	<0.92	ug/L	3.1	0.92	1	08/03/17 08:01	08/04/17 08:40	621-64-7	
N-Nitrosodiphenylamine	<3.4	ug/L	11.2	3.4	1	08/03/17 08:01	08/04/17 08:40	86-30-6	
Naphthalene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/04/17 08:40	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/03/17 08:01	08/04/17 08:40	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.6	1.4	1	08/03/17 08:01	08/04/17 08:40	87-86-5	
Phenanthrene	<1.7	ug/L	5.8	1.7	1	08/03/17 08:01	08/04/17 08:40	85-01-8	
Phenol	<0.57	ug/L	1.9	0.57	1	08/03/17 08:01	08/04/17 08:40	108-95-2	
Pyrene	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/04/17 08:40	129-00-0	
bis(2-Chloroethoxy)methane	<0.95	ug/L	3.2	0.95	1	08/03/17 08:01	08/04/17 08:40	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.0	1.5	1	08/03/17 08:01	08/04/17 08:40	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.66	ug/L	2.2	0.66	1	08/03/17 08:01	08/04/17 08:40	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	91	%	53-100		1	08/03/17 08:01	08/04/17 08:40	4165-60-0	
2-Fluorobiphenyl (S)	85	%	59-109		1	08/03/17 08:01	08/04/17 08:40	321-60-8	
Terphenyl-d14 (S)	96	%	59-108		1	08/03/17 08:01	08/04/17 08:40	1718-51-0	
Phenol-d6 (S)	34	%	18-120		1	08/03/17 08:01	08/04/17 08:40	13127-88-3	
2-Fluorophenol (S)	53	%	27-67		1	08/03/17 08:01	08/04/17 08:40	367-12-4	
2,4,6-Tribromophenol (S)	115	%	65-140		1	08/03/17 08:01	08/04/17 08:40	118-79-6	E
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/01/17 19:28	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/01/17 19:28	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/01/17 19:28	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	104-51-8	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-37-D **Lab ID: 40154096003** Collected: 07/27/17 16:05 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/01/17 19:28	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/01/17 19:28	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/01/17 19:28	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/01/17 19:28	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/01/17 19:28	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/01/17 19:28	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/01/17 19:28	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/01/17 19:28	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/01/17 19:28	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/01/17 19:28	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/01/17 19:28	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/01/17 19:28	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/01/17 19:28	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/01/17 19:28	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/01/17 19:28	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/01/17 19:28	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/01/17 19:28	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/01/17 19:28	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/01/17 19:28	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/01/17 19:28	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/01/17 19:28	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/01/17 19:28	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/01/17 19:28	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/01/17 19:28	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/01/17 19:28	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/01/17 19:28	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/01/17 19:28	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/01/17 19:28	79-00-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-37-D **Lab ID: 40154096003** Collected: 07/27/17 16:05 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/01/17 19:28	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/01/17 19:28	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/01/17 19:28	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/01/17 19:28	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/01/17 19:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	61-130		1		08/01/17 19:28	460-00-4	
Dibromofluoromethane (S)	108	%	67-130		1		08/01/17 19:28	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		08/01/17 19:28	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-38-S **Lab ID: 40154096004** Collected: 07/27/17 16:40 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	51.5	ug/L	25.0	8.3	1	08/01/17 11:54	08/02/17 14:34	7440-38-2	
Barium	279	ug/L	5.0	1.5	1	08/01/17 11:54	08/02/17 14:34	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/01/17 11:54	08/02/17 14:34	7440-43-9	
Chromium	3.2J	ug/L	10.0	2.5	1	08/01/17 11:54	08/02/17 14:34	7440-47-3	
Lead	<4.3	ug/L	13.0	4.3	1	08/01/17 11:54	08/02/17 14:34	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/01/17 11:54	08/02/17 14:34	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/01/17 11:54	08/02/17 14:34	7440-22-4	
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	<0.13	ug/L	0.42	0.13	1	08/07/17 12:30	08/08/17 08:28	7439-97-6	
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,2,4-Trichlorobenzene	<38.8	ug/L	129	38.8	20	08/03/17 08:01	08/04/17 11:51	120-82-1	
1,2-Dichlorobenzene	<36.8	ug/L	123	36.8	20	08/03/17 08:01	08/04/17 11:51	95-50-1	
1,3-Dichlorobenzene	<35.9	ug/L	120	35.9	20	08/03/17 08:01	08/04/17 11:51	541-73-1	
1,4-Dichlorobenzene	<35.8	ug/L	119	35.8	20	08/03/17 08:01	08/04/17 11:51	106-46-7	
2,2'-Oxybis(1-chloropropane)	<29.1	ug/L	96.9	29.1	20	08/03/17 08:01	08/04/17 11:51	108-60-1	
2,4,5-Trichlorophenol	<16.0	ug/L	53.5	16.0	20	08/03/17 08:01	08/04/17 11:51	95-95-4	
2,4,6-Trichlorophenol	<40.2	ug/L	134	40.2	20	08/03/17 08:01	08/04/17 11:51	88-06-2	
2,4-Dichlorophenol	<26.0	ug/L	86.8	26.0	20	08/03/17 08:01	08/04/17 11:51	120-83-2	
2,4-Dimethylphenol	<24.1	ug/L	80.3	24.1	20	08/03/17 08:01	08/04/17 11:51	105-67-9	
2,4-Dinitrophenol	<13.5	ug/L	45.2	13.5	20	08/03/17 08:01	08/04/17 11:51	51-28-5	
2,4-Dinitrotoluene	<15.1	ug/L	50.3	15.1	20	08/03/17 08:01	08/04/17 11:51	121-14-2	
2,6-Dinitrotoluene	<11.5	ug/L	38.3	11.5	20	08/03/17 08:01	08/04/17 11:51	606-20-2	
2-Chloronaphthalene	<31.3	ug/L	104	31.3	20	08/03/17 08:01	08/04/17 11:51	91-58-7	
2-Chlorophenol	<22.0	ug/L	73.4	22.0	20	08/03/17 08:01	08/04/17 11:51	95-57-8	
2-Methylnaphthalene	<28.8	ug/L	96.1	28.8	20	08/03/17 08:01	08/04/17 11:51	91-57-6	
2-Methylphenol(o-Cresol)	<16.5	ug/L	55.1	16.5	20	08/03/17 08:01	08/04/17 11:51	95-48-7	
2-Nitroaniline	<14.7	ug/L	49.1	14.7	20	08/03/17 08:01	08/04/17 11:51	88-74-4	
2-Nitrophenol	<22.2	ug/L	73.9	22.2	20	08/03/17 08:01	08/04/17 11:51	88-75-5	
3&4-Methylphenol(m&p Cresol)	<29.7	ug/L	99.2	29.7	20	08/03/17 08:01	08/04/17 11:51		
3,3'-Dichlorobenzidine	<17.2	ug/L	57.5	17.2	20	08/03/17 08:01	08/04/17 11:51	91-94-1	
3-Nitroaniline	<18.5	ug/L	61.6	18.5	20	08/03/17 08:01	08/04/17 11:51	99-09-2	
4,6-Dinitro-2-methylphenol	<12.5	ug/L	41.5	12.5	20	08/03/17 08:01	08/04/17 11:51	534-52-1	
4-Bromophenylphenyl ether	<37.6	ug/L	125	37.6	20	08/03/17 08:01	08/04/17 11:51	101-55-3	
4-Chloro-3-methylphenol	<32.1	ug/L	107	32.1	20	08/03/17 08:01	08/04/17 11:51	59-50-7	
4-Chloroaniline	<20.9	ug/L	69.6	20.9	20	08/03/17 08:01	08/04/17 11:51	106-47-8	
4-Chlorophenylphenyl ether	<15.6	ug/L	52.0	15.6	20	08/03/17 08:01	08/04/17 11:51	7005-72-3	
4-Nitroaniline	<34.9	ug/L	116	34.9	20	08/03/17 08:01	08/04/17 11:51	100-01-6	
4-Nitrophenol	<20.0	ug/L	66.5	20.0	20	08/03/17 08:01	08/04/17 11:51	100-02-7	
Acenaphthene	<25.5	ug/L	85.0	25.5	20	08/03/17 08:01	08/04/17 11:51	83-32-9	
Acenaphthylene	<20.2	ug/L	67.4	20.2	20	08/03/17 08:01	08/04/17 11:51	208-96-8	
Anthracene	<34.4	ug/L	115	34.4	20	08/03/17 08:01	08/04/17 11:51	120-12-7	
Benzo(a)anthracene	<10.2	ug/L	34.0	10.2	20	08/03/17 08:01	08/04/17 11:51	56-55-3	
Benzo(a)pyrene	<35.9	ug/L	120	35.9	20	08/03/17 08:01	08/04/17 11:51	50-32-8	
Benzo(b)fluoranthene	<12.5	ug/L	41.5	12.5	20	08/03/17 08:01	08/04/17 11:51	205-99-2	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-38-S **Lab ID: 40154096004** Collected: 07/27/17 16:40 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<15.4	ug/L	51.5	15.4	20	08/03/17 08:01	08/04/17 11:51	191-24-2	
Benzo(k)fluoranthene	<19.1	ug/L	63.7	19.1	20	08/03/17 08:01	08/04/17 11:51	207-08-9	
Butylbenzylphthalate	<14.7	ug/L	49.1	14.7	20	08/03/17 08:01	08/04/17 11:51	85-68-7	
Carbazole	<14.3	ug/L	47.6	14.3	20	08/03/17 08:01	08/04/17 11:51	86-74-8	
Chrysene	<33.1	ug/L	110	33.1	20	08/03/17 08:01	08/04/17 11:51	218-01-9	
Di-n-butylphthalate	<48.8	ug/L	163	48.8	20	08/03/17 08:01	08/04/17 11:51	84-74-2	
Di-n-octylphthalate	<36.0	ug/L	120	36.0	20	08/03/17 08:01	08/04/17 11:51	117-84-0	
Dibenz(a,h)anthracene	<25.2	ug/L	83.9	25.2	20	08/03/17 08:01	08/04/17 11:51	53-70-3	
Dibenzofuran	<14.6	ug/L	48.8	14.6	20	08/03/17 08:01	08/04/17 11:51	132-64-9	
Diethylphthalate	<20.6	ug/L	68.7	20.6	20	08/03/17 08:01	08/04/17 11:51	84-66-2	
Dimethylphthalate	<36.8	ug/L	123	36.8	20	08/03/17 08:01	08/04/17 11:51	131-11-3	
Fluoranthene	12.3J	ug/L	35.8	10.7	20	08/03/17 08:01	08/04/17 11:51	206-44-0	
Fluorene	<14.3	ug/L	47.6	14.3	20	08/03/17 08:01	08/04/17 11:51	86-73-7	
Hexachloro-1,3-butadiene	<46.9	ug/L	156	46.9	20	08/03/17 08:01	08/04/17 11:51	87-68-3	
Hexachlorobenzene	<32.3	ug/L	108	32.3	20	08/03/17 08:01	08/04/17 11:51	118-74-1	
Hexachlorocyclopentadiene	<12.9	ug/L	43.1	12.9	20	08/03/17 08:01	08/04/17 11:51	77-47-4	
Hexachloroethane	<50.7	ug/L	169	50.7	20	08/03/17 08:01	08/04/17 11:51	67-72-1	
Indeno(1,2,3-cd)pyrene	<28.5	ug/L	95.1	28.5	20	08/03/17 08:01	08/04/17 11:51	193-39-5	
Isophorone	<14.0	ug/L	46.6	14.0	20	08/03/17 08:01	08/04/17 11:51	78-59-1	
N-Nitroso-di-n-propylamine	<18.5	ug/L	61.7	18.5	20	08/03/17 08:01	08/04/17 11:51	621-64-7	
N-Nitrosodiphenylamine	<67.2	ug/L	224	67.2	20	08/03/17 08:01	08/04/17 11:51	86-30-6	
Naphthalene	<36.2	ug/L	121	36.2	20	08/03/17 08:01	08/04/17 11:51	91-20-3	
Nitrobenzene	<27.6	ug/L	92.1	27.6	20	08/03/17 08:01	08/04/17 11:51	98-95-3	
Pentachlorophenol	<27.3	ug/L	91.1	27.3	20	08/03/17 08:01	08/04/17 11:51	87-86-5	
Phenanthrene	<34.7	ug/L	116	34.7	20	08/03/17 08:01	08/04/17 11:51	85-01-8	
Phenol	<11.4	ug/L	38.1	11.4	20	08/03/17 08:01	08/04/17 11:51	108-95-2	D3
Pyrene	<25.7	ug/L	85.5	25.7	20	08/03/17 08:01	08/04/17 11:51	129-00-0	
bis(2-Chloroethoxy)methane	<19.0	ug/L	63.3	19.0	20	08/03/17 08:01	08/04/17 11:51	111-91-1	
bis(2-Chloroethyl) ether	<30.1	ug/L	100	30.1	20	08/03/17 08:01	08/04/17 11:51	111-44-4	
bis(2-Ethylhexyl)phthalate	<13.2	ug/L	44.0	13.2	20	08/03/17 08:01	08/04/17 11:51	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	52	%	53-100		20	08/03/17 08:01	08/04/17 11:51	4165-60-0	S4
2-Fluorobiphenyl (S)	86	%	59-109		20	08/03/17 08:01	08/04/17 11:51	321-60-8	
Terphenyl-d14 (S)	98	%	59-108		20	08/03/17 08:01	08/04/17 11:51	1718-51-0	
Phenol-d6 (S)	21	%	18-120		20	08/03/17 08:01	08/04/17 11:51	13127-88-3	
2-Fluorophenol (S)	28	%	27-67		20	08/03/17 08:01	08/04/17 11:51	367-12-4	
2,4,6-Tribromophenol (S)	84	%	65-140		20	08/03/17 08:01	08/04/17 11:51	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/02/17 11:52	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/02/17 11:52	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/02/17 11:52	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	104-51-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-38-S **Lab ID: 40154096004** Collected: 07/27/17 16:40 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/02/17 11:52	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/02/17 11:52	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/02/17 11:52	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/02/17 11:52	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/02/17 11:52	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/02/17 11:52	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/02/17 11:52	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/02/17 11:52	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/02/17 11:52	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/02/17 11:52	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/02/17 11:52	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/02/17 11:52	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/02/17 11:52	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/02/17 11:52	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/02/17 11:52	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/02/17 11:52	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/02/17 11:52	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/02/17 11:52	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/02/17 11:52	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/02/17 11:52	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/02/17 11:52	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/02/17 11:52	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/02/17 11:52	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/02/17 11:52	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/02/17 11:52	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/02/17 11:52	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/02/17 11:52	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/02/17 11:52	79-00-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-38-S **Lab ID: 40154096004** Collected: 07/27/17 16:40 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/02/17 11:52	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/02/17 11:52	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/02/17 11:52	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/02/17 11:52	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/02/17 11:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		08/02/17 11:52	460-00-4	
Dibromofluoromethane (S)	107	%	67-130		1		08/02/17 11:52	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		08/02/17 11:52	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-33-S **Lab ID: 40154096005** Collected: 07/28/17 09:45 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	<8.3	ug/L	25.0	8.3	1	08/01/17 11:54	08/02/17 14:37	7440-38-2	
Barium	340	ug/L	5.0	1.5	1	08/01/17 11:54	08/02/17 14:37	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/01/17 11:54	08/02/17 14:37	7440-43-9	
Chromium	14.2	ug/L	10.0	2.5	1	08/01/17 11:54	08/02/17 14:37	7440-47-3	
Lead	11.2J	ug/L	13.0	4.3	1	08/01/17 11:54	08/02/17 14:37	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/01/17 11:54	08/02/17 14:37	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/01/17 11:54	08/02/17 14:37	7440-22-4	
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	<0.13	ug/L	0.42	0.13	1	08/07/17 12:30	08/08/17 08:30	7439-97-6	
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,2,4-Trichlorobenzene	<2.0	ug/L	6.6	2.0	1	08/03/17 08:01	08/04/17 09:01	120-82-1	
1,2-Dichlorobenzene	<1.9	ug/L	6.3	1.9	1	08/03/17 08:01	08/04/17 09:01	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.2	1.8	1	08/03/17 08:01	08/04/17 09:01	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/03/17 08:01	08/04/17 09:01	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	5.0	1.5	1	08/03/17 08:01	08/04/17 09:01	108-60-1	
2,4,5-Trichlorophenol	<0.83	ug/L	2.8	0.83	1	08/03/17 08:01	08/04/17 09:01	95-95-4	
2,4,6-Trichlorophenol	<2.1	ug/L	6.9	2.1	1	08/03/17 08:01	08/04/17 09:01	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.5	1.3	1	08/03/17 08:01	08/04/17 09:01	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.1	1.2	1	08/03/17 08:01	08/04/17 09:01	105-67-9	
2,4-Dinitrophenol	<0.70	ug/L	2.3	0.70	1	08/03/17 08:01	08/04/17 09:01	51-28-5	
2,4-Dinitrotoluene	<0.78	ug/L	2.6	0.78	1	08/03/17 08:01	08/04/17 09:01	121-14-2	
2,6-Dinitrotoluene	<0.59	ug/L	2.0	0.59	1	08/03/17 08:01	08/04/17 09:01	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.4	1.6	1	08/03/17 08:01	08/04/17 09:01	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.8	1.1	1	08/03/17 08:01	08/04/17 09:01	95-57-8	
2-Methylnaphthalene	<1.5	ug/L	4.9	1.5	1	08/03/17 08:01	08/04/17 09:01	91-57-6	
2-Methylphenol(o-Cresol)	<0.85	ug/L	2.8	0.85	1	08/03/17 08:01	08/04/17 09:01	95-48-7	
2-Nitroaniline	<0.76	ug/L	2.5	0.76	1	08/03/17 08:01	08/04/17 09:01	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.8	1.1	1	08/03/17 08:01	08/04/17 09:01	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.1	1.5	1	08/03/17 08:01	08/04/17 09:01		
3,3'-Dichlorobenzidine	<0.89	ug/L	3.0	0.89	1	08/03/17 08:01	08/04/17 09:01	91-94-1	
3-Nitroaniline	<0.95	ug/L	3.2	0.95	1	08/03/17 08:01	08/04/17 09:01	99-09-2	
4,6-Dinitro-2-methylphenol	<0.64	ug/L	2.1	0.64	1	08/03/17 08:01	08/04/17 09:01	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.4	1.9	1	08/03/17 08:01	08/04/17 09:01	101-55-3	
4-Chloro-3-methylphenol	<1.7	ug/L	5.5	1.7	1	08/03/17 08:01	08/04/17 09:01	59-50-7	
4-Chloroaniline	<1.1	ug/L	3.6	1.1	1	08/03/17 08:01	08/04/17 09:01	106-47-8	
4-Chlorophenylphenyl ether	<0.80	ug/L	2.7	0.80	1	08/03/17 08:01	08/04/17 09:01	7005-72-3	
4-Nitroaniline	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/04/17 09:01	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.4	1.0	1	08/03/17 08:01	08/04/17 09:01	100-02-7	
Acenaphthene	<1.3	ug/L	4.4	1.3	1	08/03/17 08:01	08/04/17 09:01	83-32-9	
Acenaphthylene	<1.0	ug/L	3.5	1.0	1	08/03/17 08:01	08/04/17 09:01	208-96-8	
Anthracene	<1.8	ug/L	5.9	1.8	1	08/03/17 08:01	08/04/17 09:01	120-12-7	
Benzo(a)anthracene	<0.52	ug/L	1.7	0.52	1	08/03/17 08:01	08/04/17 09:01	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	6.2	1.8	1	08/03/17 08:01	08/04/17 09:01	50-32-8	
Benzo(b)fluoranthene	<0.64	ug/L	2.1	0.64	1	08/03/17 08:01	08/04/17 09:01	205-99-2	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-33-S **Lab ID: 40154096005** Collected: 07/28/17 09:45 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.79	ug/L	2.6	0.79	1	08/03/17 08:01	08/04/17 09:01	191-24-2	
Benzo(k)fluoranthene	<0.98	ug/L	3.3	0.98	1	08/03/17 08:01	08/04/17 09:01	207-08-9	
Butylbenzylphthalate	<0.76	ug/L	2.5	0.76	1	08/03/17 08:01	08/04/17 09:01	85-68-7	
Carbazole	<0.73	ug/L	2.4	0.73	1	08/03/17 08:01	08/04/17 09:01	86-74-8	
Chrysene	<1.7	ug/L	5.7	1.7	1	08/03/17 08:01	08/04/17 09:01	218-01-9	
Di-n-butylphthalate	<2.5	ug/L	8.4	2.5	1	08/03/17 08:01	08/04/17 09:01	84-74-2	
Di-n-octylphthalate	<1.9	ug/L	6.2	1.9	1	08/03/17 08:01	08/04/17 09:01	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/04/17 09:01	53-70-3	
Dibenzofuran	<0.75	ug/L	2.5	0.75	1	08/03/17 08:01	08/04/17 09:01	132-64-9	
Diethylphthalate	<1.1	ug/L	3.5	1.1	1	08/03/17 08:01	08/04/17 09:01	84-66-2	
Dimethylphthalate	<1.9	ug/L	6.3	1.9	1	08/03/17 08:01	08/04/17 09:01	131-11-3	
Fluoranthene	<0.55	ug/L	1.8	0.55	1	08/03/17 08:01	08/04/17 09:01	206-44-0	
Fluorene	<0.74	ug/L	2.5	0.74	1	08/03/17 08:01	08/04/17 09:01	86-73-7	
Hexachloro-1,3-butadiene	<2.4	ug/L	8.0	2.4	1	08/03/17 08:01	08/04/17 09:01	87-68-3	
Hexachlorobenzene	<1.7	ug/L	5.5	1.7	1	08/03/17 08:01	08/04/17 09:01	118-74-1	
Hexachlorocyclopentadiene	<0.67	ug/L	2.2	0.67	1	08/03/17 08:01	08/04/17 09:01	77-47-4	
Hexachloroethane	<2.6	ug/L	8.7	2.6	1	08/03/17 08:01	08/04/17 09:01	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.5	ug/L	4.9	1.5	1	08/03/17 08:01	08/04/17 09:01	193-39-5	
Isophorone	<0.72	ug/L	2.4	0.72	1	08/03/17 08:01	08/04/17 09:01	78-59-1	
N-Nitroso-di-n-propylamine	<0.95	ug/L	3.2	0.95	1	08/03/17 08:01	08/04/17 09:01	621-64-7	
N-Nitrosodiphenylamine	<3.5	ug/L	11.5	3.5	1	08/03/17 08:01	08/04/17 09:01	86-30-6	
Naphthalene	<1.9	ug/L	6.2	1.9	1	08/03/17 08:01	08/04/17 09:01	91-20-3	
Nitrobenzene	<1.4	ug/L	4.7	1.4	1	08/03/17 08:01	08/04/17 09:01	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.7	1.4	1	08/03/17 08:01	08/04/17 09:01	87-86-5	
Phenanthrene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/04/17 09:01	85-01-8	
Phenol	<0.59	ug/L	2.0	0.59	1	08/03/17 08:01	08/04/17 09:01	108-95-2	
Pyrene	<1.3	ug/L	4.4	1.3	1	08/03/17 08:01	08/04/17 09:01	129-00-0	
bis(2-Chloroethoxy)methane	<0.98	ug/L	3.3	0.98	1	08/03/17 08:01	08/04/17 09:01	111-91-1	
bis(2-Chloroethyl) ether	<1.6	ug/L	5.2	1.6	1	08/03/17 08:01	08/04/17 09:01	111-44-4	
bis(2-Ethylhexyl)phthalate	0.86J	ug/L	2.3	0.68	1	08/03/17 08:01	08/04/17 09:01	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	88	%	53-100		1	08/03/17 08:01	08/04/17 09:01	4165-60-0	
2-Fluorobiphenyl (S)	74	%	59-109		1	08/03/17 08:01	08/04/17 09:01	321-60-8	
Terphenyl-d14 (S)	87	%	59-108		1	08/03/17 08:01	08/04/17 09:01	1718-51-0	
Phenol-d6 (S)	32	%	18-120		1	08/03/17 08:01	08/04/17 09:01	13127-88-3	
2-Fluorophenol (S)	48	%	27-67		1	08/03/17 08:01	08/04/17 09:01	367-12-4	
2,4,6-Tribromophenol (S)	88	%	65-140		1	08/03/17 08:01	08/04/17 09:01	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/01/17 17:37	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/01/17 17:37	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/01/17 17:37	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	104-51-8	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-33-S **Lab ID: 40154096005** Collected: 07/28/17 09:45 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/01/17 17:37	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/01/17 17:37	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/01/17 17:37	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/01/17 17:37	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/01/17 17:37	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/01/17 17:37	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/01/17 17:37	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/01/17 17:37	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/01/17 17:37	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/01/17 17:37	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/01/17 17:37	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/01/17 17:37	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/01/17 17:37	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/01/17 17:37	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/01/17 17:37	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/01/17 17:37	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/01/17 17:37	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/01/17 17:37	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/01/17 17:37	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/01/17 17:37	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/01/17 17:37	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/01/17 17:37	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/01/17 17:37	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/01/17 17:37	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/01/17 17:37	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/01/17 17:37	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/01/17 17:37	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/01/17 17:37	79-00-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-33-S **Lab ID: 40154096005** Collected: 07/28/17 09:45 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/01/17 17:37	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/01/17 17:37	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/01/17 17:37	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/01/17 17:37	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:37	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	61-130		1		08/01/17 17:37	460-00-4	
Dibromofluoromethane (S)	105	%	67-130		1		08/01/17 17:37	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		08/01/17 17:37	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-52-S **Lab ID: 40154096006** Collected: 07/28/17 10:50 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	18.9	ug/L	13.0	4.3	1	08/01/17 11:54	08/02/17 14:39	7439-92-1	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	0.014J	ug/L	0.029	0.0058	1	08/03/17 12:31	08/03/17 19:52	83-32-9	
Acenaphthylene	<0.0048	ug/L	0.024	0.0048	1	08/03/17 12:31	08/03/17 19:52	208-96-8	
Anthracene	<0.010	ug/L	0.050	0.010	1	08/03/17 12:31	08/03/17 19:52	120-12-7	
Benzo(a)anthracene	0.26	ug/L	0.036	0.0073	1	08/03/17 12:31	08/03/17 19:52	56-55-3	
Benzo(a)pyrene	0.39	ug/L	0.051	0.010	1	08/03/17 12:31	08/03/17 19:52	50-32-8	
Benzo(b)fluoranthene	0.45	ug/L	0.028	0.0055	1	08/03/17 12:31	08/03/17 19:52	205-99-2	
Benzo(g,h,i)perylene	0.27	ug/L	0.033	0.0065	1	08/03/17 12:31	08/03/17 19:52	191-24-2	
Benzo(k)fluoranthene	0.24	ug/L	0.036	0.0073	1	08/03/17 12:31	08/03/17 19:52	207-08-9	
Chrysene	0.48	ug/L	0.063	0.013	1	08/03/17 12:31	08/03/17 19:52	218-01-9	
Dibenz(a,h)anthracene	0.045J	ug/L	0.048	0.0096	1	08/03/17 12:31	08/03/17 19:52	53-70-3	
Fluoranthene	0.61	ug/L	0.051	0.010	1	08/03/17 12:31	08/03/17 19:52	206-44-0	
Fluorene	0.012J	ug/L	0.038	0.0077	1	08/03/17 12:31	08/03/17 19:52	86-73-7	
Indeno(1,2,3-cd)pyrene	0.20	ug/L	0.085	0.017	1	08/03/17 12:31	08/03/17 19:52	193-39-5	
1-Methylnaphthalene	<0.0057	ug/L	0.028	0.0057	1	08/03/17 12:31	08/03/17 19:52	90-12-0	
2-Methylnaphthalene	<0.0047	ug/L	0.024	0.0047	1	08/03/17 12:31	08/03/17 19:52	91-57-6	
Naphthalene	<0.018	ug/L	0.088	0.018	1	08/03/17 12:31	08/03/17 19:52	91-20-3	
Phenanthrene	0.21	ug/L	0.066	0.013	1	08/03/17 12:31	08/03/17 19:52	85-01-8	
Pyrene	0.55	ug/L	0.037	0.0074	1	08/03/17 12:31	08/03/17 19:52	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	44	%	35-84		1	08/03/17 12:31	08/03/17 19:52	321-60-8	
Terphenyl-d14 (S)	53	%	10-129		1	08/03/17 12:31	08/03/17 19:52	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/01/17 17:15	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/01/17 17:15	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/01/17 17:15	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/01/17 17:15	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/01/17 17:15	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/01/17 17:15	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/01/17 17:15	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/01/17 17:15	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/01/17 17:15	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/01/17 17:15	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/01/17 17:15	74-95-3	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-52-S Lab ID: 40154096006 Collected: 07/28/17 10:50 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/01/17 17:15	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/01/17 17:15	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/01/17 17:15	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/01/17 17:15	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/01/17 17:15	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/01/17 17:15	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/01/17 17:15	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/01/17 17:15	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/01/17 17:15	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/01/17 17:15	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/01/17 17:15	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/01/17 17:15	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/01/17 17:15	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/01/17 17:15	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/01/17 17:15	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/01/17 17:15	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/01/17 17:15	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/01/17 17:15	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/01/17 17:15	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/01/17 17:15	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/01/17 17:15	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/01/17 17:15	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/01/17 17:15	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/01/17 17:15	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/01/17 17:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		08/01/17 17:15	460-00-4	
Dibromofluoromethane (S)	100	%	67-130		1		08/01/17 17:15	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		08/01/17 17:15	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-29-S **Lab ID: 40154096007** Collected: 07/28/17 11:30 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	<8.3	ug/L	25.0	8.3	1	08/01/17 11:54	08/02/17 14:42	7440-38-2	
Barium	343	ug/L	5.0	1.5	1	08/01/17 11:54	08/02/17 14:42	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/01/17 11:54	08/02/17 14:42	7440-43-9	
Chromium	11.8	ug/L	10.0	2.5	1	08/01/17 11:54	08/02/17 14:42	7440-47-3	
Lead	271	ug/L	13.0	4.3	1	08/01/17 11:54	08/02/17 14:42	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/01/17 11:54	08/02/17 14:42	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/01/17 11:54	08/02/17 14:42	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.13	ug/L	0.42	0.13	1	08/07/17 12:30	08/08/17 08:32	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,2,4-Trichlorobenzene	<1.9	ug/L	6.5	1.9	1	08/03/17 08:01	08/04/17 09:22	120-82-1	
1,2-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/03/17 08:01	08/04/17 09:22	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/04/17 09:22	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/04/17 09:22	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	4.8	1.5	1	08/03/17 08:01	08/04/17 09:22	108-60-1	
2,4,5-Trichlorophenol	<0.80	ug/L	2.7	0.80	1	08/03/17 08:01	08/04/17 09:22	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.7	2.0	1	08/03/17 08:01	08/04/17 09:22	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/04/17 09:22	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.0	1.2	1	08/03/17 08:01	08/04/17 09:22	105-67-9	
2,4-Dinitrophenol	<0.68	ug/L	2.3	0.68	1	08/03/17 08:01	08/04/17 09:22	51-28-5	
2,4-Dinitrotoluene	<0.75	ug/L	2.5	0.75	1	08/03/17 08:01	08/04/17 09:22	121-14-2	
2,6-Dinitrotoluene	<0.57	ug/L	1.9	0.57	1	08/03/17 08:01	08/04/17 09:22	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.2	1.6	1	08/03/17 08:01	08/04/17 09:22	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.7	1.1	1	08/03/17 08:01	08/04/17 09:22	95-57-8	
2-Methylnaphthalene	<1.4	ug/L	4.8	1.4	1	08/03/17 08:01	08/04/17 09:22	91-57-6	
2-Methylphenol(o-Cresol)	<0.83	ug/L	2.8	0.83	1	08/03/17 08:01	08/04/17 09:22	95-48-7	
2-Nitroaniline	<0.74	ug/L	2.5	0.74	1	08/03/17 08:01	08/04/17 09:22	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/03/17 08:01	08/04/17 09:22	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.0	1.5	1	08/03/17 08:01	08/04/17 09:22		
3,3'-Dichlorobenzidine	<0.86	ug/L	2.9	0.86	1	08/03/17 08:01	08/04/17 09:22	91-94-1	
3-Nitroaniline	<0.92	ug/L	3.1	0.92	1	08/03/17 08:01	08/04/17 09:22	99-09-2	
4,6-Dinitro-2-methylphenol	<0.62	ug/L	2.1	0.62	1	08/03/17 08:01	08/04/17 09:22	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.3	1.9	1	08/03/17 08:01	08/04/17 09:22	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.4	1.6	1	08/03/17 08:01	08/04/17 09:22	59-50-7	
4-Chloroaniline	<1.0	ug/L	3.5	1.0	1	08/03/17 08:01	08/04/17 09:22	106-47-8	
4-Chlorophenylphenyl ether	<0.78	ug/L	2.6	0.78	1	08/03/17 08:01	08/04/17 09:22	7005-72-3	
4-Nitroaniline	<1.7	ug/L	5.8	1.7	1	08/03/17 08:01	08/04/17 09:22	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.3	1.0	1	08/03/17 08:01	08/04/17 09:22	100-02-7	
Acenaphthene	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/04/17 09:22	83-32-9	
Acenaphthylene	<1.0	ug/L	3.4	1.0	1	08/03/17 08:01	08/04/17 09:22	208-96-8	
Anthracene	<1.7	ug/L	5.7	1.7	1	08/03/17 08:01	08/04/17 09:22	120-12-7	
Benzo(a)anthracene	<0.51	ug/L	1.7	0.51	1	08/03/17 08:01	08/04/17 09:22	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/04/17 09:22	50-32-8	
Benzo(b)fluoranthene	<0.62	ug/L	2.1	0.62	1	08/03/17 08:01	08/04/17 09:22	205-99-2	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-29-S **Lab ID: 40154096007** Collected: 07/28/17 11:30 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.77	ug/L	2.6	0.77	1	08/03/17 08:01	08/04/17 09:22	191-24-2	
Benzo(k)fluoranthene	<0.95	ug/L	3.2	0.95	1	08/03/17 08:01	08/04/17 09:22	207-08-9	
Butylbenzylphthalate	<0.74	ug/L	2.5	0.74	1	08/03/17 08:01	08/04/17 09:22	85-68-7	
Carbazole	<0.71	ug/L	2.4	0.71	1	08/03/17 08:01	08/04/17 09:22	86-74-8	
Chrysene	<1.7	ug/L	5.5	1.7	1	08/03/17 08:01	08/04/17 09:22	218-01-9	
Di-n-butylphthalate	<2.4	ug/L	8.1	2.4	1	08/03/17 08:01	08/04/17 09:22	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/04/17 09:22	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.2	1.3	1	08/03/17 08:01	08/04/17 09:22	53-70-3	
Dibenzofuran	<0.73	ug/L	2.4	0.73	1	08/03/17 08:01	08/04/17 09:22	132-64-9	
Diethylphthalate	<1.0	ug/L	3.4	1.0	1	08/03/17 08:01	08/04/17 09:22	84-66-2	
Dimethylphthalate	<1.8	ug/L	6.1	1.8	1	08/03/17 08:01	08/04/17 09:22	131-11-3	
Fluoranthene	<0.54	ug/L	1.8	0.54	1	08/03/17 08:01	08/04/17 09:22	206-44-0	
Fluorene	<0.71	ug/L	2.4	0.71	1	08/03/17 08:01	08/04/17 09:22	86-73-7	
Hexachloro-1,3-butadiene	<2.3	ug/L	7.8	2.3	1	08/03/17 08:01	08/04/17 09:22	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.4	1.6	1	08/03/17 08:01	08/04/17 09:22	118-74-1	
Hexachlorocyclopentadiene	<0.65	ug/L	2.2	0.65	1	08/03/17 08:01	08/04/17 09:22	77-47-4	
Hexachloroethane	<2.5	ug/L	8.4	2.5	1	08/03/17 08:01	08/04/17 09:22	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.8	1.4	1	08/03/17 08:01	08/04/17 09:22	193-39-5	
Isophorone	<0.70	ug/L	2.3	0.70	1	08/03/17 08:01	08/04/17 09:22	78-59-1	
N-Nitroso-di-n-propylamine	<0.92	ug/L	3.1	0.92	1	08/03/17 08:01	08/04/17 09:22	621-64-7	
N-Nitrosodiphenylamine	<3.4	ug/L	11.2	3.4	1	08/03/17 08:01	08/04/17 09:22	86-30-6	
Naphthalene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/04/17 09:22	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/03/17 08:01	08/04/17 09:22	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.6	1.4	1	08/03/17 08:01	08/04/17 09:22	87-86-5	
Phenanthrene	<1.7	ug/L	5.8	1.7	1	08/03/17 08:01	08/04/17 09:22	85-01-8	
Phenol	<0.57	ug/L	1.9	0.57	1	08/03/17 08:01	08/04/17 09:22	108-95-2	
Pyrene	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/04/17 09:22	129-00-0	
bis(2-Chloroethoxy)methane	<0.95	ug/L	3.2	0.95	1	08/03/17 08:01	08/04/17 09:22	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.0	1.5	1	08/03/17 08:01	08/04/17 09:22	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.66	ug/L	2.2	0.66	1	08/03/17 08:01	08/04/17 09:22	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	94	%	53-100		1	08/03/17 08:01	08/04/17 09:22	4165-60-0	
2-Fluorobiphenyl (S)	85	%	59-109		1	08/03/17 08:01	08/04/17 09:22	321-60-8	
Terphenyl-d14 (S)	91	%	59-108		1	08/03/17 08:01	08/04/17 09:22	1718-51-0	
Phenol-d6 (S)	33	%	18-120		1	08/03/17 08:01	08/04/17 09:22	13127-88-3	
2-Fluorophenol (S)	50	%	27-67		1	08/03/17 08:01	08/04/17 09:22	367-12-4	
2,4,6-Tribromophenol (S)	106	%	65-140		1	08/03/17 08:01	08/04/17 09:22	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/01/17 16:53	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/01/17 16:53	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/01/17 16:53	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	104-51-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-29-S **Lab ID: 40154096007** Collected: 07/28/17 11:30 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/01/17 16:53	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/01/17 16:53	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/01/17 16:53	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/01/17 16:53	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/01/17 16:53	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/01/17 16:53	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/01/17 16:53	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/01/17 16:53	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/01/17 16:53	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/01/17 16:53	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/01/17 16:53	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/01/17 16:53	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/01/17 16:53	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/01/17 16:53	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/01/17 16:53	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/01/17 16:53	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/01/17 16:53	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/01/17 16:53	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/01/17 16:53	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/01/17 16:53	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/01/17 16:53	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/01/17 16:53	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/01/17 16:53	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/01/17 16:53	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/01/17 16:53	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/01/17 16:53	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/01/17 16:53	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/01/17 16:53	79-00-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-29-S **Lab ID: 40154096007** Collected: 07/28/17 11:30 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/01/17 16:53	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/01/17 16:53	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/01/17 16:53	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/01/17 16:53	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/01/17 16:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	61-130		1		08/01/17 16:53	460-00-4	
Dibromofluoromethane (S)	109	%	67-130		1		08/01/17 16:53	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		08/01/17 16:53	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-38, 8-10 **Lab ID: 40154096008** Collected: 07/27/17 16:35 Received: 07/29/17 08:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<28.6	ug/kg	57.2	28.6	1	08/01/17 12:31	08/02/17 19:08	12674-11-2	
PCB-1221 (Aroclor 1221)	<28.6	ug/kg	57.2	28.6	1	08/01/17 12:31	08/02/17 19:08	11104-28-2	
PCB-1232 (Aroclor 1232)	<28.6	ug/kg	57.2	28.6	1	08/01/17 12:31	08/02/17 19:08	11141-16-5	
PCB-1242 (Aroclor 1242)	45.1J	ug/kg	57.2	28.6	1	08/01/17 12:31	08/02/17 19:08	53469-21-9	
PCB-1248 (Aroclor 1248)	<28.6	ug/kg	57.2	28.6	1	08/01/17 12:31	08/02/17 19:08	12672-29-6	
PCB-1254 (Aroclor 1254)	<28.6	ug/kg	57.2	28.6	1	08/01/17 12:31	08/02/17 19:08	11097-69-1	
PCB-1260 (Aroclor 1260)	<28.6	ug/kg	57.2	28.6	1	08/01/17 12:31	08/02/17 19:08	11096-82-5	
PCB, Total	45.1J	ug/kg	57.2	28.6	1	08/01/17 12:31	08/02/17 19:08	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	53	%	50-102		1	08/01/17 12:31	08/02/17 19:08	877-09-8	
Decachlorobiphenyl (S)	68	%	53-105		1	08/01/17 12:31	08/02/17 19:08	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	2.8J	mg/kg	5.7	1.2	1	07/31/17 15:24	08/01/17 16:14	7440-38-2	
Barium	8.2	mg/kg	0.57	0.17	1	07/31/17 15:24	08/01/17 16:14	7440-39-3	
Cadmium	<0.15	mg/kg	0.57	0.15	1	07/31/17 15:24	08/01/17 16:14	7440-43-9	
Chromium	4.3	mg/kg	1.1	0.32	1	07/31/17 15:24	08/01/17 16:14	7440-47-3	
Lead	2.6	mg/kg	1.5	0.49	1	07/31/17 15:24	08/01/17 16:14	7439-92-1	
Selenium	<1.3	mg/kg	5.7	1.3	1	07/31/17 15:24	08/01/17 16:14	7782-49-2	
Silver	<0.39	mg/kg	1.1	0.39	1	07/31/17 15:24	08/01/17 16:14	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	<0.012	mg/kg	0.041	0.012	1	08/11/17 06:31	08/11/17 12:56	7439-97-6	
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<216	ug/kg	719	216	10	08/03/17 10:50	08/04/17 12:12	120-82-1	
1,2-Dichlorobenzene	<600	ug/kg	2000	600	10	08/03/17 10:50	08/04/17 12:12	95-50-1	
1,3-Dichlorobenzene	<264	ug/kg	881	264	10	08/03/17 10:50	08/04/17 12:12	541-73-1	
1,4-Dichlorobenzene	<266	ug/kg	887	266	10	08/03/17 10:50	08/04/17 12:12	106-46-7	
2,2'-Oxybis(1-chloropropane)	<492	ug/kg	1640	492	10	08/03/17 10:50	08/04/17 12:12	108-60-1	
2,4,5-Trichlorophenol	<337	ug/kg	1120	337	10	08/03/17 10:50	08/04/17 12:12	95-95-4	
2,4,6-Trichlorophenol	<291	ug/kg	970	291	10	08/03/17 10:50	08/04/17 12:12	88-06-2	
2,4-Dichlorophenol	<510	ug/kg	1700	510	10	08/03/17 10:50	08/04/17 12:12	120-83-2	
2,4-Dimethylphenol	<378	ug/kg	1260	378	10	08/03/17 10:50	08/04/17 12:12	105-67-9	
2,4-Dinitrophenol	<582	ug/kg	1940	582	10	08/03/17 10:50	08/04/17 12:12	51-28-5	
2,4-Dinitrotoluene	<273	ug/kg	910	273	10	08/03/17 10:50	08/04/17 12:12	121-14-2	
2,6-Dinitrotoluene	<362	ug/kg	1210	362	10	08/03/17 10:50	08/04/17 12:12	606-20-2	
2-Chloronaphthalene	<245	ug/kg	817	245	10	08/03/17 10:50	08/04/17 12:12	91-58-7	
2-Chlorophenol	<477	ug/kg	1590	477	10	08/03/17 10:50	08/04/17 12:12	95-57-8	
2-Methylnaphthalene	<496	ug/kg	1650	496	10	08/03/17 10:50	08/04/17 12:12	91-57-6	
2-Methylphenol(o-Cresol)	<347	ug/kg	1160	347	10	08/03/17 10:50	08/04/17 12:12	95-48-7	
2-Nitroaniline	<544	ug/kg	1810	544	10	08/03/17 10:50	08/04/17 12:12	88-74-4	
2-Nitrophenol	<603	ug/kg	2010	603	10	08/03/17 10:50	08/04/17 12:12	88-75-5	
3&4-Methylphenol(m&p Cresol)	<350	ug/kg	1170	350	10	08/03/17 10:50	08/04/17 12:12		
3,3'-Dichlorobenzidine	<518	ug/kg	1730	518	10	08/03/17 10:50	08/04/17 12:12	91-94-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT
Pace Project No.: 40154096

Sample: SB-38, 8-10 **Lab ID: 40154096008** Collected: 07/27/17 16:35 Received: 07/29/17 08:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<325	ug/kg	1080	325	10	08/03/17 10:50	08/04/17 12:12	99-09-2	
4,6-Dinitro-2-methylphenol	<588	ug/kg	1960	588	10	08/03/17 10:50	08/04/17 12:12	534-52-1	
4-Bromophenylphenyl ether	<400	ug/kg	1330	400	10	08/03/17 10:50	08/04/17 12:12	101-55-3	
4-Chloro-3-methylphenol	<594	ug/kg	1980	594	10	08/03/17 10:50	08/04/17 12:12	59-50-7	
4-Chloroaniline	<314	ug/kg	1050	314	10	08/03/17 10:50	08/04/17 12:12	106-47-8	
4-Chlorophenylphenyl ether	<356	ug/kg	1190	356	10	08/03/17 10:50	08/04/17 12:12	7005-72-3	
4-Nitroaniline	<792	ug/kg	2640	792	10	08/03/17 10:50	08/04/17 12:12	100-01-6	
4-Nitrophenol	<481	ug/kg	1600	481	10	08/03/17 10:50	08/04/17 12:12	100-02-7	
Acenaphthene	<677	ug/kg	2260	677	10	08/03/17 10:50	08/04/17 12:12	83-32-9	
Acenaphthylene	<681	ug/kg	2270	681	10	08/03/17 10:50	08/04/17 12:12	208-96-8	
Anthracene	<305	ug/kg	1020	305	10	08/03/17 10:50	08/04/17 12:12	120-12-7	
Benzo(a)anthracene	<296	ug/kg	986	296	10	08/03/17 10:50	08/04/17 12:12	56-55-3	
Benzo(a)pyrene	<287	ug/kg	958	287	10	08/03/17 10:50	08/04/17 12:12	50-32-8	
Benzo(b)fluoranthene	<328	ug/kg	1090	328	10	08/03/17 10:50	08/04/17 12:12	205-99-2	
Benzo(g,h,i)perylene	<500	ug/kg	1660	500	10	08/03/17 10:50	08/04/17 12:12	191-24-2	
Benzo(k)fluoranthene	<457	ug/kg	1520	457	10	08/03/17 10:50	08/04/17 12:12	207-08-9	
Butylbenzylphthalate	<306	ug/kg	1020	306	10	08/03/17 10:50	08/04/17 12:12	85-68-7	
Carbazole	<299	ug/kg	996	299	10	08/03/17 10:50	08/04/17 12:12	86-74-8	
Chrysene	<285	ug/kg	952	285	10	08/03/17 10:50	08/04/17 12:12	218-01-9	
Di-n-butylphthalate	<285	ug/kg	951	285	10	08/03/17 10:50	08/04/17 12:12	84-74-2	
Di-n-octylphthalate	<429	ug/kg	1430	429	10	08/03/17 10:50	08/04/17 12:12	117-84-0	
Dibenz(a,h)anthracene	<519	ug/kg	1730	519	10	08/03/17 10:50	08/04/17 12:12	53-70-3	
Dibenzofuran	<231	ug/kg	770	231	10	08/03/17 10:50	08/04/17 12:12	132-64-9	
Diethylphthalate	<317	ug/kg	1060	317	10	08/03/17 10:50	08/04/17 12:12	84-66-2	
Dimethylphthalate	<248	ug/kg	828	248	10	08/03/17 10:50	08/04/17 12:12	131-11-3	
Fluoranthene	<270	ug/kg	901	270	10	08/03/17 10:50	08/04/17 12:12	206-44-0	
Fluorene	<223	ug/kg	744	223	10	08/03/17 10:50	08/04/17 12:12	86-73-7	
Hexachloro-1,3-butadiene	<486	ug/kg	1620	486	10	08/03/17 10:50	08/04/17 12:12	87-68-3	
Hexachlorobenzene	<321	ug/kg	1070	321	10	08/03/17 10:50	08/04/17 12:12	118-74-1	
Hexachlorocyclopentadiene	<452	ug/kg	1510	452	10	08/03/17 10:50	08/04/17 12:12	77-47-4	
Hexachloroethane	<306	ug/kg	1020	306	10	08/03/17 10:50	08/04/17 12:12	67-72-1	
Indeno(1,2,3-cd)pyrene	<413	ug/kg	1380	413	10	08/03/17 10:50	08/04/17 12:12	193-39-5	
Isophorone	<294	ug/kg	978	294	10	08/03/17 10:50	08/04/17 12:12	78-59-1	
N-Nitroso-di-n-propylamine	<303	ug/kg	1010	303	10	08/03/17 10:50	08/04/17 12:12	621-64-7	
N-Nitrosodiphenylamine	<2590	ug/kg	8640	2590	10	08/03/17 10:50	08/04/17 12:12	86-30-6	
Naphthalene	<668	ug/kg	2230	668	10	08/03/17 10:50	08/04/17 12:12	91-20-3	
Nitrobenzene	<387	ug/kg	1290	387	10	08/03/17 10:50	08/04/17 12:12	98-95-3	
Pentachlorophenol	<420	ug/kg	1400	420	10	08/03/17 10:50	08/04/17 12:12	87-86-5	
Phenanthrene	<245	ug/kg	816	245	10	08/03/17 10:50	08/04/17 12:12	85-01-8	
Phenol	<453	ug/kg	1510	453	10	08/03/17 10:50	08/04/17 12:12	108-95-2	D3
Pyrene	<423	ug/kg	1410	423	10	08/03/17 10:50	08/04/17 12:12	129-00-0	
bis(2-Chloroethoxy)methane	<514	ug/kg	1710	514	10	08/03/17 10:50	08/04/17 12:12	111-91-1	
bis(2-Chloroethyl) ether	<596	ug/kg	1990	596	10	08/03/17 10:50	08/04/17 12:12	111-44-4	
bis(2-Ethylhexyl)phthalate	<317	ug/kg	1060	317	10	08/03/17 10:50	08/04/17 12:12	117-81-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT
Pace Project No.: 40154096

Sample: SB-38, 8-10 **Lab ID: 40154096008** Collected: 07/27/17 16:35 Received: 07/29/17 08:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

Nitrobenzene-d5 (S)	41	%	13-114		10	08/03/17 10:50	08/04/17 12:12	4165-60-0	
2-Fluorobiphenyl (S)	47	%	18-127		10	08/03/17 10:50	08/04/17 12:12	321-60-8	
Terphenyl-d14 (S)	57	%	41-109		10	08/03/17 10:50	08/04/17 12:12	1718-51-0	
Phenol-d6 (S)	45	%	30-97		10	08/03/17 10:50	08/04/17 12:12	13127-88-3	
2-Fluorophenol (S)	50	%	16-103		10	08/03/17 10:50	08/04/17 12:12	367-12-4	
2,4,6-Tribromophenol (S)	54	%	13-143		10	08/03/17 10:50	08/04/17 12:12	118-79-6	

8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Benzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/02/17 08:00	08/03/17 11:42	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/02/17 08:00	08/03/17 11:42	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/02/17 08:00	08/03/17 11:42	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/02/17 08:00	08/03/17 11:42	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	108-20-3	W

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-38, 8-10 **Lab ID: 40154096008** Collected: 07/27/17 16:35 Received: 07/29/17 08:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/02/17 08:00	08/03/17 11:42	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/02/17 08:00	08/03/17 11:42	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/02/17 08:00	08/03/17 11:42	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 11:42	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	106	%	68-130		1	08/02/17 08:00	08/03/17 11:42	1868-53-7	
Toluene-d8 (S)	108	%	68-149		1	08/02/17 08:00	08/03/17 11:42	2037-26-5	
4-Bromofluorobenzene (S)	91	%	58-141		1	08/02/17 08:00	08/03/17 11:42	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	12.5	%	0.10	0.10	1		08/08/17 15:05		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT
Pace Project No.: 40154096

Sample: SB-33, 2.5-3 **Lab ID: 40154096009** Collected: 07/28/17 09:30 Received: 07/29/17 08:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<30.6	ug/kg	61.2	30.6	1	08/01/17 12:31	08/02/17 19:27	12674-11-2	
PCB-1221 (Aroclor 1221)	<30.6	ug/kg	61.2	30.6	1	08/01/17 12:31	08/02/17 19:27	11104-28-2	
PCB-1232 (Aroclor 1232)	<30.6	ug/kg	61.2	30.6	1	08/01/17 12:31	08/02/17 19:27	11141-16-5	
PCB-1242 (Aroclor 1242)	<30.6	ug/kg	61.2	30.6	1	08/01/17 12:31	08/02/17 19:27	53469-21-9	
PCB-1248 (Aroclor 1248)	<30.6	ug/kg	61.2	30.6	1	08/01/17 12:31	08/02/17 19:27	12672-29-6	
PCB-1254 (Aroclor 1254)	<30.6	ug/kg	61.2	30.6	1	08/01/17 12:31	08/02/17 19:27	11097-69-1	
PCB-1260 (Aroclor 1260)	<30.6	ug/kg	61.2	30.6	1	08/01/17 12:31	08/02/17 19:27	11096-82-5	
PCB, Total	<30.6	ug/kg	61.2	30.6	1	08/01/17 12:31	08/02/17 19:27	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	58	%	50-102		1	08/01/17 12:31	08/02/17 19:27	877-09-8	
Decachlorobiphenyl (S)	75	%	53-105		1	08/01/17 12:31	08/02/17 19:27	2051-24-3	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	1.4J	mg/kg	5.8	1.2	1	07/31/17 15:24	08/01/17 16:21	7440-38-2	
Barium	19.1	mg/kg	0.58	0.17	1	07/31/17 15:24	08/01/17 16:21	7440-39-3	
Cadmium	<0.15	mg/kg	0.58	0.15	1	07/31/17 15:24	08/01/17 16:21	7440-43-9	
Chromium	8.8	mg/kg	1.2	0.32	1	07/31/17 15:24	08/01/17 16:21	7440-47-3	
Lead	4.5	mg/kg	1.5	0.50	1	07/31/17 15:24	08/01/17 16:21	7439-92-1	
Selenium	<1.3	mg/kg	5.8	1.3	1	07/31/17 15:24	08/01/17 16:21	7782-49-2	
Silver	<0.40	mg/kg	1.2	0.40	1	07/31/17 15:24	08/01/17 16:21	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	<0.013	mg/kg	0.043	0.013	1	08/11/17 06:31	08/11/17 12:58	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<23.1	ug/kg	77.0	23.1	1	08/03/17 10:50	08/03/17 14:36	120-82-1	
1,2-Dichlorobenzene	<64.3	ug/kg	214	64.3	1	08/03/17 10:50	08/03/17 14:36	95-50-1	
1,3-Dichlorobenzene	<28.3	ug/kg	94.4	28.3	1	08/03/17 10:50	08/03/17 14:36	541-73-1	
1,4-Dichlorobenzene	<28.5	ug/kg	94.9	28.5	1	08/03/17 10:50	08/03/17 14:36	106-46-7	
2,2'-Oxybis(1-chloropropane)	<52.7	ug/kg	176	52.7	1	08/03/17 10:50	08/03/17 14:36	108-60-1	
2,4,5-Trichlorophenol	<36.1	ug/kg	120	36.1	1	08/03/17 10:50	08/03/17 14:36	95-95-4	
2,4,6-Trichlorophenol	<31.2	ug/kg	104	31.2	1	08/03/17 10:50	08/03/17 14:36	88-06-2	
2,4-Dichlorophenol	<54.6	ug/kg	182	54.6	1	08/03/17 10:50	08/03/17 14:36	120-83-2	
2,4-Dimethylphenol	<40.4	ug/kg	135	40.4	1	08/03/17 10:50	08/03/17 14:36	105-67-9	
2,4-Dinitrophenol	<62.3	ug/kg	208	62.3	1	08/03/17 10:50	08/03/17 14:36	51-28-5	
2,4-Dinitrotoluene	<29.2	ug/kg	97.5	29.2	1	08/03/17 10:50	08/03/17 14:36	121-14-2	
2,6-Dinitrotoluene	<38.8	ug/kg	129	38.8	1	08/03/17 10:50	08/03/17 14:36	606-20-2	
2-Chloronaphthalene	<26.3	ug/kg	87.5	26.3	1	08/03/17 10:50	08/03/17 14:36	91-58-7	
2-Chlorophenol	<51.0	ug/kg	170	51.0	1	08/03/17 10:50	08/03/17 14:36	95-57-8	
2-Methylnaphthalene	<53.1	ug/kg	177	53.1	1	08/03/17 10:50	08/03/17 14:36	91-57-6	
2-Methylphenol(o-Cresol)	<37.1	ug/kg	124	37.1	1	08/03/17 10:50	08/03/17 14:36	95-48-7	
2-Nitroaniline	<58.3	ug/kg	194	58.3	1	08/03/17 10:50	08/03/17 14:36	88-74-4	
2-Nitrophenol	<64.5	ug/kg	215	64.5	1	08/03/17 10:50	08/03/17 14:36	88-75-5	
3&4-Methylphenol(m&p Cresol)	<37.5	ug/kg	125	37.5	1	08/03/17 10:50	08/03/17 14:36		
3,3'-Dichlorobenzidine	<55.5	ug/kg	185	55.5	1	08/03/17 10:50	08/03/17 14:36	91-94-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-33, 2.5-3 **Lab ID: 40154096009** Collected: 07/28/17 09:30 Received: 07/29/17 08:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<34.8	ug/kg	116	34.8	1	08/03/17 10:50	08/03/17 14:36	99-09-2	
4,6-Dinitro-2-methylphenol	<63.0	ug/kg	210	63.0	1	08/03/17 10:50	08/03/17 14:36	534-52-1	
4-Bromophenylphenyl ether	<42.8	ug/kg	143	42.8	1	08/03/17 10:50	08/03/17 14:36	101-55-3	
4-Chloro-3-methylphenol	<63.6	ug/kg	212	63.6	1	08/03/17 10:50	08/03/17 14:36	59-50-7	
4-Chloroaniline	<33.6	ug/kg	112	33.6	1	08/03/17 10:50	08/03/17 14:36	106-47-8	
4-Chlorophenylphenyl ether	<38.1	ug/kg	127	38.1	1	08/03/17 10:50	08/03/17 14:36	7005-72-3	
4-Nitroaniline	<84.9	ug/kg	283	84.9	1	08/03/17 10:50	08/03/17 14:36	100-01-6	
4-Nitrophenol	<51.5	ug/kg	172	51.5	1	08/03/17 10:50	08/03/17 14:36	100-02-7	
Acenaphthene	<72.5	ug/kg	242	72.5	1	08/03/17 10:50	08/03/17 14:36	83-32-9	
Acenaphthylene	<72.9	ug/kg	243	72.9	1	08/03/17 10:50	08/03/17 14:36	208-96-8	
Anthracene	<32.7	ug/kg	109	32.7	1	08/03/17 10:50	08/03/17 14:36	120-12-7	
Benzo(a)anthracene	<31.7	ug/kg	106	31.7	1	08/03/17 10:50	08/03/17 14:36	56-55-3	
Benzo(a)pyrene	<30.8	ug/kg	103	30.8	1	08/03/17 10:50	08/03/17 14:36	50-32-8	
Benzo(b)fluoranthene	<35.1	ug/kg	117	35.1	1	08/03/17 10:50	08/03/17 14:36	205-99-2	
Benzo(g,h,i)perylene	<53.5	ug/kg	178	53.5	1	08/03/17 10:50	08/03/17 14:36	191-24-2	
Benzo(k)fluoranthene	<49.0	ug/kg	163	49.0	1	08/03/17 10:50	08/03/17 14:36	207-08-9	
Butylbenzylphthalate	<32.8	ug/kg	109	32.8	1	08/03/17 10:50	08/03/17 14:36	85-68-7	
Carbazole	<32.0	ug/kg	107	32.0	1	08/03/17 10:50	08/03/17 14:36	86-74-8	
Chrysene	<30.6	ug/kg	102	30.6	1	08/03/17 10:50	08/03/17 14:36	218-01-9	
Di-n-butylphthalate	<30.6	ug/kg	102	30.6	1	08/03/17 10:50	08/03/17 14:36	84-74-2	
Di-n-octylphthalate	<46.0	ug/kg	153	46.0	1	08/03/17 10:50	08/03/17 14:36	117-84-0	
Dibenz(a,h)anthracene	<55.5	ug/kg	185	55.5	1	08/03/17 10:50	08/03/17 14:36	53-70-3	
Dibenzofuran	<24.7	ug/kg	82.5	24.7	1	08/03/17 10:50	08/03/17 14:36	132-64-9	
Diethylphthalate	<33.9	ug/kg	113	33.9	1	08/03/17 10:50	08/03/17 14:36	84-66-2	
Dimethylphthalate	<26.6	ug/kg	88.7	26.6	1	08/03/17 10:50	08/03/17 14:36	131-11-3	
Fluoranthene	<28.9	ug/kg	96.4	28.9	1	08/03/17 10:50	08/03/17 14:36	206-44-0	
Fluorene	<23.9	ug/kg	79.7	23.9	1	08/03/17 10:50	08/03/17 14:36	86-73-7	
Hexachloro-1,3-butadiene	<52.1	ug/kg	174	52.1	1	08/03/17 10:50	08/03/17 14:36	87-68-3	
Hexachlorobenzene	<34.4	ug/kg	115	34.4	1	08/03/17 10:50	08/03/17 14:36	118-74-1	
Hexachlorocyclopentadiene	<48.4	ug/kg	161	48.4	1	08/03/17 10:50	08/03/17 14:36	77-47-4	
Hexachloroethane	<32.7	ug/kg	109	32.7	1	08/03/17 10:50	08/03/17 14:36	67-72-1	
Indeno(1,2,3-cd)pyrene	<44.2	ug/kg	147	44.2	1	08/03/17 10:50	08/03/17 14:36	193-39-5	
Isophorone	<31.4	ug/kg	105	31.4	1	08/03/17 10:50	08/03/17 14:36	78-59-1	
N-Nitroso-di-n-propylamine	<32.4	ug/kg	108	32.4	1	08/03/17 10:50	08/03/17 14:36	621-64-7	
N-Nitrosodiphenylamine	<277	ug/kg	925	277	1	08/03/17 10:50	08/03/17 14:36	86-30-6	
Naphthalene	<71.5	ug/kg	238	71.5	1	08/03/17 10:50	08/03/17 14:36	91-20-3	
Nitrobenzene	<41.5	ug/kg	138	41.5	1	08/03/17 10:50	08/03/17 14:36	98-95-3	
Pentachlorophenol	<45.0	ug/kg	150	45.0	1	08/03/17 10:50	08/03/17 14:36	87-86-5	
Phenanthrene	<26.2	ug/kg	87.4	26.2	1	08/03/17 10:50	08/03/17 14:36	85-01-8	
Phenol	<48.5	ug/kg	162	48.5	1	08/03/17 10:50	08/03/17 14:36	108-95-2	
Pyrene	<45.3	ug/kg	151	45.3	1	08/03/17 10:50	08/03/17 14:36	129-00-0	
bis(2-Chloroethoxy)methane	<55.1	ug/kg	184	55.1	1	08/03/17 10:50	08/03/17 14:36	111-91-1	
bis(2-Chloroethyl) ether	<63.8	ug/kg	213	63.8	1	08/03/17 10:50	08/03/17 14:36	111-44-4	
bis(2-Ethylhexyl)phthalate	<34.0	ug/kg	113	34.0	1	08/03/17 10:50	08/03/17 14:36	117-81-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-33, 2.5-3 **Lab ID: 40154096009** Collected: 07/28/17 09:30 Received: 07/29/17 08:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

Nitrobenzene-d5 (S)	88	%	13-114		1	08/03/17 10:50	08/03/17 14:36	4165-60-0	
2-Fluorobiphenyl (S)	75	%	18-127		1	08/03/17 10:50	08/03/17 14:36	321-60-8	
Terphenyl-d14 (S)	77	%	41-109		1	08/03/17 10:50	08/03/17 14:36	1718-51-0	
Phenol-d6 (S)	82	%	30-97		1	08/03/17 10:50	08/03/17 14:36	13127-88-3	
2-Fluorophenol (S)	85	%	16-103		1	08/03/17 10:50	08/03/17 14:36	367-12-4	
2,4,6-Tribromophenol (S)	98	%	13-143		1	08/03/17 10:50	08/03/17 14:36	118-79-6	

8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Benzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/02/17 08:00	08/03/17 12:05	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/02/17 08:00	08/03/17 12:05	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/02/17 08:00	08/03/17 12:05	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/02/17 08:00	08/03/17 12:05	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	108-20-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-33, 2.5-3 **Lab ID: 40154096009** Collected: 07/28/17 09:30 Received: 07/29/17 08:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/02/17 08:00	08/03/17 12:05	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/02/17 08:00	08/03/17 12:05	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/02/17 08:00	08/03/17 12:05	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/03/17 12:05	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	100	%	68-130		1	08/02/17 08:00	08/03/17 12:05	1868-53-7	
Toluene-d8 (S)	102	%	68-149		1	08/02/17 08:00	08/03/17 12:05	2037-26-5	
4-Bromofluorobenzene (S)	82	%	58-141		1	08/02/17 08:00	08/03/17 12:05	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	18.3	%	0.10	0.10	1		08/08/17 15:06		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: **SB-52, 4-5** Lab ID: **40154096010** Collected: 07/28/17 10:15 Received: 07/29/17 08:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	2.6	mg/kg	1.5	0.49	1	07/31/17 15:24	08/01/17 16:23	7439-92-1	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<5.0	ug/kg	16.6	5.0	1	08/08/17 10:02	08/08/17 17:58	83-32-9	
Acenaphthylene	<4.2	ug/kg	14.2	4.2	1	08/08/17 10:02	08/08/17 17:58	208-96-8	
Anthracene	11.7J	ug/kg	24.5	7.4	1	08/08/17 10:02	08/08/17 17:58	120-12-7	
Benzo(a)anthracene	37.0	ug/kg	13.7	4.1	1	08/08/17 10:02	08/08/17 17:58	56-55-3	
Benzo(a)pyrene	41.3	ug/kg	10.8	3.2	1	08/08/17 10:02	08/08/17 17:58	50-32-8	
Benzo(b)fluoranthene	31.6	ug/kg	12.1	3.6	1	08/08/17 10:02	08/08/17 17:58	205-99-2	
Benzo(g,h,i)perylene	30.9	ug/kg	8.7	2.6	1	08/08/17 10:02	08/08/17 17:58	191-24-2	
Benzo(k)fluoranthene	40.2	ug/kg	10.8	3.2	1	08/08/17 10:02	08/08/17 17:58	207-08-9	
Chrysene	40.0	ug/kg	14.4	4.3	1	08/08/17 10:02	08/08/17 17:58	218-01-9	
Dibenz(a,h)anthracene	9.4J	ug/kg	9.6	2.9	1	08/08/17 10:02	08/08/17 17:58	53-70-3	
Fluoranthene	85.8	ug/kg	22.4	6.7	1	08/08/17 10:02	08/08/17 17:58	206-44-0	
Fluorene	<5.3	ug/kg	17.8	5.3	1	08/08/17 10:02	08/08/17 17:58	86-73-7	
Indeno(1,2,3-cd)pyrene	26.0	ug/kg	9.5	2.8	1	08/08/17 10:02	08/08/17 17:58	193-39-5	
1-Methylnaphthalene	<5.2	ug/kg	17.3	5.2	1	08/08/17 10:02	08/08/17 17:58	90-12-0	
2-Methylnaphthalene	<6.4	ug/kg	21.5	6.4	1	08/08/17 10:02	08/08/17 17:58	91-57-6	
Naphthalene	<10.9	ug/kg	36.2	10.9	1	08/08/17 10:02	08/08/17 17:58	91-20-3	
Phenanthrene	45.1J	ug/kg	50.0	15.0	1	08/08/17 10:02	08/08/17 17:58	85-01-8	
Pyrene	67.7	ug/kg	19.3	5.8	1	08/08/17 10:02	08/08/17 17:58	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	55	%	19-96		1	08/08/17 10:02	08/08/17 17:58	321-60-8	
Terphenyl-d14 (S)	59	%	31-98		1	08/08/17 10:02	08/08/17 17:58	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/02/17 08:00	08/02/17 15:48	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/02/17 08:00	08/02/17 15:48	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/02/17 08:00	08/02/17 15:48	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/02/17 08:00	08/02/17 15:48	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: **SB-52, 4-5** Lab ID: **40154096010** Collected: 07/28/17 10:15 Received: 07/29/17 08:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	99-87-6	W
Methylene Chloride	34.0J	ug/kg	77.5	32.3	1	08/02/17 08:00	08/02/17 15:48	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/02/17 08:00	08/02/17 15:48	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/02/17 08:00	08/02/17 15:48	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/02/17 08:00	08/02/17 15:48	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 15:48	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	112	%	68-130		1	08/02/17 08:00	08/02/17 15:48	1868-53-7	
Toluene-d8 (S)	113	%	68-149		1	08/02/17 08:00	08/02/17 15:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-52, 4-5 **Lab ID: 40154096010** Collected: 07/28/17 10:15 Received: 07/29/17 08:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	97	%	58-141		1	08/02/17 08:00	08/02/17 15:48	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	22.5	%	0.10	0.10	1		07/31/17 16:12		

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ANALYTICAL RESULTS

Project: 0403363 KRAFT
Pace Project No.: 40154096

Sample: SB-29, 2-2.5 **Lab ID: 40154096011** Collected: 07/28/17 11:20 Received: 07/29/17 08:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<31.6	ug/kg	63.3	31.6	1	08/07/17 13:29	08/08/17 05:57	12674-11-2	
PCB-1221 (Aroclor 1221)	<31.6	ug/kg	63.3	31.6	1	08/07/17 13:29	08/08/17 05:57	11104-28-2	
PCB-1232 (Aroclor 1232)	<31.6	ug/kg	63.3	31.6	1	08/07/17 13:29	08/08/17 05:57	11141-16-5	
PCB-1242 (Aroclor 1242)	<31.6	ug/kg	63.3	31.6	1	08/07/17 13:29	08/08/17 05:57	53469-21-9	
PCB-1248 (Aroclor 1248)	<31.6	ug/kg	63.3	31.6	1	08/07/17 13:29	08/08/17 05:57	12672-29-6	
PCB-1254 (Aroclor 1254)	<31.6	ug/kg	63.3	31.6	1	08/07/17 13:29	08/08/17 05:57	11097-69-1	
PCB-1260 (Aroclor 1260)	<31.6	ug/kg	63.3	31.6	1	08/07/17 13:29	08/08/17 05:57	11096-82-5	
PCB, Total	<31.6	ug/kg	63.3	31.6	1	08/07/17 13:29	08/08/17 05:57	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	76	%	50-102		1	08/07/17 13:29	08/08/17 05:57	877-09-8	
Decachlorobiphenyl (S)	70	%	53-105		1	08/07/17 13:29	08/08/17 05:57	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	20.7J	mg/kg	28.8	6.0	5	07/31/17 15:24	08/02/17 09:08	7440-38-2	D3
Barium	299	mg/kg	0.58	0.17	1	07/31/17 15:24	08/01/17 16:26	7440-39-3	
Cadmium	0.85J	mg/kg	2.9	0.76	5	07/31/17 15:24	08/02/17 09:08	7440-43-9	D3
Chromium	20.5	mg/kg	1.2	0.32	1	07/31/17 15:24	08/01/17 16:26	7440-47-3	
Lead	242	mg/kg	7.5	2.5	5	07/31/17 15:24	08/02/17 09:08	7439-92-1	
Selenium	<1.3	mg/kg	5.8	1.3	1	07/31/17 15:24	08/01/17 16:26	7782-49-2	
Silver	0.69J	mg/kg	1.2	0.40	1	07/31/17 15:24	08/01/17 16:26	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.16	mg/kg	0.045	0.014	1	08/11/17 06:31	08/11/17 13:13	7439-97-6	
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<23.9	ug/kg	79.6	23.9	1	08/03/17 10:50	08/04/17 16:06	120-82-1	
1,2-Dichlorobenzene	<66.4	ug/kg	221	66.4	1	08/03/17 10:50	08/04/17 16:06	95-50-1	
1,3-Dichlorobenzene	<29.3	ug/kg	97.5	29.3	1	08/03/17 10:50	08/04/17 16:06	541-73-1	
1,4-Dichlorobenzene	<29.4	ug/kg	98.1	29.4	1	08/03/17 10:50	08/04/17 16:06	106-46-7	
2,2'-Oxybis(1-chloropropane)	<54.5	ug/kg	182	54.5	1	08/03/17 10:50	08/04/17 16:06	108-60-1	
2,4,5-Trichlorophenol	<37.3	ug/kg	124	37.3	1	08/03/17 10:50	08/04/17 16:06	95-95-4	
2,4,6-Trichlorophenol	<32.2	ug/kg	107	32.2	1	08/03/17 10:50	08/04/17 16:06	88-06-2	
2,4-Dichlorophenol	<56.5	ug/kg	188	56.5	1	08/03/17 10:50	08/04/17 16:06	120-83-2	
2,4-Dimethylphenol	<41.8	ug/kg	139	41.8	1	08/03/17 10:50	08/04/17 16:06	105-67-9	
2,4-Dinitrophenol	<64.4	ug/kg	215	64.4	1	08/03/17 10:50	08/04/17 16:06	51-28-5	
2,4-Dinitrotoluene	<30.2	ug/kg	101	30.2	1	08/03/17 10:50	08/04/17 16:06	121-14-2	
2,6-Dinitrotoluene	<40.1	ug/kg	134	40.1	1	08/03/17 10:50	08/04/17 16:06	606-20-2	
2-Chloronaphthalene	<27.1	ug/kg	90.4	27.1	1	08/03/17 10:50	08/04/17 16:06	91-58-7	
2-Chlorophenol	<52.7	ug/kg	176	52.7	1	08/03/17 10:50	08/04/17 16:06	95-57-8	
2-Methylnaphthalene	249	ug/kg	183	54.9	1	08/03/17 10:50	08/04/17 16:06	91-57-6	
2-Methylphenol(o-Cresol)	<38.4	ug/kg	128	38.4	1	08/03/17 10:50	08/04/17 16:06	95-48-7	
2-Nitroaniline	<60.2	ug/kg	201	60.2	1	08/03/17 10:50	08/04/17 16:06	88-74-4	
2-Nitrophenol	<66.7	ug/kg	222	66.7	1	08/03/17 10:50	08/04/17 16:06	88-75-5	
3&4-Methylphenol(m&p Cresol)	<38.7	ug/kg	129	38.7	1	08/03/17 10:50	08/04/17 16:06		
3,3'-Dichlorobenzidine	<57.3	ug/kg	191	57.3	1	08/03/17 10:50	08/04/17 16:06	91-94-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: SB-29, 2-2.5 **Lab ID: 40154096011** Collected: 07/28/17 11:20 Received: 07/29/17 08:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<35.9	ug/kg	120	35.9	1	08/03/17 10:50	08/04/17 16:06	99-09-2	
4,6-Dinitro-2-methylphenol	<65.1	ug/kg	217	65.1	1	08/03/17 10:50	08/04/17 16:06	534-52-1	
4-Bromophenylphenyl ether	<44.2	ug/kg	147	44.2	1	08/03/17 10:50	08/04/17 16:06	101-55-3	
4-Chloro-3-methylphenol	<65.7	ug/kg	219	65.7	1	08/03/17 10:50	08/04/17 16:06	59-50-7	
4-Chloroaniline	<34.7	ug/kg	116	34.7	1	08/03/17 10:50	08/04/17 16:06	106-47-8	
4-Chlorophenylphenyl ether	<39.4	ug/kg	131	39.4	1	08/03/17 10:50	08/04/17 16:06	7005-72-3	
4-Nitroaniline	<87.7	ug/kg	292	87.7	1	08/03/17 10:50	08/04/17 16:06	100-01-6	
4-Nitrophenol	<53.2	ug/kg	177	53.2	1	08/03/17 10:50	08/04/17 16:06	100-02-7	
Acenaphthene	141J	ug/kg	250	74.9	1	08/03/17 10:50	08/04/17 16:06	83-32-9	
Acenaphthylene	<75.4	ug/kg	251	75.4	1	08/03/17 10:50	08/04/17 16:06	208-96-8	
Anthracene	281	ug/kg	113	33.8	1	08/03/17 10:50	08/04/17 16:06	120-12-7	
Benzo(a)anthracene	603	ug/kg	109	32.7	1	08/03/17 10:50	08/04/17 16:06	56-55-3	
Benzo(a)pyrene	642	ug/kg	106	31.8	1	08/03/17 10:50	08/04/17 16:06	50-32-8	
Benzo(b)fluoranthene	737	ug/kg	121	36.3	1	08/03/17 10:50	08/04/17 16:06	205-99-2	
Benzo(g,h,i)perylene	455	ug/kg	184	55.3	1	08/03/17 10:50	08/04/17 16:06	191-24-2	
Benzo(k)fluoranthene	266	ug/kg	169	50.6	1	08/03/17 10:50	08/04/17 16:06	207-08-9	
Butylbenzylphthalate	<33.9	ug/kg	113	33.9	1	08/03/17 10:50	08/04/17 16:06	85-68-7	
Carbazole	125	ug/kg	110	33.1	1	08/03/17 10:50	08/04/17 16:06	86-74-8	
Chrysene	614	ug/kg	105	31.6	1	08/03/17 10:50	08/04/17 16:06	218-01-9	
Di-n-butylphthalate	<31.6	ug/kg	105	31.6	1	08/03/17 10:50	08/04/17 16:06	84-74-2	
Di-n-octylphthalate	<47.5	ug/kg	158	47.5	1	08/03/17 10:50	08/04/17 16:06	117-84-0	
Dibenz(a,h)anthracene	94.1J	ug/kg	191	57.4	1	08/03/17 10:50	08/04/17 16:06	53-70-3	
Dibenzofuran	66.4J	ug/kg	85.2	25.6	1	08/03/17 10:50	08/04/17 16:06	132-64-9	
Diethylphthalate	<35.0	ug/kg	117	35.0	1	08/03/17 10:50	08/04/17 16:06	84-66-2	
Dimethylphthalate	<27.5	ug/kg	91.6	27.5	1	08/03/17 10:50	08/04/17 16:06	131-11-3	
Fluoranthene	1580	ug/kg	99.7	29.9	1	08/03/17 10:50	08/04/17 16:06	206-44-0	
Fluorene	140	ug/kg	82.3	24.7	1	08/03/17 10:50	08/04/17 16:06	86-73-7	
Hexachloro-1,3-butadiene	<53.8	ug/kg	179	53.8	1	08/03/17 10:50	08/04/17 16:06	87-68-3	
Hexachlorobenzene	<35.5	ug/kg	118	35.5	1	08/03/17 10:50	08/04/17 16:06	118-74-1	
Hexachlorocyclopentadiene	<50.0	ug/kg	167	50.0	1	08/03/17 10:50	08/04/17 16:06	77-47-4	
Hexachloroethane	<33.8	ug/kg	113	33.8	1	08/03/17 10:50	08/04/17 16:06	67-72-1	
Indeno(1,2,3-cd)pyrene	477	ug/kg	152	45.7	1	08/03/17 10:50	08/04/17 16:06	193-39-5	
Isophorone	<32.5	ug/kg	108	32.5	1	08/03/17 10:50	08/04/17 16:06	78-59-1	
N-Nitroso-di-n-propylamine	<33.5	ug/kg	112	33.5	1	08/03/17 10:50	08/04/17 16:06	621-64-7	
N-Nitrosodiphenylamine	<287	ug/kg	956	287	1	08/03/17 10:50	08/04/17 16:06	86-30-6	
Naphthalene	352	ug/kg	246	73.9	1	08/03/17 10:50	08/04/17 16:06	91-20-3	
Nitrobenzene	<42.8	ug/kg	143	42.8	1	08/03/17 10:50	08/04/17 16:06	98-95-3	
Pentachlorophenol	<46.5	ug/kg	155	46.5	1	08/03/17 10:50	08/04/17 16:06	87-86-5	
Phenanthrene	1240	ug/kg	90.3	27.1	1	08/03/17 10:50	08/04/17 16:06	85-01-8	
Phenol	<50.1	ug/kg	167	50.1	1	08/03/17 10:50	08/04/17 16:06	108-95-2	
Pyrene	1310	ug/kg	156	46.8	1	08/03/17 10:50	08/04/17 16:06	129-00-0	
bis(2-Chloroethoxy)methane	<56.9	ug/kg	190	56.9	1	08/03/17 10:50	08/04/17 16:06	111-91-1	
bis(2-Chloroethyl) ether	<66.0	ug/kg	220	66.0	1	08/03/17 10:50	08/04/17 16:06	111-44-4	
bis(2-Ethylhexyl)phthalate	<35.1	ug/kg	117	35.1	1	08/03/17 10:50	08/04/17 16:06	117-81-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: **SB-29, 2-2.5** Lab ID: **40154096011** Collected: 07/28/17 11:20 Received: 07/29/17 08:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Nitrobenzene-d5 (S)	91	%	13-114		1	08/03/17 10:50	08/04/17 16:06	4165-60-0	
2-Fluorobiphenyl (S)	74	%	18-127		1	08/03/17 10:50	08/04/17 16:06	321-60-8	
Terphenyl-d14 (S)	90	%	41-109		1	08/03/17 10:50	08/04/17 16:06	1718-51-0	
Phenol-d6 (S)	84	%	30-97		1	08/03/17 10:50	08/04/17 16:06	13127-88-3	
2-Fluorophenol (S)	83	%	16-103		1	08/03/17 10:50	08/04/17 16:06	367-12-4	
2,4,6-Tribromophenol (S)	110	%	13-143		1	08/03/17 10:50	08/04/17 16:06	118-79-6	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/02/17 08:00	08/02/17 16:11	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/02/17 08:00	08/02/17 16:11	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/02/17 08:00	08/02/17 16:11	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/02/17 08:00	08/02/17 16:11	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	108-20-3	W

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ANALYTICAL RESULTS

Project: 0403363 KRAFT
Pace Project No.: 40154096

Sample: **SB-29, 2-2.5** Lab ID: **40154096011** Collected: 07/28/17 11:20 Received: 07/29/17 08:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/02/17 08:00	08/02/17 16:11	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/02/17 08:00	08/02/17 16:11	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/02/17 08:00	08/02/17 16:11	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/02/17 08:00	08/02/17 16:11	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	136	%	68-130		1	08/02/17 08:00	08/02/17 16:11	1868-53-7	S3
Toluene-d8 (S)	140	%	68-149		1	08/02/17 08:00	08/02/17 16:11	2037-26-5	
4-Bromofluorobenzene (S)	118	%	58-141		1	08/02/17 08:00	08/02/17 16:11	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	21.0	%	0.10	0.10	1		07/31/17 16:12		

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: TRIP BLANK **Lab ID: 40154096012** Collected: 07/28/17 00:00 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/01/17 13:10	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/01/17 13:10	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/01/17 13:10	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/01/17 13:10	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/01/17 13:10	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/01/17 13:10	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/01/17 13:10	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/01/17 13:10	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/01/17 13:10	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/01/17 13:10	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/01/17 13:10	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/01/17 13:10	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/01/17 13:10	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/01/17 13:10	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/01/17 13:10	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/01/17 13:10	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/01/17 13:10	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/01/17 13:10	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/01/17 13:10	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/01/17 13:10	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/01/17 13:10	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/01/17 13:10	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/01/17 13:10	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/01/17 13:10	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/01/17 13:10	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/01/17 13:10	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/01/17 13:10	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154096

Sample: TRIP BLANK **Lab ID: 40154096012** Collected: 07/28/17 00:00 Received: 07/29/17 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/01/17 13:10	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/01/17 13:10	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/01/17 13:10	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/01/17 13:10	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/01/17 13:10	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/01/17 13:10	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/01/17 13:10	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/01/17 13:10	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/01/17 13:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	61-130		1		08/01/17 13:10	460-00-4	
Dibromofluoromethane (S)	108	%	67-130		1		08/01/17 13:10	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		08/01/17 13:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154096

QC Batch: 263327 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40154096008, 40154096009, 40154096010, 40154096011

METHOD BLANK: 1549561 Matrix: Solid
Associated Lab Samples: 40154096008, 40154096009, 40154096010, 40154096011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4-Bromofluorobenzene (S)	%	92	58-141	08/02/17 09:07	
Dibromofluoromethane (S)	%	106	68-130	08/02/17 09:07	
Toluene-d8 (S)	%	107	68-149	08/02/17 09:07	

LABORATORY CONTROL SAMPLE: 1549562

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			99	58-141	
Dibromofluoromethane (S)	%			105	68-130	
Toluene-d8 (S)	%			107	68-149	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1549563 1549564

Parameter	Units	40154171005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
4-Bromofluorobenzene (S)	%						100	99	58-141		
Dibromofluoromethane (S)	%						108	108	68-130		
Toluene-d8 (S)	%						111	109	68-149		

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154096

QC Batch: 263057 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40154096001, 40154096002, 40154096003, 40154096004, 40154096005, 40154096006, 40154096007, 40154096012

METHOD BLANK: 1548213 Matrix: Water
Associated Lab Samples: 40154096001, 40154096002, 40154096003, 40154096004, 40154096005, 40154096006, 40154096007, 40154096012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4-Bromofluorobenzene (S)	%	88	61-130	08/01/17 11:19	
Dibromofluoromethane (S)	%	108	67-130	08/01/17 11:19	
Toluene-d8 (S)	%	97	70-130	08/01/17 11:19	

LABORATORY CONTROL SAMPLE: 1548214

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			103	61-130	
Dibromofluoromethane (S)	%			98	67-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1548424 1548425

Parameter	Units	40154082001		1548425		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					
4-Bromofluorobenzene (S)	%					100	102	61-130		pH
Dibromofluoromethane (S)	%					98	98	67-130		
Toluene-d8 (S)	%					99	101	70-130		

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154096

QC Batch: 263201 Analysis Method: EPA 8082
QC Batch Method: EPA 3541 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 40154096008, 40154096009

METHOD BLANK: 1548689 Matrix: Solid
Associated Lab Samples: 40154096008, 40154096009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Decachlorobiphenyl (S)	%	86	53-105	08/02/17 10:24	
Tetrachloro-m-xylene (S)	%	68	50-102	08/02/17 10:24	

LABORATORY CONTROL SAMPLE: 1548690

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Decachlorobiphenyl (S)	%			85	53-105	
Tetrachloro-m-xylene (S)	%			71	50-102	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1548691 1548692

Parameter	Units	40154096008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Decachlorobiphenyl (S)	%						69	64	53-105			
Tetrachloro-m-xylene (S)	%						53	48	50-102			S0

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154096

QC Batch: 263757 Analysis Method: EPA 8082
QC Batch Method: EPA 3541 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 40154096011

METHOD BLANK: 1552400 Matrix: Solid
Associated Lab Samples: 40154096011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Decachlorobiphenyl (S)	%	76	53-105	08/08/17 01:33	
Tetrachloro-m-xylene (S)	%	72	50-102	08/08/17 01:33	

LABORATORY CONTROL SAMPLE: 1552401

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Decachlorobiphenyl (S)	%			80	53-105	
Tetrachloro-m-xylene (S)	%			76	50-102	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1552402 1552403

Parameter	Units	40154307017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Decachlorobiphenyl (S)	%						78	79	53-105			
Tetrachloro-m-xylene (S)	%						75	76	50-102			

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154096

QC Batch: 263824	Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546	Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 40154096010	

METHOD BLANK: 1552615 Matrix: Solid
Associated Lab Samples: 40154096010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2-Fluorobiphenyl (S)	%	67	19-96	08/08/17 16:31	
Terphenyl-d14 (S)	%	85	31-98	08/08/17 16:31	

LABORATORY CONTROL SAMPLE: 1552616

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Fluorobiphenyl (S)	%			70	19-96	
Terphenyl-d14 (S)	%			72	31-98	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1552617 1552618

Parameter	Units	40154163003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
2-Fluorobiphenyl (S)	%						64	65	19-96		
Terphenyl-d14 (S)	%						63	63	31-98		

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154096

QC Batch: 263410 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 40154096008, 40154096009, 40154096011

METHOD BLANK: 1550145 Matrix: Solid
Associated Lab Samples: 40154096008, 40154096009, 40154096011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,6-Tribromophenol (S)	%	104	13-143	08/03/17 11:24	
2-Fluorobiphenyl (S)	%	94	18-127	08/03/17 11:24	
2-Fluorophenol (S)	%	93	16-103	08/03/17 11:24	
Nitrobenzene-d5 (S)	%	100	13-114	08/03/17 11:24	
Phenol-d6 (S)	%	93	30-97	08/03/17 11:24	
Terphenyl-d14 (S)	%	102	41-109	08/03/17 11:24	

LABORATORY CONTROL SAMPLE: 1550146

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,6-Tribromophenol (S)	%			103	13-143	
2-Fluorobiphenyl (S)	%			89	18-127	
2-Fluorophenol (S)	%			80	16-103	
Nitrobenzene-d5 (S)	%			88	13-114	
Phenol-d6 (S)	%			84	30-97	
Terphenyl-d14 (S)	%			97	41-109	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1550147 1550148

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40153864002 Result	Spike Conc.	Spike Conc.	MS Result					
2,4,6-Tribromophenol (S)	%					71	76	13-143		
2-Fluorobiphenyl (S)	%					83	81	18-127		
2-Fluorophenol (S)	%					74	64	16-103		
Nitrobenzene-d5 (S)	%					85	78	13-114		
Phenol-d6 (S)	%					77	72	30-97		
Terphenyl-d14 (S)	%					88	86	41-109		

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154096

QC Batch: 263409 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 40154096001, 40154096002, 40154096003, 40154096004, 40154096005, 40154096007

METHOD BLANK: 1550142 Matrix: Water
Associated Lab Samples: 40154096001, 40154096002, 40154096003, 40154096004, 40154096005, 40154096007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,6-Tribromophenol (S)	%	105	65-140	08/03/17 12:28	
2-Fluorobiphenyl (S)	%	79	59-109	08/03/17 12:28	
2-Fluorophenol (S)	%	55	27-67	08/03/17 12:28	
Nitrobenzene-d5 (S)	%	94	53-100	08/03/17 12:28	
Phenol-d6 (S)	%	35	18-120	08/03/17 12:28	
Terphenyl-d14 (S)	%	103	59-108	08/03/17 12:28	

Parameter	Units	1550143		1550144		% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCS Result	LCSD Result				
2,4,6-Tribromophenol (S)	%			114	112	65-140			
2-Fluorobiphenyl (S)	%			88	90	59-109			
2-Fluorophenol (S)	%			56	60	27-67			
Nitrobenzene-d5 (S)	%			99	97	53-100			
Phenol-d6 (S)	%			38	37	18-120			
Terphenyl-d14 (S)	%			105	105	59-108			

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154096

QC Batch: 263450 Analysis Method: EPA 8270 by HVI
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by HVI
Associated Lab Samples: 40154096006

METHOD BLANK: 1550326 Matrix: Water
Associated Lab Samples: 40154096006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2-Fluorobiphenyl (S)	%	42	35-84	08/03/17 16:04	
Terphenyl-d14 (S)	%	63	10-129	08/03/17 16:04	

LABORATORY CONTROL SAMPLE: 1550327

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Fluorobiphenyl (S)	%			55	35-84	
Terphenyl-d14 (S)	%			82	10-129	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1550362 1550363

Parameter	Units	40154178001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Fluorobiphenyl (S)	%						52	50	35-84			
Terphenyl-d14 (S)	%						74	68	10-129			

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QUALIFIERS

Project: 0403363 KRAFT
Pace Project No.: 40154096

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above LOD.
J - Estimated concentration at or above the LOD and below the LOQ.
LOD - Limit of Detection adjusted for dilution factor and percent moisture.
LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: 263499

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 263918

[IP] Benzo(b)fluoranthene and benzo(k)fluoranthene were in the check standard but did not meet the resolution criteria in SW846 Method 8270C. Whereas sample results included are reported as individual isomers, the lab and the customer must recognize them as an isomeric pair.

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
E Analyte concentration exceeded the calibration range. The reported result is estimated.
S0 Surrogate recovery outside laboratory control limits.
S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.
S4 Surrogate recovery not evaluated against control limits due to sample dilution.
W Non-detect results are reported on a wet weight basis.
pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0403363 KRAFT

Pace Project No.: 40154096

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40154096008	SB-38, 8-10	EPA 3541	263201	EPA 8082	263205
40154096009	SB-33, 2.5-3	EPA 3541	263201	EPA 8082	263205
40154096011	SB-29, 2-2.5	EPA 3541	263757	EPA 8082	263760
40154096008	SB-38, 8-10	EPA 3050	263096	EPA 6010	263238
40154096009	SB-33, 2.5-3	EPA 3050	263096	EPA 6010	263238
40154096010	SB-52, 4-5	EPA 3050	263096	EPA 6010	263238
40154096011	SB-29, 2-2.5	EPA 3050	263096	EPA 6010	263238
40154096001	SB-37-S	EPA 3010	263196	EPA 6010	263303
40154096002	SB-36-D	EPA 3010	263196	EPA 6010	263303
40154096003	SB-37-D	EPA 3010	263196	EPA 6010	263303
40154096004	SB-38-S	EPA 3010	263196	EPA 6010	263303
40154096005	SB-33-S	EPA 3010	263196	EPA 6010	263303
40154096006	SB-52-S	EPA 3010	263196	EPA 6010	263303
40154096007	SB-29-S	EPA 3010	263196	EPA 6010	263303
40154096001	SB-37-S	EPA 7470	263725	EPA 7470	263775
40154096002	SB-36-D	EPA 7470	263725	EPA 7470	263775
40154096003	SB-37-D	EPA 7470	263725	EPA 7470	263775
40154096004	SB-38-S	EPA 7470	263725	EPA 7470	263775
40154096005	SB-33-S	EPA 7470	263725	EPA 7470	263775
40154096007	SB-29-S	EPA 7470	263725	EPA 7470	263775
40154096008	SB-38, 8-10	EPA 7471	264196	EPA 7471	264292
40154096009	SB-33, 2.5-3	EPA 7471	264196	EPA 7471	264292
40154096011	SB-29, 2-2.5	EPA 7471	264196	EPA 7471	264292
40154096010	SB-52, 4-5	EPA 3546	263824	EPA 8270 by SIM	263918
40154096008	SB-38, 8-10	EPA 3546	263410	EPA 8270	263457
40154096009	SB-33, 2.5-3	EPA 3546	263410	EPA 8270	263457
40154096011	SB-29, 2-2.5	EPA 3546	263410	EPA 8270	263457
40154096001	SB-37-S	EPA 3510	263409	EPA 8270	263499
40154096002	SB-36-D	EPA 3510	263409	EPA 8270	263499
40154096003	SB-37-D	EPA 3510	263409	EPA 8270	263499
40154096004	SB-38-S	EPA 3510	263409	EPA 8270	263499
40154096005	SB-33-S	EPA 3510	263409	EPA 8270	263499
40154096007	SB-29-S	EPA 3510	263409	EPA 8270	263499
40154096006	SB-52-S	EPA 3510	263450	EPA 8270 by HVI	263511
40154096008	SB-38, 8-10	EPA 5035/5030B	263327	EPA 8260	263342
40154096009	SB-33, 2.5-3	EPA 5035/5030B	263327	EPA 8260	263342
40154096010	SB-52, 4-5	EPA 5035/5030B	263327	EPA 8260	263342
40154096011	SB-29, 2-2.5	EPA 5035/5030B	263327	EPA 8260	263342
40154096001	SB-37-S	EPA 8260	263057		
40154096002	SB-36-D	EPA 8260	263057		
40154096003	SB-37-D	EPA 8260	263057		
40154096004	SB-38-S	EPA 8260	263057		
40154096005	SB-33-S	EPA 8260	263057		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0403363 KRAFT

Pace Project No.: 40154096

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40154096006	SB-52-S	EPA 8260	263057		
40154096007	SB-29-S	EPA 8260	263057		
40154096012	TRIP BLANK	EPA 8260	263057		
40154096008	SB-38, 8-10	ASTM D2974-87	263915		
40154096009	SB-33, 2.5-3	ASTM D2974-87	263915		
40154096010	SB-52, 4-5	ASTM D2974-87	263115		
40154096011	SB-29, 2-2.5	ASTM D2974-87	263115		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **ERM**
 Branch/Location: **Holland MI**
 Project Contact: **Andrew Dewitt / David Burt**
 Phone: **616-443-8634**
 Project Number: **04103303**
 Project Name: **K2A**
 Project State: **MI**
 Sampled By (Print): **Andrew Dewitt Phil Kistler**
 Sampled By (Sign): *[Signature]*
 PO #: **Regulatory**



CHAIN OF CUSTODY

Matrix Codes: A=Air, B=Biota, C=Charcoal, O=Oil, S=Soil, SI=Sludge, W=Water, DW=Drinking Water, GW=Ground Water, SW=Surface Water, WW=Waste Water, WP=Wipe
 Preservation Codes: A=None, B=HCl, C=H2SO4, D=HNO3, E=DI Water, F=Methanol, G=NaOH, H=Sodium Bisulfate Solution, I=Sodium Thiosulfate, J=Other

PAGE LAB #	CLIENT FIELD ID	DATE	COLLECTION TIME	MATRIX	Analyses Requested	
					Y/N	Pick Letter
001	SB-37-S	7/27/17	14:10	GW	X	Metals
002	SB-36-D	7/27/17	15:20	GW	X	VOCs
003	SB-37-D	7/27/17	16:05	GW	X	SVOCs
004	SB-38-S	7/27/17	16:40	GW	X	PAH
005	SB-33-S	7/28/17	9:45	GW	X	LEAD
006	SB-52-S	7/28/17	10:50	GW	X	PCBs
007	SB-29-S	7/28/17	11:30	GW	X	
008	SB-38, 8-10	7/27/17	16:35	S	X	
009	SB-33, 25-3	7/28/17	9:30	S	X	
010	SB-52, 4-5	11	19:15	S	X	
011	SB-29, 2-2.5	11	11:20	S	X	
012	Trip Blank					

Filtered? (YES/NO)
 Preservation (CODE):
 Relinquished By: *[Signature]* Date/Time: **18:30**
 Relinquished By: **CS Logistics** Date/Time: **7/29/17 08:20**
 Relinquished By: *[Signature]* Date/Time: **7/29/17 08:20**

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1
 40154096
 Page 63 of 64

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	Andrew Dewitt
Invoice To Company:	ERM
Invoice To Address:	andrew.dewitt@erm.com
Invoice To Phone:	
CLIENT COMMENTS	
LAB COMMENTS (Lab Use Only)	3-40mL ^B 1-250mL ^P 2-120mL ^A
Profile #	

DATE Project No. **40154096**
 Receipt Temp = **RO1** °C
 Sample Receipt pH **OK / Adjusted**
 Cooler Custody Seal Present / Not Present **Intact / Not Intact**

1 Trip Blank added to COC by lab 7-29-17 KR



Sample Condition Upon Receipt

Pace Analytical Services, LLC. - Green Bay WI
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Project # WO#: 40154096

Client Name: ERM

Courier: Fed Ex UPS Client Pace Other: CS Logistics

Tracking #: 597.072717



Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used NA Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: Rot ICorr: Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Person examining contents:
Date: 7-29-17
Initials: KR

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Comments:

Table with 15 rows of inspection items and checkboxes. Includes items like 'Chain of Custody Present', 'Short Hold Time Analysis', 'Rush Turn Around Time Requested', etc.

Client Notification/ Resolution:
Person Contacted: Date/Time:
Comments/ Resolution:

Project Manager Review: AL for DM Date: 7-29-17

August 15, 2017

Andrew DeWitt
ERM, Inc.
3352 128th Avenue
Holland, MI 49424

RE: Project: 0403363 KRAFT
Pace Project No.: 40154221

Dear Andrew DeWitt:

Enclosed are the analytical results for sample(s) received by the laboratory on August 01, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Carl Stay, ERM, Inc.
David deCourcy-Bower, ERM, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 0403363 KRAFT

Pace Project No.: 40154221

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40154221001	SB-14-S	Water	07/28/17 14:10	08/01/17 09:55
40154221002	SB-15-S	Water	07/28/17 14:45	08/01/17 09:55
40154221003	SB-13-S	Water	07/28/17 15:20	08/01/17 09:55
40154221004	SB-18-S	Water	07/28/17 16:20	08/01/17 09:55
40154221005	SB-10-S	Water	07/28/17 17:10	08/01/17 09:55
40154221006	SB-11-S	Water	07/31/17 09:15	08/01/17 09:55
40154221007	SB-19-S	Water	07/31/17 10:00	08/01/17 09:55
40154221008	SB-23-S	Water	07/31/17 10:40	08/01/17 09:55
40154221009	SB-22-S	Water	07/31/17 12:05	08/01/17 09:55
40154221010	SB-14 3-4	Solid	07/28/17 14:05	08/01/17 09:55
40154221011	SB-15 5-7	Solid	07/28/17 14:25	08/01/17 09:55
40154221012	SB-13 1.5-2	Solid	07/28/17 14:50	08/01/17 09:55
40154221013	SB-18 4-5	Solid	07/28/17 16:20	08/01/17 09:55
40154221014	SB-19 1.5-2	Solid	07/31/17 09:30	08/01/17 09:55
40154221015	SB-11 4-5	Solid	07/31/17 08:55	08/01/17 09:55
40154221016	SB-23 2-2.5	Solid	07/31/17 11:00	08/01/17 09:55
40154221017	SB-22 4-5	Solid	07/31/17 11:45	08/01/17 09:55
40154221018	SB-3 8-10	Solid	07/31/17 11:50	08/01/17 09:55
40154221019	SB-1 1-1.5	Solid	07/31/17 12:50	08/01/17 09:55
40154221020	SB-20 3-4	Solid	07/31/17 12:15	08/01/17 09:55
40154221021	TRIP BLANK	Water	07/31/17 00:00	08/01/17 09:55

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 0403363 KRAFT

Pace Project No.: 40154221

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40154221001	SB-14-S	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	LAP	64	PASI-G
40154221002	SB-15-S	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	LAP	64	PASI-G
40154221003	SB-13-S	EPA 6010	DLB	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40154221004	SB-18-S	EPA 6010	DLB	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40154221005	SB-10-S	EPA 6010	DLB	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40154221006	SB-11-S	EPA 6010	DLB	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	MDS	64	PASI-G
40154221007	SB-19-S	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	MDS	64	PASI-G
40154221008	SB-23-S	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	MDS	64	PASI-G
40154221009	SB-22-S	EPA 6010	DLB	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	MDS	64	PASI-G
40154221010	SB-14 3-4	EPA 8082	BDS	10	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	LAP	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 0403363 KRAFT
Pace Project No.: 40154221

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40154221011	SB-15 5-7	EPA 8082	BDS	10	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	SMT	64	PASI-G
40154221012	SB-13 1.5-2	ASTM D2974-87	SKW	1	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
40154221013	SB-18 4-5	ASTM D2974-87	SKW	1	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
40154221014	SB-19 1.5-2	ASTM D2974-87	SKW	1	PASI-G
		EPA 8082	BDS	10	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
40154221015	SB-11 4-5	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
40154221016	SB-23 2-2.5	ASTM D2974-87	AH	1	PASI-G
		EPA 8082	BDS	10	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
40154221017	SB-22 4-5	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	AH	1	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40154221018	SB-3 8-10	ASTM D2974-87	AH	1	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G

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SAMPLE ANALYTE COUNT

Project: 0403363 KRAFT

Pace Project No.: 40154221

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40154221019	SB-1 1-1.5	ASTM D2974-87	AH	1	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40154221020	SB-20 3-4	ASTM D2974-87	AH	1	PASI-G
		EPA 8082	BDS	10	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	LAP	64	PASI-G
40154221021	TRIP BLANK	ASTM D2974-87	AH	1	PASI-G
		EPA 8260	MDS	64	PASI-G

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 0403363 KRAFT
Pace Project No.: 40154221

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40154221001	SB-14-S					
EPA 6010	Arsenic	29.6	ug/L	25.0	08/04/17 11:13	
EPA 6010	Barium	213	ug/L	5.0	08/04/17 11:13	
EPA 6010	Chromium	19.5	ug/L	10.0	08/04/17 11:13	
EPA 6010	Lead	26.9	ug/L	13.0	08/04/17 11:13	
EPA 8270	Acenaphthene	50.2	ug/L	17.0	08/04/17 11:29	
EPA 8270	Anthracene	38.5	ug/L	22.9	08/04/17 11:29	
EPA 8270	Benzo(a)anthracene	36.5	ug/L	6.8	08/04/17 11:29	
EPA 8270	Benzo(a)pyrene	31.1	ug/L	23.9	08/04/17 11:29	
EPA 8270	Benzo(b)fluoranthene	40.4	ug/L	8.3	08/04/17 11:29	
EPA 8270	Benzo(g,h,i)perylene	19.1	ug/L	10.3	08/04/17 11:29	
EPA 8270	Benzo(k)fluoranthene	17.4	ug/L	12.7	08/04/17 11:29	
EPA 8270	Carbazole	120	ug/L	9.5	08/04/17 11:29	
EPA 8270	Chrysene	41.4	ug/L	22.1	08/04/17 11:29	
EPA 8270	Dibenzofuran	30.9	ug/L	9.8	08/04/17 11:29	
EPA 8270	Fluoranthene	108	ug/L	7.2	08/04/17 11:29	
EPA 8270	Fluorene	48.4	ug/L	9.5	08/04/17 11:29	
EPA 8270	Indeno(1,2,3-cd)pyrene	22.8	ug/L	19.0	08/04/17 11:29	
EPA 8270	Naphthalene	51.0	ug/L	24.1	08/04/17 11:29	
EPA 8270	Phenanthrene	125	ug/L	23.1	08/04/17 11:29	
EPA 8270	Pyrene	78.6	ug/L	17.1	08/04/17 11:29	
EPA 8260	Benzene	0.56J	ug/L	1.0	08/03/17 18:52	
EPA 8260	Chloroethane	1.4	ug/L	1.0	08/03/17 18:52	
EPA 8260	1,2-Dichloroethane	5.4	ug/L	1.0	08/03/17 18:52	
EPA 8260	trans-1,2-Dichloroethene	0.40J	ug/L	1.0	08/03/17 18:52	
EPA 8260	Diisopropyl ether	7.7	ug/L	1.0	08/03/17 18:52	
EPA 8260	Naphthalene	48.6	ug/L	5.0	08/03/17 18:52	
EPA 8260	Toluene	0.73J	ug/L	1.0	08/03/17 18:52	
EPA 8260	Vinyl chloride	0.94J	ug/L	1.0	08/03/17 18:52	
40154221002	SB-15-S					
EPA 6010	Arsenic	8.4J	ug/L	25.0	08/04/17 11:20	
EPA 6010	Barium	124	ug/L	5.0	08/04/17 11:20	
EPA 6010	Chromium	7.3J	ug/L	10.0	08/04/17 11:20	
EPA 6010	Lead	11.5J	ug/L	13.0	08/04/17 11:20	
EPA 8260	1,2-Dichloroethane	1630	ug/L	20.0	08/03/17 14:32	M1
EPA 8260	1,1,2-Trichloroethane	12.8J	ug/L	20.0	08/03/17 14:32	
EPA 8260	Vinyl chloride	17.7J	ug/L	20.0	08/03/17 14:32	
40154221003	SB-13-S					
EPA 6010	Lead	67.6	ug/L	13.0	08/04/17 11:22	
EPA 8270 by HVI	Acenaphthene	0.018J	ug/L	0.029	08/03/17 20:09	
EPA 8270 by HVI	Benzo(a)anthracene	0.12	ug/L	0.037	08/03/17 20:09	
EPA 8270 by HVI	Benzo(a)pyrene	0.17	ug/L	0.051	08/03/17 20:09	
EPA 8270 by HVI	Benzo(b)fluoranthene	0.23	ug/L	0.028	08/03/17 20:09	
EPA 8270 by HVI	Benzo(g,h,i)perylene	0.13	ug/L	0.033	08/03/17 20:09	
EPA 8270 by HVI	Benzo(k)fluoranthene	0.13	ug/L	0.037	08/03/17 20:09	
EPA 8270 by HVI	Chrysene	0.26	ug/L	0.063	08/03/17 20:09	
EPA 8270 by HVI	Dibenz(a,h)anthracene	0.024J	ug/L	0.049	08/03/17 20:09	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 0403363 KRAFT

Pace Project No.: 40154221

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40154221003	SB-13-S					
EPA 8270 by HVI	Fluoranthene	0.36	ug/L	0.052	08/03/17 20:09	
EPA 8270 by HVI	Indeno(1,2,3-cd)pyrene	0.096	ug/L	0.086	08/03/17 20:09	
EPA 8270 by HVI	Phenanthrene	0.19	ug/L	0.067	08/03/17 20:09	
EPA 8270 by HVI	Pyrene	0.33	ug/L	0.037	08/03/17 20:09	
EPA 8260	1,2-Dichloroethane	6.1	ug/L	1.0	08/03/17 19:14	
40154221004	SB-18-S					
EPA 6010	Lead	2670	ug/L	65.0	08/04/17 11:55	
EPA 8270 by HVI	Acenaphthene	0.043	ug/L	0.030	08/03/17 20:25	
EPA 8270 by HVI	Acenaphthylene	0.017J	ug/L	0.024	08/03/17 20:25	
EPA 8270 by HVI	Anthracene	0.018J	ug/L	0.051	08/03/17 20:25	
EPA 8270 by HVI	Benzo(a)anthracene	0.16	ug/L	0.037	08/03/17 20:25	
EPA 8270 by HVI	Benzo(a)pyrene	0.20	ug/L	0.052	08/03/17 20:25	
EPA 8270 by HVI	Benzo(b)fluoranthene	0.26	ug/L	0.028	08/03/17 20:25	
EPA 8270 by HVI	Benzo(g,h,i)perylene	0.14	ug/L	0.033	08/03/17 20:25	
EPA 8270 by HVI	Benzo(k)fluoranthene	0.14	ug/L	0.037	08/03/17 20:25	
EPA 8270 by HVI	Chrysene	0.26	ug/L	0.064	08/03/17 20:25	
EPA 8270 by HVI	Dibenz(a,h)anthracene	0.027J	ug/L	0.049	08/03/17 20:25	
EPA 8270 by HVI	Fluoranthene	0.41	ug/L	0.052	08/03/17 20:25	
EPA 8270 by HVI	Fluorene	0.039J	ug/L	0.039	08/03/17 20:25	
EPA 8270 by HVI	Indeno(1,2,3-cd)pyrene	0.10	ug/L	0.086	08/03/17 20:25	
EPA 8270 by HVI	1-Methylnaphthalene	0.012J	ug/L	0.029	08/03/17 20:25	
EPA 8270 by HVI	Naphthalene	0.025J	ug/L	0.090	08/03/17 20:25	
EPA 8270 by HVI	Phenanthrene	0.23	ug/L	0.068	08/03/17 20:25	
EPA 8270 by HVI	Pyrene	0.39	ug/L	0.038	08/03/17 20:25	
EPA 8260	1,2-Dichloroethane	1.4	ug/L	1.0	08/03/17 18:29	
40154221005	SB-10-S					
EPA 6010	Lead	70.7	ug/L	13.0	08/04/17 11:28	
EPA 8270 by HVI	Fluoranthene	0.024J	ug/L	0.049	08/04/17 10:39	
EPA 8270 by HVI	Phenanthrene	0.028J	ug/L	0.063	08/04/17 10:39	
EPA 8270 by HVI	Pyrene	0.060	ug/L	0.035	08/04/17 10:39	
40154221006	SB-11-S					
EPA 6010	Lead	54.9	ug/L	13.0	08/04/17 11:35	
EPA 8270 by HVI	Fluorene	0.41J	ug/L	1.1	08/04/17 18:37	
EPA 8270 by HVI	1-Methylnaphthalene	32.3	ug/L	0.84	08/04/17 18:37	
EPA 8270 by HVI	2-Methylnaphthalene	75.4	ug/L	0.70	08/04/17 18:37	
EPA 8270 by HVI	Naphthalene	290	ug/L	2.6	08/04/17 18:37	
EPA 8270 by HVI	Phenanthrene	0.49J	ug/L	2.0	08/04/17 18:37	
EPA 8270 by HVI	Pyrene	0.41J	ug/L	1.1	08/04/17 18:37	B
EPA 8260	Benzene	1770	ug/L	250	08/03/17 18:20	
EPA 8260	Ethylbenzene	2700	ug/L	250	08/03/17 18:20	
EPA 8260	Isopropylbenzene (Cumene)	75.8J	ug/L	250	08/03/17 18:20	
EPA 8260	n-Propylbenzene	229J	ug/L	250	08/03/17 18:20	
EPA 8260	Toluene	12900	ug/L	250	08/03/17 18:20	
EPA 8260	1,2,4-Trimethylbenzene	1620	ug/L	250	08/03/17 18:20	
EPA 8260	1,3,5-Trimethylbenzene	485	ug/L	250	08/03/17 18:20	
EPA 8260	m&p-Xylene	9460	ug/L	500	08/03/17 18:20	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 0403363 KRAFT

Pace Project No.: 40154221

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40154221006	SB-11-S					
EPA 8260	o-Xylene	4610	ug/L	250	08/03/17 18:20	
40154221007	SB-19-S					
EPA 6010	Arsenic	13.5J	ug/L	25.0	08/04/17 11:37	
EPA 6010	Barium	432	ug/L	5.0	08/04/17 11:37	
EPA 6010	Chromium	35.5	ug/L	10.0	08/04/17 11:37	
EPA 6010	Lead	226	ug/L	13.0	08/04/17 11:37	
EPA 8270	Benzo(a)anthracene	2.9	ug/L	1.7	08/04/17 11:08	
EPA 8270	Benzo(a)pyrene	2.2J	ug/L	6.0	08/04/17 11:08	
EPA 8270	Benzo(b)fluoranthene	2.7	ug/L	2.1	08/04/17 11:08	
EPA 8270	Benzo(g,h,i)perylene	1.4J	ug/L	2.6	08/04/17 11:08	
EPA 8270	Benzo(k)fluoranthene	1.3J	ug/L	3.2	08/04/17 11:08	
EPA 8270	Chrysene	2.8J	ug/L	5.5	08/04/17 11:08	
EPA 8270	Fluoranthene	9.6	ug/L	1.8	08/04/17 11:08	
EPA 8270	Phenanthrene	2.0J	ug/L	5.8	08/04/17 11:08	
EPA 8270	Pyrene	7.8	ug/L	4.3	08/04/17 11:08	
40154221008	SB-23-S					
EPA 6010	Arsenic	85.0	ug/L	25.0	08/04/17 11:40	
EPA 6010	Barium	1070	ug/L	5.0	08/04/17 11:40	
EPA 6010	Chromium	79.1	ug/L	10.0	08/04/17 11:40	
EPA 6010	Lead	41.1	ug/L	13.0	08/04/17 11:40	
EPA 8260	cis-1,2-Dichloroethene	1.6	ug/L	1.0	08/03/17 15:01	
EPA 8260	trans-1,2-Dichloroethene	0.34J	ug/L	1.0	08/03/17 15:01	
EPA 8260	Vinyl chloride	0.91J	ug/L	1.0	08/03/17 15:01	
40154221009	SB-22-S					
EPA 6010	Lead	157	ug/L	13.0	08/04/17 11:42	
EPA 8270 by HVI	Benzo(b)fluoranthene	0.010J	ug/L	0.026	08/04/17 20:31	
EPA 8270 by HVI	Chrysene	0.013J	ug/L	0.059	08/04/17 20:31	
EPA 8270 by HVI	Fluoranthene	0.020J	ug/L	0.048	08/04/17 20:31	
EPA 8270 by HVI	Pyrene	0.025J	ug/L	0.034	08/04/17 20:31	B
EPA 8260	1,1-Dichloroethane	0.43J	ug/L	1.0	08/03/17 16:07	
EPA 8260	cis-1,2-Dichloroethene	1.0	ug/L	1.0	08/03/17 16:07	
40154221010	SB-14 3-4					
EPA 6010	Arsenic	13.5	mg/kg	7.4	08/04/17 08:40	
EPA 6010	Barium	46.7	mg/kg	0.74	08/04/17 08:40	
EPA 6010	Cadmium	0.68J	mg/kg	0.74	08/04/17 08:40	
EPA 6010	Chromium	47.1	mg/kg	1.5	08/04/17 08:40	
EPA 6010	Lead	25.9	mg/kg	1.9	08/04/17 08:40	
EPA 7471	Mercury	0.029J	mg/kg	0.052	08/15/17 11:27	
EPA 8270	Acenaphthene	247J	ug/kg	302	08/04/17 16:27	
EPA 8270	Anthracene	855	ug/kg	136	08/04/17 16:27	
EPA 8270	Benzo(a)anthracene	2360	ug/kg	132	08/04/17 16:27	
EPA 8270	Benzo(a)pyrene	2240	ug/kg	128	08/04/17 16:27	
EPA 8270	Benzo(b)fluoranthene	2810	ug/kg	146	08/04/17 16:27	
EPA 8270	Benzo(g,h,i)perylene	1400	ug/kg	223	08/04/17 16:27	
EPA 8270	Benzo(k)fluoranthene	1060	ug/kg	204	08/04/17 16:27	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 0403363 KRAFT
Pace Project No.: 40154221

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40154221010	SB-14 3-4					
EPA 8270	Carbazole	232	ug/kg	133	08/04/17 16:27	
EPA 8270	Chrysene	2380	ug/kg	127	08/04/17 16:27	
EPA 8270	Dibenz(a,h)anthracene	316	ug/kg	231	08/04/17 16:27	
EPA 8270	Dibenzofuran	110	ug/kg	103	08/04/17 16:27	
EPA 8270	Fluoranthene	5350	ug/kg	120	08/04/17 16:27	
EPA 8270	Fluorene	317	ug/kg	99.4	08/04/17 16:27	
EPA 8270	Indeno(1,2,3-cd)pyrene	1710	ug/kg	184	08/04/17 16:27	
EPA 8270	Phenanthrene	2530	ug/kg	109	08/04/17 16:27	
EPA 8270	Pyrene	3690	ug/kg	189	08/04/17 16:27	
EPA 8260	1,2-Dichloroethane	18200	ug/kg	183	08/07/17 12:20	
EPA 8260	Diisopropyl ether	177J	ug/kg	183	08/07/17 12:20	
EPA 8260	Methylene Chloride	86.1J	ug/kg	183	08/07/17 12:20	
EPA 8260	Naphthalene	396J	ug/kg	763	08/07/17 12:20	
EPA 8260	Vinyl chloride	405	ug/kg	183	08/07/17 12:20	
ASTM D2974-87	Percent Moisture	34.5	%	0.10	08/07/17 17:46	
40154221011	SB-15 5-7					
EPA 6010	Arsenic	3.6J	mg/kg	12.2	08/04/17 10:37	
EPA 6010	Barium	73.2	mg/kg	1.2	08/04/17 10:37	
EPA 6010	Chromium	9.7	mg/kg	2.4	08/04/17 10:37	
EPA 6010	Lead	10	mg/kg	3.2	08/04/17 10:37	
EPA 8270	Fluoranthene	81.0J	ug/kg	195	08/03/17 15:19	
EPA 8270	Phenanthrene	69.7J	ug/kg	177	08/03/17 15:19	
EPA 8260	1,2-Dichloroethane	382000	ug/kg	7450	08/04/17 10:14	
ASTM D2974-87	Percent Moisture	59.8	%	0.10	08/07/17 17:46	
40154221012	SB-13 1.5-2					
EPA 6010	Lead	16.0	mg/kg	1.7	08/04/17 10:40	
EPA 8270 by SIM	Acenaphthene	18.9J	ug/kg	19.3	08/14/17 11:16	
EPA 8270 by SIM	Anthracene	44.3	ug/kg	28.4	08/14/17 11:16	
EPA 8270 by SIM	Benzo(a)anthracene	115	ug/kg	15.8	08/14/17 11:16	
EPA 8270 by SIM	Benzo(a)pyrene	107	ug/kg	12.5	08/14/17 11:16	
EPA 8270 by SIM	Benzo(b)fluoranthene	103	ug/kg	14.0	08/14/17 11:16	
EPA 8270 by SIM	Benzo(g,h,i)perylene	72.1	ug/kg	10.1	08/14/17 11:16	
EPA 8270 by SIM	Benzo(k)fluoranthene	106	ug/kg	12.5	08/14/17 11:16	
EPA 8270 by SIM	Chrysene	128	ug/kg	16.7	08/14/17 11:16	
EPA 8270 by SIM	Dibenz(a,h)anthracene	26.4	ug/kg	11.1	08/14/17 11:16	
EPA 8270 by SIM	Fluoranthene	298	ug/kg	26.0	08/14/17 11:16	
EPA 8270 by SIM	Fluorene	15.3J	ug/kg	20.6	08/14/17 11:16	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	64.7	ug/kg	10.9	08/14/17 11:16	
EPA 8270 by SIM	Phenanthrene	176	ug/kg	57.9	08/14/17 11:16	
EPA 8270 by SIM	Pyrene	218	ug/kg	22.4	08/14/17 11:16	
EPA 8260	1,2-Dichloroethane	40.5J	ug/kg	89.6	08/04/17 09:51	
ASTM D2974-87	Percent Moisture	33.1	%	0.10	08/07/17 17:46	
40154221013	SB-18 4-5					
EPA 6010	Lead	608	mg/kg	1.6	08/04/17 10:42	
EPA 8270 by SIM	Acenaphthene	15.1J	ug/kg	16.9	08/09/17 01:46	
EPA 8270 by SIM	Acenaphthylene	7.2J	ug/kg	14.4	08/09/17 01:46	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 0403363 KRAFT

Pace Project No.: 40154221

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40154221013	SB-18 4-5					
EPA 8270 by SIM	Anthracene	57.9	ug/kg	24.9	08/09/17 01:46	
EPA 8270 by SIM	Benzo(a)anthracene	147	ug/kg	13.9	08/09/17 01:46	
EPA 8270 by SIM	Benzo(a)pyrene	149	ug/kg	11.0	08/09/17 01:46	
EPA 8270 by SIM	Benzo(b)fluoranthene	108	ug/kg	12.3	08/09/17 01:46	
EPA 8270 by SIM	Benzo(g,h,i)perylene	104	ug/kg	8.9	08/09/17 01:46	
EPA 8270 by SIM	Benzo(k)fluoranthene	152	ug/kg	11.0	08/09/17 01:46	
EPA 8270 by SIM	Chrysene	180	ug/kg	14.7	08/09/17 01:46	
EPA 8270 by SIM	Dibenz(a,h)anthracene	38.9	ug/kg	9.8	08/09/17 01:46	
EPA 8270 by SIM	Fluoranthene	308	ug/kg	22.8	08/09/17 01:46	
EPA 8270 by SIM	Fluorene	20.0	ug/kg	18.1	08/09/17 01:46	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	92.4	ug/kg	9.6	08/09/17 01:46	
EPA 8270 by SIM	Phenanthrene	190	ug/kg	50.9	08/09/17 01:46	
EPA 8270 by SIM	Pyrene	275	ug/kg	19.7	08/09/17 01:46	
ASTM D2974-87	Percent Moisture	23.8	%	0.10	08/07/17 17:46	
40154221014	SB-19 1.5-2					
EPA 6010	Arsenic	3.8J	mg/kg	5.8	08/04/17 10:45	
EPA 6010	Barium	72.2	mg/kg	0.58	08/04/17 10:45	
EPA 6010	Cadmium	1.8	mg/kg	0.58	08/04/17 10:45	
EPA 6010	Chromium	20.8	mg/kg	1.2	08/04/17 10:45	
EPA 6010	Lead	47.9	mg/kg	1.5	08/04/17 10:45	
EPA 7471	Mercury	0.063	mg/kg	0.041	08/15/17 11:32	
EPA 8270	2-Methylnaphthalene	74.4J	ug/kg	170	08/04/17 12:33	
EPA 8270	Benzo(a)anthracene	55.4J	ug/kg	102	08/04/17 12:33	
EPA 8270	Benzo(a)pyrene	65.0J	ug/kg	98.7	08/04/17 12:33	
EPA 8270	Benzo(b)fluoranthene	97.6J	ug/kg	113	08/04/17 12:33	
EPA 8270	Benzo(g,h,i)perylene	74.8J	ug/kg	172	08/04/17 12:33	
EPA 8270	Chrysene	84.6J	ug/kg	98.1	08/04/17 12:33	
EPA 8270	Dibenzofuran	25.6J	ug/kg	79.4	08/04/17 12:33	
EPA 8270	Fluoranthene	134	ug/kg	92.9	08/04/17 12:33	
EPA 8270	Indeno(1,2,3-cd)pyrene	72.8J	ug/kg	142	08/04/17 12:33	
EPA 8270	Phenanthrene	149	ug/kg	84.2	08/04/17 12:33	
EPA 8270	Pyrene	111J	ug/kg	145	08/04/17 12:33	
EPA 8260	1,2,4-Trimethylbenzene	33.9J	ug/kg	70.7	08/03/17 23:06	
ASTM D2974-87	Percent Moisture	15.1	%	0.10	08/08/17 09:56	
40154221015	SB-11 4-5					
EPA 6010	Lead	24.0	mg/kg	1.9	08/04/17 10:47	
EPA 8270 by SIM	1-Methylnaphthalene	240	ug/kg	42.3	08/09/17 16:12	
EPA 8270 by SIM	2-Methylnaphthalene	567	ug/kg	52.8	08/09/17 16:12	
EPA 8270 by SIM	Naphthalene	1350	ug/kg	88.8	08/09/17 16:12	
EPA 8260	Benzene	2180	ug/kg	946	08/03/17 14:24	
EPA 8260	sec-Butylbenzene	1480	ug/kg	946	08/03/17 14:24	
EPA 8260	Ethylbenzene	54600	ug/kg	946	08/03/17 14:24	
EPA 8260	Isopropylbenzene (Cumene)	4690	ug/kg	946	08/03/17 14:24	
EPA 8260	p-Isopropyltoluene	984	ug/kg	946	08/03/17 14:24	
EPA 8260	Methylene Chloride	459J	ug/kg	946	08/03/17 14:24	
EPA 8260	Naphthalene	10300	ug/kg	3940	08/03/17 14:24	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 0403363 KRAFT

Pace Project No.: 40154221

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40154221015	SB-11 4-5					
EPA 8260	n-Propylbenzene	17900	ug/kg	946	08/03/17 14:24	
EPA 8260	Toluene	64700	ug/kg	946	08/03/17 14:24	
EPA 8260	1,2,4-Trimethylbenzene	98700	ug/kg	946	08/03/17 14:24	
EPA 8260	1,3,5-Trimethylbenzene	28300	ug/kg	946	08/03/17 14:24	
EPA 8260	m&p-Xylene	204000	ug/kg	1890	08/03/17 14:24	
EPA 8260	o-Xylene	76700	ug/kg	946	08/03/17 14:24	
ASTM D2974-87	Percent Moisture	36.6	%	0.10	08/02/17 12:30	
40154221016	SB-23 2-2.5					
EPA 6010	Arsenic	3.1J	mg/kg	5.1	08/04/17 10:49	
EPA 6010	Barium	25.1	mg/kg	0.51	08/04/17 10:49	
EPA 6010	Cadmium	0.84	mg/kg	0.51	08/04/17 10:49	
EPA 6010	Chromium	10.5	mg/kg	1.0	08/04/17 10:49	
EPA 6010	Lead	14.9	mg/kg	1.3	08/04/17 10:49	
EPA 7471	Mercury	0.033J	mg/kg	0.038	08/15/17 11:34	
EPA 8270	Anthracene	29.3J	ug/kg	96.3	08/04/17 15:45	
EPA 8270	Benzo(a)anthracene	102	ug/kg	93.3	08/04/17 15:45	
EPA 8270	Benzo(a)pyrene	112	ug/kg	90.7	08/04/17 15:45	
EPA 8270	Benzo(b)fluoranthene	137	ug/kg	104	08/04/17 15:45	
EPA 8270	Benzo(g,h,i)perylene	92.9J	ug/kg	158	08/04/17 15:45	
EPA 8270	Benzo(k)fluoranthene	49.5J	ug/kg	144	08/04/17 15:45	
EPA 8270	Chrysene	113	ug/kg	90.1	08/04/17 15:45	
EPA 8270	Fluoranthene	220	ug/kg	85.3	08/04/17 15:45	
EPA 8270	Indeno(1,2,3-cd)pyrene	83.3J	ug/kg	130	08/04/17 15:45	
EPA 8270	Phenanthrene	106	ug/kg	77.3	08/04/17 15:45	
EPA 8270	Pyrene	180	ug/kg	134	08/04/17 15:45	
ASTM D2974-87	Percent Moisture	7.8	%	0.10	08/02/17 12:30	
40154221017	SB-22 4-5					
EPA 6010	Lead	7.0	mg/kg	1.4	08/04/17 10:52	
EPA 8270 by SIM	Benzo(a)anthracene	10.1J	ug/kg	12.3	08/10/17 16:26	
EPA 8270 by SIM	Benzo(a)pyrene	8.4J	ug/kg	9.7	08/10/17 16:26	
EPA 8270 by SIM	Benzo(b)fluoranthene	10.8J	ug/kg	10.9	08/10/17 16:26	
EPA 8270 by SIM	Benzo(g,h,i)perylene	6.0J	ug/kg	7.8	08/10/17 16:26	
EPA 8270 by SIM	Benzo(k)fluoranthene	4.4J	ug/kg	9.7	08/10/17 16:26	
EPA 8270 by SIM	Chrysene	9.0J	ug/kg	13.0	08/10/17 16:26	
EPA 8270 by SIM	Fluoranthene	16.4J	ug/kg	20.2	08/10/17 16:26	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	5.0J	ug/kg	8.5	08/10/17 16:26	
EPA 8270 by SIM	Pyrene	12.7J	ug/kg	17.4	08/10/17 16:26	
ASTM D2974-87	Percent Moisture	13.6	%	0.10	08/02/17 12:31	
40154221018	SB-3 8-10					
EPA 6010	Lead	12.1	mg/kg	1.3	08/04/17 10:54	
EPA 8270 by SIM	Fluorene	188J	ug/kg	310	08/11/17 14:55	M6
EPA 8270 by SIM	1-Methylnaphthalene	2550	ug/kg	301	08/11/17 14:55	M6
EPA 8270 by SIM	2-Methylnaphthalene	7630	ug/kg	375	08/11/17 14:55	M6
EPA 8270 by SIM	Naphthalene	6770	ug/kg	631	08/11/17 14:55	M6
EPA 8260	n-Butylbenzene	4160	ug/kg	337	08/05/17 00:20	
EPA 8260	sec-Butylbenzene	713	ug/kg	337	08/05/17 00:20	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 0403363 KRAFT
Pace Project No.: 40154221

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40154221018	SB-3 8-10					
EPA 8260	Ethylbenzene	2170	ug/kg	337	08/05/17 00:20	
EPA 8260	Isopropylbenzene (Cumene)	933	ug/kg	337	08/05/17 00:20	
EPA 8260	p-Isopropyltoluene	798	ug/kg	337	08/05/17 00:20	
EPA 8260	Naphthalene	5870	ug/kg	1410	08/05/17 00:20	
EPA 8260	n-Propylbenzene	3530	ug/kg	337	08/05/17 00:20	
EPA 8260	1,2,4-Trimethylbenzene	14600	ug/kg	337	08/05/17 00:20	
EPA 8260	1,3,5-Trimethylbenzene	5450	ug/kg	337	08/05/17 00:20	
EPA 8260	m&p-Xylene	9500	ug/kg	675	08/05/17 00:20	
EPA 8260	o-Xylene	1430	ug/kg	337	08/05/17 00:20	
ASTM D2974-87	Percent Moisture	11.1	%	0.10	08/02/17 12:31	
40154221019	SB-1 1-1.5					
EPA 6010	Lead	9.2	mg/kg	1.3	08/04/17 10:57	
EPA 8270 by SIM	Benzo(a)anthracene	6.3J	ug/kg	11.6	08/10/17 16:43	
EPA 8270 by SIM	Benzo(a)pyrene	4.9J	ug/kg	9.2	08/10/17 16:43	
EPA 8270 by SIM	Benzo(b)fluoranthene	6.4J	ug/kg	10.3	08/10/17 16:43	
EPA 8270 by SIM	Benzo(g,h,i)perylene	3.8J	ug/kg	7.4	08/10/17 16:43	
EPA 8270 by SIM	Benzo(k)fluoranthene	3.3J	ug/kg	9.2	08/10/17 16:43	
EPA 8270 by SIM	Chrysene	5.2J	ug/kg	12.3	08/10/17 16:43	
EPA 8270 by SIM	Fluoranthene	8.1J	ug/kg	19.1	08/10/17 16:43	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	3.0J	ug/kg	8.0	08/10/17 16:43	
EPA 8270 by SIM	Pyrene	6.9J	ug/kg	16.5	08/10/17 16:43	
ASTM D2974-87	Percent Moisture	8.7	%	0.10	08/02/17 12:32	
40154221020	SB-20 3-4					
EPA 6010	Arsenic	6.8	mg/kg	5.1	08/04/17 10:59	
EPA 6010	Barium	35.9	mg/kg	0.51	08/04/17 10:59	
EPA 6010	Cadmium	0.15J	mg/kg	0.51	08/04/17 10:59	
EPA 6010	Chromium	12.3	mg/kg	1.0	08/04/17 10:59	
EPA 6010	Lead	6.6	mg/kg	1.3	08/04/17 10:59	
EPA 8270	Benzo(a)pyrene	74.9J	ug/kg	94.2	08/04/17 16:48	
EPA 8270	Benzo(b)fluoranthene	71.6J	ug/kg	108	08/04/17 16:48	
EPA 8270	Benzo(g,h,i)perylene	135J	ug/kg	164	08/04/17 16:48	
EPA 8270	Chrysene	28.6J	ug/kg	93.6	08/04/17 16:48	
EPA 8270	Indeno(1,2,3-cd)pyrene	109J	ug/kg	135	08/04/17 16:48	
EPA 8260	Tetrachloroethene	29.9J	ug/kg	68.8	08/07/17 08:15	
ASTM D2974-87	Percent Moisture	11.0	%	0.10	08/02/17 12:32	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-14-S **Lab ID: 40154221001** Collected: 07/28/17 14:10 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	29.6	ug/L	25.0	8.3	1	08/03/17 14:11	08/04/17 11:13	7440-38-2	
Barium	213	ug/L	5.0	1.5	1	08/03/17 14:11	08/04/17 11:13	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/03/17 14:11	08/04/17 11:13	7440-43-9	
Chromium	19.5	ug/L	10.0	2.5	1	08/03/17 14:11	08/04/17 11:13	7440-47-3	
Lead	26.9	ug/L	13.0	4.3	1	08/03/17 14:11	08/04/17 11:13	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/03/17 14:11	08/04/17 11:13	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/03/17 14:11	08/04/17 11:13	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.13	ug/L	0.42	0.13	1	08/07/17 12:30	08/08/17 08:35	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,2,4-Trichlorobenzene	<7.8	ug/L	25.8	7.8	4	08/03/17 08:01	08/04/17 11:29	120-82-1	
1,2-Dichlorobenzene	<7.4	ug/L	24.5	7.4	4	08/03/17 08:01	08/04/17 11:29	95-50-1	
1,3-Dichlorobenzene	<7.2	ug/L	23.9	7.2	4	08/03/17 08:01	08/04/17 11:29	541-73-1	
1,4-Dichlorobenzene	<7.2	ug/L	23.8	7.2	4	08/03/17 08:01	08/04/17 11:29	106-46-7	
2,2'-Oxybis(1-chloropropane)	<5.8	ug/L	19.4	5.8	4	08/03/17 08:01	08/04/17 11:29	108-60-1	
2,4,5-Trichlorophenol	<3.2	ug/L	10.7	3.2	4	08/03/17 08:01	08/04/17 11:29	95-95-4	
2,4,6-Trichlorophenol	<8.0	ug/L	26.8	8.0	4	08/03/17 08:01	08/04/17 11:29	88-06-2	
2,4-Dichlorophenol	<5.2	ug/L	17.4	5.2	4	08/03/17 08:01	08/04/17 11:29	120-83-2	
2,4-Dimethylphenol	<4.8	ug/L	16.1	4.8	4	08/03/17 08:01	08/04/17 11:29	105-67-9	
2,4-Dinitrophenol	<2.7	ug/L	9.0	2.7	4	08/03/17 08:01	08/04/17 11:29	51-28-5	
2,4-Dinitrotoluene	<3.0	ug/L	10.1	3.0	4	08/03/17 08:01	08/04/17 11:29	121-14-2	
2,6-Dinitrotoluene	<2.3	ug/L	7.7	2.3	4	08/03/17 08:01	08/04/17 11:29	606-20-2	
2-Chloronaphthalene	<6.3	ug/L	20.9	6.3	4	08/03/17 08:01	08/04/17 11:29	91-58-7	
2-Chlorophenol	<4.4	ug/L	14.7	4.4	4	08/03/17 08:01	08/04/17 11:29	95-57-8	
2-Methylnaphthalene	<5.8	ug/L	19.2	5.8	4	08/03/17 08:01	08/04/17 11:29	91-57-6	
2-Methylphenol(o-Cresol)	<3.3	ug/L	11.0	3.3	4	08/03/17 08:01	08/04/17 11:29	95-48-7	
2-Nitroaniline	<2.9	ug/L	9.8	2.9	4	08/03/17 08:01	08/04/17 11:29	88-74-4	
2-Nitrophenol	<4.4	ug/L	14.8	4.4	4	08/03/17 08:01	08/04/17 11:29	88-75-5	
3&4-Methylphenol(m&p Cresol)	<5.9	ug/L	19.8	5.9	4	08/03/17 08:01	08/04/17 11:29		
3,3'-Dichlorobenzidine	<3.4	ug/L	11.5	3.4	4	08/03/17 08:01	08/04/17 11:29	91-94-1	
3-Nitroaniline	<3.7	ug/L	12.3	3.7	4	08/03/17 08:01	08/04/17 11:29	99-09-2	
4,6-Dinitro-2-methylphenol	<2.5	ug/L	8.3	2.5	4	08/03/17 08:01	08/04/17 11:29	534-52-1	
4-Bromophenylphenyl ether	<7.5	ug/L	25.0	7.5	4	08/03/17 08:01	08/04/17 11:29	101-55-3	
4-Chloro-3-methylphenol	<6.4	ug/L	21.4	6.4	4	08/03/17 08:01	08/04/17 11:29	59-50-7	
4-Chloroaniline	<4.2	ug/L	13.9	4.2	4	08/03/17 08:01	08/04/17 11:29	106-47-8	
4-Chlorophenylphenyl ether	<3.1	ug/L	10.4	3.1	4	08/03/17 08:01	08/04/17 11:29	7005-72-3	
4-Nitroaniline	<7.0	ug/L	23.2	7.0	4	08/03/17 08:01	08/04/17 11:29	100-01-6	
4-Nitrophenol	<4.0	ug/L	13.3	4.0	4	08/03/17 08:01	08/04/17 11:29	100-02-7	
Acenaphthene	50.2	ug/L	17.0	5.1	4	08/03/17 08:01	08/04/17 11:29	83-32-9	
Acenaphthylene	<4.0	ug/L	13.5	4.0	4	08/03/17 08:01	08/04/17 11:29	208-96-8	
Anthracene	38.5	ug/L	22.9	6.9	4	08/03/17 08:01	08/04/17 11:29	120-12-7	
Benzo(a)anthracene	36.5	ug/L	6.8	2.0	4	08/03/17 08:01	08/04/17 11:29	56-55-3	
Benzo(a)pyrene	31.1	ug/L	23.9	7.2	4	08/03/17 08:01	08/04/17 11:29	50-32-8	
Benzo(b)fluoranthene	40.4	ug/L	8.3	2.5	4	08/03/17 08:01	08/04/17 11:29	205-99-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-14-S **Lab ID: 40154221001** Collected: 07/28/17 14:10 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	19.1	ug/L	10.3	3.1	4	08/03/17 08:01	08/04/17 11:29	191-24-2	
Benzo(k)fluoranthene	17.4	ug/L	12.7	3.8	4	08/03/17 08:01	08/04/17 11:29	207-08-9	
Butylbenzylphthalate	<2.9	ug/L	9.8	2.9	4	08/03/17 08:01	08/04/17 11:29	85-68-7	
Carbazole	120	ug/L	9.5	2.9	4	08/03/17 08:01	08/04/17 11:29	86-74-8	
Chrysene	41.4	ug/L	22.1	6.6	4	08/03/17 08:01	08/04/17 11:29	218-01-9	
Di-n-butylphthalate	<9.8	ug/L	32.6	9.8	4	08/03/17 08:01	08/04/17 11:29	84-74-2	
Di-n-octylphthalate	<7.2	ug/L	24.0	7.2	4	08/03/17 08:01	08/04/17 11:29	117-84-0	
Dibenz(a,h)anthracene	<5.0	ug/L	16.8	5.0	4	08/03/17 08:01	08/04/17 11:29	53-70-3	
Dibenzofuran	30.9	ug/L	9.8	2.9	4	08/03/17 08:01	08/04/17 11:29	132-64-9	
Diethylphthalate	<4.1	ug/L	13.7	4.1	4	08/03/17 08:01	08/04/17 11:29	84-66-2	
Dimethylphthalate	<7.4	ug/L	24.5	7.4	4	08/03/17 08:01	08/04/17 11:29	131-11-3	
Fluoranthene	108	ug/L	7.2	2.1	4	08/03/17 08:01	08/04/17 11:29	206-44-0	
Fluorene	48.4	ug/L	9.5	2.9	4	08/03/17 08:01	08/04/17 11:29	86-73-7	
Hexachloro-1,3-butadiene	<9.4	ug/L	31.3	9.4	4	08/03/17 08:01	08/04/17 11:29	87-68-3	
Hexachlorobenzene	<6.5	ug/L	21.5	6.5	4	08/03/17 08:01	08/04/17 11:29	118-74-1	
Hexachlorocyclopentadiene	<2.6	ug/L	8.6	2.6	4	08/03/17 08:01	08/04/17 11:29	77-47-4	
Hexachloroethane	<10.1	ug/L	33.8	10.1	4	08/03/17 08:01	08/04/17 11:29	67-72-1	
Indeno(1,2,3-cd)pyrene	22.8	ug/L	19.0	5.7	4	08/03/17 08:01	08/04/17 11:29	193-39-5	
Isophorone	<2.8	ug/L	9.3	2.8	4	08/03/17 08:01	08/04/17 11:29	78-59-1	
N-Nitroso-di-n-propylamine	<3.7	ug/L	12.3	3.7	4	08/03/17 08:01	08/04/17 11:29	621-64-7	
N-Nitrosodiphenylamine	<13.4	ug/L	44.8	13.4	4	08/03/17 08:01	08/04/17 11:29	86-30-6	
Naphthalene	51.0	ug/L	24.1	7.2	4	08/03/17 08:01	08/04/17 11:29	91-20-3	
Nitrobenzene	<5.5	ug/L	18.4	5.5	4	08/03/17 08:01	08/04/17 11:29	98-95-3	
Pentachlorophenol	<5.5	ug/L	18.2	5.5	4	08/03/17 08:01	08/04/17 11:29	87-86-5	
Phenanthrene	125	ug/L	23.1	6.9	4	08/03/17 08:01	08/04/17 11:29	85-01-8	
Phenol	<2.3	ug/L	7.6	2.3	4	08/03/17 08:01	08/04/17 11:29	108-95-2	
Pyrene	78.6	ug/L	17.1	5.1	4	08/03/17 08:01	08/04/17 11:29	129-00-0	
bis(2-Chloroethoxy)methane	<3.8	ug/L	12.7	3.8	4	08/03/17 08:01	08/04/17 11:29	111-91-1	
bis(2-Chloroethyl) ether	<6.0	ug/L	20.1	6.0	4	08/03/17 08:01	08/04/17 11:29	111-44-4	
bis(2-Ethylhexyl)phthalate	<2.6	ug/L	8.8	2.6	4	08/03/17 08:01	08/04/17 11:29	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	83	%	53-100		4	08/03/17 08:01	08/04/17 11:29	4165-60-0	
2-Fluorobiphenyl (S)	91	%	59-109		4	08/03/17 08:01	08/04/17 11:29	321-60-8	
Terphenyl-d14 (S)	104	%	59-108		4	08/03/17 08:01	08/04/17 11:29	1718-51-0	
Phenol-d6 (S)	29	%	18-120		4	08/03/17 08:01	08/04/17 11:29	13127-88-3	
2-Fluorophenol (S)	46	%	27-67		4	08/03/17 08:01	08/04/17 11:29	367-12-4	
2,4,6-Tribromophenol (S)	94	%	65-140		4	08/03/17 08:01	08/04/17 11:29	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	0.56J	ug/L	1.0	0.50	1		08/03/17 18:52	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/03/17 18:52	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/03/17 18:52	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/03/17 18:52	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/03/17 18:52	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/03/17 18:52	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:52	104-51-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-14-S **Lab ID: 40154221001** Collected: 07/28/17 14:10 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/03/17 18:52	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/03/17 18:52	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/03/17 18:52	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:52	108-90-7	
Chloroethane	1.4	ug/L	1.0	0.37	1		08/03/17 18:52	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/03/17 18:52	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/03/17 18:52	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:52	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/03/17 18:52	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/03/17 18:52	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/03/17 18:52	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/03/17 18:52	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/03/17 18:52	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:52	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:52	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:52	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/03/17 18:52	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/03/17 18:52	75-34-3	
1,2-Dichloroethane	5.4	ug/L	1.0	0.17	1		08/03/17 18:52	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/03/17 18:52	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/03/17 18:52	156-59-2	
trans-1,2-Dichloroethene	0.40J	ug/L	1.0	0.26	1		08/03/17 18:52	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/03/17 18:52	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/03/17 18:52	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/03/17 18:52	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/03/17 18:52	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:52	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/03/17 18:52	10061-02-6	
Diisopropyl ether	7.7	ug/L	1.0	0.50	1		08/03/17 18:52	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:52	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/03/17 18:52	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/03/17 18:52	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:52	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/03/17 18:52	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/03/17 18:52	1634-04-4	
Naphthalene	48.6	ug/L	5.0	2.5	1		08/03/17 18:52	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:52	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:52	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/03/17 18:52	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/03/17 18:52	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:52	127-18-4	
Toluene	0.73J	ug/L	1.0	0.50	1		08/03/17 18:52	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/03/17 18:52	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/03/17 18:52	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/03/17 18:52	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/03/17 18:52	79-00-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-14-S **Lab ID: 40154221001** Collected: 07/28/17 14:10 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/03/17 18:52	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/03/17 18:52	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/03/17 18:52	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:52	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:52	108-67-8	
Vinyl chloride	0.94J	ug/L	1.0	0.18	1		08/03/17 18:52	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/03/17 18:52	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	61-130		1		08/03/17 18:52	460-00-4	
Dibromofluoromethane (S)	98	%	67-130		1		08/03/17 18:52	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		08/03/17 18:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-15-S **Lab ID: 40154221002** Collected: 07/28/17 14:45 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	8.4J	ug/L	25.0	8.3	1	08/03/17 14:11	08/04/17 11:20	7440-38-2	
Barium	124	ug/L	5.0	1.5	1	08/03/17 14:11	08/04/17 11:20	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/03/17 14:11	08/04/17 11:20	7440-43-9	
Chromium	7.3J	ug/L	10.0	2.5	1	08/03/17 14:11	08/04/17 11:20	7440-47-3	
Lead	11.5J	ug/L	13.0	4.3	1	08/03/17 14:11	08/04/17 11:20	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/03/17 14:11	08/04/17 11:20	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/03/17 14:11	08/04/17 11:20	7440-22-4	
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	<0.13	ug/L	0.42	0.13	1	08/07/17 12:30	08/08/17 08:37	7439-97-6	
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,2,4-Trichlorobenzene	<1.9	ug/L	6.5	1.9	1	08/03/17 08:01	08/04/17 09:43	120-82-1	
1,2-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/03/17 08:01	08/04/17 09:43	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/04/17 09:43	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/04/17 09:43	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	4.8	1.5	1	08/03/17 08:01	08/04/17 09:43	108-60-1	
2,4,5-Trichlorophenol	<0.80	ug/L	2.7	0.80	1	08/03/17 08:01	08/04/17 09:43	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.7	2.0	1	08/03/17 08:01	08/04/17 09:43	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/04/17 09:43	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.0	1.2	1	08/03/17 08:01	08/04/17 09:43	105-67-9	
2,4-Dinitrophenol	<0.68	ug/L	2.3	0.68	1	08/03/17 08:01	08/04/17 09:43	51-28-5	
2,4-Dinitrotoluene	<0.75	ug/L	2.5	0.75	1	08/03/17 08:01	08/04/17 09:43	121-14-2	
2,6-Dinitrotoluene	<0.57	ug/L	1.9	0.57	1	08/03/17 08:01	08/04/17 09:43	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.2	1.6	1	08/03/17 08:01	08/04/17 09:43	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.7	1.1	1	08/03/17 08:01	08/04/17 09:43	95-57-8	
2-Methylnaphthalene	<1.4	ug/L	4.8	1.4	1	08/03/17 08:01	08/04/17 09:43	91-57-6	
2-Methylphenol(o-Cresol)	<0.83	ug/L	2.8	0.83	1	08/03/17 08:01	08/04/17 09:43	95-48-7	
2-Nitroaniline	<0.74	ug/L	2.5	0.74	1	08/03/17 08:01	08/04/17 09:43	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/03/17 08:01	08/04/17 09:43	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.0	1.5	1	08/03/17 08:01	08/04/17 09:43		
3,3'-Dichlorobenzidine	<0.86	ug/L	2.9	0.86	1	08/03/17 08:01	08/04/17 09:43	91-94-1	
3-Nitroaniline	<0.92	ug/L	3.1	0.92	1	08/03/17 08:01	08/04/17 09:43	99-09-2	
4,6-Dinitro-2-methylphenol	<0.62	ug/L	2.1	0.62	1	08/03/17 08:01	08/04/17 09:43	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.3	1.9	1	08/03/17 08:01	08/04/17 09:43	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.4	1.6	1	08/03/17 08:01	08/04/17 09:43	59-50-7	
4-Chloroaniline	<1.0	ug/L	3.5	1.0	1	08/03/17 08:01	08/04/17 09:43	106-47-8	
4-Chlorophenylphenyl ether	<0.78	ug/L	2.6	0.78	1	08/03/17 08:01	08/04/17 09:43	7005-72-3	
4-Nitroaniline	<1.7	ug/L	5.8	1.7	1	08/03/17 08:01	08/04/17 09:43	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.3	1.0	1	08/03/17 08:01	08/04/17 09:43	100-02-7	
Acenaphthene	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/04/17 09:43	83-32-9	
Acenaphthylene	<1.0	ug/L	3.4	1.0	1	08/03/17 08:01	08/04/17 09:43	208-96-8	
Anthracene	<1.7	ug/L	5.7	1.7	1	08/03/17 08:01	08/04/17 09:43	120-12-7	
Benzo(a)anthracene	<0.51	ug/L	1.7	0.51	1	08/03/17 08:01	08/04/17 09:43	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/04/17 09:43	50-32-8	
Benzo(b)fluoranthene	<0.62	ug/L	2.1	0.62	1	08/03/17 08:01	08/04/17 09:43	205-99-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-15-S **Lab ID: 40154221002** Collected: 07/28/17 14:45 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.77	ug/L	2.6	0.77	1	08/03/17 08:01	08/04/17 09:43	191-24-2	
Benzo(k)fluoranthene	<0.95	ug/L	3.2	0.95	1	08/03/17 08:01	08/04/17 09:43	207-08-9	
Butylbenzylphthalate	<0.74	ug/L	2.5	0.74	1	08/03/17 08:01	08/04/17 09:43	85-68-7	
Carbazole	<0.71	ug/L	2.4	0.71	1	08/03/17 08:01	08/04/17 09:43	86-74-8	
Chrysene	<1.7	ug/L	5.5	1.7	1	08/03/17 08:01	08/04/17 09:43	218-01-9	
Di-n-butylphthalate	<2.4	ug/L	8.1	2.4	1	08/03/17 08:01	08/04/17 09:43	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/04/17 09:43	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.2	1.3	1	08/03/17 08:01	08/04/17 09:43	53-70-3	
Dibenzofuran	<0.73	ug/L	2.4	0.73	1	08/03/17 08:01	08/04/17 09:43	132-64-9	
Diethylphthalate	<1.0	ug/L	3.4	1.0	1	08/03/17 08:01	08/04/17 09:43	84-66-2	
Dimethylphthalate	<1.8	ug/L	6.1	1.8	1	08/03/17 08:01	08/04/17 09:43	131-11-3	
Fluoranthene	<0.54	ug/L	1.8	0.54	1	08/03/17 08:01	08/04/17 09:43	206-44-0	
Fluorene	<0.71	ug/L	2.4	0.71	1	08/03/17 08:01	08/04/17 09:43	86-73-7	
Hexachloro-1,3-butadiene	<2.3	ug/L	7.8	2.3	1	08/03/17 08:01	08/04/17 09:43	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.4	1.6	1	08/03/17 08:01	08/04/17 09:43	118-74-1	
Hexachlorocyclopentadiene	<0.65	ug/L	2.2	0.65	1	08/03/17 08:01	08/04/17 09:43	77-47-4	
Hexachloroethane	<2.5	ug/L	8.4	2.5	1	08/03/17 08:01	08/04/17 09:43	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.8	1.4	1	08/03/17 08:01	08/04/17 09:43	193-39-5	
Isophorone	<0.70	ug/L	2.3	0.70	1	08/03/17 08:01	08/04/17 09:43	78-59-1	
N-Nitroso-di-n-propylamine	<0.92	ug/L	3.1	0.92	1	08/03/17 08:01	08/04/17 09:43	621-64-7	
N-Nitrosodiphenylamine	<3.4	ug/L	11.2	3.4	1	08/03/17 08:01	08/04/17 09:43	86-30-6	
Naphthalene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/04/17 09:43	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/03/17 08:01	08/04/17 09:43	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.6	1.4	1	08/03/17 08:01	08/04/17 09:43	87-86-5	
Phenanthrene	<1.7	ug/L	5.8	1.7	1	08/03/17 08:01	08/04/17 09:43	85-01-8	
Phenol	<0.57	ug/L	1.9	0.57	1	08/03/17 08:01	08/04/17 09:43	108-95-2	
Pyrene	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/04/17 09:43	129-00-0	
bis(2-Chloroethoxy)methane	<0.95	ug/L	3.2	0.95	1	08/03/17 08:01	08/04/17 09:43	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.0	1.5	1	08/03/17 08:01	08/04/17 09:43	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.66	ug/L	2.2	0.66	1	08/03/17 08:01	08/04/17 09:43	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	94	%	53-100		1	08/03/17 08:01	08/04/17 09:43	4165-60-0	
2-Fluorobiphenyl (S)	84	%	59-109		1	08/03/17 08:01	08/04/17 09:43	321-60-8	
Terphenyl-d14 (S)	93	%	59-108		1	08/03/17 08:01	08/04/17 09:43	1718-51-0	
Phenol-d6 (S)	33	%	18-120		1	08/03/17 08:01	08/04/17 09:43	13127-88-3	
2-Fluorophenol (S)	48	%	27-67		1	08/03/17 08:01	08/04/17 09:43	367-12-4	
2,4,6-Tribromophenol (S)	91	%	65-140		1	08/03/17 08:01	08/04/17 09:43	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	71-43-2	
Bromobenzene	<4.6	ug/L	20.0	4.6	20		08/03/17 14:32	108-86-1	
Bromochloromethane	<6.8	ug/L	20.0	6.8	20		08/03/17 14:32	74-97-5	
Bromodichloromethane	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	75-27-4	
Bromoform	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	75-25-2	
Bromomethane	<48.7	ug/L	100	48.7	20		08/03/17 14:32	74-83-9	
n-Butylbenzene	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	104-51-8	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-15-S **Lab ID: 40154221002** Collected: 07/28/17 14:45 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<43.7	ug/L	100	43.7	20		08/03/17 14:32	135-98-8	
tert-Butylbenzene	<3.6	ug/L	20.0	3.6	20		08/03/17 14:32	98-06-6	
Carbon tetrachloride	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	56-23-5	
Chlorobenzene	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	108-90-7	
Chloroethane	<7.5	ug/L	20.0	7.5	20		08/03/17 14:32	75-00-3	
Chloroform	<50.0	ug/L	100	50.0	20		08/03/17 14:32	67-66-3	
Chloromethane	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	74-87-3	
2-Chlorotoluene	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	95-49-8	
4-Chlorotoluene	<4.3	ug/L	20.0	4.3	20		08/03/17 14:32	106-43-4	
1,2-Dibromo-3-chloropropane	<43.3	ug/L	100	43.3	20		08/03/17 14:32	96-12-8	
Dibromochloromethane	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	124-48-1	
1,2-Dibromoethane (EDB)	<3.6	ug/L	20.0	3.6	20		08/03/17 14:32	106-93-4	
Dibromomethane	<8.5	ug/L	20.0	8.5	20		08/03/17 14:32	74-95-3	
1,2-Dichlorobenzene	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	95-50-1	
1,3-Dichlorobenzene	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	541-73-1	
1,4-Dichlorobenzene	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	106-46-7	
Dichlorodifluoromethane	<4.5	ug/L	20.0	4.5	20		08/03/17 14:32	75-71-8	
1,1-Dichloroethane	<4.8	ug/L	20.0	4.8	20		08/03/17 14:32	75-34-3	
1,2-Dichloroethane	1630	ug/L	20.0	3.4	20		08/03/17 14:32	107-06-2	M1
1,1-Dichloroethene	<8.2	ug/L	20.0	8.2	20		08/03/17 14:32	75-35-4	
cis-1,2-Dichloroethene	<5.1	ug/L	20.0	5.1	20		08/03/17 14:32	156-59-2	
trans-1,2-Dichloroethene	<5.1	ug/L	20.0	5.1	20		08/03/17 14:32	156-60-5	
1,2-Dichloropropane	<4.7	ug/L	20.0	4.7	20		08/03/17 14:32	78-87-5	
1,3-Dichloropropane	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	142-28-9	
2,2-Dichloropropane	<9.7	ug/L	20.0	9.7	20		08/03/17 14:32	594-20-7	
1,1-Dichloropropene	<8.8	ug/L	20.0	8.8	20		08/03/17 14:32	563-58-6	
cis-1,3-Dichloropropene	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	10061-01-5	
trans-1,3-Dichloropropene	<4.6	ug/L	20.0	4.6	20		08/03/17 14:32	10061-02-6	
Diisopropyl ether	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	108-20-3	
Ethylbenzene	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	100-41-4	
Hexachloro-1,3-butadiene	<42.1	ug/L	100	42.1	20		08/03/17 14:32	87-68-3	
Isopropylbenzene (Cumene)	<2.9	ug/L	20.0	2.9	20		08/03/17 14:32	98-82-8	
p-Isopropyltoluene	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	99-87-6	
Methylene Chloride	<4.7	ug/L	20.0	4.7	20		08/03/17 14:32	75-09-2	
Methyl-tert-butyl ether	<3.5	ug/L	20.0	3.5	20		08/03/17 14:32	1634-04-4	
Naphthalene	<50.0	ug/L	100	50.0	20		08/03/17 14:32	91-20-3	
n-Propylbenzene	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	103-65-1	
Styrene	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	100-42-5	
1,1,1,2-Tetrachloroethane	<3.6	ug/L	20.0	3.6	20		08/03/17 14:32	630-20-6	
1,1,2,2-Tetrachloroethane	<5.0	ug/L	20.0	5.0	20		08/03/17 14:32	79-34-5	
Tetrachloroethene	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	127-18-4	
Toluene	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	108-88-3	
1,2,3-Trichlorobenzene	<42.7	ug/L	100	42.7	20		08/03/17 14:32	87-61-6	
1,2,4-Trichlorobenzene	<44.2	ug/L	100	44.2	20		08/03/17 14:32	120-82-1	
1,1,1-Trichloroethane	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	71-55-6	
1,1,2-Trichloroethane	12.8J	ug/L	20.0	3.9	20		08/03/17 14:32	79-00-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-15-S **Lab ID: 40154221002** Collected: 07/28/17 14:45 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<6.6	ug/L	20.0	6.6	20		08/03/17 14:32	79-01-6	
Trichlorofluoromethane	<3.7	ug/L	20.0	3.7	20		08/03/17 14:32	75-69-4	
1,2,3-Trichloropropane	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	96-18-4	
1,2,4-Trimethylbenzene	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	95-63-6	
1,3,5-Trimethylbenzene	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	108-67-8	
Vinyl chloride	17.7J	ug/L	20.0	3.5	20		08/03/17 14:32	75-01-4	
m&p-Xylene	<20.0	ug/L	40.0	20.0	20		08/03/17 14:32	179601-23-1	
o-Xylene	<10.0	ug/L	20.0	10.0	20		08/03/17 14:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	61-130		20		08/03/17 14:32	460-00-4	
Dibromofluoromethane (S)	104	%	67-130		20		08/03/17 14:32	1868-53-7	
Toluene-d8 (S)	97	%	70-130		20		08/03/17 14:32	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-13-S **Lab ID: 40154221003** Collected: 07/28/17 15:20 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	67.6	ug/L	13.0	4.3	1	08/03/17 14:11	08/04/17 11:22	7439-92-1	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	0.018J	ug/L	0.029	0.0059	1	08/03/17 12:31	08/03/17 20:09	83-32-9	
Acenaphthylene	<0.0048	ug/L	0.024	0.0048	1	08/03/17 12:31	08/03/17 20:09	208-96-8	
Anthracene	<0.010	ug/L	0.051	0.010	1	08/03/17 12:31	08/03/17 20:09	120-12-7	
Benzo(a)anthracene	0.12	ug/L	0.037	0.0073	1	08/03/17 12:31	08/03/17 20:09	56-55-3	
Benzo(a)pyrene	0.17	ug/L	0.051	0.010	1	08/03/17 12:31	08/03/17 20:09	50-32-8	
Benzo(b)fluoranthene	0.23	ug/L	0.028	0.0056	1	08/03/17 12:31	08/03/17 20:09	205-99-2	
Benzo(g,h,i)perylene	0.13	ug/L	0.033	0.0066	1	08/03/17 12:31	08/03/17 20:09	191-24-2	
Benzo(k)fluoranthene	0.13	ug/L	0.037	0.0073	1	08/03/17 12:31	08/03/17 20:09	207-08-9	
Chrysene	0.26	ug/L	0.063	0.013	1	08/03/17 12:31	08/03/17 20:09	218-01-9	
Dibenz(a,h)anthracene	0.024J	ug/L	0.049	0.0097	1	08/03/17 12:31	08/03/17 20:09	53-70-3	
Fluoranthene	0.36	ug/L	0.052	0.010	1	08/03/17 12:31	08/03/17 20:09	206-44-0	
Fluorene	<0.0077	ug/L	0.039	0.0077	1	08/03/17 12:31	08/03/17 20:09	86-73-7	
Indeno(1,2,3-cd)pyrene	0.096	ug/L	0.086	0.017	1	08/03/17 12:31	08/03/17 20:09	193-39-5	
1-Methylnaphthalene	<0.0057	ug/L	0.029	0.0057	1	08/03/17 12:31	08/03/17 20:09	90-12-0	
2-Methylnaphthalene	<0.0048	ug/L	0.024	0.0048	1	08/03/17 12:31	08/03/17 20:09	91-57-6	
Naphthalene	<0.018	ug/L	0.089	0.018	1	08/03/17 12:31	08/03/17 20:09	91-20-3	
Phenanthrene	0.19	ug/L	0.067	0.013	1	08/03/17 12:31	08/03/17 20:09	85-01-8	
Pyrene	0.33	ug/L	0.037	0.0074	1	08/03/17 12:31	08/03/17 20:09	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	53	%	35-84		1	08/03/17 12:31	08/03/17 20:09	321-60-8	
Terphenyl-d14 (S)	37	%	10-129		1	08/03/17 12:31	08/03/17 20:09	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/03/17 19:14	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/03/17 19:14	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/03/17 19:14	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/03/17 19:14	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/03/17 19:14	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/03/17 19:14	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/03/17 19:14	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/03/17 19:14	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/03/17 19:14	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/03/17 19:14	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/03/17 19:14	74-95-3	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-13-S **Lab ID: 40154221003** Collected: 07/28/17 15:20 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/03/17 19:14	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/03/17 19:14	75-34-3	
1,2-Dichloroethane	6.1	ug/L	1.0	0.17	1		08/03/17 19:14	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/03/17 19:14	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/03/17 19:14	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/03/17 19:14	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/03/17 19:14	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/03/17 19:14	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/03/17 19:14	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/03/17 19:14	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/03/17 19:14	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/03/17 19:14	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/03/17 19:14	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/03/17 19:14	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/03/17 19:14	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/03/17 19:14	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/03/17 19:14	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/03/17 19:14	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/03/17 19:14	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/03/17 19:14	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/03/17 19:14	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/03/17 19:14	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/03/17 19:14	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/03/17 19:14	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:14	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		08/03/17 19:14	460-00-4	
Dibromofluoromethane (S)	107	%	67-130		1		08/03/17 19:14	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		08/03/17 19:14	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-18-S **Lab ID: 40154221004** Collected: 07/28/17 16:20 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	2670	ug/L	65.0	21.6	5	08/03/17 14:11	08/04/17 11:55	7439-92-1	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	0.043	ug/L	0.030	0.0060	1	08/03/17 12:31	08/03/17 20:25	83-32-9	
Acenaphthylene	0.017J	ug/L	0.024	0.0049	1	08/03/17 12:31	08/03/17 20:25	208-96-8	
Anthracene	0.018J	ug/L	0.051	0.010	1	08/03/17 12:31	08/03/17 20:25	120-12-7	
Benzo(a)anthracene	0.16	ug/L	0.037	0.0074	1	08/03/17 12:31	08/03/17 20:25	56-55-3	
Benzo(a)pyrene	0.20	ug/L	0.052	0.010	1	08/03/17 12:31	08/03/17 20:25	50-32-8	
Benzo(b)fluoranthene	0.26	ug/L	0.028	0.0056	1	08/03/17 12:31	08/03/17 20:25	205-99-2	
Benzo(g,h,i)perylene	0.14	ug/L	0.033	0.0066	1	08/03/17 12:31	08/03/17 20:25	191-24-2	
Benzo(k)fluoranthene	0.14	ug/L	0.037	0.0074	1	08/03/17 12:31	08/03/17 20:25	207-08-9	
Chrysene	0.26	ug/L	0.064	0.013	1	08/03/17 12:31	08/03/17 20:25	218-01-9	
Dibenz(a,h)anthracene	0.027J	ug/L	0.049	0.0098	1	08/03/17 12:31	08/03/17 20:25	53-70-3	
Fluoranthene	0.41	ug/L	0.052	0.010	1	08/03/17 12:31	08/03/17 20:25	206-44-0	
Fluorene	0.039J	ug/L	0.039	0.0078	1	08/03/17 12:31	08/03/17 20:25	86-73-7	
Indeno(1,2,3-cd)pyrene	0.10	ug/L	0.086	0.017	1	08/03/17 12:31	08/03/17 20:25	193-39-5	
1-Methylnaphthalene	0.012J	ug/L	0.029	0.0058	1	08/03/17 12:31	08/03/17 20:25	90-12-0	
2-Methylnaphthalene	<0.0048	ug/L	0.024	0.0048	1	08/03/17 12:31	08/03/17 20:25	91-57-6	
Naphthalene	0.025J	ug/L	0.090	0.018	1	08/03/17 12:31	08/03/17 20:25	91-20-3	
Phenanthrene	0.23	ug/L	0.068	0.014	1	08/03/17 12:31	08/03/17 20:25	85-01-8	
Pyrene	0.39	ug/L	0.038	0.0075	1	08/03/17 12:31	08/03/17 20:25	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	52	%	35-84		1	08/03/17 12:31	08/03/17 20:25	321-60-8	
Terphenyl-d14 (S)	56	%	10-129		1	08/03/17 12:31	08/03/17 20:25	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/03/17 18:29	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/03/17 18:29	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/03/17 18:29	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/03/17 18:29	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/03/17 18:29	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/03/17 18:29	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/03/17 18:29	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/03/17 18:29	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/03/17 18:29	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/03/17 18:29	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/03/17 18:29	74-95-3	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-18-S **Lab ID: 40154221004** Collected: 07/28/17 16:20 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/03/17 18:29	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/03/17 18:29	75-34-3	
1,2-Dichloroethane	1.4	ug/L	1.0	0.17	1		08/03/17 18:29	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/03/17 18:29	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/03/17 18:29	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/03/17 18:29	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/03/17 18:29	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/03/17 18:29	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/03/17 18:29	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/03/17 18:29	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/03/17 18:29	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/03/17 18:29	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/03/17 18:29	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/03/17 18:29	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/03/17 18:29	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/03/17 18:29	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/03/17 18:29	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/03/17 18:29	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/03/17 18:29	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/03/17 18:29	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/03/17 18:29	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/03/17 18:29	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/03/17 18:29	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/03/17 18:29	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/03/17 18:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	61-130		1		08/03/17 18:29	460-00-4	
Dibromofluoromethane (S)	104	%	67-130		1		08/03/17 18:29	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		08/03/17 18:29	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-10-S **Lab ID: 40154221005** Collected: 07/28/17 17:10 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	70.7	ug/L	13.0	4.3	1	08/03/17 14:11	08/04/17 11:28	7439-92-1	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	<0.0056	ug/L	0.028	0.0056	1	08/03/17 12:31	08/04/17 10:39	83-32-9	
Acenaphthylene	<0.0046	ug/L	0.023	0.0046	1	08/03/17 12:31	08/04/17 10:39	208-96-8	
Anthracene	<0.0096	ug/L	0.048	0.0096	1	08/03/17 12:31	08/04/17 10:39	120-12-7	
Benzo(a)anthracene	<0.0069	ug/L	0.035	0.0069	1	08/03/17 12:31	08/04/17 10:39	56-55-3	
Benzo(a)pyrene	<0.0097	ug/L	0.048	0.0097	1	08/03/17 12:31	08/04/17 10:39	50-32-8	
Benzo(b)fluoranthene	<0.0053	ug/L	0.026	0.0053	1	08/03/17 12:31	08/04/17 10:39	205-99-2	
Benzo(g,h,i)perylene	<0.0062	ug/L	0.031	0.0062	1	08/03/17 12:31	08/04/17 10:39	191-24-2	
Benzo(k)fluoranthene	<0.0069	ug/L	0.035	0.0069	1	08/03/17 12:31	08/04/17 10:39	207-08-9	
Chrysene	<0.012	ug/L	0.060	0.012	1	08/03/17 12:31	08/04/17 10:39	218-01-9	
Dibenz(a,h)anthracene	<0.0092	ug/L	0.046	0.0092	1	08/03/17 12:31	08/04/17 10:39	53-70-3	
Fluoranthene	0.024J	ug/L	0.049	0.0098	1	08/03/17 12:31	08/04/17 10:39	206-44-0	
Fluorene	<0.0073	ug/L	0.037	0.0073	1	08/03/17 12:31	08/04/17 10:39	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.081	0.016	1	08/03/17 12:31	08/04/17 10:39	193-39-5	
1-Methylnaphthalene	<0.0054	ug/L	0.027	0.0054	1	08/03/17 12:31	08/04/17 10:39	90-12-0	
2-Methylnaphthalene	<0.0045	ug/L	0.022	0.0045	1	08/03/17 12:31	08/04/17 10:39	91-57-6	
Naphthalene	<0.017	ug/L	0.084	0.017	1	08/03/17 12:31	08/04/17 10:39	91-20-3	
Phenanthrene	0.028J	ug/L	0.063	0.013	1	08/03/17 12:31	08/04/17 10:39	85-01-8	
Pyrene	0.060	ug/L	0.035	0.0070	1	08/03/17 12:31	08/04/17 10:39	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	47	%	35-84		1	08/03/17 12:31	08/04/17 10:39	321-60-8	
Terphenyl-d14 (S)	58	%	10-129		1	08/03/17 12:31	08/04/17 10:39	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/03/17 19:37	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/03/17 19:37	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/03/17 19:37	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/03/17 19:37	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/03/17 19:37	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/03/17 19:37	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/03/17 19:37	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/03/17 19:37	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/03/17 19:37	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/03/17 19:37	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/03/17 19:37	74-95-3	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-10-S **Lab ID: 40154221005** Collected: 07/28/17 17:10 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/03/17 19:37	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/03/17 19:37	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/03/17 19:37	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/03/17 19:37	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/03/17 19:37	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/03/17 19:37	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/03/17 19:37	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/03/17 19:37	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/03/17 19:37	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/03/17 19:37	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/03/17 19:37	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/03/17 19:37	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/03/17 19:37	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/03/17 19:37	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/03/17 19:37	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/03/17 19:37	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/03/17 19:37	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/03/17 19:37	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/03/17 19:37	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/03/17 19:37	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/03/17 19:37	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/03/17 19:37	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/03/17 19:37	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/03/17 19:37	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/03/17 19:37	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	61-130		1		08/03/17 19:37	460-00-4	
Dibromofluoromethane (S)	102	%	67-130		1		08/03/17 19:37	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		08/03/17 19:37	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-11-S **Lab ID: 40154221006** Collected: 07/31/17 09:15 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	54.9	ug/L	13.0	4.3	1	08/03/17 14:11	08/04/17 11:35	7439-92-1	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	<0.17	ug/L	0.87	0.17	30	08/04/17 08:13	08/04/17 18:37	83-32-9	
Acenaphthylene	<0.14	ug/L	0.71	0.14	30	08/04/17 08:13	08/04/17 18:37	208-96-8	
Anthracene	<0.30	ug/L	1.5	0.30	30	08/04/17 08:13	08/04/17 18:37	120-12-7	
Benzo(a)anthracene	<0.22	ug/L	1.1	0.22	30	08/04/17 08:13	08/04/17 18:37	56-55-3	
Benzo(a)pyrene	<0.30	ug/L	1.5	0.30	30	08/04/17 08:13	08/04/17 18:37	50-32-8	
Benzo(b)fluoranthene	<0.16	ug/L	0.82	0.16	30	08/04/17 08:13	08/04/17 18:37	205-99-2	
Benzo(g,h,i)perylene	<0.19	ug/L	0.97	0.19	30	08/04/17 08:13	08/04/17 18:37	191-24-2	
Benzo(k)fluoranthene	<0.22	ug/L	1.1	0.22	30	08/04/17 08:13	08/04/17 18:37	207-08-9	
Chrysene	<0.37	ug/L	1.9	0.37	30	08/04/17 08:13	08/04/17 18:37	218-01-9	
Dibenz(a,h)anthracene	<0.29	ug/L	1.4	0.29	30	08/04/17 08:13	08/04/17 18:37	53-70-3	
Fluoranthene	<0.30	ug/L	1.5	0.30	30	08/04/17 08:13	08/04/17 18:37	206-44-0	
Fluorene	0.41J	ug/L	1.1	0.23	30	08/04/17 08:13	08/04/17 18:37	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.50	ug/L	2.5	0.50	30	08/04/17 08:13	08/04/17 18:37	193-39-5	
1-Methylnaphthalene	32.3	ug/L	0.84	0.17	30	08/04/17 08:13	08/04/17 18:37	90-12-0	
2-Methylnaphthalene	75.4	ug/L	0.70	0.14	30	08/04/17 08:13	08/04/17 18:37	91-57-6	
Naphthalene	290	ug/L	2.6	0.52	30	08/04/17 08:13	08/04/17 18:37	91-20-3	
Phenanthrene	0.49J	ug/L	2.0	0.39	30	08/04/17 08:13	08/04/17 18:37	85-01-8	
Pyrene	0.41J	ug/L	1.1	0.22	30	08/04/17 08:13	08/04/17 18:37	129-00-0	B
Surrogates									
2-Fluorobiphenyl (S)	15	%	35-84		30	08/04/17 08:13	08/04/17 18:37	321-60-8	S4
Terphenyl-d14 (S)	8	%	10-129		30	08/04/17 08:13	08/04/17 18:37	1718-51-0	S4
8260 MSV		Analytical Method: EPA 8260							
Benzene	1770	ug/L	250	125	250		08/03/17 18:20	71-43-2	
Bromobenzene	<57.5	ug/L	250	57.5	250		08/03/17 18:20	108-86-1	
Bromochloromethane	<85.1	ug/L	250	85.1	250		08/03/17 18:20	74-97-5	
Bromodichloromethane	<125	ug/L	250	125	250		08/03/17 18:20	75-27-4	
Bromoform	<125	ug/L	250	125	250		08/03/17 18:20	75-25-2	
Bromomethane	<609	ug/L	1250	609	250		08/03/17 18:20	74-83-9	
n-Butylbenzene	<125	ug/L	250	125	250		08/03/17 18:20	104-51-8	
sec-Butylbenzene	<547	ug/L	1250	547	250		08/03/17 18:20	135-98-8	
tert-Butylbenzene	<45.1	ug/L	250	45.1	250		08/03/17 18:20	98-06-6	
Carbon tetrachloride	<125	ug/L	250	125	250		08/03/17 18:20	56-23-5	
Chlorobenzene	<125	ug/L	250	125	250		08/03/17 18:20	108-90-7	
Chloroethane	<93.6	ug/L	250	93.6	250		08/03/17 18:20	75-00-3	
Chloroform	<625	ug/L	1250	625	250		08/03/17 18:20	67-66-3	
Chloromethane	<125	ug/L	250	125	250		08/03/17 18:20	74-87-3	
2-Chlorotoluene	<125	ug/L	250	125	250		08/03/17 18:20	95-49-8	
4-Chlorotoluene	<53.4	ug/L	250	53.4	250		08/03/17 18:20	106-43-4	
1,2-Dibromo-3-chloropropane	<541	ug/L	1250	541	250		08/03/17 18:20	96-12-8	
Dibromochloromethane	<125	ug/L	250	125	250		08/03/17 18:20	124-48-1	
1,2-Dibromoethane (EDB)	<44.4	ug/L	250	44.4	250		08/03/17 18:20	106-93-4	
Dibromomethane	<107	ug/L	250	107	250		08/03/17 18:20	74-95-3	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-11-S **Lab ID: 40154221006** Collected: 07/31/17 09:15 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<125	ug/L	250	125	250		08/03/17 18:20	95-50-1	
1,3-Dichlorobenzene	<125	ug/L	250	125	250		08/03/17 18:20	541-73-1	
1,4-Dichlorobenzene	<125	ug/L	250	125	250		08/03/17 18:20	106-46-7	
Dichlorodifluoromethane	<56.0	ug/L	250	56.0	250		08/03/17 18:20	75-71-8	
1,1-Dichloroethane	<60.4	ug/L	250	60.4	250		08/03/17 18:20	75-34-3	
1,2-Dichloroethane	<42.0	ug/L	250	42.0	250		08/03/17 18:20	107-06-2	
1,1-Dichloroethene	<103	ug/L	250	103	250		08/03/17 18:20	75-35-4	
cis-1,2-Dichloroethene	<64.0	ug/L	250	64.0	250		08/03/17 18:20	156-59-2	
trans-1,2-Dichloroethene	<64.1	ug/L	250	64.1	250		08/03/17 18:20	156-60-5	
1,2-Dichloropropane	<58.3	ug/L	250	58.3	250		08/03/17 18:20	78-87-5	
1,3-Dichloropropane	<125	ug/L	250	125	250		08/03/17 18:20	142-28-9	
2,2-Dichloropropane	<121	ug/L	250	121	250		08/03/17 18:20	594-20-7	
1,1-Dichloropropene	<110	ug/L	250	110	250		08/03/17 18:20	563-58-6	
cis-1,3-Dichloropropene	<125	ug/L	250	125	250		08/03/17 18:20	10061-01-5	
trans-1,3-Dichloropropene	<57.4	ug/L	250	57.4	250		08/03/17 18:20	10061-02-6	
Diisopropyl ether	<125	ug/L	250	125	250		08/03/17 18:20	108-20-3	
Ethylbenzene	2700	ug/L	250	125	250		08/03/17 18:20	100-41-4	
Hexachloro-1,3-butadiene	<526	ug/L	1250	526	250		08/03/17 18:20	87-68-3	
Isopropylbenzene (Cumene)	75.8J	ug/L	250	35.8	250		08/03/17 18:20	98-82-8	
p-Isopropyltoluene	<125	ug/L	250	125	250		08/03/17 18:20	99-87-6	
Methylene Chloride	<58.1	ug/L	250	58.1	250		08/03/17 18:20	75-09-2	
Methyl-tert-butyl ether	<43.6	ug/L	250	43.6	250		08/03/17 18:20	1634-04-4	
Naphthalene	<625	ug/L	1250	625	250		08/03/17 18:20	91-20-3	
n-Propylbenzene	229J	ug/L	250	125	250		08/03/17 18:20	103-65-1	
Styrene	<125	ug/L	250	125	250		08/03/17 18:20	100-42-5	
1,1,1,2-Tetrachloroethane	<45.1	ug/L	250	45.1	250		08/03/17 18:20	630-20-6	
1,1,2,2-Tetrachloroethane	<62.3	ug/L	250	62.3	250		08/03/17 18:20	79-34-5	
Tetrachloroethene	<125	ug/L	250	125	250		08/03/17 18:20	127-18-4	
Toluene	12900	ug/L	250	125	250		08/03/17 18:20	108-88-3	
1,2,3-Trichlorobenzene	<533	ug/L	1250	533	250		08/03/17 18:20	87-61-6	
1,2,4-Trichlorobenzene	<552	ug/L	1250	552	250		08/03/17 18:20	120-82-1	
1,1,1-Trichloroethane	<125	ug/L	250	125	250		08/03/17 18:20	71-55-6	
1,1,2-Trichloroethane	<49.3	ug/L	250	49.3	250		08/03/17 18:20	79-00-5	
Trichloroethene	<82.7	ug/L	250	82.7	250		08/03/17 18:20	79-01-6	
Trichlorofluoromethane	<46.2	ug/L	250	46.2	250		08/03/17 18:20	75-69-4	
1,2,3-Trichloropropane	<125	ug/L	250	125	250		08/03/17 18:20	96-18-4	
1,2,4-Trimethylbenzene	1620	ug/L	250	125	250		08/03/17 18:20	95-63-6	
1,3,5-Trimethylbenzene	485	ug/L	250	125	250		08/03/17 18:20	108-67-8	
Vinyl chloride	<43.9	ug/L	250	43.9	250		08/03/17 18:20	75-01-4	
m&p-Xylene	9460	ug/L	500	250	250		08/03/17 18:20	179601-23-1	
o-Xylene	4610	ug/L	250	125	250		08/03/17 18:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	61-130		250		08/03/17 18:20	460-00-4	
Dibromofluoromethane (S)	111	%	67-130		250		08/03/17 18:20	1868-53-7	
Toluene-d8 (S)	97	%	70-130		250		08/03/17 18:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT
Pace Project No.: 40154221

Sample: SB-19-S **Lab ID: 40154221007** Collected: 07/31/17 10:00 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	13.5J	ug/L	25.0	8.3	1	08/03/17 14:11	08/04/17 11:37	7440-38-2	
Barium	432	ug/L	5.0	1.5	1	08/03/17 14:11	08/04/17 11:37	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/03/17 14:11	08/04/17 11:37	7440-43-9	
Chromium	35.5	ug/L	10.0	2.5	1	08/03/17 14:11	08/04/17 11:37	7440-47-3	
Lead	226	ug/L	13.0	4.3	1	08/03/17 14:11	08/04/17 11:37	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/03/17 14:11	08/04/17 11:37	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/03/17 14:11	08/04/17 11:37	7440-22-4	
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	<0.13	ug/L	0.42	0.13	1	08/07/17 12:30	08/08/17 08:39	7439-97-6	
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,2,4-Trichlorobenzene	<1.9	ug/L	6.5	1.9	1	08/03/17 08:01	08/04/17 11:08	120-82-1	
1,2-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/03/17 08:01	08/04/17 11:08	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/04/17 11:08	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/04/17 11:08	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	4.8	1.5	1	08/03/17 08:01	08/04/17 11:08	108-60-1	
2,4,5-Trichlorophenol	<0.80	ug/L	2.7	0.80	1	08/03/17 08:01	08/04/17 11:08	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.7	2.0	1	08/03/17 08:01	08/04/17 11:08	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/04/17 11:08	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.0	1.2	1	08/03/17 08:01	08/04/17 11:08	105-67-9	
2,4-Dinitrophenol	<0.68	ug/L	2.3	0.68	1	08/03/17 08:01	08/04/17 11:08	51-28-5	
2,4-Dinitrotoluene	<0.75	ug/L	2.5	0.75	1	08/03/17 08:01	08/04/17 11:08	121-14-2	
2,6-Dinitrotoluene	<0.57	ug/L	1.9	0.57	1	08/03/17 08:01	08/04/17 11:08	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.2	1.6	1	08/03/17 08:01	08/04/17 11:08	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.7	1.1	1	08/03/17 08:01	08/04/17 11:08	95-57-8	
2-Methylnaphthalene	<1.4	ug/L	4.8	1.4	1	08/03/17 08:01	08/04/17 11:08	91-57-6	
2-Methylphenol(o-Cresol)	<0.83	ug/L	2.8	0.83	1	08/03/17 08:01	08/04/17 11:08	95-48-7	
2-Nitroaniline	<0.74	ug/L	2.5	0.74	1	08/03/17 08:01	08/04/17 11:08	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/03/17 08:01	08/04/17 11:08	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.0	1.5	1	08/03/17 08:01	08/04/17 11:08		
3,3'-Dichlorobenzidine	<0.86	ug/L	2.9	0.86	1	08/03/17 08:01	08/04/17 11:08	91-94-1	
3-Nitroaniline	<0.92	ug/L	3.1	0.92	1	08/03/17 08:01	08/04/17 11:08	99-09-2	
4,6-Dinitro-2-methylphenol	<0.62	ug/L	2.1	0.62	1	08/03/17 08:01	08/04/17 11:08	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.3	1.9	1	08/03/17 08:01	08/04/17 11:08	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.4	1.6	1	08/03/17 08:01	08/04/17 11:08	59-50-7	
4-Chloroaniline	<1.0	ug/L	3.5	1.0	1	08/03/17 08:01	08/04/17 11:08	106-47-8	
4-Chlorophenylphenyl ether	<0.78	ug/L	2.6	0.78	1	08/03/17 08:01	08/04/17 11:08	7005-72-3	
4-Nitroaniline	<1.7	ug/L	5.8	1.7	1	08/03/17 08:01	08/04/17 11:08	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.3	1.0	1	08/03/17 08:01	08/04/17 11:08	100-02-7	
Acenaphthene	<1.3	ug/L	4.3	1.3	1	08/03/17 08:01	08/04/17 11:08	83-32-9	
Acenaphthylene	<1.0	ug/L	3.4	1.0	1	08/03/17 08:01	08/04/17 11:08	208-96-8	
Anthracene	<1.7	ug/L	5.7	1.7	1	08/03/17 08:01	08/04/17 11:08	120-12-7	
Benzo(a)anthracene	2.9	ug/L	1.7	0.51	1	08/03/17 08:01	08/04/17 11:08	56-55-3	
Benzo(a)pyrene	2.2J	ug/L	6.0	1.8	1	08/03/17 08:01	08/04/17 11:08	50-32-8	
Benzo(b)fluoranthene	2.7	ug/L	2.1	0.62	1	08/03/17 08:01	08/04/17 11:08	205-99-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-19-S **Lab ID: 40154221007** Collected: 07/31/17 10:00 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	1.4J	ug/L	2.6	0.77	1	08/03/17 08:01	08/04/17 11:08	191-24-2	
Benzo(k)fluoranthene	1.3J	ug/L	3.2	0.95	1	08/03/17 08:01	08/04/17 11:08	207-08-9	
Butylbenzylphthalate	<0.74	ug/L	2.5	0.74	1	08/03/17 08:01	08/04/17 11:08	85-68-7	
Carbazole	<0.71	ug/L	2.4	0.71	1	08/03/17 08:01	08/04/17 11:08	86-74-8	
Chrysene	2.8J	ug/L	5.5	1.7	1	08/03/17 08:01	08/04/17 11:08	218-01-9	
Di-n-butylphthalate	<2.4	ug/L	8.1	2.4	1	08/03/17 08:01	08/04/17 11:08	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/04/17 11:08	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.2	1.3	1	08/03/17 08:01	08/04/17 11:08	53-70-3	
Dibenzofuran	<0.73	ug/L	2.4	0.73	1	08/03/17 08:01	08/04/17 11:08	132-64-9	
Diethylphthalate	<1.0	ug/L	3.4	1.0	1	08/03/17 08:01	08/04/17 11:08	84-66-2	
Dimethylphthalate	<1.8	ug/L	6.1	1.8	1	08/03/17 08:01	08/04/17 11:08	131-11-3	
Fluoranthene	9.6	ug/L	1.8	0.54	1	08/03/17 08:01	08/04/17 11:08	206-44-0	
Fluorene	<0.71	ug/L	2.4	0.71	1	08/03/17 08:01	08/04/17 11:08	86-73-7	
Hexachloro-1,3-butadiene	<2.3	ug/L	7.8	2.3	1	08/03/17 08:01	08/04/17 11:08	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.4	1.6	1	08/03/17 08:01	08/04/17 11:08	118-74-1	
Hexachlorocyclopentadiene	<0.65	ug/L	2.2	0.65	1	08/03/17 08:01	08/04/17 11:08	77-47-4	
Hexachloroethane	<2.5	ug/L	8.4	2.5	1	08/03/17 08:01	08/04/17 11:08	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.8	1.4	1	08/03/17 08:01	08/04/17 11:08	193-39-5	
Isophorone	<0.70	ug/L	2.3	0.70	1	08/03/17 08:01	08/04/17 11:08	78-59-1	
N-Nitroso-di-n-propylamine	<0.92	ug/L	3.1	0.92	1	08/03/17 08:01	08/04/17 11:08	621-64-7	
N-Nitrosodiphenylamine	<3.4	ug/L	11.2	3.4	1	08/03/17 08:01	08/04/17 11:08	86-30-6	
Naphthalene	<1.8	ug/L	6.0	1.8	1	08/03/17 08:01	08/04/17 11:08	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/03/17 08:01	08/04/17 11:08	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.6	1.4	1	08/03/17 08:01	08/04/17 11:08	87-86-5	
Phenanthrene	2.0J	ug/L	5.8	1.7	1	08/03/17 08:01	08/04/17 11:08	85-01-8	
Phenol	<0.57	ug/L	1.9	0.57	1	08/03/17 08:01	08/04/17 11:08	108-95-2	
Pyrene	7.8	ug/L	4.3	1.3	1	08/03/17 08:01	08/04/17 11:08	129-00-0	
bis(2-Chloroethoxy)methane	<0.95	ug/L	3.2	0.95	1	08/03/17 08:01	08/04/17 11:08	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.0	1.5	1	08/03/17 08:01	08/04/17 11:08	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.66	ug/L	2.2	0.66	1	08/03/17 08:01	08/04/17 11:08	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	96	%	53-100		1	08/03/17 08:01	08/04/17 11:08	4165-60-0	
2-Fluorobiphenyl (S)	93	%	59-109		1	08/03/17 08:01	08/04/17 11:08	321-60-8	
Terphenyl-d14 (S)	111	%	59-108		1	08/03/17 08:01	08/04/17 11:08	1718-51-0	S0
Phenol-d6 (S)	34	%	18-120		1	08/03/17 08:01	08/04/17 11:08	13127-88-3	
2-Fluorophenol (S)	55	%	27-67		1	08/03/17 08:01	08/04/17 11:08	367-12-4	
2,4,6-Tribromophenol (S)	120	%	65-140		1	08/03/17 08:01	08/04/17 11:08	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/04/17 11:22	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/04/17 11:22	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/04/17 11:22	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	104-51-8	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-19-S **Lab ID: 40154221007** Collected: 07/31/17 10:00 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/04/17 11:22	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/04/17 11:22	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/04/17 11:22	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/04/17 11:22	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/04/17 11:22	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/04/17 11:22	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/04/17 11:22	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/04/17 11:22	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/04/17 11:22	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/04/17 11:22	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/04/17 11:22	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/04/17 11:22	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/04/17 11:22	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/04/17 11:22	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/04/17 11:22	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/04/17 11:22	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/04/17 11:22	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/04/17 11:22	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/04/17 11:22	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/04/17 11:22	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/04/17 11:22	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/04/17 11:22	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/04/17 11:22	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/04/17 11:22	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/04/17 11:22	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/04/17 11:22	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/04/17 11:22	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/04/17 11:22	79-00-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-19-S **Lab ID: 40154221007** Collected: 07/31/17 10:00 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/04/17 11:22	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/04/17 11:22	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/04/17 11:22	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/04/17 11:22	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/04/17 11:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	61-130		1		08/04/17 11:22	460-00-4	
Dibromofluoromethane (S)	107	%	67-130		1		08/04/17 11:22	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		08/04/17 11:22	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-23-S **Lab ID: 40154221008** Collected: 07/31/17 10:40 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	85.0	ug/L	25.0	8.3	1	08/03/17 14:11	08/04/17 11:40	7440-38-2	
Barium	1070	ug/L	5.0	1.5	1	08/03/17 14:11	08/04/17 11:40	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/03/17 14:11	08/04/17 11:40	7440-43-9	
Chromium	79.1	ug/L	10.0	2.5	1	08/03/17 14:11	08/04/17 11:40	7440-47-3	
Lead	41.1	ug/L	13.0	4.3	1	08/03/17 14:11	08/04/17 11:40	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/03/17 14:11	08/04/17 11:40	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/03/17 14:11	08/04/17 11:40	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.13	ug/L	0.42	0.13	1	08/07/17 12:30	08/08/17 08:42	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,2,4-Trichlorobenzene	<1.9	ug/L	6.5	1.9	1	08/07/17 08:15	08/08/17 13:04	120-82-1	
1,2-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/07/17 08:15	08/08/17 13:04	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/08/17 13:04	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/08/17 13:04	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	4.8	1.5	1	08/07/17 08:15	08/08/17 13:04	108-60-1	
2,4,5-Trichlorophenol	<0.80	ug/L	2.7	0.80	1	08/07/17 08:15	08/08/17 13:04	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.7	2.0	1	08/07/17 08:15	08/08/17 13:04	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.3	1.3	1	08/07/17 08:15	08/08/17 13:04	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.0	1.2	1	08/07/17 08:15	08/08/17 13:04	105-67-9	
2,4-Dinitrophenol	<0.68	ug/L	2.3	0.68	1	08/07/17 08:15	08/08/17 13:04	51-28-5	
2,4-Dinitrotoluene	<0.75	ug/L	2.5	0.75	1	08/07/17 08:15	08/08/17 13:04	121-14-2	
2,6-Dinitrotoluene	<0.57	ug/L	1.9	0.57	1	08/07/17 08:15	08/08/17 13:04	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.2	1.6	1	08/07/17 08:15	08/08/17 13:04	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.7	1.1	1	08/07/17 08:15	08/08/17 13:04	95-57-8	
2-Methylnaphthalene	<1.4	ug/L	4.8	1.4	1	08/07/17 08:15	08/08/17 13:04	91-57-6	
2-Methylphenol(o-Cresol)	<0.83	ug/L	2.8	0.83	1	08/07/17 08:15	08/08/17 13:04	95-48-7	
2-Nitroaniline	<0.74	ug/L	2.5	0.74	1	08/07/17 08:15	08/08/17 13:04	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/07/17 08:15	08/08/17 13:04	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.0	1.5	1	08/07/17 08:15	08/08/17 13:04		
3,3'-Dichlorobenzidine	<0.86	ug/L	2.9	0.86	1	08/07/17 08:15	08/08/17 13:04	91-94-1	
3-Nitroaniline	<0.92	ug/L	3.1	0.92	1	08/07/17 08:15	08/08/17 13:04	99-09-2	
4,6-Dinitro-2-methylphenol	<0.62	ug/L	2.1	0.62	1	08/07/17 08:15	08/08/17 13:04	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.3	1.9	1	08/07/17 08:15	08/08/17 13:04	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.4	1.6	1	08/07/17 08:15	08/08/17 13:04	59-50-7	
4-Chloroaniline	<1.0	ug/L	3.5	1.0	1	08/07/17 08:15	08/08/17 13:04	106-47-8	
4-Chlorophenylphenyl ether	<0.78	ug/L	2.6	0.78	1	08/07/17 08:15	08/08/17 13:04	7005-72-3	
4-Nitroaniline	<1.7	ug/L	5.8	1.7	1	08/07/17 08:15	08/08/17 13:04	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.3	1.0	1	08/07/17 08:15	08/08/17 13:04	100-02-7	
Acenaphthene	<1.3	ug/L	4.3	1.3	1	08/07/17 08:15	08/08/17 13:04	83-32-9	
Acenaphthylene	<1.0	ug/L	3.4	1.0	1	08/07/17 08:15	08/08/17 13:04	208-96-8	
Anthracene	<1.7	ug/L	5.7	1.7	1	08/07/17 08:15	08/08/17 13:04	120-12-7	
Benzo(a)anthracene	<0.51	ug/L	1.7	0.51	1	08/07/17 08:15	08/08/17 13:04	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/08/17 13:04	50-32-8	
Benzo(b)fluoranthene	<0.62	ug/L	2.1	0.62	1	08/07/17 08:15	08/08/17 13:04	205-99-2	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-23-S **Lab ID: 40154221008** Collected: 07/31/17 10:40 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.77	ug/L	2.6	0.77	1	08/07/17 08:15	08/08/17 13:04	191-24-2	
Benzo(k)fluoranthene	<0.95	ug/L	3.2	0.95	1	08/07/17 08:15	08/08/17 13:04	207-08-9	
Butylbenzylphthalate	<0.74	ug/L	2.5	0.74	1	08/07/17 08:15	08/08/17 13:04	85-68-7	
Carbazole	<0.71	ug/L	2.4	0.71	1	08/07/17 08:15	08/08/17 13:04	86-74-8	
Chrysene	<1.7	ug/L	5.5	1.7	1	08/07/17 08:15	08/08/17 13:04	218-01-9	
Di-n-butylphthalate	<2.4	ug/L	8.1	2.4	1	08/07/17 08:15	08/08/17 13:04	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/08/17 13:04	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.2	1.3	1	08/07/17 08:15	08/08/17 13:04	53-70-3	
Dibenzofuran	<0.73	ug/L	2.4	0.73	1	08/07/17 08:15	08/08/17 13:04	132-64-9	
Diethylphthalate	<1.0	ug/L	3.4	1.0	1	08/07/17 08:15	08/08/17 13:04	84-66-2	
Dimethylphthalate	<1.8	ug/L	6.1	1.8	1	08/07/17 08:15	08/08/17 13:04	131-11-3	
Fluoranthene	<0.54	ug/L	1.8	0.54	1	08/07/17 08:15	08/08/17 13:04	206-44-0	
Fluorene	<0.71	ug/L	2.4	0.71	1	08/07/17 08:15	08/08/17 13:04	86-73-7	
Hexachloro-1,3-butadiene	<2.3	ug/L	7.8	2.3	1	08/07/17 08:15	08/08/17 13:04	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.4	1.6	1	08/07/17 08:15	08/08/17 13:04	118-74-1	
Hexachlorocyclopentadiene	<0.65	ug/L	2.2	0.65	1	08/07/17 08:15	08/08/17 13:04	77-47-4	
Hexachloroethane	<2.5	ug/L	8.4	2.5	1	08/07/17 08:15	08/08/17 13:04	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.8	1.4	1	08/07/17 08:15	08/08/17 13:04	193-39-5	
Isophorone	<0.70	ug/L	2.3	0.70	1	08/07/17 08:15	08/08/17 13:04	78-59-1	
N-Nitroso-di-n-propylamine	<0.92	ug/L	3.1	0.92	1	08/07/17 08:15	08/08/17 13:04	621-64-7	
N-Nitrosodiphenylamine	<3.4	ug/L	11.2	3.4	1	08/07/17 08:15	08/08/17 13:04	86-30-6	
Naphthalene	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/08/17 13:04	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/07/17 08:15	08/08/17 13:04	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.6	1.4	1	08/07/17 08:15	08/08/17 13:04	87-86-5	
Phenanthrene	<1.7	ug/L	5.8	1.7	1	08/07/17 08:15	08/08/17 13:04	85-01-8	
Phenol	<0.57	ug/L	1.9	0.57	1	08/07/17 08:15	08/08/17 13:04	108-95-2	
Pyrene	<1.3	ug/L	4.3	1.3	1	08/07/17 08:15	08/08/17 13:04	129-00-0	
bis(2-Chloroethoxy)methane	<0.95	ug/L	3.2	0.95	1	08/07/17 08:15	08/08/17 13:04	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.0	1.5	1	08/07/17 08:15	08/08/17 13:04	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.66	ug/L	2.2	0.66	1	08/07/17 08:15	08/08/17 13:04	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	86	%	53-100		1	08/07/17 08:15	08/08/17 13:04	4165-60-0	
2-Fluorobiphenyl (S)	69	%	59-109		1	08/07/17 08:15	08/08/17 13:04	321-60-8	
Terphenyl-d14 (S)	89	%	59-108		1	08/07/17 08:15	08/08/17 13:04	1718-51-0	
Phenol-d6 (S)	31	%	18-120		1	08/07/17 08:15	08/08/17 13:04	13127-88-3	
2-Fluorophenol (S)	50	%	27-67		1	08/07/17 08:15	08/08/17 13:04	367-12-4	
2,4,6-Tribromophenol (S)	89	%	65-140		1	08/07/17 08:15	08/08/17 13:04	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/03/17 15:01	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/03/17 15:01	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/03/17 15:01	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	104-51-8	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-23-S **Lab ID: 40154221008** Collected: 07/31/17 10:40 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/03/17 15:01	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/03/17 15:01	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/03/17 15:01	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/03/17 15:01	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/03/17 15:01	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/03/17 15:01	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/03/17 15:01	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/03/17 15:01	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/03/17 15:01	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/03/17 15:01	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/03/17 15:01	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/03/17 15:01	75-35-4	
cis-1,2-Dichloroethene	1.6	ug/L	1.0	0.26	1		08/03/17 15:01	156-59-2	
trans-1,2-Dichloroethene	0.34J	ug/L	1.0	0.26	1		08/03/17 15:01	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/03/17 15:01	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/03/17 15:01	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/03/17 15:01	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/03/17 15:01	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/03/17 15:01	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/03/17 15:01	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/03/17 15:01	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/03/17 15:01	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/03/17 15:01	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/03/17 15:01	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/03/17 15:01	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/03/17 15:01	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/03/17 15:01	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/03/17 15:01	79-00-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-23-S **Lab ID: 40154221008** Collected: 07/31/17 10:40 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/03/17 15:01	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/03/17 15:01	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	108-67-8	
Vinyl chloride	0.91J	ug/L	1.0	0.18	1		08/03/17 15:01	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/03/17 15:01	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/03/17 15:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	61-130		1		08/03/17 15:01	460-00-4	
Dibromofluoromethane (S)	104	%	67-130		1		08/03/17 15:01	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		08/03/17 15:01	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-22-S **Lab ID: 40154221009** Collected: 07/31/17 12:05 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	157	ug/L	13.0	4.3	1	08/03/17 14:11	08/04/17 11:42	7439-92-1	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	<0.0055	ug/L	0.027	0.0055	1	08/04/17 08:13	08/04/17 20:31	83-32-9	
Acenaphthylene	<0.0045	ug/L	0.022	0.0045	1	08/04/17 08:13	08/04/17 20:31	208-96-8	
Anthracene	<0.0094	ug/L	0.047	0.0094	1	08/04/17 08:13	08/04/17 20:31	120-12-7	
Benzo(a)anthracene	<0.0068	ug/L	0.034	0.0068	1	08/04/17 08:13	08/04/17 20:31	56-55-3	
Benzo(a)pyrene	<0.0095	ug/L	0.047	0.0095	1	08/04/17 08:13	08/04/17 20:31	50-32-8	
Benzo(b)fluoranthene	0.010J	ug/L	0.026	0.0052	1	08/04/17 08:13	08/04/17 20:31	205-99-2	
Benzo(g,h,i)perylene	<0.0061	ug/L	0.031	0.0061	1	08/04/17 08:13	08/04/17 20:31	191-24-2	
Benzo(k)fluoranthene	<0.0068	ug/L	0.034	0.0068	1	08/04/17 08:13	08/04/17 20:31	207-08-9	
Chrysene	0.013J	ug/L	0.059	0.012	1	08/04/17 08:13	08/04/17 20:31	218-01-9	
Dibenz(a,h)anthracene	<0.0090	ug/L	0.045	0.0090	1	08/04/17 08:13	08/04/17 20:31	53-70-3	
Fluoranthene	0.020J	ug/L	0.048	0.0096	1	08/04/17 08:13	08/04/17 20:31	206-44-0	
Fluorene	<0.0072	ug/L	0.036	0.0072	1	08/04/17 08:13	08/04/17 20:31	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.079	0.016	1	08/04/17 08:13	08/04/17 20:31	193-39-5	
1-Methylnaphthalene	<0.0053	ug/L	0.027	0.0053	1	08/04/17 08:13	08/04/17 20:31	90-12-0	
2-Methylnaphthalene	<0.0044	ug/L	0.022	0.0044	1	08/04/17 08:13	08/04/17 20:31	91-57-6	
Naphthalene	<0.017	ug/L	0.083	0.017	1	08/04/17 08:13	08/04/17 20:31	91-20-3	
Phenanthrene	<0.012	ug/L	0.062	0.012	1	08/04/17 08:13	08/04/17 20:31	85-01-8	
Pyrene	0.025J	ug/L	0.034	0.0069	1	08/04/17 08:13	08/04/17 20:31	129-00-0	B
Surrogates									
2-Fluorobiphenyl (S)	35	%	35-84		1	08/04/17 08:13	08/04/17 20:31	321-60-8	
Terphenyl-d14 (S)	39	%	10-129		1	08/04/17 08:13	08/04/17 20:31	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/03/17 16:07	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/03/17 16:07	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/03/17 16:07	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/03/17 16:07	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/03/17 16:07	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/03/17 16:07	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/03/17 16:07	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/03/17 16:07	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/03/17 16:07	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/03/17 16:07	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/03/17 16:07	74-95-3	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-22-S Lab ID: 40154221009 Collected: 07/31/17 12:05 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/03/17 16:07	75-71-8	
1,1-Dichloroethane	0.43J	ug/L	1.0	0.24	1		08/03/17 16:07	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/03/17 16:07	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/03/17 16:07	75-35-4	
cis-1,2-Dichloroethene	1.0	ug/L	1.0	0.26	1		08/03/17 16:07	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/03/17 16:07	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/03/17 16:07	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/03/17 16:07	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/03/17 16:07	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/03/17 16:07	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/03/17 16:07	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/03/17 16:07	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/03/17 16:07	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/03/17 16:07	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/03/17 16:07	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/03/17 16:07	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/03/17 16:07	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/03/17 16:07	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/03/17 16:07	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/03/17 16:07	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/03/17 16:07	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/03/17 16:07	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/03/17 16:07	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/03/17 16:07	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/03/17 16:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	61-130		1		08/03/17 16:07	460-00-4	
Dibromofluoromethane (S)	111	%	67-130		1		08/03/17 16:07	1868-53-7	pH
Toluene-d8 (S)	98	%	70-130		1		08/03/17 16:07	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-14 3-4 **Lab ID: 40154221010** Collected: 07/28/17 14:05 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<38.2	ug/kg	76.3	38.2	1	08/07/17 13:29	08/08/17 06:19	12674-11-2	
PCB-1221 (Aroclor 1221)	<38.2	ug/kg	76.3	38.2	1	08/07/17 13:29	08/08/17 06:19	11104-28-2	
PCB-1232 (Aroclor 1232)	<38.2	ug/kg	76.3	38.2	1	08/07/17 13:29	08/08/17 06:19	11141-16-5	
PCB-1242 (Aroclor 1242)	<38.2	ug/kg	76.3	38.2	1	08/07/17 13:29	08/08/17 06:19	53469-21-9	
PCB-1248 (Aroclor 1248)	<38.2	ug/kg	76.3	38.2	1	08/07/17 13:29	08/08/17 06:19	12672-29-6	
PCB-1254 (Aroclor 1254)	<38.2	ug/kg	76.3	38.2	1	08/07/17 13:29	08/08/17 06:19	11097-69-1	
PCB-1260 (Aroclor 1260)	<38.2	ug/kg	76.3	38.2	1	08/07/17 13:29	08/08/17 06:19	11096-82-5	
PCB, Total	<38.2	ug/kg	76.3	38.2	1	08/07/17 13:29	08/08/17 06:19	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	61	%	50-102		1	08/07/17 13:29	08/08/17 06:19	877-09-8	
Decachlorobiphenyl (S)	62	%	53-105		1	08/07/17 13:29	08/08/17 06:19	2051-24-3	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	13.5	mg/kg	7.4	1.6	1	08/02/17 14:07	08/04/17 08:40	7440-38-2	
Barium	46.7	mg/kg	0.74	0.22	1	08/02/17 14:07	08/04/17 08:40	7440-39-3	
Cadmium	0.68J	mg/kg	0.74	0.20	1	08/02/17 14:07	08/04/17 08:40	7440-43-9	
Chromium	47.1	mg/kg	1.5	0.41	1	08/02/17 14:07	08/04/17 08:40	7440-47-3	
Lead	25.9	mg/kg	1.9	0.64	1	08/02/17 14:07	08/04/17 08:40	7439-92-1	
Selenium	<1.7	mg/kg	7.4	1.7	1	08/02/17 14:07	08/04/17 08:40	7782-49-2	
Silver	<0.51	mg/kg	1.5	0.51	1	08/02/17 14:07	08/04/17 08:40	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.029J	mg/kg	0.052	0.016	1	08/14/17 07:10	08/15/17 11:27	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<28.8	ug/kg	96.2	28.8	1	08/03/17 10:50	08/04/17 16:27	120-82-1	
1,2-Dichlorobenzene	<80.2	ug/kg	267	80.2	1	08/03/17 10:50	08/04/17 16:27	95-50-1	
1,3-Dichlorobenzene	<35.3	ug/kg	118	35.3	1	08/03/17 10:50	08/04/17 16:27	541-73-1	
1,4-Dichlorobenzene	<35.5	ug/kg	118	35.5	1	08/03/17 10:50	08/04/17 16:27	106-46-7	
2,2'-Oxybis(1-chloropropane)	<65.8	ug/kg	219	65.8	1	08/03/17 10:50	08/04/17 16:27	108-60-1	
2,4,5-Trichlorophenol	<45.1	ug/kg	150	45.1	1	08/03/17 10:50	08/04/17 16:27	95-95-4	
2,4,6-Trichlorophenol	<38.9	ug/kg	130	38.9	1	08/03/17 10:50	08/04/17 16:27	88-06-2	
2,4-Dichlorophenol	<68.2	ug/kg	227	68.2	1	08/03/17 10:50	08/04/17 16:27	120-83-2	
2,4-Dimethylphenol	<50.5	ug/kg	168	50.5	1	08/03/17 10:50	08/04/17 16:27	105-67-9	
2,4-Dinitrophenol	<77.7	ug/kg	259	77.7	1	08/03/17 10:50	08/04/17 16:27	51-28-5	
2,4-Dinitrotoluene	<36.5	ug/kg	122	36.5	1	08/03/17 10:50	08/04/17 16:27	121-14-2	
2,6-Dinitrotoluene	<48.4	ug/kg	161	48.4	1	08/03/17 10:50	08/04/17 16:27	606-20-2	
2-Chloronaphthalene	<32.8	ug/kg	109	32.8	1	08/03/17 10:50	08/04/17 16:27	91-58-7	
2-Chlorophenol	<63.7	ug/kg	212	63.7	1	08/03/17 10:50	08/04/17 16:27	95-57-8	
2-Methylnaphthalene	<66.3	ug/kg	221	66.3	1	08/03/17 10:50	08/04/17 16:27	91-57-6	
2-Methylphenol(o-Cresol)	<46.4	ug/kg	155	46.4	1	08/03/17 10:50	08/04/17 16:27	95-48-7	
2-Nitroaniline	<72.7	ug/kg	242	72.7	1	08/03/17 10:50	08/04/17 16:27	88-74-4	
2-Nitrophenol	<80.5	ug/kg	268	80.5	1	08/03/17 10:50	08/04/17 16:27	88-75-5	
3&4-Methylphenol(m&p Cresol)	<46.8	ug/kg	156	46.8	1	08/03/17 10:50	08/04/17 16:27		
3,3'-Dichlorobenzidine	<69.2	ug/kg	231	69.2	1	08/03/17 10:50	08/04/17 16:27	91-94-1	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-14 3-4 **Lab ID: 40154221010** Collected: 07/28/17 14:05 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<43.4	ug/kg	145	43.4	1	08/03/17 10:50	08/04/17 16:27	99-09-2	
4,6-Dinitro-2-methylphenol	<78.7	ug/kg	262	78.7	1	08/03/17 10:50	08/04/17 16:27	534-52-1	
4-Bromophenylphenyl ether	<53.4	ug/kg	178	53.4	1	08/03/17 10:50	08/04/17 16:27	101-55-3	
4-Chloro-3-methylphenol	<79.4	ug/kg	265	79.4	1	08/03/17 10:50	08/04/17 16:27	59-50-7	
4-Chloroaniline	<41.9	ug/kg	140	41.9	1	08/03/17 10:50	08/04/17 16:27	106-47-8	
4-Chlorophenylphenyl ether	<47.5	ug/kg	158	47.5	1	08/03/17 10:50	08/04/17 16:27	7005-72-3	
4-Nitroaniline	<106	ug/kg	353	106	1	08/03/17 10:50	08/04/17 16:27	100-01-6	
4-Nitrophenol	<64.3	ug/kg	214	64.3	1	08/03/17 10:50	08/04/17 16:27	100-02-7	
Acenaphthene	247J	ug/kg	302	90.5	1	08/03/17 10:50	08/04/17 16:27	83-32-9	
Acenaphthylene	<91.0	ug/kg	303	91.0	1	08/03/17 10:50	08/04/17 16:27	208-96-8	
Anthracene	855	ug/kg	136	40.8	1	08/03/17 10:50	08/04/17 16:27	120-12-7	
Benzo(a)anthracene	2360	ug/kg	132	39.5	1	08/03/17 10:50	08/04/17 16:27	56-55-3	
Benzo(a)pyrene	2240	ug/kg	128	38.4	1	08/03/17 10:50	08/04/17 16:27	50-32-8	
Benzo(b)fluoranthene	2810	ug/kg	146	43.8	1	08/03/17 10:50	08/04/17 16:27	205-99-2	
Benzo(g,h,i)perylene	1400	ug/kg	223	66.8	1	08/03/17 10:50	08/04/17 16:27	191-24-2	
Benzo(k)fluoranthene	1060	ug/kg	204	61.1	1	08/03/17 10:50	08/04/17 16:27	207-08-9	
Butylbenzylphthalate	<40.9	ug/kg	136	40.9	1	08/03/17 10:50	08/04/17 16:27	85-68-7	
Carbazole	232	ug/kg	133	40.0	1	08/03/17 10:50	08/04/17 16:27	86-74-8	
Chrysene	2380	ug/kg	127	38.2	1	08/03/17 10:50	08/04/17 16:27	218-01-9	
Di-n-butylphthalate	<38.1	ug/kg	127	38.1	1	08/03/17 10:50	08/04/17 16:27	84-74-2	
Di-n-octylphthalate	<57.4	ug/kg	191	57.4	1	08/03/17 10:50	08/04/17 16:27	117-84-0	
Dibenz(a,h)anthracene	316	ug/kg	231	69.3	1	08/03/17 10:50	08/04/17 16:27	53-70-3	
Dibenzofuran	110	ug/kg	103	30.9	1	08/03/17 10:50	08/04/17 16:27	132-64-9	
Diethylphthalate	<42.3	ug/kg	141	42.3	1	08/03/17 10:50	08/04/17 16:27	84-66-2	
Dimethylphthalate	<33.2	ug/kg	111	33.2	1	08/03/17 10:50	08/04/17 16:27	131-11-3	
Fluoranthene	5350	ug/kg	120	36.1	1	08/03/17 10:50	08/04/17 16:27	206-44-0	
Fluorene	317	ug/kg	99.4	29.8	1	08/03/17 10:50	08/04/17 16:27	86-73-7	
Hexachloro-1,3-butadiene	<65.0	ug/kg	217	65.0	1	08/03/17 10:50	08/04/17 16:27	87-68-3	
Hexachlorobenzene	<42.9	ug/kg	143	42.9	1	08/03/17 10:50	08/04/17 16:27	118-74-1	
Hexachlorocyclopentadiene	<60.4	ug/kg	201	60.4	1	08/03/17 10:50	08/04/17 16:27	77-47-4	
Hexachloroethane	<40.8	ug/kg	136	40.8	1	08/03/17 10:50	08/04/17 16:27	67-72-1	
Indeno(1,2,3-cd)pyrene	1710	ug/kg	184	55.2	1	08/03/17 10:50	08/04/17 16:27	193-39-5	
Isophorone	<39.2	ug/kg	131	39.2	1	08/03/17 10:50	08/04/17 16:27	78-59-1	
N-Nitroso-di-n-propylamine	<40.5	ug/kg	135	40.5	1	08/03/17 10:50	08/04/17 16:27	621-64-7	
N-Nitrosodiphenylamine	<346	ug/kg	1150	346	1	08/03/17 10:50	08/04/17 16:27	86-30-6	
Naphthalene	<89.2	ug/kg	297	89.2	1	08/03/17 10:50	08/04/17 16:27	91-20-3	
Nitrobenzene	<51.7	ug/kg	172	51.7	1	08/03/17 10:50	08/04/17 16:27	98-95-3	
Pentachlorophenol	<56.2	ug/kg	187	56.2	1	08/03/17 10:50	08/04/17 16:27	87-86-5	
Phenanthrene	2530	ug/kg	109	32.7	1	08/03/17 10:50	08/04/17 16:27	85-01-8	
Phenol	<60.6	ug/kg	202	60.6	1	08/03/17 10:50	08/04/17 16:27	108-95-2	
Pyrene	3690	ug/kg	189	56.6	1	08/03/17 10:50	08/04/17 16:27	129-00-0	
bis(2-Chloroethoxy)methane	<68.7	ug/kg	229	68.7	1	08/03/17 10:50	08/04/17 16:27	111-91-1	
bis(2-Chloroethyl) ether	<79.7	ug/kg	266	79.7	1	08/03/17 10:50	08/04/17 16:27	111-44-4	
bis(2-Ethylhexyl)phthalate	<42.4	ug/kg	141	42.4	1	08/03/17 10:50	08/04/17 16:27	117-81-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-14 3-4 **Lab ID: 40154221010** Collected: 07/28/17 14:05 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

Nitrobenzene-d5 (S)	70	%	13-114		1	08/03/17 10:50	08/04/17 16:27	4165-60-0	
2-Fluorobiphenyl (S)	67	%	18-127		1	08/03/17 10:50	08/04/17 16:27	321-60-8	
Terphenyl-d14 (S)	80	%	41-109		1	08/03/17 10:50	08/04/17 16:27	1718-51-0	
Phenol-d6 (S)	70	%	30-97		1	08/03/17 10:50	08/04/17 16:27	13127-88-3	
2-Fluorophenol (S)	74	%	16-103		1	08/03/17 10:50	08/04/17 16:27	367-12-4	
2,4,6-Tribromophenol (S)	81	%	13-143		1	08/03/17 10:50	08/04/17 16:27	118-79-6	

8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Benzene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	71-43-2	W
Bromobenzene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	108-86-1	W
Bromochloromethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	74-97-5	W
Bromodichloromethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	75-27-4	W
Bromoform	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	75-25-2	W
Bromomethane	<140	ug/kg	500	140	2	08/04/17 08:15	08/07/17 12:20	74-83-9	W
n-Butylbenzene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	104-51-8	W
sec-Butylbenzene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	135-98-8	W
tert-Butylbenzene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	98-06-6	W
Carbon tetrachloride	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	56-23-5	W
Chlorobenzene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	108-90-7	W
Chloroethane	<134	ug/kg	500	134	2	08/04/17 08:15	08/07/17 12:20	75-00-3	W
Chloroform	<92.9	ug/kg	500	92.9	2	08/04/17 08:15	08/07/17 12:20	67-66-3	W
Chloromethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	74-87-3	W
2-Chlorotoluene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	95-49-8	W
4-Chlorotoluene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	106-43-4	W
1,2-Dibromo-3-chloropropane	<182	ug/kg	500	182	2	08/04/17 08:15	08/07/17 12:20	96-12-8	W
Dibromochloromethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	124-48-1	W
1,2-Dibromoethane (EDB)	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	106-93-4	W
Dibromomethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	74-95-3	W
1,2-Dichlorobenzene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	95-50-1	W
1,3-Dichlorobenzene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	541-73-1	W
1,4-Dichlorobenzene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	106-46-7	W
Dichlorodifluoromethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	75-71-8	W
1,1-Dichloroethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	75-34-3	W
1,2-Dichloroethane	18200	ug/kg	183	76.3	2	08/04/17 08:15	08/07/17 12:20	107-06-2	
1,1-Dichloroethene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	75-35-4	W
cis-1,2-Dichloroethene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	156-59-2	W
trans-1,2-Dichloroethene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	156-60-5	W
1,2-Dichloropropane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	78-87-5	W
1,3-Dichloropropane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	142-28-9	W
2,2-Dichloropropane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	594-20-7	W
1,1-Dichloropropene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	563-58-6	W
cis-1,3-Dichloropropene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	10061-01-5	W
trans-1,3-Dichloropropene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	10061-02-6	W
Diisopropyl ether	177J	ug/kg	183	76.3	2	08/04/17 08:15	08/07/17 12:20	108-20-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-14 3-4 **Lab ID: 40154221010** Collected: 07/28/17 14:05 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Ethylbenzene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	100-41-4	W
Hexachloro-1,3-butadiene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	87-68-3	W
Isopropylbenzene (Cumene)	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	98-82-8	W
p-Isopropyltoluene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	99-87-6	W
Methylene Chloride	86.1J	ug/kg	183	76.3	2	08/04/17 08:15	08/07/17 12:20	75-09-2	
Methyl-tert-butyl ether	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	1634-04-4	W
Naphthalene	396J	ug/kg	763	122	2	08/04/17 08:15	08/07/17 12:20	91-20-3	
n-Propylbenzene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	103-65-1	W
Styrene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	100-42-5	W
1,1,1,2-Tetrachloroethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	630-20-6	W
1,1,2,2-Tetrachloroethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	79-34-5	W
Tetrachloroethene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	127-18-4	W
Toluene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	108-88-3	W
1,2,3-Trichlorobenzene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	87-61-6	W
1,2,4-Trichlorobenzene	<95.1	ug/kg	500	95.1	2	08/04/17 08:15	08/07/17 12:20	120-82-1	W
1,1,1-Trichloroethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	71-55-6	W
1,1,2-Trichloroethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	79-00-5	W
Trichloroethene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	79-01-6	W
Trichlorofluoromethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	75-69-4	W
1,2,3-Trichloropropane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	96-18-4	W
1,2,4-Trimethylbenzene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	95-63-6	W
1,3,5-Trimethylbenzene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	108-67-8	W
Vinyl chloride	405	ug/kg	183	76.3	2	08/04/17 08:15	08/07/17 12:20	75-01-4	
m&p-Xylene	<100	ug/kg	240	100	2	08/04/17 08:15	08/07/17 12:20	179601-23-1	W
o-Xylene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/07/17 12:20	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	92	%	68-130		2	08/04/17 08:15	08/07/17 12:20	1868-53-7	
Toluene-d8 (S)	85	%	68-149		2	08/04/17 08:15	08/07/17 12:20	2037-26-5	
4-Bromofluorobenzene (S)	72	%	58-141		2	08/04/17 08:15	08/07/17 12:20	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	34.5	%	0.10	0.10	1		08/07/17 17:46		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-15 5-7 **Lab ID: 40154221011** Collected: 07/28/17 14:25 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<62.1	ug/kg	124	62.1	1	08/07/17 13:29	08/08/17 06:41	12674-11-2	
PCB-1221 (Aroclor 1221)	<62.1	ug/kg	124	62.1	1	08/07/17 13:29	08/08/17 06:41	11104-28-2	
PCB-1232 (Aroclor 1232)	<62.1	ug/kg	124	62.1	1	08/07/17 13:29	08/08/17 06:41	11141-16-5	
PCB-1242 (Aroclor 1242)	<62.1	ug/kg	124	62.1	1	08/07/17 13:29	08/08/17 06:41	53469-21-9	
PCB-1248 (Aroclor 1248)	<62.1	ug/kg	124	62.1	1	08/07/17 13:29	08/08/17 06:41	12672-29-6	
PCB-1254 (Aroclor 1254)	<62.1	ug/kg	124	62.1	1	08/07/17 13:29	08/08/17 06:41	11097-69-1	
PCB-1260 (Aroclor 1260)	<62.1	ug/kg	124	62.1	1	08/07/17 13:29	08/08/17 06:41	11096-82-5	
PCB, Total	<62.1	ug/kg	124	62.1	1	08/07/17 13:29	08/08/17 06:41	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	69	%	50-102		1	08/07/17 13:29	08/08/17 06:41	877-09-8	
Decachlorobiphenyl (S)	71	%	53-105		1	08/07/17 13:29	08/08/17 06:41	2051-24-3	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	3.6J	mg/kg	12.2	2.6	1	08/02/17 14:07	08/04/17 10:37	7440-38-2	
Barium	73.2	mg/kg	1.2	0.37	1	08/02/17 14:07	08/04/17 10:37	7440-39-3	
Cadmium	<0.33	mg/kg	1.2	0.33	1	08/02/17 14:07	08/04/17 10:37	7440-43-9	
Chromium	9.7	mg/kg	2.4	0.68	1	08/02/17 14:07	08/04/17 10:37	7440-47-3	
Lead	10	mg/kg	3.2	1.1	1	08/02/17 14:07	08/04/17 10:37	7439-92-1	
Selenium	<2.7	mg/kg	12.2	2.7	1	08/02/17 14:07	08/04/17 10:37	7782-49-2	
Silver	<0.84	mg/kg	2.4	0.84	1	08/02/17 14:07	08/04/17 10:37	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	<0.025	mg/kg	0.083	0.025	1	08/14/17 07:10	08/15/17 11:30	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<46.8	ug/kg	156	46.8	1	08/03/17 10:50	08/03/17 15:19	120-82-1	
1,2-Dichlorobenzene	<130	ug/kg	434	130	1	08/03/17 10:50	08/03/17 15:19	95-50-1	
1,3-Dichlorobenzene	<57.3	ug/kg	191	57.3	1	08/03/17 10:50	08/03/17 15:19	541-73-1	
1,4-Dichlorobenzene	<57.7	ug/kg	192	57.7	1	08/03/17 10:50	08/03/17 15:19	106-46-7	
2,2'-Oxybis(1-chloropropane)	<107	ug/kg	356	107	1	08/03/17 10:50	08/03/17 15:19	108-60-1	
2,4,5-Trichlorophenol	<73.1	ug/kg	244	73.1	1	08/03/17 10:50	08/03/17 15:19	95-95-4	
2,4,6-Trichlorophenol	<63.1	ug/kg	210	63.1	1	08/03/17 10:50	08/03/17 15:19	88-06-2	
2,4-Dichlorophenol	<111	ug/kg	369	111	1	08/03/17 10:50	08/03/17 15:19	120-83-2	
2,4-Dimethylphenol	<81.9	ug/kg	273	81.9	1	08/03/17 10:50	08/03/17 15:19	105-67-9	
2,4-Dinitrophenol	<126	ug/kg	420	126	1	08/03/17 10:50	08/03/17 15:19	51-28-5	
2,4-Dinitrotoluene	<59.2	ug/kg	197	59.2	1	08/03/17 10:50	08/03/17 15:19	121-14-2	
2,6-Dinitrotoluene	<78.6	ug/kg	262	78.6	1	08/03/17 10:50	08/03/17 15:19	606-20-2	
2-Chloronaphthalene	<53.1	ug/kg	177	53.1	1	08/03/17 10:50	08/03/17 15:19	91-58-7	
2-Chlorophenol	<103	ug/kg	344	103	1	08/03/17 10:50	08/03/17 15:19	95-57-8	
2-Methylnaphthalene	<107	ug/kg	358	107	1	08/03/17 10:50	08/03/17 15:19	91-57-6	
2-Methylphenol(o-Cresol)	<75.2	ug/kg	251	75.2	1	08/03/17 10:50	08/03/17 15:19	95-48-7	
2-Nitroaniline	<118	ug/kg	393	118	1	08/03/17 10:50	08/03/17 15:19	88-74-4	
2-Nitrophenol	<131	ug/kg	435	131	1	08/03/17 10:50	08/03/17 15:19	88-75-5	
3&4-Methylphenol(m&p Cresol)	<75.9	ug/kg	253	75.9	1	08/03/17 10:50	08/03/17 15:19		
3,3'-Dichlorobenzidine	<112	ug/kg	374	112	1	08/03/17 10:50	08/03/17 15:19	91-94-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-15 5-7 **Lab ID: 40154221011** Collected: 07/28/17 14:25 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<70.4	ug/kg	235	70.4	1	08/03/17 10:50	08/03/17 15:19	99-09-2	
4,6-Dinitro-2-methylphenol	<128	ug/kg	425	128	1	08/03/17 10:50	08/03/17 15:19	534-52-1	
4-Bromophenylphenyl ether	<86.7	ug/kg	289	86.7	1	08/03/17 10:50	08/03/17 15:19	101-55-3	
4-Chloro-3-methylphenol	<129	ug/kg	429	129	1	08/03/17 10:50	08/03/17 15:19	59-50-7	
4-Chloroaniline	<68.0	ug/kg	227	68.0	1	08/03/17 10:50	08/03/17 15:19	106-47-8	
4-Chlorophenylphenyl ether	<77.1	ug/kg	257	77.1	1	08/03/17 10:50	08/03/17 15:19	7005-72-3	
4-Nitroaniline	<172	ug/kg	573	172	1	08/03/17 10:50	08/03/17 15:19	100-01-6	
4-Nitrophenol	<104	ug/kg	347	104	1	08/03/17 10:50	08/03/17 15:19	100-02-7	
Acenaphthene	<147	ug/kg	489	147	1	08/03/17 10:50	08/03/17 15:19	83-32-9	
Acenaphthylene	<148	ug/kg	492	148	1	08/03/17 10:50	08/03/17 15:19	208-96-8	
Anthracene	<66.2	ug/kg	221	66.2	1	08/03/17 10:50	08/03/17 15:19	120-12-7	
Benzo(a)anthracene	<64.1	ug/kg	214	64.1	1	08/03/17 10:50	08/03/17 15:19	56-55-3	
Benzo(a)pyrene	<62.3	ug/kg	208	62.3	1	08/03/17 10:50	08/03/17 15:19	50-32-8	
Benzo(b)fluoranthene	<71.1	ug/kg	237	71.1	1	08/03/17 10:50	08/03/17 15:19	205-99-2	
Benzo(g,h,i)perylene	<108	ug/kg	361	108	1	08/03/17 10:50	08/03/17 15:19	191-24-2	
Benzo(k)fluoranthene	<99.1	ug/kg	330	99.1	1	08/03/17 10:50	08/03/17 15:19	207-08-9	
Butylbenzylphthalate	<66.4	ug/kg	221	66.4	1	08/03/17 10:50	08/03/17 15:19	85-68-7	
Carbazole	<64.8	ug/kg	216	64.8	1	08/03/17 10:50	08/03/17 15:19	86-74-8	
Chrysene	<61.9	ug/kg	206	61.9	1	08/03/17 10:50	08/03/17 15:19	218-01-9	
Di-n-butylphthalate	<61.9	ug/kg	206	61.9	1	08/03/17 10:50	08/03/17 15:19	84-74-2	
Di-n-octylphthalate	<93.1	ug/kg	310	93.1	1	08/03/17 10:50	08/03/17 15:19	117-84-0	
Dibenz(a,h)anthracene	<112	ug/kg	375	112	1	08/03/17 10:50	08/03/17 15:19	53-70-3	
Dibenzofuran	<50.1	ug/kg	167	50.1	1	08/03/17 10:50	08/03/17 15:19	132-64-9	
Diethylphthalate	<68.6	ug/kg	229	68.6	1	08/03/17 10:50	08/03/17 15:19	84-66-2	
Dimethylphthalate	<53.8	ug/kg	179	53.8	1	08/03/17 10:50	08/03/17 15:19	131-11-3	
Fluoranthene	81.0J	ug/kg	195	58.6	1	08/03/17 10:50	08/03/17 15:19	206-44-0	
Fluorene	<48.4	ug/kg	161	48.4	1	08/03/17 10:50	08/03/17 15:19	86-73-7	
Hexachloro-1,3-butadiene	<105	ug/kg	351	105	1	08/03/17 10:50	08/03/17 15:19	87-68-3	
Hexachlorobenzene	<69.6	ug/kg	232	69.6	1	08/03/17 10:50	08/03/17 15:19	118-74-1	
Hexachlorocyclopentadiene	<98.0	ug/kg	327	98.0	1	08/03/17 10:50	08/03/17 15:19	77-47-4	
Hexachloroethane	<66.2	ug/kg	221	66.2	1	08/03/17 10:50	08/03/17 15:19	67-72-1	
Indeno(1,2,3-cd)pyrene	<89.6	ug/kg	299	89.6	1	08/03/17 10:50	08/03/17 15:19	193-39-5	
Isophorone	<63.6	ug/kg	212	63.6	1	08/03/17 10:50	08/03/17 15:19	78-59-1	
N-Nitroso-di-n-propylamine	<65.7	ug/kg	219	65.7	1	08/03/17 10:50	08/03/17 15:19	621-64-7	
N-Nitrosodiphenylamine	<562	ug/kg	1870	562	1	08/03/17 10:50	08/03/17 15:19	86-30-6	
Naphthalene	<145	ug/kg	482	145	1	08/03/17 10:50	08/03/17 15:19	91-20-3	
Nitrobenzene	<83.9	ug/kg	280	83.9	1	08/03/17 10:50	08/03/17 15:19	98-95-3	
Pentachlorophenol	<91.2	ug/kg	304	91.2	1	08/03/17 10:50	08/03/17 15:19	87-86-5	
Phenanthrene	69.7J	ug/kg	177	53.1	1	08/03/17 10:50	08/03/17 15:19	85-01-8	
Phenol	<98.2	ug/kg	327	98.2	1	08/03/17 10:50	08/03/17 15:19	108-95-2	
Pyrene	<91.7	ug/kg	306	91.7	1	08/03/17 10:50	08/03/17 15:19	129-00-0	
bis(2-Chloroethoxy)methane	<111	ug/kg	372	111	1	08/03/17 10:50	08/03/17 15:19	111-91-1	
bis(2-Chloroethyl) ether	<129	ug/kg	431	129	1	08/03/17 10:50	08/03/17 15:19	111-44-4	
bis(2-Ethylhexyl)phthalate	<68.8	ug/kg	229	68.8	1	08/03/17 10:50	08/03/17 15:19	117-81-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-15 5-7 **Lab ID: 40154221011** Collected: 07/28/17 14:25 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

Nitrobenzene-d5 (S)	68	%	13-114		1	08/03/17 10:50	08/03/17 15:19	4165-60-0	
2-Fluorobiphenyl (S)	60	%	18-127		1	08/03/17 10:50	08/03/17 15:19	321-60-8	
Terphenyl-d14 (S)	76	%	41-109		1	08/03/17 10:50	08/03/17 15:19	1718-51-0	
Phenol-d6 (S)	66	%	30-97		1	08/03/17 10:50	08/03/17 15:19	13127-88-3	
2-Fluorophenol (S)	70	%	16-103		1	08/03/17 10:50	08/03/17 15:19	367-12-4	
2,4,6-Tribromophenol (S)	71	%	13-143		1	08/03/17 10:50	08/03/17 15:19	118-79-6	

8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Benzene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	71-43-2	W
Bromobenzene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	108-86-1	W
Bromochloromethane	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	74-97-5	W
Bromodichloromethane	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	75-27-4	W
Bromoform	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	75-25-2	W
Bromomethane	<3500	ug/kg	12500	3500	50	08/03/17 07:45	08/04/17 10:14	74-83-9	W
n-Butylbenzene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	104-51-8	W
sec-Butylbenzene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	135-98-8	W
tert-Butylbenzene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	98-06-6	W
Carbon tetrachloride	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	56-23-5	W
Chlorobenzene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	108-90-7	W
Chloroethane	<3350	ug/kg	12500	3350	50	08/03/17 07:45	08/04/17 10:14	75-00-3	W
Chloroform	<2320	ug/kg	12500	2320	50	08/03/17 07:45	08/04/17 10:14	67-66-3	W
Chloromethane	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	74-87-3	W
2-Chlorotoluene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	95-49-8	W
4-Chlorotoluene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	106-43-4	W
1,2-Dibromo-3-chloropropane	<4560	ug/kg	12500	4560	50	08/03/17 07:45	08/04/17 10:14	96-12-8	W
Dibromochloromethane	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	124-48-1	W
1,2-Dibromoethane (EDB)	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	106-93-4	W
Dibromomethane	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	74-95-3	W
1,2-Dichlorobenzene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	95-50-1	W
1,3-Dichlorobenzene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	541-73-1	W
1,4-Dichlorobenzene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	106-46-7	W
Dichlorodifluoromethane	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	75-71-8	W
1,1-Dichloroethane	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	75-34-3	W
1,2-Dichloroethane	382000	ug/kg	7450	3110	50	08/03/17 07:45	08/04/17 10:14	107-06-2	
1,1-Dichloroethene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	75-35-4	W
cis-1,2-Dichloroethene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	156-59-2	W
trans-1,2-Dichloroethene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	156-60-5	W
1,2-Dichloropropane	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	78-87-5	W
1,3-Dichloropropane	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	142-28-9	W
2,2-Dichloropropane	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	594-20-7	W
1,1-Dichloropropene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	563-58-6	W
cis-1,3-Dichloropropene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	10061-01-5	W
trans-1,3-Dichloropropene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	10061-02-6	W
Diisopropyl ether	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	108-20-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-15 5-7 **Lab ID: 40154221011** Collected: 07/28/17 14:25 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Ethylbenzene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	100-41-4	W
Hexachloro-1,3-butadiene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	87-68-3	W
Isopropylbenzene (Cumene)	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	98-82-8	W
p-Isopropyltoluene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	99-87-6	W
Methylene Chloride	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	75-09-2	W
Methyl-tert-butyl ether	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	1634-04-4	W
Naphthalene	<2000	ug/kg	12500	2000	50	08/03/17 07:45	08/04/17 10:14	91-20-3	W
n-Propylbenzene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	103-65-1	W
Styrene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	100-42-5	W
1,1,1,2-Tetrachloroethane	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	630-20-6	W
1,1,2,2-Tetrachloroethane	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	79-34-5	W
Tetrachloroethene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	127-18-4	W
Toluene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	108-88-3	W
1,2,3-Trichlorobenzene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	87-61-6	W
1,2,4-Trichlorobenzene	<2380	ug/kg	12500	2380	50	08/03/17 07:45	08/04/17 10:14	120-82-1	W
1,1,1-Trichloroethane	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	71-55-6	W
1,1,2-Trichloroethane	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	79-00-5	W
Trichloroethene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	79-01-6	W
Trichlorofluoromethane	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	75-69-4	W
1,2,3-Trichloropropane	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	96-18-4	W
1,2,4-Trimethylbenzene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	95-63-6	W
1,3,5-Trimethylbenzene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	108-67-8	W
Vinyl chloride	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	75-01-4	W
m&p-Xylene	<2500	ug/kg	6000	2500	50	08/03/17 07:45	08/04/17 10:14	179601-23-1	W
o-Xylene	<1250	ug/kg	3000	1250	50	08/03/17 07:45	08/04/17 10:14	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	0	%	68-130		50	08/03/17 07:45	08/04/17 10:14	1868-53-7	S4
Toluene-d8 (S)	0	%	68-149		50	08/03/17 07:45	08/04/17 10:14	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	58-141		50	08/03/17 07:45	08/04/17 10:14	460-00-4	S4

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	59.8	%	0.10	0.10	1		08/07/17 17:46		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-13 1.5-2 **Lab ID: 40154221012** Collected: 07/28/17 14:50 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	16.0	mg/kg	1.7	0.58	1	08/02/17 14:07	08/04/17 10:40	7439-92-1	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	18.9J	ug/kg	19.3	5.8	1	08/08/17 10:02	08/14/17 11:16	83-32-9	
Acenaphthylene	<4.9	ug/kg	16.4	4.9	1	08/08/17 10:02	08/14/17 11:16	208-96-8	
Anthracene	44.3	ug/kg	28.4	8.5	1	08/08/17 10:02	08/14/17 11:16	120-12-7	
Benzo(a)anthracene	115	ug/kg	15.8	4.7	1	08/08/17 10:02	08/14/17 11:16	56-55-3	
Benzo(a)pyrene	107	ug/kg	12.5	3.7	1	08/08/17 10:02	08/14/17 11:16	50-32-8	
Benzo(b)fluoranthene	103	ug/kg	14.0	4.2	1	08/08/17 10:02	08/14/17 11:16	205-99-2	
Benzo(g,h,i)perylene	72.1	ug/kg	10.1	3.0	1	08/08/17 10:02	08/14/17 11:16	191-24-2	
Benzo(k)fluoranthene	106	ug/kg	12.5	3.7	1	08/08/17 10:02	08/14/17 11:16	207-08-9	
Chrysene	128	ug/kg	16.7	5.0	1	08/08/17 10:02	08/14/17 11:16	218-01-9	
Dibenz(a,h)anthracene	26.4	ug/kg	11.1	3.3	1	08/08/17 10:02	08/14/17 11:16	53-70-3	
Fluoranthene	298	ug/kg	26.0	7.8	1	08/08/17 10:02	08/14/17 11:16	206-44-0	
Fluorene	15.3J	ug/kg	20.6	6.2	1	08/08/17 10:02	08/14/17 11:16	86-73-7	
Indeno(1,2,3-cd)pyrene	64.7	ug/kg	10.9	3.3	1	08/08/17 10:02	08/14/17 11:16	193-39-5	
1-Methylnaphthalene	<6.0	ug/kg	20.0	6.0	1	08/08/17 10:02	08/14/17 11:16	90-12-0	
2-Methylnaphthalene	<7.5	ug/kg	24.9	7.5	1	08/08/17 10:02	08/14/17 11:16	91-57-6	
Naphthalene	<12.6	ug/kg	41.9	12.6	1	08/08/17 10:02	08/14/17 11:16	91-20-3	
Phenanthrene	176	ug/kg	57.9	17.4	1	08/08/17 10:02	08/14/17 11:16	85-01-8	
Pyrene	218	ug/kg	22.4	6.7	1	08/08/17 10:02	08/14/17 11:16	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	43	%	19-96		1	08/08/17 10:02	08/14/17 11:16	321-60-8	
Terphenyl-d14 (S)	52	%	31-98		1	08/08/17 10:02	08/14/17 11:16	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/03/17 07:45	08/04/17 09:51	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/03/17 07:45	08/04/17 09:51	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/03/17 07:45	08/04/17 09:51	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/03/17 07:45	08/04/17 09:51	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-13 1.5-2 **Lab ID: 40154221012** Collected: 07/28/17 14:50 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	75-34-3	W
1,2-Dichloroethane	40.5J	ug/kg	89.6	37.3	1	08/03/17 07:45	08/04/17 09:51	107-06-2	
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/03/17 07:45	08/04/17 09:51	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/03/17 07:45	08/04/17 09:51	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/03/17 07:45	08/04/17 09:51	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/04/17 09:51	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	103	%	68-130		1	08/03/17 07:45	08/04/17 09:51	1868-53-7	
Toluene-d8 (S)	102	%	68-149		1	08/03/17 07:45	08/04/17 09:51	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-13 1.5-2 **Lab ID: 40154221012** Collected: 07/28/17 14:50 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	84	%	58-141		1	08/03/17 07:45	08/04/17 09:51	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	33.1	%	0.10	0.10	1		08/07/17 17:46		

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-18 4-5 **Lab ID: 40154221013** Collected: 07/28/17 16:20 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	608	mg/kg	1.6	0.53	1	08/02/17 14:07	08/04/17 10:42	7439-92-1	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	15.1J	ug/kg	16.9	5.1	1	08/08/17 10:02	08/09/17 01:46	83-32-9	
Acenaphthylene	7.2J	ug/kg	14.4	4.3	1	08/08/17 10:02	08/09/17 01:46	208-96-8	
Anthracene	57.9	ug/kg	24.9	7.5	1	08/08/17 10:02	08/09/17 01:46	120-12-7	
Benzo(a)anthracene	147	ug/kg	13.9	4.2	1	08/08/17 10:02	08/09/17 01:46	56-55-3	
Benzo(a)pyrene	149	ug/kg	11.0	3.3	1	08/08/17 10:02	08/09/17 01:46	50-32-8	
Benzo(b)fluoranthene	108	ug/kg	12.3	3.7	1	08/08/17 10:02	08/09/17 01:46	205-99-2	
Benzo(g,h,i)perylene	104	ug/kg	8.9	2.7	1	08/08/17 10:02	08/09/17 01:46	191-24-2	
Benzo(k)fluoranthene	152	ug/kg	11.0	3.3	1	08/08/17 10:02	08/09/17 01:46	207-08-9	
Chrysene	180	ug/kg	14.7	4.4	1	08/08/17 10:02	08/09/17 01:46	218-01-9	
Dibenz(a,h)anthracene	38.9	ug/kg	9.8	2.9	1	08/08/17 10:02	08/09/17 01:46	53-70-3	
Fluoranthene	308	ug/kg	22.8	6.8	1	08/08/17 10:02	08/09/17 01:46	206-44-0	
Fluorene	20.0	ug/kg	18.1	5.4	1	08/08/17 10:02	08/09/17 01:46	86-73-7	
Indeno(1,2,3-cd)pyrene	92.4	ug/kg	9.6	2.9	1	08/08/17 10:02	08/09/17 01:46	193-39-5	
1-Methylnaphthalene	<5.3	ug/kg	17.6	5.3	1	08/08/17 10:02	08/09/17 01:46	90-12-0	
2-Methylnaphthalene	<6.6	ug/kg	21.9	6.6	1	08/08/17 10:02	08/09/17 01:46	91-57-6	
Naphthalene	<11.0	ug/kg	36.8	11.0	1	08/08/17 10:02	08/09/17 01:46	91-20-3	
Phenanthrene	190	ug/kg	50.9	15.3	1	08/08/17 10:02	08/09/17 01:46	85-01-8	
Pyrene	275	ug/kg	19.7	5.9	1	08/08/17 10:02	08/09/17 01:46	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	55	%	19-96		1	08/08/17 10:02	08/09/17 01:46	321-60-8	
Terphenyl-d14 (S)	58	%	31-98		1	08/08/17 10:02	08/09/17 01:46	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/03/17 07:45	08/03/17 21:56	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/03/17 07:45	08/03/17 21:56	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/03/17 07:45	08/03/17 21:56	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/03/17 07:45	08/03/17 21:56	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	106-93-4	W

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-18 4-5 Lab ID: 40154221013 Collected: 07/28/17 16:20 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/03/17 07:45	08/03/17 21:56	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/03/17 07:45	08/03/17 21:56	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/03/17 07:45	08/03/17 21:56	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 21:56	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	104	%	68-130		1	08/03/17 07:45	08/03/17 21:56	1868-53-7	
Toluene-d8 (S)	105	%	68-149		1	08/03/17 07:45	08/03/17 21:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-18 4-5 **Lab ID: 40154221013** Collected: 07/28/17 16:20 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	87	%	58-141		1	08/03/17 07:45	08/03/17 21:56	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	23.8	%	0.10	0.10	1		08/07/17 17:46		

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-19 1.5-2 **Lab ID: 40154221014** Collected: 07/31/17 09:30 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<29.4	ug/kg	58.9	29.4	1	08/07/17 13:29	08/08/17 07:03	12674-11-2	
PCB-1221 (Aroclor 1221)	<29.4	ug/kg	58.9	29.4	1	08/07/17 13:29	08/08/17 07:03	11104-28-2	
PCB-1232 (Aroclor 1232)	<29.4	ug/kg	58.9	29.4	1	08/07/17 13:29	08/08/17 07:03	11141-16-5	
PCB-1242 (Aroclor 1242)	<29.4	ug/kg	58.9	29.4	1	08/07/17 13:29	08/08/17 07:03	53469-21-9	
PCB-1248 (Aroclor 1248)	<29.4	ug/kg	58.9	29.4	1	08/07/17 13:29	08/08/17 07:03	12672-29-6	
PCB-1254 (Aroclor 1254)	<29.4	ug/kg	58.9	29.4	1	08/07/17 13:29	08/08/17 07:03	11097-69-1	
PCB-1260 (Aroclor 1260)	<29.4	ug/kg	58.9	29.4	1	08/07/17 13:29	08/08/17 07:03	11096-82-5	
PCB, Total	<29.4	ug/kg	58.9	29.4	1	08/07/17 13:29	08/08/17 07:03	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	72	%	50-102		1	08/07/17 13:29	08/08/17 07:03	877-09-8	
Decachlorobiphenyl (S)	71	%	53-105		1	08/07/17 13:29	08/08/17 07:03	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	3.8J	mg/kg	5.8	1.2	1	08/02/17 14:07	08/04/17 10:45	7440-38-2	
Barium	72.2	mg/kg	0.58	0.17	1	08/02/17 14:07	08/04/17 10:45	7440-39-3	
Cadmium	1.8	mg/kg	0.58	0.16	1	08/02/17 14:07	08/04/17 10:45	7440-43-9	
Chromium	20.8	mg/kg	1.2	0.32	1	08/02/17 14:07	08/04/17 10:45	7440-47-3	
Lead	47.9	mg/kg	1.5	0.50	1	08/02/17 14:07	08/04/17 10:45	7439-92-1	
Selenium	<1.3	mg/kg	5.8	1.3	1	08/02/17 14:07	08/04/17 10:45	7782-49-2	
Silver	<0.40	mg/kg	1.2	0.40	1	08/02/17 14:07	08/04/17 10:45	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.063	mg/kg	0.041	0.012	1	08/14/17 07:10	08/15/17 11:32	7439-97-6	
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<22.3	ug/kg	74.2	22.3	1	08/03/17 10:50	08/04/17 12:33	120-82-1	
1,2-Dichlorobenzene	<61.9	ug/kg	206	61.9	1	08/03/17 10:50	08/04/17 12:33	95-50-1	
1,3-Dichlorobenzene	<27.3	ug/kg	90.9	27.3	1	08/03/17 10:50	08/04/17 12:33	541-73-1	
1,4-Dichlorobenzene	<27.4	ug/kg	91.4	27.4	1	08/03/17 10:50	08/04/17 12:33	106-46-7	
2,2'-Oxybis(1-chloropropane)	<50.8	ug/kg	169	50.8	1	08/03/17 10:50	08/04/17 12:33	108-60-1	
2,4,5-Trichlorophenol	<34.8	ug/kg	116	34.8	1	08/03/17 10:50	08/04/17 12:33	95-95-4	
2,4,6-Trichlorophenol	<30.0	ug/kg	100	30.0	1	08/03/17 10:50	08/04/17 12:33	88-06-2	
2,4-Dichlorophenol	<52.6	ug/kg	175	52.6	1	08/03/17 10:50	08/04/17 12:33	120-83-2	
2,4-Dimethylphenol	<38.9	ug/kg	130	38.9	1	08/03/17 10:50	08/04/17 12:33	105-67-9	
2,4-Dinitrophenol	<60.0	ug/kg	200	60.0	1	08/03/17 10:50	08/04/17 12:33	51-28-5	
2,4-Dinitrotoluene	<28.2	ug/kg	93.9	28.2	1	08/03/17 10:50	08/04/17 12:33	121-14-2	
2,6-Dinitrotoluene	<37.4	ug/kg	125	37.4	1	08/03/17 10:50	08/04/17 12:33	606-20-2	
2-Chloronaphthalene	<25.3	ug/kg	84.3	25.3	1	08/03/17 10:50	08/04/17 12:33	91-58-7	
2-Chlorophenol	<49.1	ug/kg	164	49.1	1	08/03/17 10:50	08/04/17 12:33	95-57-8	
2-Methylnaphthalene	74.4J	ug/kg	170	51.1	1	08/03/17 10:50	08/04/17 12:33	91-57-6	
2-Methylphenol(o-Cresol)	<35.8	ug/kg	119	35.8	1	08/03/17 10:50	08/04/17 12:33	95-48-7	
2-Nitroaniline	<56.1	ug/kg	187	56.1	1	08/03/17 10:50	08/04/17 12:33	88-74-4	
2-Nitrophenol	<62.1	ug/kg	207	62.1	1	08/03/17 10:50	08/04/17 12:33	88-75-5	
3&4-Methylphenol(m&p Cresol)	<36.1	ug/kg	120	36.1	1	08/03/17 10:50	08/04/17 12:33		
3,3'-Dichlorobenzidine	<53.4	ug/kg	178	53.4	1	08/03/17 10:50	08/04/17 12:33	91-94-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-19 1.5-2 **Lab ID: 40154221014** Collected: 07/31/17 09:30 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<33.5	ug/kg	112	33.5	1	08/03/17 10:50	08/04/17 12:33	99-09-2	
4,6-Dinitro-2-methylphenol	<60.7	ug/kg	202	60.7	1	08/03/17 10:50	08/04/17 12:33	534-52-1	
4-Bromophenylphenyl ether	<41.2	ug/kg	137	41.2	1	08/03/17 10:50	08/04/17 12:33	101-55-3	
4-Chloro-3-methylphenol	<61.3	ug/kg	204	61.3	1	08/03/17 10:50	08/04/17 12:33	59-50-7	
4-Chloroaniline	<32.4	ug/kg	108	32.4	1	08/03/17 10:50	08/04/17 12:33	106-47-8	
4-Chlorophenylphenyl ether	<36.7	ug/kg	122	36.7	1	08/03/17 10:50	08/04/17 12:33	7005-72-3	
4-Nitroaniline	<81.7	ug/kg	272	81.7	1	08/03/17 10:50	08/04/17 12:33	100-01-6	
4-Nitrophenol	<49.6	ug/kg	165	49.6	1	08/03/17 10:50	08/04/17 12:33	100-02-7	
Acenaphthene	<69.8	ug/kg	233	69.8	1	08/03/17 10:50	08/04/17 12:33	83-32-9	
Acenaphthylene	<70.2	ug/kg	234	70.2	1	08/03/17 10:50	08/04/17 12:33	208-96-8	
Anthracene	<31.5	ug/kg	105	31.5	1	08/03/17 10:50	08/04/17 12:33	120-12-7	
Benzo(a)anthracene	55.4J	ug/kg	102	30.5	1	08/03/17 10:50	08/04/17 12:33	56-55-3	
Benzo(a)pyrene	65.0J	ug/kg	98.7	29.6	1	08/03/17 10:50	08/04/17 12:33	50-32-8	
Benzo(b)fluoranthene	97.6J	ug/kg	113	33.8	1	08/03/17 10:50	08/04/17 12:33	205-99-2	
Benzo(g,h,i)perylene	74.8J	ug/kg	172	51.5	1	08/03/17 10:50	08/04/17 12:33	191-24-2	
Benzo(k)fluoranthene	<47.1	ug/kg	157	47.1	1	08/03/17 10:50	08/04/17 12:33	207-08-9	
Butylbenzylphthalate	<31.6	ug/kg	105	31.6	1	08/03/17 10:50	08/04/17 12:33	85-68-7	
Carbazole	<30.8	ug/kg	103	30.8	1	08/03/17 10:50	08/04/17 12:33	86-74-8	
Chrysene	84.6J	ug/kg	98.1	29.4	1	08/03/17 10:50	08/04/17 12:33	218-01-9	
Di-n-butylphthalate	<29.4	ug/kg	98.1	29.4	1	08/03/17 10:50	08/04/17 12:33	84-74-2	
Di-n-octylphthalate	<44.3	ug/kg	148	44.3	1	08/03/17 10:50	08/04/17 12:33	117-84-0	
Dibenz(a,h)anthracene	<53.5	ug/kg	178	53.5	1	08/03/17 10:50	08/04/17 12:33	53-70-3	
Dibenzofuran	25.6J	ug/kg	79.4	23.8	1	08/03/17 10:50	08/04/17 12:33	132-64-9	
Diethylphthalate	<32.6	ug/kg	109	32.6	1	08/03/17 10:50	08/04/17 12:33	84-66-2	
Dimethylphthalate	<25.6	ug/kg	85.4	25.6	1	08/03/17 10:50	08/04/17 12:33	131-11-3	
Fluoranthene	134	ug/kg	92.9	27.9	1	08/03/17 10:50	08/04/17 12:33	206-44-0	
Fluorene	<23.0	ug/kg	76.7	23.0	1	08/03/17 10:50	08/04/17 12:33	86-73-7	
Hexachloro-1,3-butadiene	<50.2	ug/kg	167	50.2	1	08/03/17 10:50	08/04/17 12:33	87-68-3	
Hexachlorobenzene	<33.1	ug/kg	110	33.1	1	08/03/17 10:50	08/04/17 12:33	118-74-1	
Hexachlorocyclopentadiene	<46.6	ug/kg	155	46.6	1	08/03/17 10:50	08/04/17 12:33	77-47-4	
Hexachloroethane	<31.5	ug/kg	105	31.5	1	08/03/17 10:50	08/04/17 12:33	67-72-1	
Indeno(1,2,3-cd)pyrene	72.8J	ug/kg	142	42.6	1	08/03/17 10:50	08/04/17 12:33	193-39-5	
Isophorone	<30.3	ug/kg	101	30.3	1	08/03/17 10:50	08/04/17 12:33	78-59-1	
N-Nitroso-di-n-propylamine	<31.2	ug/kg	104	31.2	1	08/03/17 10:50	08/04/17 12:33	621-64-7	
N-Nitrosodiphenylamine	<267	ug/kg	890	267	1	08/03/17 10:50	08/04/17 12:33	86-30-6	
Naphthalene	<68.8	ug/kg	229	68.8	1	08/03/17 10:50	08/04/17 12:33	91-20-3	
Nitrobenzene	<39.9	ug/kg	133	39.9	1	08/03/17 10:50	08/04/17 12:33	98-95-3	
Pentachlorophenol	<43.4	ug/kg	145	43.4	1	08/03/17 10:50	08/04/17 12:33	87-86-5	
Phenanthrene	149	ug/kg	84.2	25.3	1	08/03/17 10:50	08/04/17 12:33	85-01-8	
Phenol	<46.7	ug/kg	156	46.7	1	08/03/17 10:50	08/04/17 12:33	108-95-2	
Pyrene	111J	ug/kg	145	43.6	1	08/03/17 10:50	08/04/17 12:33	129-00-0	
bis(2-Chloroethoxy)methane	<53.0	ug/kg	177	53.0	1	08/03/17 10:50	08/04/17 12:33	111-91-1	
bis(2-Chloroethyl) ether	<61.5	ug/kg	205	61.5	1	08/03/17 10:50	08/04/17 12:33	111-44-4	
bis(2-Ethylhexyl)phthalate	<32.7	ug/kg	109	32.7	1	08/03/17 10:50	08/04/17 12:33	117-81-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-19 1.5-2 **Lab ID: 40154221014** Collected: 07/31/17 09:30 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

Nitrobenzene-d5 (S)	62	%	13-114		1	08/03/17 10:50	08/04/17 12:33	4165-60-0	
2-Fluorobiphenyl (S)	60	%	18-127		1	08/03/17 10:50	08/04/17 12:33	321-60-8	
Terphenyl-d14 (S)	62	%	41-109		1	08/03/17 10:50	08/04/17 12:33	1718-51-0	
Phenol-d6 (S)	50	%	30-97		1	08/03/17 10:50	08/04/17 12:33	13127-88-3	
2-Fluorophenol (S)	52	%	16-103		1	08/03/17 10:50	08/04/17 12:33	367-12-4	
2,4,6-Tribromophenol (S)	70	%	13-143		1	08/03/17 10:50	08/04/17 12:33	118-79-6	

8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Benzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/03/17 07:45	08/03/17 23:06	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/03/17 07:45	08/03/17 23:06	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/03/17 07:45	08/03/17 23:06	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/03/17 07:45	08/03/17 23:06	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	108-20-3	W

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-19 1.5-2 **Lab ID: 40154221014** Collected: 07/31/17 09:30 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/03/17 07:45	08/03/17 23:06	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/03/17 07:45	08/03/17 23:06	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	96-18-4	W
1,2,4-Trimethylbenzene	33.9J	ug/kg	70.7	29.4	1	08/03/17 07:45	08/03/17 23:06	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/03/17 07:45	08/03/17 23:06	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 23:06	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	104	%	68-130		1	08/03/17 07:45	08/03/17 23:06	1868-53-7	
Toluene-d8 (S)	106	%	68-149		1	08/03/17 07:45	08/03/17 23:06	2037-26-5	
4-Bromofluorobenzene (S)	84	%	58-141		1	08/03/17 07:45	08/03/17 23:06	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	15.1	%	0.10	0.10	1		08/08/17 09:56		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT
Pace Project No.: 40154221

Sample: SB-11 4-5 Lab ID: 40154221015 Collected: 07/31/17 08:55 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	24.0	mg/kg	1.9	0.62	1	08/02/17 14:07	08/04/17 10:47	7439-92-1	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<12.3	ug/kg	40.8	12.3	2	08/08/17 10:02	08/09/17 16:12	83-32-9	
Acenaphthylene	<10.4	ug/kg	34.8	10.4	2	08/08/17 10:02	08/09/17 16:12	208-96-8	
Anthracene	<18.0	ug/kg	60.0	18.0	2	08/08/17 10:02	08/09/17 16:12	120-12-7	
Benzo(a)anthracene	<10.0	ug/kg	33.5	10.0	2	08/08/17 10:02	08/09/17 16:12	56-55-3	
Benzo(a)pyrene	<7.9	ug/kg	26.4	7.9	2	08/08/17 10:02	08/09/17 16:12	50-32-8	
Benzo(b)fluoranthene	<8.9	ug/kg	29.7	8.9	2	08/08/17 10:02	08/09/17 16:12	205-99-2	
Benzo(g,h,i)perylene	<6.4	ug/kg	21.4	6.4	2	08/08/17 10:02	08/09/17 16:12	191-24-2	
Benzo(k)fluoranthene	<7.9	ug/kg	26.4	7.9	2	08/08/17 10:02	08/09/17 16:12	207-08-9	
Chrysene	<10.7	ug/kg	35.4	10.7	2	08/08/17 10:02	08/09/17 16:12	218-01-9	
Dibenz(a,h)anthracene	<7.1	ug/kg	23.5	7.1	2	08/08/17 10:02	08/09/17 16:12	53-70-3	
Fluoranthene	<16.5	ug/kg	55.0	16.5	2	08/08/17 10:02	08/09/17 16:12	206-44-0	
Fluorene	<13.1	ug/kg	43.6	13.1	2	08/08/17 10:02	08/09/17 16:12	86-73-7	
Indeno(1,2,3-cd)pyrene	<6.9	ug/kg	23.2	6.9	2	08/08/17 10:02	08/09/17 16:12	193-39-5	
1-Methylnaphthalene	240	ug/kg	42.3	12.7	2	08/08/17 10:02	08/09/17 16:12	90-12-0	
2-Methylnaphthalene	567	ug/kg	52.8	15.8	2	08/08/17 10:02	08/09/17 16:12	91-57-6	
Naphthalene	1350	ug/kg	88.8	26.6	2	08/08/17 10:02	08/09/17 16:12	91-20-3	
Phenanthrene	<36.8	ug/kg	123	36.8	2	08/08/17 10:02	08/09/17 16:12	85-01-8	
Pyrene	<14.3	ug/kg	47.4	14.3	2	08/08/17 10:02	08/09/17 16:12	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	31	%	19-96		2	08/08/17 10:02	08/09/17 16:12	321-60-8	
Terphenyl-d14 (S)	42	%	31-98		2	08/08/17 10:02	08/09/17 16:12	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	2180	ug/kg	946	394	10	08/03/17 07:45	08/03/17 14:24	71-43-2	
Bromobenzene	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	108-86-1	W
Bromochloromethane	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	74-97-5	W
Bromodichloromethane	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	75-27-4	W
Bromoform	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	75-25-2	W
Bromomethane	<699	ug/kg	2500	699	10	08/03/17 07:45	08/03/17 14:24	74-83-9	W
n-Butylbenzene	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	104-51-8	W
sec-Butylbenzene	1480	ug/kg	946	394	10	08/03/17 07:45	08/03/17 14:24	135-98-8	
tert-Butylbenzene	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	98-06-6	W
Carbon tetrachloride	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	56-23-5	W
Chlorobenzene	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	108-90-7	W
Chloroethane	<670	ug/kg	2500	670	10	08/03/17 07:45	08/03/17 14:24	75-00-3	W
Chloroform	<464	ug/kg	2500	464	10	08/03/17 07:45	08/03/17 14:24	67-66-3	W
Chloromethane	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	74-87-3	W
2-Chlorotoluene	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	95-49-8	W
4-Chlorotoluene	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	106-43-4	W
1,2-Dibromo-3-chloropropane	<912	ug/kg	2500	912	10	08/03/17 07:45	08/03/17 14:24	96-12-8	W
Dibromochloromethane	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	124-48-1	W
1,2-Dibromoethane (EDB)	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-11 4-5 **Lab ID: 40154221015** Collected: 07/31/17 08:55 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	74-95-3	W
1,2-Dichlorobenzene	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	95-50-1	W
1,3-Dichlorobenzene	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	541-73-1	W
1,4-Dichlorobenzene	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	106-46-7	W
Dichlorodifluoromethane	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	75-71-8	W
1,1-Dichloroethane	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	75-34-3	W
1,2-Dichloroethane	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	107-06-2	W
1,1-Dichloroethene	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	75-35-4	W
cis-1,2-Dichloroethene	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	156-59-2	W
trans-1,2-Dichloroethene	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	156-60-5	W
1,2-Dichloropropane	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	78-87-5	W
1,3-Dichloropropane	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	142-28-9	W
2,2-Dichloropropane	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	594-20-7	W
1,1-Dichloropropene	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	563-58-6	W
cis-1,3-Dichloropropene	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	10061-01-5	W
trans-1,3-Dichloropropene	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	10061-02-6	W
Diisopropyl ether	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	108-20-3	W
Ethylbenzene	54600	ug/kg	946	394	10	08/03/17 07:45	08/03/17 14:24	100-41-4	
Hexachloro-1,3-butadiene	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	87-68-3	W
Isopropylbenzene (Cumene)	4690	ug/kg	946	394	10	08/03/17 07:45	08/03/17 14:24	98-82-8	
p-Isopropyltoluene	984	ug/kg	946	394	10	08/03/17 07:45	08/03/17 14:24	99-87-6	
Methylene Chloride	459J	ug/kg	946	394	10	08/03/17 07:45	08/03/17 14:24	75-09-2	
Methyl-tert-butyl ether	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	1634-04-4	W
Naphthalene	10300	ug/kg	3940	632	10	08/03/17 07:45	08/03/17 14:24	91-20-3	
n-Propylbenzene	17900	ug/kg	946	394	10	08/03/17 07:45	08/03/17 14:24	103-65-1	
Styrene	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	100-42-5	W
1,1,1,2-Tetrachloroethane	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	630-20-6	W
1,1,2,2-Tetrachloroethane	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	79-34-5	W
Tetrachloroethene	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	127-18-4	W
Toluene	64700	ug/kg	946	394	10	08/03/17 07:45	08/03/17 14:24	108-88-3	
1,2,3-Trichlorobenzene	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	87-61-6	W
1,2,4-Trichlorobenzene	<476	ug/kg	2500	476	10	08/03/17 07:45	08/03/17 14:24	120-82-1	W
1,1,1-Trichloroethane	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	71-55-6	W
1,1,2-Trichloroethane	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	79-00-5	W
Trichloroethene	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	79-01-6	W
Trichlorofluoromethane	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	75-69-4	W
1,2,3-Trichloropropane	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	96-18-4	W
1,2,4-Trimethylbenzene	98700	ug/kg	946	394	10	08/03/17 07:45	08/03/17 14:24	95-63-6	
1,3,5-Trimethylbenzene	28300	ug/kg	946	394	10	08/03/17 07:45	08/03/17 14:24	108-67-8	
Vinyl chloride	<250	ug/kg	600	250	10	08/03/17 07:45	08/03/17 14:24	75-01-4	W
m&p-Xylene	204000	ug/kg	1890	789	10	08/03/17 07:45	08/03/17 14:24	179601-23-1	
o-Xylene	76700	ug/kg	946	394	10	08/03/17 07:45	08/03/17 14:24	95-47-6	
Surrogates									
Dibromofluoromethane (S)	103	%	68-130		10	08/03/17 07:45	08/03/17 14:24	1868-53-7	
Toluene-d8 (S)	103	%	68-149		10	08/03/17 07:45	08/03/17 14:24	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-11 4-5 **Lab ID: 40154221015** Collected: 07/31/17 08:55 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	115	%	58-141		10	08/03/17 07:45	08/03/17 14:24	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	36.6	%	0.10	0.10	1		08/02/17 12:30		

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-23 2-2.5 **Lab ID: 40154221016** Collected: 07/31/17 11:00 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<27.1	ug/kg	54.2	27.1	1	08/07/17 13:29	08/08/17 07:25	12674-11-2	
PCB-1221 (Aroclor 1221)	<27.1	ug/kg	54.2	27.1	1	08/07/17 13:29	08/08/17 07:25	11104-28-2	
PCB-1232 (Aroclor 1232)	<27.1	ug/kg	54.2	27.1	1	08/07/17 13:29	08/08/17 07:25	11141-16-5	
PCB-1242 (Aroclor 1242)	<27.1	ug/kg	54.2	27.1	1	08/07/17 13:29	08/08/17 07:25	53469-21-9	
PCB-1248 (Aroclor 1248)	<27.1	ug/kg	54.2	27.1	1	08/07/17 13:29	08/08/17 07:25	12672-29-6	
PCB-1254 (Aroclor 1254)	<27.1	ug/kg	54.2	27.1	1	08/07/17 13:29	08/08/17 07:25	11097-69-1	
PCB-1260 (Aroclor 1260)	<27.1	ug/kg	54.2	27.1	1	08/07/17 13:29	08/08/17 07:25	11096-82-5	
PCB, Total	<27.1	ug/kg	54.2	27.1	1	08/07/17 13:29	08/08/17 07:25	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	71	%	50-102		1	08/07/17 13:29	08/08/17 07:25	877-09-8	
Decachlorobiphenyl (S)	71	%	53-105		1	08/07/17 13:29	08/08/17 07:25	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	3.1J	mg/kg	5.1	1.1	1	08/02/17 14:07	08/04/17 10:49	7440-38-2	
Barium	25.1	mg/kg	0.51	0.15	1	08/02/17 14:07	08/04/17 10:49	7440-39-3	
Cadmium	0.84	mg/kg	0.51	0.13	1	08/02/17 14:07	08/04/17 10:49	7440-43-9	
Chromium	10.5	mg/kg	1.0	0.28	1	08/02/17 14:07	08/04/17 10:49	7440-47-3	
Lead	14.9	mg/kg	1.3	0.44	1	08/02/17 14:07	08/04/17 10:49	7439-92-1	
Selenium	<1.1	mg/kg	5.1	1.1	1	08/02/17 14:07	08/04/17 10:49	7782-49-2	
Silver	<0.35	mg/kg	1.0	0.35	1	08/02/17 14:07	08/04/17 10:49	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.033J	mg/kg	0.038	0.011	1	08/14/17 07:10	08/15/17 11:34	7439-97-6	
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<20.4	ug/kg	68.1	20.4	1	08/03/17 10:50	08/04/17 15:45	120-82-1	
1,2-Dichlorobenzene	<56.8	ug/kg	189	56.8	1	08/03/17 10:50	08/04/17 15:45	95-50-1	
1,3-Dichlorobenzene	<25.0	ug/kg	83.4	25.0	1	08/03/17 10:50	08/04/17 15:45	541-73-1	
1,4-Dichlorobenzene	<25.2	ug/kg	83.9	25.2	1	08/03/17 10:50	08/04/17 15:45	106-46-7	
2,2'-Oxybis(1-chloropropane)	<46.6	ug/kg	155	46.6	1	08/03/17 10:50	08/04/17 15:45	108-60-1	
2,4,5-Trichlorophenol	<31.9	ug/kg	106	31.9	1	08/03/17 10:50	08/04/17 15:45	95-95-4	
2,4,6-Trichlorophenol	<27.6	ug/kg	91.9	27.6	1	08/03/17 10:50	08/04/17 15:45	88-06-2	
2,4-Dichlorophenol	<48.3	ug/kg	161	48.3	1	08/03/17 10:50	08/04/17 15:45	120-83-2	
2,4-Dimethylphenol	<35.7	ug/kg	119	35.7	1	08/03/17 10:50	08/04/17 15:45	105-67-9	
2,4-Dinitrophenol	<55.1	ug/kg	184	55.1	1	08/03/17 10:50	08/04/17 15:45	51-28-5	
2,4-Dinitrotoluene	<25.9	ug/kg	86.2	25.9	1	08/03/17 10:50	08/04/17 15:45	121-14-2	
2,6-Dinitrotoluene	<34.3	ug/kg	114	34.3	1	08/03/17 10:50	08/04/17 15:45	606-20-2	
2-Chloronaphthalene	<23.2	ug/kg	77.4	23.2	1	08/03/17 10:50	08/04/17 15:45	91-58-7	
2-Chlorophenol	<45.1	ug/kg	150	45.1	1	08/03/17 10:50	08/04/17 15:45	95-57-8	
2-Methylnaphthalene	<46.9	ug/kg	156	46.9	1	08/03/17 10:50	08/04/17 15:45	91-57-6	
2-Methylphenol(o-Cresol)	<32.8	ug/kg	109	32.8	1	08/03/17 10:50	08/04/17 15:45	95-48-7	
2-Nitroaniline	<51.5	ug/kg	172	51.5	1	08/03/17 10:50	08/04/17 15:45	88-74-4	
2-Nitrophenol	<57.0	ug/kg	190	57.0	1	08/03/17 10:50	08/04/17 15:45	88-75-5	
3&4-Methylphenol(m&p Cresol)	<33.1	ug/kg	110	33.1	1	08/03/17 10:50	08/04/17 15:45		
3,3'-Dichlorobenzidine	<49.0	ug/kg	163	49.0	1	08/03/17 10:50	08/04/17 15:45	91-94-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-23 2-2.5 **Lab ID: 40154221016** Collected: 07/31/17 11:00 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<30.7	ug/kg	102	30.7	1	08/03/17 10:50	08/04/17 15:45	99-09-2	
4,6-Dinitro-2-methylphenol	<55.7	ug/kg	186	55.7	1	08/03/17 10:50	08/04/17 15:45	534-52-1	
4-Bromophenylphenyl ether	<37.9	ug/kg	126	37.9	1	08/03/17 10:50	08/04/17 15:45	101-55-3	
4-Chloro-3-methylphenol	<56.2	ug/kg	187	56.2	1	08/03/17 10:50	08/04/17 15:45	59-50-7	
4-Chloroaniline	<29.7	ug/kg	99.0	29.7	1	08/03/17 10:50	08/04/17 15:45	106-47-8	
4-Chlorophenylphenyl ether	<33.7	ug/kg	112	33.7	1	08/03/17 10:50	08/04/17 15:45	7005-72-3	
4-Nitroaniline	<75.0	ug/kg	250	75.0	1	08/03/17 10:50	08/04/17 15:45	100-01-6	
4-Nitrophenol	<45.5	ug/kg	152	45.5	1	08/03/17 10:50	08/04/17 15:45	100-02-7	
Acenaphthene	<64.1	ug/kg	214	64.1	1	08/03/17 10:50	08/04/17 15:45	83-32-9	
Acenaphthylene	<64.5	ug/kg	215	64.5	1	08/03/17 10:50	08/04/17 15:45	208-96-8	
Anthracene	29.3J	ug/kg	96.3	28.9	1	08/03/17 10:50	08/04/17 15:45	120-12-7	
Benzo(a)anthracene	102	ug/kg	93.3	28.0	1	08/03/17 10:50	08/04/17 15:45	56-55-3	
Benzo(a)pyrene	112	ug/kg	90.7	27.2	1	08/03/17 10:50	08/04/17 15:45	50-32-8	
Benzo(b)fluoranthene	137	ug/kg	104	31.1	1	08/03/17 10:50	08/04/17 15:45	205-99-2	
Benzo(g,h,i)perylene	92.9J	ug/kg	158	47.3	1	08/03/17 10:50	08/04/17 15:45	191-24-2	
Benzo(k)fluoranthene	49.5J	ug/kg	144	43.3	1	08/03/17 10:50	08/04/17 15:45	207-08-9	
Butylbenzylphthalate	<29.0	ug/kg	96.6	29.0	1	08/03/17 10:50	08/04/17 15:45	85-68-7	
Carbazole	<28.3	ug/kg	94.3	28.3	1	08/03/17 10:50	08/04/17 15:45	86-74-8	
Chrysene	113	ug/kg	90.1	27.0	1	08/03/17 10:50	08/04/17 15:45	218-01-9	
Di-n-butylphthalate	<27.0	ug/kg	90.1	27.0	1	08/03/17 10:50	08/04/17 15:45	84-74-2	
Di-n-octylphthalate	<40.6	ug/kg	135	40.6	1	08/03/17 10:50	08/04/17 15:45	117-84-0	
Dibenz(a,h)anthracene	<49.1	ug/kg	164	49.1	1	08/03/17 10:50	08/04/17 15:45	53-70-3	
Dibenzofuran	<21.9	ug/kg	72.9	21.9	1	08/03/17 10:50	08/04/17 15:45	132-64-9	
Diethylphthalate	<30.0	ug/kg	99.9	30.0	1	08/03/17 10:50	08/04/17 15:45	84-66-2	
Dimethylphthalate	<23.5	ug/kg	78.4	23.5	1	08/03/17 10:50	08/04/17 15:45	131-11-3	
Fluoranthene	220	ug/kg	85.3	25.6	1	08/03/17 10:50	08/04/17 15:45	206-44-0	
Fluorene	<21.1	ug/kg	70.4	21.1	1	08/03/17 10:50	08/04/17 15:45	86-73-7	
Hexachloro-1,3-butadiene	<46.0	ug/kg	153	46.0	1	08/03/17 10:50	08/04/17 15:45	87-68-3	
Hexachlorobenzene	<30.4	ug/kg	101	30.4	1	08/03/17 10:50	08/04/17 15:45	118-74-1	
Hexachlorocyclopentadiene	<42.8	ug/kg	143	42.8	1	08/03/17 10:50	08/04/17 15:45	77-47-4	
Hexachloroethane	<28.9	ug/kg	96.4	28.9	1	08/03/17 10:50	08/04/17 15:45	67-72-1	
Indeno(1,2,3-cd)pyrene	83.3J	ug/kg	130	39.1	1	08/03/17 10:50	08/04/17 15:45	193-39-5	
Isophorone	<27.8	ug/kg	92.6	27.8	1	08/03/17 10:50	08/04/17 15:45	78-59-1	
N-Nitroso-di-n-propylamine	<28.7	ug/kg	95.6	28.7	1	08/03/17 10:50	08/04/17 15:45	621-64-7	
N-Nitrosodiphenylamine	<245	ug/kg	818	245	1	08/03/17 10:50	08/04/17 15:45	86-30-6	
Naphthalene	<63.2	ug/kg	211	63.2	1	08/03/17 10:50	08/04/17 15:45	91-20-3	
Nitrobenzene	<36.7	ug/kg	122	36.7	1	08/03/17 10:50	08/04/17 15:45	98-95-3	
Pentachlorophenol	<39.8	ug/kg	133	39.8	1	08/03/17 10:50	08/04/17 15:45	87-86-5	
Phenanthrene	106	ug/kg	77.3	23.2	1	08/03/17 10:50	08/04/17 15:45	85-01-8	
Phenol	<42.9	ug/kg	143	42.9	1	08/03/17 10:50	08/04/17 15:45	108-95-2	
Pyrene	180	ug/kg	134	40.1	1	08/03/17 10:50	08/04/17 15:45	129-00-0	
bis(2-Chloroethoxy)methane	<48.7	ug/kg	162	48.7	1	08/03/17 10:50	08/04/17 15:45	111-91-1	
bis(2-Chloroethyl) ether	<56.4	ug/kg	188	56.4	1	08/03/17 10:50	08/04/17 15:45	111-44-4	
bis(2-Ethylhexyl)phthalate	<30.1	ug/kg	100	30.1	1	08/03/17 10:50	08/04/17 15:45	117-81-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-23 2-2.5 **Lab ID: 40154221016** Collected: 07/31/17 11:00 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

Nitrobenzene-d5 (S)	72	%	13-114		1	08/03/17 10:50	08/04/17 15:45	4165-60-0	
2-Fluorobiphenyl (S)	73	%	18-127		1	08/03/17 10:50	08/04/17 15:45	321-60-8	
Terphenyl-d14 (S)	78	%	41-109		1	08/03/17 10:50	08/04/17 15:45	1718-51-0	
Phenol-d6 (S)	68	%	30-97		1	08/03/17 10:50	08/04/17 15:45	13127-88-3	
2-Fluorophenol (S)	68	%	16-103		1	08/03/17 10:50	08/04/17 15:45	367-12-4	
2,4,6-Tribromophenol (S)	90	%	13-143		1	08/03/17 10:50	08/04/17 15:45	118-79-6	

8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Benzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/03/17 07:45	08/03/17 22:19	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/03/17 07:45	08/03/17 22:19	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/03/17 07:45	08/03/17 22:19	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/03/17 07:45	08/03/17 22:19	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	108-20-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-23 2-2.5 **Lab ID: 40154221016** Collected: 07/31/17 11:00 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/03/17 07:45	08/03/17 22:19	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/03/17 07:45	08/03/17 22:19	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/03/17 07:45	08/03/17 22:19	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/03/17 07:45	08/03/17 22:19	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	106	%	68-130		1	08/03/17 07:45	08/03/17 22:19	1868-53-7	
Toluene-d8 (S)	111	%	68-149		1	08/03/17 07:45	08/03/17 22:19	2037-26-5	
4-Bromofluorobenzene (S)	92	%	58-141		1	08/03/17 07:45	08/03/17 22:19	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	7.8	%	0.10	0.10	1		08/02/17 12:30		
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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-22 4-5 **Lab ID: 40154221017** Collected: 07/31/17 11:45 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	7.0	mg/kg	1.4	0.48	1	08/02/17 14:07	08/04/17 10:52	7439-92-1	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<4.5	ug/kg	14.9	4.5	1	08/10/17 08:35	08/10/17 16:26	83-32-9	
Acenaphthylene	<3.8	ug/kg	12.7	3.8	1	08/10/17 08:35	08/10/17 16:26	208-96-8	
Anthracene	<6.6	ug/kg	22.0	6.6	1	08/10/17 08:35	08/10/17 16:26	120-12-7	
Benzo(a)anthracene	10.1J	ug/kg	12.3	3.7	1	08/10/17 08:35	08/10/17 16:26	56-55-3	
Benzo(a)pyrene	8.4J	ug/kg	9.7	2.9	1	08/10/17 08:35	08/10/17 16:26	50-32-8	
Benzo(b)fluoranthene	10.8J	ug/kg	10.9	3.3	1	08/10/17 08:35	08/10/17 16:26	205-99-2	
Benzo(g,h,i)perylene	6.0J	ug/kg	7.8	2.4	1	08/10/17 08:35	08/10/17 16:26	191-24-2	
Benzo(k)fluoranthene	4.4J	ug/kg	9.7	2.9	1	08/10/17 08:35	08/10/17 16:26	207-08-9	
Chrysene	9.0J	ug/kg	13.0	3.9	1	08/10/17 08:35	08/10/17 16:26	218-01-9	
Dibenz(a,h)anthracene	<2.6	ug/kg	8.6	2.6	1	08/10/17 08:35	08/10/17 16:26	53-70-3	
Fluoranthene	16.4J	ug/kg	20.2	6.0	1	08/10/17 08:35	08/10/17 16:26	206-44-0	
Fluorene	<4.8	ug/kg	16.0	4.8	1	08/10/17 08:35	08/10/17 16:26	86-73-7	
Indeno(1,2,3-cd)pyrene	5.0J	ug/kg	8.5	2.5	1	08/10/17 08:35	08/10/17 16:26	193-39-5	
1-Methylnaphthalene	<4.7	ug/kg	15.5	4.7	1	08/10/17 08:35	08/10/17 16:26	90-12-0	
2-Methylnaphthalene	<5.8	ug/kg	19.4	5.8	1	08/10/17 08:35	08/10/17 16:26	91-57-6	
Naphthalene	<9.8	ug/kg	32.6	9.8	1	08/10/17 08:35	08/10/17 16:26	91-20-3	
Phenanthrene	<13.5	ug/kg	45.0	13.5	1	08/10/17 08:35	08/10/17 16:26	85-01-8	
Pyrene	12.7J	ug/kg	17.4	5.2	1	08/10/17 08:35	08/10/17 16:26	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	51	%	19-96		1	08/10/17 08:35	08/10/17 16:26	321-60-8	
Terphenyl-d14 (S)	54	%	31-98		1	08/10/17 08:35	08/10/17 16:26	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/04/17 08:15	08/07/17 07:28	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/04/17 08:15	08/07/17 07:28	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/04/17 08:15	08/07/17 07:28	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/04/17 08:15	08/07/17 07:28	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-22 4-5 Lab ID: 40154221017 Collected: 07/31/17 11:45 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/04/17 08:15	08/07/17 07:28	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/04/17 08:15	08/07/17 07:28	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/04/17 08:15	08/07/17 07:28	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:28	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	130	%	68-130		1	08/04/17 08:15	08/07/17 07:28	1868-53-7	
Toluene-d8 (S)	129	%	68-149		1	08/04/17 08:15	08/07/17 07:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-22 4-5 **Lab ID: 40154221017** Collected: 07/31/17 11:45 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	113	%	58-141		1	08/04/17 08:15	08/07/17 07:28	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	13.6	%	0.10	0.10	1		08/02/17 12:31		

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-3 8-10 **Lab ID: 40154221018** Collected: 07/31/17 11:50 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	12.1	mg/kg	1.3	0.44	1	08/02/17 14:07	08/04/17 10:54	7439-92-1	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<87.1	ug/kg	290	87.1	20	08/10/17 08:35	08/11/17 14:55	83-32-9	M6
Acenaphthylene	<74.0	ug/kg	247	74.0	20	08/10/17 08:35	08/11/17 14:55	208-96-8	
Anthracene	<128	ug/kg	427	128	20	08/10/17 08:35	08/11/17 14:55	120-12-7	
Benzo(a)anthracene	<71.2	ug/kg	238	71.2	20	08/10/17 08:35	08/11/17 14:55	56-55-3	
Benzo(a)pyrene	<56.4	ug/kg	188	56.4	20	08/10/17 08:35	08/11/17 14:55	50-32-8	
Benzo(b)fluoranthene	<63.4	ug/kg	211	63.4	20	08/10/17 08:35	08/11/17 14:55	205-99-2	
Benzo(g,h,i)perylene	<45.6	ug/kg	152	45.6	20	08/10/17 08:35	08/11/17 14:55	191-24-2	
Benzo(k)fluoranthene	<56.3	ug/kg	188	56.3	20	08/10/17 08:35	08/11/17 14:55	207-08-9	
Chrysene	<75.7	ug/kg	251	75.7	20	08/10/17 08:35	08/11/17 14:55	218-01-9	
Dibenz(a,h)anthracene	<50.2	ug/kg	167	50.2	20	08/10/17 08:35	08/11/17 14:55	53-70-3	M6
Fluoranthene	<117	ug/kg	391	117	20	08/10/17 08:35	08/11/17 14:55	206-44-0	
Fluorene	188J	ug/kg	310	92.9	20	08/10/17 08:35	08/11/17 14:55	86-73-7	M6
Indeno(1,2,3-cd)pyrene	<49.4	ug/kg	165	49.4	20	08/10/17 08:35	08/11/17 14:55	193-39-5	
1-Methylnaphthalene	2550	ug/kg	301	90.3	20	08/10/17 08:35	08/11/17 14:55	90-12-0	M6
2-Methylnaphthalene	7630	ug/kg	375	112	20	08/10/17 08:35	08/11/17 14:55	91-57-6	M6
Naphthalene	6770	ug/kg	631	189	20	08/10/17 08:35	08/11/17 14:55	91-20-3	M6
Phenanthrene	<262	ug/kg	871	262	20	08/10/17 08:35	08/11/17 14:55	85-01-8	
Pyrene	<101	ug/kg	337	101	20	08/10/17 08:35	08/11/17 14:55	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	71	%	19-96		20	08/10/17 08:35	08/11/17 14:55	321-60-8	
Terphenyl-d14 (S)	52	%	31-98		20	08/10/17 08:35	08/11/17 14:55	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	71-43-2	W
Bromobenzene	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	108-86-1	W
Bromochloromethane	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	74-97-5	W
Bromodichloromethane	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	75-27-4	W
Bromoform	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	75-25-2	W
Bromomethane	<350	ug/kg	1250	350	5	08/04/17 08:15	08/05/17 00:20	74-83-9	W
n-Butylbenzene	4160	ug/kg	337	141	5	08/04/17 08:15	08/05/17 00:20	104-51-8	
sec-Butylbenzene	713	ug/kg	337	141	5	08/04/17 08:15	08/05/17 00:20	135-98-8	
tert-Butylbenzene	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	98-06-6	W
Carbon tetrachloride	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	56-23-5	W
Chlorobenzene	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	108-90-7	W
Chloroethane	<335	ug/kg	1250	335	5	08/04/17 08:15	08/05/17 00:20	75-00-3	W
Chloroform	<232	ug/kg	1250	232	5	08/04/17 08:15	08/05/17 00:20	67-66-3	W
Chloromethane	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	74-87-3	W
2-Chlorotoluene	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	95-49-8	W
4-Chlorotoluene	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	106-43-4	W
1,2-Dibromo-3-chloropropane	<456	ug/kg	1250	456	5	08/04/17 08:15	08/05/17 00:20	96-12-8	W
Dibromochloromethane	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	124-48-1	W
1,2-Dibromoethane (EDB)	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-3 8-10 **Lab ID: 40154221018** Collected: 07/31/17 11:50 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	74-95-3	W
1,2-Dichlorobenzene	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	95-50-1	W
1,3-Dichlorobenzene	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	541-73-1	W
1,4-Dichlorobenzene	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	106-46-7	W
Dichlorodifluoromethane	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	75-71-8	W
1,1-Dichloroethane	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	75-34-3	W
1,2-Dichloroethane	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	107-06-2	W
1,1-Dichloroethene	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	75-35-4	W
cis-1,2-Dichloroethene	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	156-59-2	W
trans-1,2-Dichloroethene	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	156-60-5	W
1,2-Dichloropropane	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	78-87-5	W
1,3-Dichloropropane	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	142-28-9	W
2,2-Dichloropropane	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	594-20-7	W
1,1-Dichloropropene	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	563-58-6	W
cis-1,3-Dichloropropene	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	10061-01-5	W
trans-1,3-Dichloropropene	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	10061-02-6	W
Diisopropyl ether	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	108-20-3	W
Ethylbenzene	2170	ug/kg	337	141	5	08/04/17 08:15	08/05/17 00:20	100-41-4	
Hexachloro-1,3-butadiene	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	87-68-3	W
Isopropylbenzene (Cumene)	933	ug/kg	337	141	5	08/04/17 08:15	08/05/17 00:20	98-82-8	
p-Isopropyltoluene	798	ug/kg	337	141	5	08/04/17 08:15	08/05/17 00:20	99-87-6	
Methylene Chloride	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	75-09-2	W
Methyl-tert-butyl ether	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	1634-04-4	W
Naphthalene	5870	ug/kg	1410	225	5	08/04/17 08:15	08/05/17 00:20	91-20-3	
n-Propylbenzene	3530	ug/kg	337	141	5	08/04/17 08:15	08/05/17 00:20	103-65-1	
Styrene	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	100-42-5	W
1,1,1,2-Tetrachloroethane	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	630-20-6	W
1,1,2,2-Tetrachloroethane	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	79-34-5	W
Tetrachloroethene	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	127-18-4	W
Toluene	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	108-88-3	W
1,2,3-Trichlorobenzene	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	87-61-6	W
1,2,4-Trichlorobenzene	<238	ug/kg	1250	238	5	08/04/17 08:15	08/05/17 00:20	120-82-1	W
1,1,1-Trichloroethane	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	71-55-6	W
1,1,2-Trichloroethane	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	79-00-5	W
Trichloroethene	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	79-01-6	W
Trichlorofluoromethane	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	75-69-4	W
1,2,3-Trichloropropane	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	96-18-4	W
1,2,4-Trimethylbenzene	14600	ug/kg	337	141	5	08/04/17 08:15	08/05/17 00:20	95-63-6	
1,3,5-Trimethylbenzene	5450	ug/kg	337	141	5	08/04/17 08:15	08/05/17 00:20	108-67-8	
Vinyl chloride	<125	ug/kg	300	125	5	08/04/17 08:15	08/05/17 00:20	75-01-4	W
m&p-Xylene	9500	ug/kg	675	281	5	08/04/17 08:15	08/05/17 00:20	179601-23-1	
o-Xylene	1430	ug/kg	337	141	5	08/04/17 08:15	08/05/17 00:20	95-47-6	
Surrogates									
Dibromofluoromethane (S)	114	%	68-130		5	08/04/17 08:15	08/05/17 00:20	1868-53-7	
Toluene-d8 (S)	102	%	68-149		5	08/04/17 08:15	08/05/17 00:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-3 8-10 **Lab ID: 40154221018** Collected: 07/31/17 11:50 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	103	%	58-141		5	08/04/17 08:15	08/05/17 00:20	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	11.1	%	0.10	0.10	1		08/02/17 12:31		

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-1 1-1.5 **Lab ID: 40154221019** Collected: 07/31/17 12:50 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	9.2	mg/kg	1.3	0.42	1	08/02/17 14:07	08/04/17 10:57	7439-92-1	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<4.3	ug/kg	14.2	4.3	1	08/10/17 08:35	08/10/17 16:43	83-32-9	
Acenaphthylene	<3.6	ug/kg	12.1	3.6	1	08/10/17 08:35	08/10/17 16:43	208-96-8	
Anthracene	<6.3	ug/kg	20.8	6.3	1	08/10/17 08:35	08/10/17 16:43	120-12-7	
Benzo(a)anthracene	6.3J	ug/kg	11.6	3.5	1	08/10/17 08:35	08/10/17 16:43	56-55-3	
Benzo(a)pyrene	4.9J	ug/kg	9.2	2.8	1	08/10/17 08:35	08/10/17 16:43	50-32-8	
Benzo(b)fluoranthene	6.4J	ug/kg	10.3	3.1	1	08/10/17 08:35	08/10/17 16:43	205-99-2	
Benzo(g,h,i)perylene	3.8J	ug/kg	7.4	2.2	1	08/10/17 08:35	08/10/17 16:43	191-24-2	
Benzo(k)fluoranthene	3.3J	ug/kg	9.2	2.8	1	08/10/17 08:35	08/10/17 16:43	207-08-9	
Chrysene	5.2J	ug/kg	12.3	3.7	1	08/10/17 08:35	08/10/17 16:43	218-01-9	
Dibenz(a,h)anthracene	<2.5	ug/kg	8.2	2.5	1	08/10/17 08:35	08/10/17 16:43	53-70-3	
Fluoranthene	8.1J	ug/kg	19.1	5.7	1	08/10/17 08:35	08/10/17 16:43	206-44-0	
Fluorene	<4.5	ug/kg	15.1	4.5	1	08/10/17 08:35	08/10/17 16:43	86-73-7	
Indeno(1,2,3-cd)pyrene	3.0J	ug/kg	8.0	2.4	1	08/10/17 08:35	08/10/17 16:43	193-39-5	
1-Methylnaphthalene	<4.4	ug/kg	14.7	4.4	1	08/10/17 08:35	08/10/17 16:43	90-12-0	
2-Methylnaphthalene	<5.5	ug/kg	18.3	5.5	1	08/10/17 08:35	08/10/17 16:43	91-57-6	
Naphthalene	<9.2	ug/kg	30.8	9.2	1	08/10/17 08:35	08/10/17 16:43	91-20-3	
Phenanthrene	<12.8	ug/kg	42.6	12.8	1	08/10/17 08:35	08/10/17 16:43	85-01-8	
Pyrene	6.9J	ug/kg	16.5	5.0	1	08/10/17 08:35	08/10/17 16:43	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	60	%	19-96		1	08/10/17 08:35	08/10/17 16:43	321-60-8	
Terphenyl-d14 (S)	61	%	31-98		1	08/10/17 08:35	08/10/17 16:43	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/04/17 08:15	08/07/17 07:52	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/04/17 08:15	08/07/17 07:52	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/04/17 08:15	08/07/17 07:52	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/04/17 08:15	08/07/17 07:52	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT
Pace Project No.: 40154221

Sample: SB-1 1-1.5 **Lab ID: 40154221019** Collected: 07/31/17 12:50 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/04/17 08:15	08/07/17 07:52	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/04/17 08:15	08/07/17 07:52	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/04/17 08:15	08/07/17 07:52	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 07:52	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	113	%	68-130		1	08/04/17 08:15	08/07/17 07:52	1868-53-7	
Toluene-d8 (S)	111	%	68-149		1	08/04/17 08:15	08/07/17 07:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-1 1-1.5 **Lab ID: 40154221019** Collected: 07/31/17 12:50 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	98	%	58-141		1	08/04/17 08:15	08/07/17 07:52	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	8.7	%	0.10	0.10	1		08/02/17 12:32		

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-20 3-4 **Lab ID: 40154221020** Collected: 07/31/17 12:15 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<28.1	ug/kg	56.2	28.1	1	08/07/17 13:29	08/08/17 07:47	12674-11-2	
PCB-1221 (Aroclor 1221)	<28.1	ug/kg	56.2	28.1	1	08/07/17 13:29	08/08/17 07:47	11104-28-2	
PCB-1232 (Aroclor 1232)	<28.1	ug/kg	56.2	28.1	1	08/07/17 13:29	08/08/17 07:47	11141-16-5	
PCB-1242 (Aroclor 1242)	<28.1	ug/kg	56.2	28.1	1	08/07/17 13:29	08/08/17 07:47	53469-21-9	
PCB-1248 (Aroclor 1248)	<28.1	ug/kg	56.2	28.1	1	08/07/17 13:29	08/08/17 07:47	12672-29-6	
PCB-1254 (Aroclor 1254)	<28.1	ug/kg	56.2	28.1	1	08/07/17 13:29	08/08/17 07:47	11097-69-1	
PCB-1260 (Aroclor 1260)	<28.1	ug/kg	56.2	28.1	1	08/07/17 13:29	08/08/17 07:47	11096-82-5	
PCB, Total	<28.1	ug/kg	56.2	28.1	1	08/07/17 13:29	08/08/17 07:47	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	69	%	50-102		1	08/07/17 13:29	08/08/17 07:47	877-09-8	
Decachlorobiphenyl (S)	71	%	53-105		1	08/07/17 13:29	08/08/17 07:47	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	6.8	mg/kg	5.1	1.1	1	08/02/17 14:07	08/04/17 10:59	7440-38-2	
Barium	35.9	mg/kg	0.51	0.15	1	08/02/17 14:07	08/04/17 10:59	7440-39-3	
Cadmium	0.15J	mg/kg	0.51	0.14	1	08/02/17 14:07	08/04/17 10:59	7440-43-9	
Chromium	12.3	mg/kg	1.0	0.28	1	08/02/17 14:07	08/04/17 10:59	7440-47-3	
Lead	6.6	mg/kg	1.3	0.44	1	08/02/17 14:07	08/04/17 10:59	7439-92-1	
Selenium	<1.1	mg/kg	5.1	1.1	1	08/02/17 14:07	08/04/17 10:59	7782-49-2	
Silver	<0.35	mg/kg	1.0	0.35	1	08/02/17 14:07	08/04/17 10:59	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	<0.012	mg/kg	0.040	0.012	1	08/14/17 07:10	08/15/17 11:41	7439-97-6	
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<21.2	ug/kg	70.8	21.2	1	08/03/17 10:50	08/04/17 16:48	120-82-1	
1,2-Dichlorobenzene	<59.1	ug/kg	197	59.1	1	08/03/17 10:50	08/04/17 16:48	95-50-1	
1,3-Dichlorobenzene	<26.0	ug/kg	86.7	26.0	1	08/03/17 10:50	08/04/17 16:48	541-73-1	
1,4-Dichlorobenzene	<26.2	ug/kg	87.2	26.2	1	08/03/17 10:50	08/04/17 16:48	106-46-7	
2,2'-Oxybis(1-chloropropane)	<48.4	ug/kg	161	48.4	1	08/03/17 10:50	08/04/17 16:48	108-60-1	
2,4,5-Trichlorophenol	<33.2	ug/kg	111	33.2	1	08/03/17 10:50	08/04/17 16:48	95-95-4	
2,4,6-Trichlorophenol	<28.6	ug/kg	95.4	28.6	1	08/03/17 10:50	08/04/17 16:48	88-06-2	
2,4-Dichlorophenol	<50.2	ug/kg	167	50.2	1	08/03/17 10:50	08/04/17 16:48	120-83-2	
2,4-Dimethylphenol	<37.1	ug/kg	124	37.1	1	08/03/17 10:50	08/04/17 16:48	105-67-9	
2,4-Dinitrophenol	<57.2	ug/kg	191	57.2	1	08/03/17 10:50	08/04/17 16:48	51-28-5	
2,4-Dinitrotoluene	<26.9	ug/kg	89.5	26.9	1	08/03/17 10:50	08/04/17 16:48	121-14-2	
2,6-Dinitrotoluene	<35.7	ug/kg	119	35.7	1	08/03/17 10:50	08/04/17 16:48	606-20-2	
2-Chloronaphthalene	<24.1	ug/kg	80.4	24.1	1	08/03/17 10:50	08/04/17 16:48	91-58-7	
2-Chlorophenol	<46.9	ug/kg	156	46.9	1	08/03/17 10:50	08/04/17 16:48	95-57-8	
2-Methylnaphthalene	<48.8	ug/kg	163	48.8	1	08/03/17 10:50	08/04/17 16:48	91-57-6	
2-Methylphenol(o-Cresol)	<34.1	ug/kg	114	34.1	1	08/03/17 10:50	08/04/17 16:48	95-48-7	
2-Nitroaniline	<53.5	ug/kg	178	53.5	1	08/03/17 10:50	08/04/17 16:48	88-74-4	
2-Nitrophenol	<59.3	ug/kg	198	59.3	1	08/03/17 10:50	08/04/17 16:48	88-75-5	
3&4-Methylphenol(m&p Cresol)	<34.4	ug/kg	115	34.4	1	08/03/17 10:50	08/04/17 16:48		
3,3'-Dichlorobenzidine	<51.0	ug/kg	170	51.0	1	08/03/17 10:50	08/04/17 16:48	91-94-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-20 3-4 **Lab ID: 40154221020** Collected: 07/31/17 12:15 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<31.9	ug/kg	106	31.9	1	08/03/17 10:50	08/04/17 16:48	99-09-2	
4,6-Dinitro-2-methylphenol	<57.9	ug/kg	193	57.9	1	08/03/17 10:50	08/04/17 16:48	534-52-1	
4-Bromophenylphenyl ether	<39.3	ug/kg	131	39.3	1	08/03/17 10:50	08/04/17 16:48	101-55-3	
4-Chloro-3-methylphenol	<58.4	ug/kg	195	58.4	1	08/03/17 10:50	08/04/17 16:48	59-50-7	
4-Chloroaniline	<30.9	ug/kg	103	30.9	1	08/03/17 10:50	08/04/17 16:48	106-47-8	
4-Chlorophenylphenyl ether	<35.0	ug/kg	117	35.0	1	08/03/17 10:50	08/04/17 16:48	7005-72-3	
4-Nitroaniline	<78.0	ug/kg	260	78.0	1	08/03/17 10:50	08/04/17 16:48	100-01-6	
4-Nitrophenol	<47.3	ug/kg	158	47.3	1	08/03/17 10:50	08/04/17 16:48	100-02-7	
Acenaphthene	<66.6	ug/kg	222	66.6	1	08/03/17 10:50	08/04/17 16:48	83-32-9	
Acenaphthylene	<67.0	ug/kg	223	67.0	1	08/03/17 10:50	08/04/17 16:48	208-96-8	
Anthracene	<30.0	ug/kg	100	30.0	1	08/03/17 10:50	08/04/17 16:48	120-12-7	
Benzo(a)anthracene	<29.1	ug/kg	97.0	29.1	1	08/03/17 10:50	08/04/17 16:48	56-55-3	
Benzo(a)pyrene	74.9J	ug/kg	94.2	28.3	1	08/03/17 10:50	08/04/17 16:48	50-32-8	
Benzo(b)fluoranthene	71.6J	ug/kg	108	32.3	1	08/03/17 10:50	08/04/17 16:48	205-99-2	
Benzo(g,h,i)perylene	135J	ug/kg	164	49.1	1	08/03/17 10:50	08/04/17 16:48	191-24-2	
Benzo(k)fluoranthene	<45.0	ug/kg	150	45.0	1	08/03/17 10:50	08/04/17 16:48	207-08-9	
Butylbenzylphthalate	<30.1	ug/kg	100	30.1	1	08/03/17 10:50	08/04/17 16:48	85-68-7	
Carbazole	<29.4	ug/kg	98.0	29.4	1	08/03/17 10:50	08/04/17 16:48	86-74-8	
Chrysene	28.6J	ug/kg	93.6	28.1	1	08/03/17 10:50	08/04/17 16:48	218-01-9	
Di-n-butylphthalate	<28.1	ug/kg	93.6	28.1	1	08/03/17 10:50	08/04/17 16:48	84-74-2	
Di-n-octylphthalate	<42.2	ug/kg	141	42.2	1	08/03/17 10:50	08/04/17 16:48	117-84-0	
Dibenz(a,h)anthracene	<51.0	ug/kg	170	51.0	1	08/03/17 10:50	08/04/17 16:48	53-70-3	
Dibenzofuran	<22.7	ug/kg	75.8	22.7	1	08/03/17 10:50	08/04/17 16:48	132-64-9	
Diethylphthalate	<31.1	ug/kg	104	31.1	1	08/03/17 10:50	08/04/17 16:48	84-66-2	
Dimethylphthalate	<24.4	ug/kg	81.4	24.4	1	08/03/17 10:50	08/04/17 16:48	131-11-3	
Fluoranthene	<26.6	ug/kg	88.6	26.6	1	08/03/17 10:50	08/04/17 16:48	206-44-0	
Fluorene	<22.0	ug/kg	73.2	22.0	1	08/03/17 10:50	08/04/17 16:48	86-73-7	
Hexachloro-1,3-butadiene	<47.8	ug/kg	159	47.8	1	08/03/17 10:50	08/04/17 16:48	87-68-3	
Hexachlorobenzene	<31.6	ug/kg	105	31.6	1	08/03/17 10:50	08/04/17 16:48	118-74-1	
Hexachlorocyclopentadiene	<44.4	ug/kg	148	44.4	1	08/03/17 10:50	08/04/17 16:48	77-47-4	
Hexachloroethane	<30.1	ug/kg	100	30.1	1	08/03/17 10:50	08/04/17 16:48	67-72-1	
Indeno(1,2,3-cd)pyrene	109J	ug/kg	135	40.6	1	08/03/17 10:50	08/04/17 16:48	193-39-5	
Isophorone	<28.9	ug/kg	96.2	28.9	1	08/03/17 10:50	08/04/17 16:48	78-59-1	
N-Nitroso-di-n-propylamine	<29.8	ug/kg	99.3	29.8	1	08/03/17 10:50	08/04/17 16:48	621-64-7	
N-Nitrosodiphenylamine	<255	ug/kg	849	255	1	08/03/17 10:50	08/04/17 16:48	86-30-6	
Naphthalene	<65.7	ug/kg	219	65.7	1	08/03/17 10:50	08/04/17 16:48	91-20-3	
Nitrobenzene	<38.1	ug/kg	127	38.1	1	08/03/17 10:50	08/04/17 16:48	98-95-3	
Pentachlorophenol	<41.4	ug/kg	138	41.4	1	08/03/17 10:50	08/04/17 16:48	87-86-5	
Phenanthrene	<24.1	ug/kg	80.3	24.1	1	08/03/17 10:50	08/04/17 16:48	85-01-8	
Phenol	<44.6	ug/kg	149	44.6	1	08/03/17 10:50	08/04/17 16:48	108-95-2	
Pyrene	<41.6	ug/kg	139	41.6	1	08/03/17 10:50	08/04/17 16:48	129-00-0	
bis(2-Chloroethoxy)methane	<50.6	ug/kg	169	50.6	1	08/03/17 10:50	08/04/17 16:48	111-91-1	
bis(2-Chloroethyl) ether	<58.6	ug/kg	195	58.6	1	08/03/17 10:50	08/04/17 16:48	111-44-4	
bis(2-Ethylhexyl)phthalate	<31.2	ug/kg	104	31.2	1	08/03/17 10:50	08/04/17 16:48	117-81-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-20 3-4 **Lab ID: 40154221020** Collected: 07/31/17 12:15 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

Nitrobenzene-d5 (S)	69	%	13-114		1	08/03/17 10:50	08/04/17 16:48	4165-60-0	
2-Fluorobiphenyl (S)	61	%	18-127		1	08/03/17 10:50	08/04/17 16:48	321-60-8	
Terphenyl-d14 (S)	70	%	41-109		1	08/03/17 10:50	08/04/17 16:48	1718-51-0	
Phenol-d6 (S)	55	%	30-97		1	08/03/17 10:50	08/04/17 16:48	13127-88-3	
2-Fluorophenol (S)	58	%	16-103		1	08/03/17 10:50	08/04/17 16:48	367-12-4	
2,4,6-Tribromophenol (S)	68	%	13-143		1	08/03/17 10:50	08/04/17 16:48	118-79-6	

8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Benzene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	71-43-2	W
Bromobenzene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	108-86-1	W
Bromochloromethane	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	74-97-5	W
Bromodichloromethane	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	75-27-4	W
Bromoform	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	75-25-2	W
Bromomethane	<71.3	ug/kg	255	71.3	1	08/04/17 08:15	08/07/17 08:15	74-83-9	W
n-Butylbenzene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	104-51-8	W
sec-Butylbenzene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	135-98-8	W
tert-Butylbenzene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	98-06-6	W
Carbon tetrachloride	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	56-23-5	W
Chlorobenzene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	108-90-7	W
Chloroethane	<68.4	ug/kg	255	68.4	1	08/04/17 08:15	08/07/17 08:15	75-00-3	W
Chloroform	<47.4	ug/kg	255	47.4	1	08/04/17 08:15	08/07/17 08:15	67-66-3	W
Chloromethane	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	74-87-3	W
2-Chlorotoluene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	95-49-8	W
4-Chlorotoluene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	106-43-4	W
1,2-Dibromo-3-chloropropane	<93.1	ug/kg	255	93.1	1	08/04/17 08:15	08/07/17 08:15	96-12-8	W
Dibromochloromethane	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	124-48-1	W
1,2-Dibromoethane (EDB)	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	106-93-4	W
Dibromomethane	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	74-95-3	W
1,2-Dichlorobenzene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	95-50-1	W
1,3-Dichlorobenzene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	541-73-1	W
1,4-Dichlorobenzene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	106-46-7	W
Dichlorodifluoromethane	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	75-71-8	W
1,1-Dichloroethane	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	75-34-3	W
1,2-Dichloroethane	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	107-06-2	W
1,1-Dichloroethene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	75-35-4	W
cis-1,2-Dichloroethene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	156-59-2	W
trans-1,2-Dichloroethene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	156-60-5	W
1,2-Dichloropropane	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	78-87-5	W
1,3-Dichloropropane	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	142-28-9	W
2,2-Dichloropropane	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	594-20-7	W
1,1-Dichloropropene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	563-58-6	W
cis-1,3-Dichloropropene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	10061-01-5	W
trans-1,3-Dichloropropene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	10061-02-6	W
Diisopropyl ether	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	108-20-3	W

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: SB-20 3-4 **Lab ID: 40154221020** Collected: 07/31/17 12:15 Received: 08/01/17 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Ethylbenzene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	100-41-4	W
Hexachloro-1,3-butadiene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	87-68-3	W
Isopropylbenzene (Cumene)	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	98-82-8	W
p-Isopropyltoluene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	99-87-6	W
Methylene Chloride	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	75-09-2	W
Methyl-tert-butyl ether	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	1634-04-4	W
Naphthalene	<40.9	ug/kg	255	40.9	1	08/04/17 08:15	08/07/17 08:15	91-20-3	W
n-Propylbenzene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	103-65-1	W
Styrene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	79-34-5	W
Tetrachloroethene	29.9J	ug/kg	68.8	28.7	1	08/04/17 08:15	08/07/17 08:15	127-18-4	
Toluene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	108-88-3	W
1,2,3-Trichlorobenzene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	87-61-6	W
1,2,4-Trichlorobenzene	<48.5	ug/kg	255	48.5	1	08/04/17 08:15	08/07/17 08:15	120-82-1	W
1,1,1-Trichloroethane	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	71-55-6	W
1,1,2-Trichloroethane	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	79-00-5	W
Trichloroethene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	79-01-6	W
Trichlorofluoromethane	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	75-69-4	W
1,2,3-Trichloropropane	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	96-18-4	W
1,2,4-Trimethylbenzene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	95-63-6	W
1,3,5-Trimethylbenzene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	108-67-8	W
Vinyl chloride	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	75-01-4	W
m&p-Xylene	<51.0	ug/kg	122	51.0	1	08/04/17 08:15	08/07/17 08:15	179601-23-1	W
o-Xylene	<25.5	ug/kg	61.2	25.5	1	08/04/17 08:15	08/07/17 08:15	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	115	%	68-130		1	08/04/17 08:15	08/07/17 08:15	1868-53-7	
Toluene-d8 (S)	116	%	68-149		1	08/04/17 08:15	08/07/17 08:15	2037-26-5	
4-Bromofluorobenzene (S)	98	%	58-141		1	08/04/17 08:15	08/07/17 08:15	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	11.0	%	0.10	0.10	1		08/02/17 12:32		

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: TRIP BLANK **Lab ID: 40154221021** Collected: 07/31/17 00:00 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/03/17 13:55	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/03/17 13:55	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/03/17 13:55	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/03/17 13:55	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/03/17 13:55	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/03/17 13:55	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/03/17 13:55	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/03/17 13:55	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/03/17 13:55	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/03/17 13:55	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/03/17 13:55	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/03/17 13:55	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/03/17 13:55	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/03/17 13:55	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/03/17 13:55	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/03/17 13:55	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/03/17 13:55	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/03/17 13:55	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/03/17 13:55	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/03/17 13:55	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/03/17 13:55	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/03/17 13:55	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/03/17 13:55	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/03/17 13:55	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/03/17 13:55	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/03/17 13:55	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/03/17 13:55	630-20-6	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154221

Sample: TRIP BLANK **Lab ID: 40154221021** Collected: 07/31/17 00:00 Received: 08/01/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/03/17 13:55	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/03/17 13:55	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/03/17 13:55	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/03/17 13:55	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/03/17 13:55	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/03/17 13:55	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/03/17 13:55	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/03/17 13:55	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/03/17 13:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		08/03/17 13:55	460-00-4	
Dibromofluoromethane (S)	108	%	67-130		1		08/03/17 13:55	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		08/03/17 13:55	2037-26-5	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

QC Batch: 263725 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 40154221001, 40154221002, 40154221007, 40154221008

METHOD BLANK: 1552331 Matrix: Water
Associated Lab Samples: 40154221001, 40154221002, 40154221007, 40154221008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.13	0.42	08/08/17 07:53	

LABORATORY CONTROL SAMPLE: 1552332

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.9	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1552333 1552334

Parameter	Units	40154213001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.13	5	5	4.6	4.7	92	93	85-115	1	20	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

QC Batch: 264416 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 40154221010, 40154221011, 40154221014, 40154221016, 40154221020

METHOD BLANK: 1556304 Matrix: Solid
Associated Lab Samples: 40154221010, 40154221011, 40154221014, 40154221016, 40154221020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.011	0.037	08/15/17 11:13	

LABORATORY CONTROL SAMPLE: 1556305

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.83	0.74	89	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1556306 1556307

Parameter	Units	40154621001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.016J	.89	.9	0.79	0.84	87	92	85-115	6	20	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

QC Batch: 263344 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 40154221010, 40154221011, 40154221012, 40154221013, 40154221014, 40154221015, 40154221016, 40154221017, 40154221018, 40154221019, 40154221020

METHOD BLANK: 1549600 Matrix: Solid
Associated Lab Samples: 40154221010, 40154221011, 40154221012, 40154221013, 40154221014, 40154221015, 40154221016, 40154221017, 40154221018, 40154221019, 40154221020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<1.0	5.0	08/04/17 08:12	
Barium	mg/kg	<0.15	0.50	08/04/17 08:12	
Cadmium	mg/kg	<0.13	0.50	08/04/17 08:12	
Chromium	mg/kg	<0.28	1.0	08/04/17 08:12	
Lead	mg/kg	<0.43	1.3	08/04/17 08:12	
Selenium	mg/kg	<1.1	5.0	08/04/17 08:12	
Silver	mg/kg	<0.34	1.0	08/04/17 08:12	

LABORATORY CONTROL SAMPLE: 1549601

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	49.2	98	80-120	
Barium	mg/kg	50	51.2	102	80-120	
Cadmium	mg/kg	50	51.4	103	80-120	
Chromium	mg/kg	50	51.8	104	80-120	
Lead	mg/kg	50	51.3	103	80-120	
Selenium	mg/kg	50	51.9	104	80-120	
Silver	mg/kg	25	26.0	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1549602 1549603

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40154104003 Result	Spike Conc.	Spike Conc.	MS Result						
Arsenic	mg/kg	2.8J	98.3	98.9	93.5	97.0	92	95	75-125	4	20
Barium	mg/kg	225	98.3	98.9	275	269	50	45	75-125	2	20 M0
Cadmium	mg/kg	0.47J	98.3	98.9	96.8	98.2	98	99	75-125	1	20
Chromium	mg/kg	25.8	98.3	98.9	128	132	104	107	75-125	3	20
Lead	mg/kg	20.3	98.3	98.9	111	110	92	91	75-125	1	20
Selenium	mg/kg	<2.2	98.3	98.9	96.4	98.1	98	99	75-125	2	20
Silver	mg/kg	<0.68	49.1	49.5	48.9	49.1	99	99	75-125	0	20

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

QC Batch: 263496 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 40154221001, 40154221002, 40154221003, 40154221004, 40154221005, 40154221006, 40154221007, 40154221008, 40154221009

METHOD BLANK: 1550637 Matrix: Water
Associated Lab Samples: 40154221001, 40154221002, 40154221003, 40154221004, 40154221005, 40154221006, 40154221007, 40154221008, 40154221009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	<8.3	25.0	08/04/17 11:08	
Barium	ug/L	<1.5	5.0	08/04/17 11:08	
Cadmium	ug/L	<1.3	5.0	08/04/17 11:08	
Chromium	ug/L	<2.5	10.0	08/04/17 11:08	
Lead	ug/L	<4.3	13.0	08/04/17 11:08	
Selenium	ug/L	<16.6	50.0	08/04/17 11:08	
Silver	ug/L	<3.3	10.0	08/04/17 11:08	

LABORATORY CONTROL SAMPLE: 1550638

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	490	98	80-120	
Barium	ug/L	500	511	102	80-120	
Cadmium	ug/L	500	509	102	80-120	
Chromium	ug/L	500	512	102	80-120	
Lead	ug/L	500	505	101	80-120	
Selenium	ug/L	500	510	102	80-120	
Silver	ug/L	250	253	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1550639 1550640

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40154221001 Result	Spike Conc.	Spike Conc.	MS Result						
Arsenic	ug/L	29.6	500	500	514	517	97	98	75-125	1	20
Barium	ug/L	213	500	500	708	724	99	102	75-125	2	20
Cadmium	ug/L	<1.3	500	500	505	508	101	101	75-125	1	20
Chromium	ug/L	19.5	500	500	512	519	98	100	75-125	1	20
Lead	ug/L	26.9	500	500	514	520	97	99	75-125	1	20
Selenium	ug/L	<16.6	500	500	507	517	101	103	75-125	2	20
Silver	ug/L	<3.3	250	250	256	256	102	102	75-125	0	20

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

QC Batch: 263456 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40154221011, 40154221012, 40154221013, 40154221014, 40154221015, 40154221016

METHOD BLANK: 1550340 Matrix: Solid
Associated Lab Samples: 40154221011, 40154221012, 40154221013, 40154221014, 40154221015, 40154221016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	08/03/17 08:54	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	08/03/17 08:54	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	08/03/17 08:54	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	08/03/17 08:54	
1,1-Dichloroethane	ug/kg	<17.6	50.0	08/03/17 08:54	
1,1-Dichloroethene	ug/kg	<17.6	50.0	08/03/17 08:54	
1,1-Dichloropropene	ug/kg	<14.0	50.0	08/03/17 08:54	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	08/03/17 08:54	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	08/03/17 08:54	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	08/03/17 08:54	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	08/03/17 08:54	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	08/03/17 08:54	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	08/03/17 08:54	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	08/03/17 08:54	
1,2-Dichloroethane	ug/kg	<15.0	50.0	08/03/17 08:54	
1,2-Dichloropropane	ug/kg	<16.8	50.0	08/03/17 08:54	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	08/03/17 08:54	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	08/03/17 08:54	
1,3-Dichloropropane	ug/kg	<12.0	50.0	08/03/17 08:54	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	08/03/17 08:54	
2,2-Dichloropropane	ug/kg	<12.6	50.0	08/03/17 08:54	
2-Chlorotoluene	ug/kg	<15.8	50.0	08/03/17 08:54	
4-Chlorotoluene	ug/kg	<13.0	50.0	08/03/17 08:54	
Benzene	ug/kg	<9.2	20.0	08/03/17 08:54	
Bromobenzene	ug/kg	<20.6	50.0	08/03/17 08:54	
Bromochloromethane	ug/kg	<21.4	50.0	08/03/17 08:54	
Bromodichloromethane	ug/kg	<9.8	50.0	08/03/17 08:54	
Bromoform	ug/kg	<19.8	50.0	08/03/17 08:54	
Bromomethane	ug/kg	<69.9	250	08/03/17 08:54	
Carbon tetrachloride	ug/kg	<12.1	50.0	08/03/17 08:54	
Chlorobenzene	ug/kg	<14.8	50.0	08/03/17 08:54	
Chloroethane	ug/kg	<67.0	250	08/03/17 08:54	
Chloroform	ug/kg	<46.4	250	08/03/17 08:54	
Chloromethane	ug/kg	<20.4	50.0	08/03/17 08:54	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	08/03/17 08:54	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	08/03/17 08:54	
Dibromochloromethane	ug/kg	<17.9	50.0	08/03/17 08:54	
Dibromomethane	ug/kg	<19.3	50.0	08/03/17 08:54	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	08/03/17 08:54	
Diisopropyl ether	ug/kg	<17.7	50.0	08/03/17 08:54	
Ethylbenzene	ug/kg	<12.4	50.0	08/03/17 08:54	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154221

METHOD BLANK: 1550340

Matrix: Solid

Associated Lab Samples: 40154221011, 40154221012, 40154221013, 40154221014, 40154221015, 40154221016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	08/03/17 08:54	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	08/03/17 08:54	
m&p-Xylene	ug/kg	<34.4	100	08/03/17 08:54	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	08/03/17 08:54	
Methylene Chloride	ug/kg	19.2J	50.0	08/03/17 08:54	
n-Butylbenzene	ug/kg	<10.5	50.0	08/03/17 08:54	
n-Propylbenzene	ug/kg	<11.6	50.0	08/03/17 08:54	
Naphthalene	ug/kg	<40.0	250	08/03/17 08:54	
o-Xylene	ug/kg	<14.0	50.0	08/03/17 08:54	
p-Isopropyltoluene	ug/kg	<12.0	50.0	08/03/17 08:54	
sec-Butylbenzene	ug/kg	<11.9	50.0	08/03/17 08:54	
Styrene	ug/kg	<9.0	50.0	08/03/17 08:54	
tert-Butylbenzene	ug/kg	<9.5	50.0	08/03/17 08:54	
Tetrachloroethene	ug/kg	<12.9	50.0	08/03/17 08:54	
Toluene	ug/kg	<11.2	50.0	08/03/17 08:54	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	08/03/17 08:54	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	08/03/17 08:54	
Trichloroethene	ug/kg	<23.6	50.0	08/03/17 08:54	
Trichlorofluoromethane	ug/kg	<24.7	50.0	08/03/17 08:54	
Vinyl chloride	ug/kg	<21.1	50.0	08/03/17 08:54	
4-Bromofluorobenzene (S)	%	90	58-141	08/03/17 08:54	
Dibromofluoromethane (S)	%	109	68-130	08/03/17 08:54	
Toluene-d8 (S)	%	107	68-149	08/03/17 08:54	

LABORATORY CONTROL SAMPLE: 1550341

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2310	93	61-122	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2510	100	73-130	
1,1,2-Trichloroethane	ug/kg	2500	2670	107	70-130	
1,1-Dichloroethane	ug/kg	2500	2470	99	63-124	
1,1-Dichloroethene	ug/kg	2500	2490	100	53-117	
1,2,4-Trichlorobenzene	ug/kg	2500	2140	86	78-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2050	82	49-140	
1,2-Dibromoethane (EDB)	ug/kg	2500	2520	101	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2410	96	70-130	
1,2-Dichloroethane	ug/kg	2500	2340	94	56-135	
1,2-Dichloropropane	ug/kg	2500	2560	102	77-122	
1,3-Dichlorobenzene	ug/kg	2500	2400	96	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2430	97	70-130	
Benzene	ug/kg	2500	2540	102	66-130	
Bromodichloromethane	ug/kg	2500	2180	87	62-135	
Bromoform	ug/kg	2500	2570	103	68-130	
Bromomethane	ug/kg	2500	2400	96	29-137	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154221

LABORATORY CONTROL SAMPLE: 1550341

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2230	89	57-130	
Chlorobenzene	ug/kg	2500	2600	104	70-130	
Chloroethane	ug/kg	2500	2570	103	36-144	
Chloroform	ug/kg	2500	2340	94	69-115	
Chloromethane	ug/kg	2500	2180	87	32-126	
cis-1,2-Dichloroethene	ug/kg	2500	2580	103	65-130	
cis-1,3-Dichloropropene	ug/kg	2500	2270	91	70-130	
Dibromochloromethane	ug/kg	2500	2480	99	70-130	
Dichlorodifluoromethane	ug/kg	2500	1720	69	10-99	
Ethylbenzene	ug/kg	2500	2510	100	82-122	
Isopropylbenzene (Cumene)	ug/kg	2500	2540	102	70-130	
m&p-Xylene	ug/kg	5000	5390	108	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2370	95	63-134	
Methylene Chloride	ug/kg	2500	2470	99	56-123	
o-Xylene	ug/kg	2500	2640	106	70-130	
Styrene	ug/kg	2500	2700	108	70-130	
Tetrachloroethene	ug/kg	2500	2600	104	70-131	
Toluene	ug/kg	2500	2670	107	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2560	102	66-130	
trans-1,3-Dichloropropene	ug/kg	2500	2390	96	68-130	
Trichloroethene	ug/kg	2500	2400	96	70-130	
Trichlorofluoromethane	ug/kg	2500	2500	100	37-149	
Vinyl chloride	ug/kg	2500	2520	101	43-128	
4-Bromofluorobenzene (S)	%			95	58-141	
Dibromofluoromethane (S)	%			104	68-130	
Toluene-d8 (S)	%			104	68-149	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1550342 1550343

Parameter	Units	40154218003		1550342		1550343		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Spike Conc.	MSD Result	MS Result	MSD Result						
1,1,1-Trichloroethane	ug/kg	<0.016 mg/kg	1380	1380	1110	1150	81	83	57-123	3	20		
1,1,2,2-Tetrachloroethane	ug/kg	<0.019 mg/kg	1380	1380	1470	1420	106	103	73-135	3	20		
1,1,2-Trichloroethane	ug/kg	<0.022 mg/kg	1380	1380	1450	1480	105	107	70-130	2	20		
1,1-Dichloroethane	ug/kg	<0.019 mg/kg	1380	1380	1280	1290	92	93	63-124	1	20		
1,1-Dichloroethene	ug/kg	<0.019 mg/kg	1380	1380	1070	1080	77	78	48-117	1	23		
1,2,4-Trichlorobenzene	ug/kg	<0.053 mg/kg	1380	1380	1300	1260	92	89	78-145	4	20		
1,2-Dibromo-3-chloropropane	ug/kg	<0.10 mg/kg	1380	1380	1180	1090	85	79	38-168	7	22		
1,2-Dibromoethane (EDB)	ug/kg	<0.016 mg/kg	1380	1380	1330	1280	96	93	70-130	4	20		

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

Parameter	Units	1550342		1550343		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40154218003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
1,2-Dichlorobenzene	ug/kg	<0.018 mg/kg	1380	1380	1410	1380	102	100	70-130	2	20	
1,2-Dichloroethane	ug/kg	<0.017 mg/kg	1380	1380	1230	1280	89	93	56-145	4	20	
1,2-Dichloropropane	ug/kg	<0.019 mg/kg	1380	1380	1420	1370	103	99	77-123	4	20	
1,3-Dichlorobenzene	ug/kg	<0.015 mg/kg	1380	1380	1330	1350	96	98	70-130	1	20	
1,4-Dichlorobenzene	ug/kg	<0.018 mg/kg	1380	1380	1400	1350	101	98	70-130	3	20	
Benzene	ug/kg	<0.010 mg/kg	1380	1380	1300	1330	94	97	65-130	3	20	
Bromodichloromethane	ug/kg	<0.011 mg/kg	1380	1380	1140	1170	83	85	59-141	3	20	
Bromoform	ug/kg	<0.022 mg/kg	1380	1380	1300	1270	94	92	59-141	2	20	
Bromomethane	ug/kg	<0.077 mg/kg	1380	1380	1000	956	72	69	28-139	5	20	
Carbon tetrachloride	ug/kg	<0.013 mg/kg	1380	1380	1050	1090	76	79	50-130	3	20	
Chlorobenzene	ug/kg	<0.016 mg/kg	1380	1380	1370	1380	99	100	70-130	1	20	
Chloroethane	ug/kg	<0.074 mg/kg	1380	1380	1090	1120	79	81	36-144	3	20	
Chloroform	ug/kg	<0.051 mg/kg	1380	1380	1240	1250	89	89	68-122	0	20	
Chloromethane	ug/kg	<0.023 mg/kg	1380	1380	726	747	53	54	30-126	3	20	
cis-1,2-Dichloroethene	ug/kg	<0.018 mg/kg	1380	1380	1340	1370	97	99	63-130	3	20	
cis-1,3-Dichloropropene	ug/kg	<0.018 mg/kg	1380	1380	1160	1190	84	86	70-130	3	20	
Dibromochloromethane	ug/kg	<0.020 mg/kg	1380	1380	1280	1300	92	94	66-136	2	20	
Dichlorodifluoromethane	ug/kg	<0.014 mg/kg	1380	1380	383	409	28	30	10-99	7	33	
Ethylbenzene	ug/kg	<0.014 mg/kg	1380	1380	1230	1260	89	91	80-122	2	20	
Isopropylbenzene (Cumene)	ug/kg	<0.014 mg/kg	1380	1380	1200	1240	87	89	70-130	3	20	
m&p-Xylene	ug/kg	<0.038 mg/kg	2760	2760	2630	2740	95	99	70-130	4	20	
Methyl-tert-butyl ether	ug/kg	<0.014 mg/kg	1380	1380	1330	1280	96	93	63-134	4	20	
Methylene Chloride	ug/kg	0.023J mg/kg	1380	1380	1290	1300	92	92	56-127	1	20	
o-Xylene	ug/kg	<0.015 mg/kg	1380	1380	1270	1320	92	96	70-130	4	20	
Styrene	ug/kg	<0.010 mg/kg	1380	1380	1380	1390	100	101	70-130	1	20	
Tetrachloroethene	ug/kg	<0.014 mg/kg	1380	1380	1270	1300	92	94	70-131	2	20	
Toluene	ug/kg	<0.012 mg/kg	1380	1380	1380	1400	100	101	80-120	2	20	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154221

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1550342		1550343		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40154218003 Result	MS Spike Conc.	MSD Spike Conc.									
trans-1,2-Dichloroethene	ug/kg	<0.018 mg/kg	1380	1380	1270	1250	92	91	60-130	2	20		
trans-1,3-Dichloropropene	ug/kg	<0.016 mg/kg	1380	1380	1220	1230	88	89	68-130	1	20		
Trichloroethene	ug/kg	<0.026 mg/kg	1380	1380	1190	1190	87	86	70-130	1	20		
Trichlorofluoromethane	ug/kg	<0.027 mg/kg	1380	1380	988	1030	72	75	37-149	4	24		
Vinyl chloride	ug/kg	<0.023 mg/kg	1380	1380	838	884	61	64	39-128	5	20		
4-Bromofluorobenzene (S)	%						99	100	58-141				
Dibromofluoromethane (S)	%						113	113	68-130				
Toluene-d8 (S)	%						110	112	68-149				

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

QC Batch: 263623 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40154221010, 40154221017, 40154221018, 40154221019, 40154221020

METHOD BLANK: 1551628 Matrix: Solid
Associated Lab Samples: 40154221010, 40154221017, 40154221018, 40154221019, 40154221020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	08/04/17 16:37	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	08/04/17 16:37	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	08/04/17 16:37	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	08/04/17 16:37	
1,1-Dichloroethane	ug/kg	<17.6	50.0	08/04/17 16:37	
1,1-Dichloroethene	ug/kg	<17.6	50.0	08/04/17 16:37	
1,1-Dichloropropene	ug/kg	<14.0	50.0	08/04/17 16:37	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	08/04/17 16:37	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	08/04/17 16:37	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	08/04/17 16:37	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	08/04/17 16:37	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	08/04/17 16:37	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	08/04/17 16:37	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	08/04/17 16:37	
1,2-Dichloroethane	ug/kg	<15.0	50.0	08/04/17 16:37	
1,2-Dichloropropane	ug/kg	<16.8	50.0	08/04/17 16:37	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	08/04/17 16:37	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	08/04/17 16:37	
1,3-Dichloropropane	ug/kg	<12.0	50.0	08/04/17 16:37	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	08/04/17 16:37	
2,2-Dichloropropane	ug/kg	<12.6	50.0	08/04/17 16:37	
2-Chlorotoluene	ug/kg	<15.8	50.0	08/04/17 16:37	
4-Chlorotoluene	ug/kg	<13.0	50.0	08/04/17 16:37	
Benzene	ug/kg	<9.2	20.0	08/04/17 16:37	
Bromobenzene	ug/kg	<20.6	50.0	08/04/17 16:37	
Bromochloromethane	ug/kg	<21.4	50.0	08/04/17 16:37	
Bromodichloromethane	ug/kg	<9.8	50.0	08/04/17 16:37	
Bromoform	ug/kg	<19.8	50.0	08/04/17 16:37	
Bromomethane	ug/kg	<69.9	250	08/04/17 16:37	
Carbon tetrachloride	ug/kg	<12.1	50.0	08/04/17 16:37	
Chlorobenzene	ug/kg	<14.8	50.0	08/04/17 16:37	
Chloroethane	ug/kg	<67.0	250	08/04/17 16:37	
Chloroform	ug/kg	<46.4	250	08/04/17 16:37	
Chloromethane	ug/kg	<20.4	50.0	08/04/17 16:37	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	08/04/17 16:37	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	08/04/17 16:37	
Dibromochloromethane	ug/kg	<17.9	50.0	08/04/17 16:37	
Dibromomethane	ug/kg	<19.3	50.0	08/04/17 16:37	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	08/04/17 16:37	
Diisopropyl ether	ug/kg	<17.7	50.0	08/04/17 16:37	
Ethylbenzene	ug/kg	<12.4	50.0	08/04/17 16:37	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154221

METHOD BLANK: 1551628

Matrix: Solid

Associated Lab Samples: 40154221010, 40154221017, 40154221018, 40154221019, 40154221020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	08/04/17 16:37	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	08/04/17 16:37	
m&p-Xylene	ug/kg	<34.4	100	08/04/17 16:37	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	08/04/17 16:37	
Methylene Chloride	ug/kg	<16.2	50.0	08/04/17 16:37	
n-Butylbenzene	ug/kg	<10.5	50.0	08/04/17 16:37	
n-Propylbenzene	ug/kg	<11.6	50.0	08/04/17 16:37	
Naphthalene	ug/kg	<40.0	250	08/04/17 16:37	
o-Xylene	ug/kg	<14.0	50.0	08/04/17 16:37	
p-Isopropyltoluene	ug/kg	<12.0	50.0	08/04/17 16:37	
sec-Butylbenzene	ug/kg	<11.9	50.0	08/04/17 16:37	
Styrene	ug/kg	<9.0	50.0	08/04/17 16:37	
tert-Butylbenzene	ug/kg	<9.5	50.0	08/04/17 16:37	
Tetrachloroethene	ug/kg	<12.9	50.0	08/04/17 16:37	
Toluene	ug/kg	<11.2	50.0	08/04/17 16:37	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	08/04/17 16:37	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	08/04/17 16:37	
Trichloroethene	ug/kg	<23.6	50.0	08/04/17 16:37	
Trichlorofluoromethane	ug/kg	<24.7	50.0	08/04/17 16:37	
Vinyl chloride	ug/kg	<21.1	50.0	08/04/17 16:37	
4-Bromofluorobenzene (S)	%	87	58-141	08/04/17 16:37	
Dibromofluoromethane (S)	%	104	68-130	08/04/17 16:37	
Toluene-d8 (S)	%	105	68-149	08/04/17 16:37	

LABORATORY CONTROL SAMPLE: 1551629

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2350	94	61-122	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2700	108	73-130	
1,1,2-Trichloroethane	ug/kg	2500	2740	109	70-130	
1,1-Dichloroethane	ug/kg	2500	2520	101	63-124	
1,1-Dichloroethene	ug/kg	2500	2400	96	53-117	
1,2,4-Trichlorobenzene	ug/kg	2500	2340	94	78-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2190	88	49-140	
1,2-Dibromoethane (EDB)	ug/kg	2500	2560	102	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2550	102	70-130	
1,2-Dichloroethane	ug/kg	2500	2340	94	56-135	
1,2-Dichloropropane	ug/kg	2500	2590	104	77-122	
1,3-Dichlorobenzene	ug/kg	2500	2490	100	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2510	101	70-130	
Benzene	ug/kg	2500	2580	103	66-130	
Bromodichloromethane	ug/kg	2500	2220	89	62-135	
Bromoform	ug/kg	2500	2610	104	68-130	
Bromomethane	ug/kg	2500	2470	99	29-137	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

LABORATORY CONTROL SAMPLE: 1551629

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2190	88	57-130	
Chlorobenzene	ug/kg	2500	2650	106	70-130	
Chloroethane	ug/kg	2500	2690	108	36-144	
Chloroform	ug/kg	2500	2360	95	69-115	
Chloromethane	ug/kg	2500	2170	87	32-126	
cis-1,2-Dichloroethene	ug/kg	2500	2610	104	65-130	
cis-1,3-Dichloropropene	ug/kg	2500	2330	93	70-130	
Dibromochloromethane	ug/kg	2500	2580	103	70-130	
Dichlorodifluoromethane	ug/kg	2500	1550	62	10-99	
Ethylbenzene	ug/kg	2500	2530	101	82-122	
Isopropylbenzene (Cumene)	ug/kg	2500	2510	100	70-130	
m&p-Xylene	ug/kg	5000	5390	108	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2620	105	63-134	
Methylene Chloride	ug/kg	2500	2470	99	56-123	
o-Xylene	ug/kg	2500	2580	103	70-130	
Styrene	ug/kg	2500	2660	106	70-130	
Tetrachloroethene	ug/kg	2500	2580	103	70-131	
Toluene	ug/kg	2500	2700	108	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2600	104	66-130	
trans-1,3-Dichloropropene	ug/kg	2500	2420	97	68-130	
Trichloroethene	ug/kg	2500	2460	98	70-130	
Trichlorofluoromethane	ug/kg	2500	2370	95	37-149	
Vinyl chloride	ug/kg	2500	2540	102	43-128	
4-Bromofluorobenzene (S)	%			97	58-141	
Dibromofluoromethane (S)	%			105	68-130	
Toluene-d8 (S)	%			106	68-149	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1551630 1551631

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40154301003	Spike Conc.	Spike Conc.	Result								
1,1,1-Trichloroethane	ug/kg	<25.0	1250	1250	1040	1000	83	80	57-123	4	20		
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1250	1250	1330	1320	106	106	73-135	0	20		
1,1,2-Trichloroethane	ug/kg	<25.0	1250	1250	1340	1400	107	112	70-130	5	20		
1,1-Dichloroethane	ug/kg	<25.0	1250	1250	1170	1190	93	95	63-124	2	20		
1,1-Dichloroethene	ug/kg	<25.0	1250	1250	945	924	76	74	48-117	2	23		
1,2,4-Trichlorobenzene	ug/kg	<47.6	1250	1250	1260	1210	101	97	78-145	5	20		
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1250	1250	1090	1080	88	86	38-168	2	22		
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1250	1250	1190	1290	95	103	70-130	8	20		
1,2-Dichlorobenzene	ug/kg	<25.0	1250	1250	1290	1290	103	103	70-130	0	20		
1,2-Dichloroethane	ug/kg	<25.0	1250	1250	1130	1130	90	90	56-145	0	20		
1,2-Dichloropropane	ug/kg	<25.0	1250	1250	1290	1300	103	104	77-123	1	20		
1,3-Dichlorobenzene	ug/kg	<25.0	1250	1250	1250	1230	100	99	70-130	2	20		
1,4-Dichlorobenzene	ug/kg	<25.0	1250	1250	1300	1290	104	103	70-130	1	20		

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154221

Parameter	Units	40154301003		1551630		1551631		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Benzene	ug/kg	<25.0	1250	1250	1210	1220	97	98	65-130	1	20		
Bromodichloromethane	ug/kg	<25.0	1250	1250	1070	1110	86	89	59-141	4	20		
Bromoform	ug/kg	<25.0	1250	1250	1200	1220	96	97	59-141	1	20		
Bromomethane	ug/kg	<69.9	1250	1250	878	910	70	73	28-139	4	20		
Carbon tetrachloride	ug/kg	<25.0	1250	1250	924	936	74	75	50-130	1	20		
Chlorobenzene	ug/kg	<25.0	1250	1250	1250	1330	100	106	70-130	6	20		
Chloroethane	ug/kg	<67.0	1250	1250	992	981	79	78	36-144	1	20		
Chloroform	ug/kg	<46.4	1250	1250	1150	1140	92	91	68-122	1	20		
Chloromethane	ug/kg	<25.0	1250	1250	633	622	51	50	30-126	2	20		
cis-1,2-Dichloroethene	ug/kg	<25.0	1250	1250	1230	1280	98	102	63-130	4	20		
cis-1,3-Dichloropropene	ug/kg	<25.0	1250	1250	1120	1130	89	90	70-130	1	20		
Dibromochloromethane	ug/kg	<25.0	1250	1250	1220	1250	97	100	66-136	2	20		
Dichlorodifluoromethane	ug/kg	<25.0	1250	1250	313	309	25	25	10-99	1	33		
Ethylbenzene	ug/kg	<25.0	1250	1250	1160	1190	92	95	80-122	3	20		
Isopropylbenzene (Cumene)	ug/kg	<25.0	1250	1250	1130	1120	91	90	70-130	1	20		
m&p-Xylene	ug/kg	<50.0	2500	2500	2500	2540	100	102	70-130	2	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1250	1250	1230	1230	99	99	63-134	0	20		
Methylene Chloride	ug/kg	<25.0	1250	1250	1200	1220	95	96	56-127	1	20		
o-Xylene	ug/kg	<25.0	1250	1250	1210	1250	97	100	70-130	4	20		
Styrene	ug/kg	<25.0	1250	1250	1260	1310	101	105	70-130	3	20		
Tetrachloroethene	ug/kg	<25.0	1250	1250	1120	1170	89	94	70-131	5	20		
Toluene	ug/kg	<25.0	1250	1250	1270	1320	102	106	80-120	4	20		
trans-1,2-Dichloroethene	ug/kg	<25.0	1250	1250	1150	1150	92	92	60-130	1	20		
trans-1,3-Dichloropropene	ug/kg	<25.0	1250	1250	1130	1160	91	93	68-130	2	20		
Trichloroethene	ug/kg	<25.0	1250	1250	1130	1100	91	88	70-130	3	20		
Trichlorofluoromethane	ug/kg	<25.0	1250	1250	808	797	65	64	37-149	1	24		
Vinyl chloride	ug/kg	<25.0	1250	1250	759	734	61	59	39-128	3	20		
4-Bromofluorobenzene (S)	%						106	114	58-141				
Dibromofluoromethane (S)	%						115	123	68-130				
Toluene-d8 (S)	%						117	125	68-149				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

QC Batch: 263312 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40154221001, 40154221002, 40154221003, 40154221004, 40154221005

METHOD BLANK: 1549468 Matrix: Water
Associated Lab Samples: 40154221001, 40154221002, 40154221003, 40154221004, 40154221005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	08/03/17 09:38	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	08/03/17 09:38	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	08/03/17 09:38	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	08/03/17 09:38	
1,1-Dichloroethane	ug/L	<0.24	1.0	08/03/17 09:38	
1,1-Dichloroethene	ug/L	<0.41	1.0	08/03/17 09:38	
1,1-Dichloropropene	ug/L	<0.44	1.0	08/03/17 09:38	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	08/03/17 09:38	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	08/03/17 09:38	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	08/03/17 09:38	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	08/03/17 09:38	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	08/03/17 09:38	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	08/03/17 09:38	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	08/03/17 09:38	
1,2-Dichloroethane	ug/L	<0.17	1.0	08/03/17 09:38	
1,2-Dichloropropane	ug/L	<0.23	1.0	08/03/17 09:38	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	08/03/17 09:38	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	08/03/17 09:38	
1,3-Dichloropropane	ug/L	<0.50	1.0	08/03/17 09:38	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	08/03/17 09:38	
2,2-Dichloropropane	ug/L	<0.48	1.0	08/03/17 09:38	
2-Chlorotoluene	ug/L	<0.50	1.0	08/03/17 09:38	
4-Chlorotoluene	ug/L	<0.21	1.0	08/03/17 09:38	
Benzene	ug/L	<0.50	1.0	08/03/17 09:38	
Bromobenzene	ug/L	<0.23	1.0	08/03/17 09:38	
Bromochloromethane	ug/L	<0.34	1.0	08/03/17 09:38	
Bromodichloromethane	ug/L	<0.50	1.0	08/03/17 09:38	
Bromoform	ug/L	<0.50	1.0	08/03/17 09:38	
Bromomethane	ug/L	<2.4	5.0	08/03/17 09:38	
Carbon tetrachloride	ug/L	<0.50	1.0	08/03/17 09:38	
Chlorobenzene	ug/L	<0.50	1.0	08/03/17 09:38	
Chloroethane	ug/L	<0.37	1.0	08/03/17 09:38	
Chloroform	ug/L	<2.5	5.0	08/03/17 09:38	
Chloromethane	ug/L	<0.50	1.0	08/03/17 09:38	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	08/03/17 09:38	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	08/03/17 09:38	
Dibromochloromethane	ug/L	<0.50	1.0	08/03/17 09:38	
Dibromomethane	ug/L	<0.43	1.0	08/03/17 09:38	
Dichlorodifluoromethane	ug/L	<0.22	1.0	08/03/17 09:38	
Diisopropyl ether	ug/L	<0.50	1.0	08/03/17 09:38	
Ethylbenzene	ug/L	<0.50	1.0	08/03/17 09:38	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154221

METHOD BLANK: 1549468

Matrix: Water

Associated Lab Samples: 40154221001, 40154221002, 40154221003, 40154221004, 40154221005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	08/03/17 09:38	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	08/03/17 09:38	
m&p-Xylene	ug/L	<1.0	2.0	08/03/17 09:38	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	08/03/17 09:38	
Methylene Chloride	ug/L	<0.23	1.0	08/03/17 09:38	
n-Butylbenzene	ug/L	<0.50	1.0	08/03/17 09:38	
n-Propylbenzene	ug/L	<0.50	1.0	08/03/17 09:38	
Naphthalene	ug/L	<2.5	5.0	08/03/17 09:38	
o-Xylene	ug/L	<0.50	1.0	08/03/17 09:38	
p-Isopropyltoluene	ug/L	<0.50	1.0	08/03/17 09:38	
sec-Butylbenzene	ug/L	<2.2	5.0	08/03/17 09:38	
Styrene	ug/L	<0.50	1.0	08/03/17 09:38	
tert-Butylbenzene	ug/L	<0.18	1.0	08/03/17 09:38	
Tetrachloroethene	ug/L	<0.50	1.0	08/03/17 09:38	
Toluene	ug/L	<0.50	1.0	08/03/17 09:38	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	08/03/17 09:38	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	08/03/17 09:38	
Trichloroethene	ug/L	<0.33	1.0	08/03/17 09:38	
Trichlorofluoromethane	ug/L	<0.18	1.0	08/03/17 09:38	
Vinyl chloride	ug/L	<0.18	1.0	08/03/17 09:38	
4-Bromofluorobenzene (S)	%	98	61-130	08/03/17 09:38	
Dibromofluoromethane (S)	%	103	67-130	08/03/17 09:38	
Toluene-d8 (S)	%	96	70-130	08/03/17 09:38	

LABORATORY CONTROL SAMPLE: 1549469

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	61.7	123	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	53.7	107	70-130	
1,1,2-Trichloroethane	ug/L	50	55.5	111	70-130	
1,1-Dichloroethane	ug/L	50	59.3	119	71-132	
1,1-Dichloroethene	ug/L	50	51.2	102	75-130	
1,2,4-Trichlorobenzene	ug/L	50	50.5	101	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	58.1	116	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	52.9	106	70-130	
1,2-Dichlorobenzene	ug/L	50	55.2	110	70-130	
1,2-Dichloroethane	ug/L	50	57.7	115	70-131	
1,2-Dichloropropane	ug/L	50	54.3	109	80-120	
1,3-Dichlorobenzene	ug/L	50	56.9	114	70-130	
1,4-Dichlorobenzene	ug/L	50	55.2	110	70-130	
Benzene	ug/L	50	57.9	116	73-145	
Bromodichloromethane	ug/L	50	54.0	108	70-130	
Bromoform	ug/L	50	56.3	113	67-130	
Bromomethane	ug/L	50	39.5	79	26-128	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

LABORATORY CONTROL SAMPLE: 1549469

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	65.2	130	70-133	
Chlorobenzene	ug/L	50	57.1	114	70-130	
Chloroethane	ug/L	50	47.1	94	58-120	
Chloroform	ug/L	50	55.6	111	80-121	
Chloromethane	ug/L	50	32.6	65	40-127	
cis-1,2-Dichloroethene	ug/L	50	53.3	107	70-130	
cis-1,3-Dichloropropene	ug/L	50	55.6	111	70-130	
Dibromochloromethane	ug/L	50	55.4	111	70-130	
Dichlorodifluoromethane	ug/L	50	30.5	61	20-135	
Ethylbenzene	ug/L	50	59.2	118	87-129	
Isopropylbenzene (Cumene)	ug/L	50	61.3	123	70-130	
m&p-Xylene	ug/L	100	118	118	70-130	
Methyl-tert-butyl ether	ug/L	50	59.3	119	66-143	
Methylene Chloride	ug/L	50	56.3	113	70-130	
o-Xylene	ug/L	50	59.4	119	70-130	
Styrene	ug/L	50	59.8	120	70-130	
Tetrachloroethene	ug/L	50	60.7	121	70-130	
Toluene	ug/L	50	56.7	113	82-130	
trans-1,2-Dichloroethene	ug/L	50	58.1	116	75-132	
trans-1,3-Dichloropropene	ug/L	50	57.1	114	70-130	
Trichloroethene	ug/L	50	57.3	115	70-130	
Trichlorofluoromethane	ug/L	50	54.5	109	76-133	
Vinyl chloride	ug/L	50	46.4	93	57-136	
4-Bromofluorobenzene (S)	%			102	61-130	
Dibromofluoromethane (S)	%			105	67-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1549744 1549745

Parameter	Units	40154221002		MSD		MSD		% Rec	% Rec	% Rec	Limits	RPD	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
1,1,1-Trichloroethane	ug/L	<10.0	50	50	54.5	56.3	109	113	70-134	3	20			
1,1,2,2-Tetrachloroethane	ug/L	<5.0	50	50	52.5	52.7	105	105	70-130	0	20			
1,1,2-Trichloroethane	ug/L	12.8J	50	50	71.0	75.0	116	124	70-130	5	20			
1,1-Dichloroethane	ug/L	<4.8	50	50	51.9	54.1	104	108	71-133	4	20			
1,1-Dichloroethene	ug/L	<8.2	50	50	48.0	52.2	96	104	75-136	8	20			
1,2,4-Trichlorobenzene	ug/L	<44.2	50	50	47.2	47.2	94	94	70-130	0	20			
1,2-Dibromo-3-chloropropane	ug/L	<43.3	50	50	54.1	55.0	108	110	63-123	2	20			
1,2-Dibromoethane (EDB)	ug/L	<3.6	50	50	50.1	53.0	100	106	70-130	6	20			
1,2-Dichlorobenzene	ug/L	<10.0	50	50	52.9	55.6	106	111	70-130	5	20			
1,2-Dichloroethane	ug/L	1630	50	50	1560	1630	-139	-4	70-131	4	20	E,M1		
1,2-Dichloropropane	ug/L	<4.7	50	50	52.7	54.8	105	110	80-120	4	20			
1,3-Dichlorobenzene	ug/L	<10.0	50	50	54.8	55.8	110	112	70-130	2	20			
1,4-Dichlorobenzene	ug/L	<10.0	50	50	53.0	54.1	106	108	70-130	2	20			

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154221

Parameter	Units	1549744		1549745		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40154221002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Benzene	ug/L	<10.0	50	50	53.8	56.8	108	114	73-145	6	20	
Bromodichloromethane	ug/L	<10.0	50	50	52.2	52.5	104	105	70-130	1	20	
Bromoform	ug/L	<10.0	50	50	50.9	55.5	102	111	67-130	9	20	
Bromomethane	ug/L	<48.7	50	50	37.8	38.8	76	78	26-129	3	20	
Carbon tetrachloride	ug/L	<10.0	50	50	59.5	61.1	119	122	70-134	3	20	
Chlorobenzene	ug/L	<10.0	50	50	52.5	54.1	105	108	70-130	3	20	
Chloroethane	ug/L	<7.5	50	50	44.3	44.6	89	89	58-120	0	20	
Chloroform	ug/L	<50.0	50	50	51.9	55.6	104	111	80-121	7	20	
Chloromethane	ug/L	<10.0	50	50	30.9	33.7	62	67	40-128	9	20	
cis-1,2-Dichloroethene	ug/L	<5.1	50	50	52.2	51.7	104	103	70-130	1	20	
cis-1,3-Dichloropropene	ug/L	<10.0	50	50	52.8	54.5	106	109	70-130	3	20	
Dibromochloromethane	ug/L	<10.0	50	50	53.1	55.3	106	111	70-130	4	20	
Dichlorodifluoromethane	ug/L	<4.5	50	50	26.9	29.2	54	58	20-146	8	20	
Ethylbenzene	ug/L	<10.0	50	50	55.9	57.8	112	116	87-129	3	20	
Isopropylbenzene (Cumene)	ug/L	<2.9	50	50	56.8	58.7	114	117	70-130	3	20	
m&p-Xylene	ug/L	<20.0	100	100	109	116	109	116	70-130	6	20	
Methyl-tert-butyl ether	ug/L	<3.5	50	50	52.6	56.8	105	114	66-143	8	20	
Methylene Chloride	ug/L	<4.7	50	50	53.0	55.8	106	112	70-130	5	20	
o-Xylene	ug/L	<10.0	50	50	55.9	59.0	112	118	70-130	5	20	
Styrene	ug/L	<10.0	50	50	55.2	57.4	110	115	70-130	4	20	
Tetrachloroethene	ug/L	<10.0	50	50	55.4	59.9	111	120	70-130	8	20	
Toluene	ug/L	<10.0	50	50	53.9	54.7	108	109	82-131	2	20	
trans-1,2-Dichloroethene	ug/L	<5.1	50	50	51.4	54.5	103	109	75-135	6	20	
trans-1,3-Dichloropropene	ug/L	<4.6	50	50	55.4	56.5	111	113	70-130	2	20	
Trichloroethene	ug/L	<6.6	50	50	54.1	57.1	108	114	70-130	5	20	
Trichlorofluoromethane	ug/L	<3.7	50	50	48.2	50.5	96	101	76-150	5	20	
Vinyl chloride	ug/L	17.7J	50	50	62.3	68.9	89	103	56-143	10	20	
4-Bromofluorobenzene (S)	%						101	104	61-130			
Dibromofluoromethane (S)	%						95	103	67-130			
Toluene-d8 (S)	%						98	98	70-130			

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

QC Batch: 263419 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40154221006, 40154221007, 40154221008, 40154221009, 40154221021

METHOD BLANK: 1550178 Matrix: Water
Associated Lab Samples: 40154221006, 40154221007, 40154221008, 40154221009, 40154221021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	08/03/17 11:19	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	08/03/17 11:19	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	08/03/17 11:19	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	08/03/17 11:19	
1,1-Dichloroethane	ug/L	<0.24	1.0	08/03/17 11:19	
1,1-Dichloroethene	ug/L	<0.41	1.0	08/03/17 11:19	
1,1-Dichloropropene	ug/L	<0.44	1.0	08/03/17 11:19	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	08/03/17 11:19	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	08/03/17 11:19	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	08/03/17 11:19	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	08/03/17 11:19	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	08/03/17 11:19	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	08/03/17 11:19	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	08/03/17 11:19	
1,2-Dichloroethane	ug/L	<0.17	1.0	08/03/17 11:19	
1,2-Dichloropropane	ug/L	<0.23	1.0	08/03/17 11:19	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	08/03/17 11:19	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	08/03/17 11:19	
1,3-Dichloropropane	ug/L	<0.50	1.0	08/03/17 11:19	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	08/03/17 11:19	
2,2-Dichloropropane	ug/L	<0.48	1.0	08/03/17 11:19	
2-Chlorotoluene	ug/L	<0.50	1.0	08/03/17 11:19	
4-Chlorotoluene	ug/L	<0.21	1.0	08/03/17 11:19	
Benzene	ug/L	<0.50	1.0	08/03/17 11:19	
Bromobenzene	ug/L	<0.23	1.0	08/03/17 11:19	
Bromochloromethane	ug/L	<0.34	1.0	08/03/17 11:19	
Bromodichloromethane	ug/L	<0.50	1.0	08/03/17 11:19	
Bromoform	ug/L	<0.50	1.0	08/03/17 11:19	
Bromomethane	ug/L	<2.4	5.0	08/03/17 11:19	
Carbon tetrachloride	ug/L	<0.50	1.0	08/03/17 11:19	
Chlorobenzene	ug/L	<0.50	1.0	08/03/17 11:19	
Chloroethane	ug/L	<0.37	1.0	08/03/17 11:19	
Chloroform	ug/L	<2.5	5.0	08/03/17 11:19	
Chloromethane	ug/L	<0.50	1.0	08/03/17 11:19	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	08/03/17 11:19	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	08/03/17 11:19	
Dibromochloromethane	ug/L	<0.50	1.0	08/03/17 11:19	
Dibromomethane	ug/L	<0.43	1.0	08/03/17 11:19	
Dichlorodifluoromethane	ug/L	<0.22	1.0	08/03/17 11:19	
Diisopropyl ether	ug/L	<0.50	1.0	08/03/17 11:19	
Ethylbenzene	ug/L	<0.50	1.0	08/03/17 11:19	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

METHOD BLANK: 1550178 Matrix: Water
Associated Lab Samples: 40154221006, 40154221007, 40154221008, 40154221009, 40154221021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	08/03/17 11:19	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	08/03/17 11:19	
m&p-Xylene	ug/L	<1.0	2.0	08/03/17 11:19	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	08/03/17 11:19	
Methylene Chloride	ug/L	<0.23	1.0	08/03/17 11:19	
n-Butylbenzene	ug/L	<0.50	1.0	08/03/17 11:19	
n-Propylbenzene	ug/L	<0.50	1.0	08/03/17 11:19	
Naphthalene	ug/L	<2.5	5.0	08/03/17 11:19	
o-Xylene	ug/L	<0.50	1.0	08/03/17 11:19	
p-Isopropyltoluene	ug/L	<0.50	1.0	08/03/17 11:19	
sec-Butylbenzene	ug/L	<2.2	5.0	08/03/17 11:19	
Styrene	ug/L	<0.50	1.0	08/03/17 11:19	
tert-Butylbenzene	ug/L	<0.18	1.0	08/03/17 11:19	
Tetrachloroethene	ug/L	<0.50	1.0	08/03/17 11:19	
Toluene	ug/L	<0.50	1.0	08/03/17 11:19	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	08/03/17 11:19	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	08/03/17 11:19	
Trichloroethene	ug/L	<0.33	1.0	08/03/17 11:19	
Trichlorofluoromethane	ug/L	<0.18	1.0	08/03/17 11:19	
Vinyl chloride	ug/L	<0.18	1.0	08/03/17 11:19	
4-Bromofluorobenzene (S)	%	91	61-130	08/03/17 11:19	
Dibromofluoromethane (S)	%	105	67-130	08/03/17 11:19	
Toluene-d8 (S)	%	101	70-130	08/03/17 11:19	

LABORATORY CONTROL SAMPLE: 1550179

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	42.8	86	70-130	
1,1,1,2-Tetrachloroethane	ug/L	50	48.7	97	70-130	
1,1,2-Trichloroethane	ug/L	50	50.0	100	70-130	
1,1-Dichloroethane	ug/L	50	47.5	95	71-132	
1,1-Dichloroethene	ug/L	50	41.0	82	75-130	
1,2,4-Trichlorobenzene	ug/L	50	42.6	85	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	44.0	88	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	47.1	94	70-130	
1,2-Dichlorobenzene	ug/L	50	46.5	93	70-130	
1,2-Dichloroethane	ug/L	50	43.2	86	70-131	
1,2-Dichloropropane	ug/L	50	50.3	101	80-120	
1,3-Dichlorobenzene	ug/L	50	47.7	95	70-130	
1,4-Dichlorobenzene	ug/L	50	45.9	92	70-130	
Benzene	ug/L	50	44.3	89	73-145	
Bromodichloromethane	ug/L	50	47.4	95	70-130	
Bromoform	ug/L	50	47.0	94	67-130	
Bromomethane	ug/L	50	23.4	47	26-128	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

LABORATORY CONTROL SAMPLE: 1550179

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	47.1	94	70-133	
Chlorobenzene	ug/L	50	48.5	97	70-130	
Chloroethane	ug/L	50	41.5	83	58-120	
Chloroform	ug/L	50	45.3	91	80-121	
Chloromethane	ug/L	50	25.9	52	40-127	
cis-1,2-Dichloroethene	ug/L	50	44.5	89	70-130	
cis-1,3-Dichloropropene	ug/L	50	43.7	87	70-130	
Dibromochloromethane	ug/L	50	45.4	91	70-130	
Dichlorodifluoromethane	ug/L	50	29.5	59	20-135	
Ethylbenzene	ug/L	50	48.1	96	87-129	
Isopropylbenzene (Cumene)	ug/L	50	49.2	98	70-130	
m&p-Xylene	ug/L	100	101	101	70-130	
Methyl-tert-butyl ether	ug/L	50	41.3	83	66-143	
Methylene Chloride	ug/L	50	46.1	92	70-130	
o-Xylene	ug/L	50	49.3	99	70-130	
Styrene	ug/L	50	48.3	97	70-130	
Tetrachloroethene	ug/L	50	43.8	88	70-130	
Toluene	ug/L	50	47.5	95	82-130	
trans-1,2-Dichloroethene	ug/L	50	46.7	93	75-132	
trans-1,3-Dichloropropene	ug/L	50	43.8	88	70-130	
Trichloroethene	ug/L	50	47.1	94	70-130	
Trichlorofluoromethane	ug/L	50	38.6	77	76-133	
Vinyl chloride	ug/L	50	34.7	69	57-136	
4-Bromofluorobenzene (S)	%			105	61-130	
Dibromofluoromethane (S)	%			98	67-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1550180 1550181

Parameter	Units	40154250001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1,1,1-Trichloroethane	ug/L	<0.00050 mg/L	50	50	52.0	49.9	104	100	70-134	4	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.00025 mg/L	50	50	57.9	56.3	116	113	70-130	3	20		
1,1,2-Trichloroethane	ug/L	<0.00020 mg/L	50	50	58.0	59.0	116	118	70-130	2	20		
1,1-Dichloroethane	ug/L	<0.00024 mg/L	50	50	55.6	58.4	111	117	71-133	5	20		
1,1-Dichloroethene	ug/L	<0.00041 mg/L	50	50	46.0	46.0	92	92	75-136	0	20		
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	53.0	51.8	106	104	70-130	2	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	53.3	50.5	107	101	63-123	5	20		
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	58.2	57.1	116	114	70-130	2	20		
1,2-Dichlorobenzene	ug/L	<0.50	50	50	54.9	53.7	110	107	70-130	2	20		

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

Parameter	Units	40154250001		1550180		1550181		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
1,2-Dichloroethane	ug/L	<0.00017 mg/L	50	50	53.5	51.1	107	102	70-131	5	20		
1,2-Dichloropropane	ug/L	<0.00023 mg/L	50	50	60.8	60.1	122	120	80-120	1	20	M1	
1,3-Dichlorobenzene	ug/L	<0.50	50	50	57.1	54.5	114	109	70-130	5	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	55.8	54.9	112	110	70-130	2	20		
Benzene	ug/L	<0.00050 mg/L	50	50	55.0	53.1	110	106	73-145	4	20		
Bromodichloromethane	ug/L	<0.00050 mg/L	50	50	58.5	56.4	117	113	70-130	4	20		
Bromoform	ug/L	<0.00050 mg/L	50	50	57.2	56.8	114	114	67-130	1	20		
Bromomethane	ug/L	<0.0024 mg/L	50	50	37.8	37.5	76	75	26-129	1	20		
Carbon tetrachloride	ug/L	<0.00050 mg/L	50	50	53.8	52.2	108	104	70-134	3	20		
Chlorobenzene	ug/L	<0.00050 mg/L	50	50	58.2	55.9	116	112	70-130	4	20		
Chloroethane	ug/L	<0.00037 mg/L	50	50	47.9	46.8	96	94	58-120	2	20		
Chloroform	ug/L	<0.0025 mg/L	50	50	56.1	53.5	112	107	80-121	5	20		
Chloromethane	ug/L	<0.00050 mg/L	50	50	32.8	32.6	66	65	40-128	0	20		
cis-1,2-Dichloroethene	ug/L	<0.00026 mg/L	50	50	54.8	51.8	110	104	70-130	6	20		
cis-1,3-Dichloropropene	ug/L	<0.00050 mg/L	50	50	56.8	54.6	114	109	70-130	4	20		
Dibromochloromethane	ug/L	<0.00050 mg/L	50	50	56.4	55.7	113	111	70-130	1	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	22.4	21.7	45	43	20-146	3	20		
Ethylbenzene	ug/L	0.00054J mg/L	50	50	58.9	57.9	117	115	87-129	2	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	58.9	57.1	118	114	70-130	3	20		
m&p-Xylene	ug/L	<1.0	100	100	118	118	118	118	70-130	0	20		
Methyl-tert-butyl ether	ug/L	<0.00017 mg/L	50	50	55.1	54.6	110	109	66-143	1	20		
Methylene Chloride	ug/L	<0.00023 mg/L	50	50	55.4	54.4	111	109	70-130	2	20		
o-Xylene	ug/L	<0.50	50	50	60.7	59.4	121	119	70-130	2	20		
Styrene	ug/L	0.0047 mg/L	50	50	67.7	69.8	126	130	70-130	3	20		
Tetrachloroethene	ug/L	<0.00050 mg/L	50	50	49.8	50.3	100	101	70-130	1	20		
Toluene	ug/L	0.00079J mg/L	50	50	58.9	59.1	116	117	82-131	0	20		
trans-1,2-Dichloroethene	ug/L	<0.00026 mg/L	50	50	57.8	55.0	116	110	75-135	5	20		
trans-1,3-Dichloropropene	ug/L	<0.00023 mg/L	50	50	55.3	55.2	111	110	70-130	0	20		
Trichloroethene	ug/L	<0.00033 mg/L	50	50	57.5	55.3	115	111	70-130	4	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154221

Parameter	Units	40154250001		1550180		1550181		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS Result	MSD Result							
Trichlorofluoromethane	ug/L	<0.18	50	50	39.5	37.8	79	76	76-150	4	20			
Vinyl chloride	ug/L	<0.00018 mg/L	50	50	41.6	39.8	83	80	56-143	4	20			
4-Bromofluorobenzene (S)	%						100	105	61-130				HS	
Dibromofluoromethane (S)	%						100	99	67-130					
Toluene-d8 (S)	%						99	101	70-130					

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

QC Batch: 263757 Analysis Method: EPA 8082
QC Batch Method: EPA 3541 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 40154221010, 40154221011, 40154221014, 40154221016, 40154221020

METHOD BLANK: 1552400 Matrix: Solid
Associated Lab Samples: 40154221010, 40154221011, 40154221014, 40154221016, 40154221020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<25.0	50.0	08/08/17 01:33	
PCB-1221 (Aroclor 1221)	ug/kg	<25.0	50.0	08/08/17 01:33	
PCB-1232 (Aroclor 1232)	ug/kg	<25.0	50.0	08/08/17 01:33	
PCB-1242 (Aroclor 1242)	ug/kg	<25.0	50.0	08/08/17 01:33	
PCB-1248 (Aroclor 1248)	ug/kg	<25.0	50.0	08/08/17 01:33	
PCB-1254 (Aroclor 1254)	ug/kg	<25.0	50.0	08/08/17 01:33	
PCB-1260 (Aroclor 1260)	ug/kg	<25.0	50.0	08/08/17 01:33	
Decachlorobiphenyl (S)	%	76	53-105	08/08/17 01:33	
Tetrachloro-m-xylene (S)	%	72	50-102	08/08/17 01:33	

LABORATORY CONTROL SAMPLE: 1552401

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<25.0			
PCB-1221 (Aroclor 1221)	ug/kg		<25.0			
PCB-1232 (Aroclor 1232)	ug/kg		<25.0			
PCB-1242 (Aroclor 1242)	ug/kg		<25.0			
PCB-1248 (Aroclor 1248)	ug/kg		<25.0			
PCB-1254 (Aroclor 1254)	ug/kg		<25.0			
PCB-1260 (Aroclor 1260)	ug/kg	500	369	74	59-106	
Decachlorobiphenyl (S)	%			80	53-105	
Tetrachloro-m-xylene (S)	%			76	50-102	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1552402 1552403

Parameter	Units	40154307017		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	Result	MSD Result	% Rec	% Rec					
PCB-1016 (Aroclor 1016)	ug/kg	<28.9			<28.9	<28.9						20	
PCB-1221 (Aroclor 1221)	ug/kg	<28.9			<28.9	<28.9						20	
PCB-1232 (Aroclor 1232)	ug/kg	<28.9			<28.9	<28.9						20	
PCB-1242 (Aroclor 1242)	ug/kg	<28.9			<28.9	<28.9						20	
PCB-1248 (Aroclor 1248)	ug/kg	<28.9			<28.9	<28.9						20	
PCB-1254 (Aroclor 1254)	ug/kg	<28.9			<28.9	<28.9						20	
PCB-1260 (Aroclor 1260)	ug/kg	<28.9	578	578	418	427	72	74	51-109	2	20		
Decachlorobiphenyl (S)	%						78	79	53-105				
Tetrachloro-m-xylene (S)	%						75	76	50-102				

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

QC Batch: 263824 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 40154221012, 40154221013, 40154221015

METHOD BLANK: 1552615 Matrix: Solid
Associated Lab Samples: 40154221012, 40154221013, 40154221015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	08/08/17 16:31	
2-Methylnaphthalene	ug/kg	<5.0	16.7	08/08/17 16:31	
Acenaphthene	ug/kg	<3.9	12.9	08/08/17 16:31	
Acenaphthylene	ug/kg	<3.3	11.0	08/08/17 16:31	
Anthracene	ug/kg	<5.7	19.0	08/08/17 16:31	
Benzo(a)anthracene	ug/kg	<3.2	10.6	08/08/17 16:31	
Benzo(a)pyrene	ug/kg	<2.5	8.4	08/08/17 16:31	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	08/08/17 16:31	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	08/08/17 16:31	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	08/08/17 16:31	
Chrysene	ug/kg	<3.4	11.2	08/08/17 16:31	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.5	08/08/17 16:31	
Fluoranthene	ug/kg	<5.2	17.4	08/08/17 16:31	
Fluorene	ug/kg	<4.1	13.8	08/08/17 16:31	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	08/08/17 16:31	
Naphthalene	ug/kg	<8.4	28.1	08/08/17 16:31	
Phenanthrene	ug/kg	<11.7	38.9	08/08/17 16:31	
Pyrene	ug/kg	<4.5	15.0	08/08/17 16:31	
2-Fluorobiphenyl (S)	%	67	19-96	08/08/17 16:31	
Terphenyl-d14 (S)	%	85	31-98	08/08/17 16:31	

LABORATORY CONTROL SAMPLE: 1552616

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	334	219	66	49-102	
2-Methylnaphthalene	ug/kg	334	234	70	47-91	
Acenaphthene	ug/kg	334	263	79	52-97	
Acenaphthylene	ug/kg	334	259	78	49-97	
Anthracene	ug/kg	334	257	77	62-101	
Benzo(a)anthracene	ug/kg	334	257	77	53-95	
Benzo(a)pyrene	ug/kg	334	277	83	57-108	
Benzo(b)fluoranthene	ug/kg	334	246	74	53-113	
Benzo(g,h,i)perylene	ug/kg	334	284	85	43-114	
Benzo(k)fluoranthene	ug/kg	334	300	90	66-116	
Chrysene	ug/kg	334	269	81	64-109	
Dibenz(a,h)anthracene	ug/kg	334	281	84	50-105	
Fluoranthene	ug/kg	334	281	84	58-107	
Fluorene	ug/kg	334	261	78	52-99	
Indeno(1,2,3-cd)pyrene	ug/kg	334	278	83	51-113	
Naphthalene	ug/kg	334	233	70	50-91	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154221

LABORATORY CONTROL SAMPLE: 1552616

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	334	265	79	57-101	
Pyrene	ug/kg	334	258	77	50-102	
2-Fluorobiphenyl (S)	%			70	19-96	
Terphenyl-d14 (S)	%			72	31-98	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1552617 1552618

Parameter	Units	40154163003		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1-Methylnaphthalene	ug/kg	<4.8	400	399	267	258	67	65	37-102	3	29		
2-Methylnaphthalene	ug/kg	<6.0	400	399	273	272	68	68	44-91	1	36		
Acenaphthene	ug/kg	<4.6	400	399	298	296	75	74	46-97	1	26		
Acenaphthylene	ug/kg	<3.9	400	399	297	293	74	73	47-97	1	29		
Anthracene	ug/kg	<6.8	400	399	309	307	77	77	50-101	1	28		
Benzo(a)anthracene	ug/kg	<3.8	400	399	282	278	71	70	48-95	1	28		
Benzo(a)pyrene	ug/kg	<3.0	400	399	306	301	77	76	47-108	1	36		
Benzo(b)fluoranthene	ug/kg	<3.4	400	399	264	269	66	67	42-113	2	34		
Benzo(g,h,i)perylene	ug/kg	<2.4	400	399	313	305	78	76	18-114	2	30		
Benzo(k)fluoranthene	ug/kg	<3.0	400	399	337	317	84	79	50-116	6	27		
Chrysene	ug/kg	<4.0	400	399	301	291	75	73	55-109	4	28		
Dibenz(a,h)anthracene	ug/kg	<2.7	400	399	310	306	78	77	39-105	1	29		
Fluoranthene	ug/kg	<6.2	400	399	305	301	76	75	41-107	1	28		
Fluorene	ug/kg	<5.0	400	399	290	287	73	72	48-99	1	28		
Indeno(1,2,3-cd)pyrene	ug/kg	<2.6	400	399	305	298	76	75	27-113	2	30		
Naphthalene	ug/kg	<10.1	400	399	277	283	69	71	40-91	2	37		
Phenanthrene	ug/kg	<14.0	400	399	298	295	74	73	46-101	1	40		
Pyrene	ug/kg	<5.4	400	399	279	275	70	69	50-102	1	31		
2-Fluorobiphenyl (S)	%						64	65	19-96				
Terphenyl-d14 (S)	%						63	63	31-98				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

QC Batch: 264121 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 40154221017, 40154221018, 40154221019

METHOD BLANK: 1554276 Matrix: Solid
Associated Lab Samples: 40154221017, 40154221018, 40154221019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	08/10/17 12:25	
2-Methylnaphthalene	ug/kg	<5.0	16.7	08/10/17 12:25	
Acenaphthene	ug/kg	<3.9	12.9	08/10/17 12:25	
Acenaphthylene	ug/kg	<3.3	11.0	08/10/17 12:25	
Anthracene	ug/kg	<5.7	19.0	08/10/17 12:25	
Benzo(a)anthracene	ug/kg	<3.2	10.6	08/10/17 12:25	
Benzo(a)pyrene	ug/kg	<2.5	8.4	08/10/17 12:25	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	08/10/17 12:25	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	08/10/17 12:25	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	08/10/17 12:25	
Chrysene	ug/kg	<3.4	11.2	08/10/17 12:25	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.4	08/10/17 12:25	
Fluoranthene	ug/kg	<5.2	17.4	08/10/17 12:25	
Fluorene	ug/kg	<4.1	13.8	08/10/17 12:25	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	08/10/17 12:25	
Naphthalene	ug/kg	<8.4	28.1	08/10/17 12:25	
Phenanthrene	ug/kg	<11.6	38.8	08/10/17 12:25	
Pyrene	ug/kg	<4.5	15.0	08/10/17 12:25	
2-Fluorobiphenyl (S)	%	67	19-96	08/10/17 12:25	
Terphenyl-d14 (S)	%	76	31-98	08/10/17 12:25	

LABORATORY CONTROL SAMPLE: 1554277

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	224	67	49-102	
2-Methylnaphthalene	ug/kg	333	224	67	47-91	
Acenaphthene	ug/kg	333	262	79	52-97	
Acenaphthylene	ug/kg	333	255	77	49-97	
Anthracene	ug/kg	333	267	80	62-101	
Benzo(a)anthracene	ug/kg	333	232	70	53-95	
Benzo(a)pyrene	ug/kg	333	245	74	57-108	
Benzo(b)fluoranthene	ug/kg	333	248	75	53-113	
Benzo(g,h,i)perylene	ug/kg	333	290	87	43-114	
Benzo(k)fluoranthene	ug/kg	333	267	80	66-116	
Chrysene	ug/kg	333	261	78	64-109	
Dibenz(a,h)anthracene	ug/kg	333	270	81	50-105	
Fluoranthene	ug/kg	333	253	76	58-107	
Fluorene	ug/kg	333	251	75	52-99	
Indeno(1,2,3-cd)pyrene	ug/kg	333	269	81	51-113	
Naphthalene	ug/kg	333	247	74	50-91	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154221

LABORATORY CONTROL SAMPLE: 1554277

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	333	242	73	57-101	
Pyrene	ug/kg	333	235	71	50-102	
2-Fluorobiphenyl (S)	%			70	19-96	
Terphenyl-d14 (S)	%			72	31-98	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1554278 1554279

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40154221018 Result	Spike Conc.	Spike Conc.	MS Result						
1-Methylnaphthalene	ug/kg	2550	376	374	3550	3520	266	259	37-102	1	29 M6
2-Methylnaphthalene	ug/kg	7630	376	374	9570	8900	515	340	44-91	7	36 M6
Acenaphthene	ug/kg	<87.1	376	374	375	362	100	97	46-97	3	26 M6
Acenaphthylene	ug/kg	<74.0	376	374	282	349	75	93	47-97	21	29
Anthracene	ug/kg	<128	376	374	280J	212J	75	57	50-101		28
Benzo(a)anthracene	ug/kg	<71.2	376	374	284	295	62	65	48-95	4	28
Benzo(a)pyrene	ug/kg	<56.4	376	374	250	243	67	65	47-108	3	36
Benzo(b)fluoranthene	ug/kg	<63.4	376	374	232	264	62	70	42-113	13	34
Benzo(g,h,i)perylene	ug/kg	<45.6	376	374	123J	135J	33	36	18-114		30
Benzo(k)fluoranthene	ug/kg	<56.3	376	374	261	282	70	75	50-116	8	27
Chrysene	ug/kg	<75.7	376	374	269	318	66	79	55-109	17	28
Dibenz(a,h)anthracene	ug/kg	<50.2	376	374	142J	180	38	48	39-105		29 M6
Fluoranthene	ug/kg	<117	376	374	294J	268J	78	71	41-107		28
Fluorene	ug/kg	188J	376	374	296J	275J	29	23	48-99		28 M6
Indeno(1,2,3-cd)pyrene	ug/kg	<49.4	376	374	130J	146J	35	39	27-113		30
Naphthalene	ug/kg	6770	376	374	10100	10500	877	988	40-91	4	37 M6
Phenanthrene	ug/kg	<262	376	374	313J	296J	75	71	46-101		40
Pyrene	ug/kg	<101	376	374	278J	284J	74	76	50-102		31
2-Fluorobiphenyl (S)	%						59	75	19-96		
Terphenyl-d14 (S)	%						61	74	31-98		

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

QC Batch: 263410 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 40154221010, 40154221011, 40154221014, 40154221016, 40154221020

METHOD BLANK: 1550145 Matrix: Solid
Associated Lab Samples: 40154221010, 40154221011, 40154221014, 40154221016, 40154221020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	<18.9	62.8	08/03/17 11:24	
1,2-Dichlorobenzene	ug/kg	<52.4	175	08/03/17 11:24	
1,3-Dichlorobenzene	ug/kg	<23.1	77.0	08/03/17 11:24	
1,4-Dichlorobenzene	ug/kg	<23.2	77.4	08/03/17 11:24	
2,2'-Oxybis(1-chloropropane)	ug/kg	<43.0	143	08/03/17 11:24	
2,4,5-Trichlorophenol	ug/kg	<29.5	98.2	08/03/17 11:24	
2,4,6-Trichlorophenol	ug/kg	<25.4	84.7	08/03/17 11:24	
2,4-Dichlorophenol	ug/kg	<44.6	149	08/03/17 11:24	
2,4-Dimethylphenol	ug/kg	<33.0	110	08/03/17 11:24	
2,4-Dinitrophenol	ug/kg	<50.8	169	08/03/17 11:24	
2,4-Dinitrotoluene	ug/kg	<23.8	79.5	08/03/17 11:24	
2,6-Dinitrotoluene	ug/kg	<31.7	106	08/03/17 11:24	
2-Chloronaphthalene	ug/kg	<21.4	71.4	08/03/17 11:24	
2-Chlorophenol	ug/kg	<41.6	139	08/03/17 11:24	
2-Methylnaphthalene	ug/kg	<43.3	144	08/03/17 11:24	
2-Methylphenol(o-Cresol)	ug/kg	<30.3	101	08/03/17 11:24	
2-Nitroaniline	ug/kg	<47.5	158	08/03/17 11:24	
2-Nitrophenol	ug/kg	<52.6	175	08/03/17 11:24	
3&4-Methylphenol(m&p Cresol)	ug/kg	<30.6	102	08/03/17 11:24	
3,3'-Dichlorobenzidine	ug/kg	<45.2	151	08/03/17 11:24	
3-Nitroaniline	ug/kg	<28.4	94.5	08/03/17 11:24	
4,6-Dinitro-2-methylphenol	ug/kg	<51.4	171	08/03/17 11:24	
4-Bromophenylphenyl ether	ug/kg	<34.9	116	08/03/17 11:24	
4-Chloro-3-methylphenol	ug/kg	<51.9	173	08/03/17 11:24	
4-Chloroaniline	ug/kg	<27.4	91.3	08/03/17 11:24	
4-Chlorophenylphenyl ether	ug/kg	<31.1	104	08/03/17 11:24	
4-Nitroaniline	ug/kg	<69.2	231	08/03/17 11:24	
4-Nitrophenol	ug/kg	<42.0	140	08/03/17 11:24	
Acenaphthene	ug/kg	<59.1	197	08/03/17 11:24	
Acenaphthylene	ug/kg	<59.5	198	08/03/17 11:24	
Anthracene	ug/kg	<26.7	88.8	08/03/17 11:24	
Benzo(a)anthracene	ug/kg	<25.8	86.1	08/03/17 11:24	
Benzo(a)pyrene	ug/kg	<25.1	83.6	08/03/17 11:24	
Benzo(b)fluoranthene	ug/kg	<28.7	95.5	08/03/17 11:24	
Benzo(g,h,i)perylene	ug/kg	<43.6	145	08/03/17 11:24	
Benzo(k)fluoranthene	ug/kg	<39.9	133	08/03/17 11:24	
bis(2-Chloroethoxy)methane	ug/kg	<44.9	150	08/03/17 11:24	
bis(2-Chloroethyl) ether	ug/kg	<52.1	174	08/03/17 11:24	
bis(2-Ethylhexyl)phthalate	ug/kg	<27.7	92.4	08/03/17 11:24	
Butylbenzylphthalate	ug/kg	<26.7	89.1	08/03/17 11:24	
Carbazole	ug/kg	<26.1	87.0	08/03/17 11:24	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

METHOD BLANK: 1550145 Matrix: Solid
Associated Lab Samples: 40154221010, 40154221011, 40154221014, 40154221016, 40154221020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chrysene	ug/kg	<24.9	83.1	08/03/17 11:24	
Di-n-butylphthalate	ug/kg	<24.9	83.1	08/03/17 11:24	
Di-n-octylphthalate	ug/kg	<37.5	125	08/03/17 11:24	
Dibenz(a,h)anthracene	ug/kg	<45.3	151	08/03/17 11:24	
Dibenzofuran	ug/kg	<20.2	67.3	08/03/17 11:24	
Diethylphthalate	ug/kg	<27.7	92.2	08/03/17 11:24	
Dimethylphthalate	ug/kg	<21.7	72.3	08/03/17 11:24	
Fluoranthene	ug/kg	<23.6	78.7	08/03/17 11:24	
Fluorene	ug/kg	<19.5	65.0	08/03/17 11:24	
Hexachloro-1,3-butadiene	ug/kg	<42.5	142	08/03/17 11:24	
Hexachlorobenzene	ug/kg	<28.0	93.5	08/03/17 11:24	
Hexachlorocyclopentadiene	ug/kg	<39.5	132	08/03/17 11:24	
Hexachloroethane	ug/kg	<26.7	89.0	08/03/17 11:24	
Indeno(1,2,3-cd)pyrene	ug/kg	<36.1	120	08/03/17 11:24	
Isophorone	ug/kg	<25.6	85.4	08/03/17 11:24	
N-Nitroso-di-n-propylamine	ug/kg	<26.4	88.2	08/03/17 11:24	
N-Nitrosodiphenylamine	ug/kg	<226	754	08/03/17 11:24	
Naphthalene	ug/kg	<58.3	194	08/03/17 11:24	
Nitrobenzene	ug/kg	<33.8	113	08/03/17 11:24	
Pentachlorophenol	ug/kg	<36.7	122	08/03/17 11:24	
Phenanthrene	ug/kg	<21.4	71.3	08/03/17 11:24	
Phenol	ug/kg	<39.6	132	08/03/17 11:24	
Pyrene	ug/kg	<37.0	123	08/03/17 11:24	
2,4,6-Tribromophenol (S)	%	104	13-143	08/03/17 11:24	
2-Fluorobiphenyl (S)	%	94	18-127	08/03/17 11:24	
2-Fluorophenol (S)	%	93	16-103	08/03/17 11:24	
Nitrobenzene-d5 (S)	%	100	13-114	08/03/17 11:24	
Phenol-d6 (S)	%	93	30-97	08/03/17 11:24	
Terphenyl-d14 (S)	%	102	41-109	08/03/17 11:24	

LABORATORY CONTROL SAMPLE: 1550146

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1410	85	65-130	
1,2-Dichlorobenzene	ug/kg	1670	1380	83	53-130	
1,3-Dichlorobenzene	ug/kg	1670	1350	81	51-99	
1,4-Dichlorobenzene	ug/kg	1670	1360	82	52-101	
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	1490	89	54-105	
2,4,5-Trichlorophenol	ug/kg	1670	1510	90	60-119	
2,4,6-Trichlorophenol	ug/kg	1670	1510	90	64-115	
2,4-Dichlorophenol	ug/kg	1670	1500	90	66-99	
2,4-Dimethylphenol	ug/kg	1670	1560	94	70-121	
2,4-Dinitrophenol	ug/kg	1670	1180	71	23-72	
2,4-Dinitrotoluene	ug/kg	1670	1690	101	58-131	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154221

LABORATORY CONTROL SAMPLE: 1550146

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,6-Dinitrotoluene	ug/kg	1670	1660	99	60-125	
2-Chloronaphthalene	ug/kg	1670	1460	88	64-111	
2-Chlorophenol	ug/kg	1670	1420	85	57-130	
2-Methylnaphthalene	ug/kg	1670	1540	92	67-130	
2-Methylphenol(o-Cresol)	ug/kg	1670	1470	88	64-106	
2-Nitroaniline	ug/kg	1670	1610	97	60-124	
2-Nitrophenol	ug/kg	1670	1460	87	63-107	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1470	88	62-106	
3,3'-Dichlorobenzidine	ug/kg	1670	1200	72	39-100	
3-Nitroaniline	ug/kg	1670	1570	94	53-119	
4,6-Dinitro-2-methylphenol	ug/kg	1670	1470	88	49-115	
4-Bromophenylphenyl ether	ug/kg	1670	1620	97	70-130	
4-Chloro-3-methylphenol	ug/kg	1670	1620	97	68-101	
4-Chloroaniline	ug/kg	1670	1510	90	62-126	
4-Chlorophenylphenyl ether	ug/kg	1670	1620	97	67-116	
4-Nitroaniline	ug/kg	1670	1620	97	48-130	
4-Nitrophenol	ug/kg	1670	1630	98	38-118	
Acenaphthene	ug/kg	1670	1560	93	65-116	
Acenaphthylene	ug/kg	1670	1550	93	63-119	
Anthracene	ug/kg	1670	1780	107	70-122	
Benzo(a)anthracene	ug/kg	1670	1550	93	68-111	
Benzo(a)pyrene	ug/kg	1670	1630	98	69-106	
Benzo(b)fluoranthene	ug/kg	1670	1610	97	62-104	
Benzo(g,h,i)perylene	ug/kg	1670	1630	98	55-114	
Benzo(k)fluoranthene	ug/kg	1670	1580	95	64-104	
bis(2-Chloroethoxy)methane	ug/kg	1670	1570	94	70-130	
bis(2-Chloroethyl) ether	ug/kg	1670	1470	88	55-130	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1740	104	56-117	
Butylbenzylphthalate	ug/kg	1670	1740	104	57-118	
Carbazole	ug/kg	1670	1820	109	70-125	
Chrysene	ug/kg	1670	1290	77	49-121	
Di-n-butylphthalate	ug/kg	1670	1810	108	68-113	
Di-n-octylphthalate	ug/kg	1670	1670	100	48-123	
Dibenz(a,h)anthracene	ug/kg	1670	1090	65	10-124	
Dibenzofuran	ug/kg	1670	1540	92	67-118	
Diethylphthalate	ug/kg	1670	1730	104	68-117	
Dimethylphthalate	ug/kg	1670	1760	106	68-115	
Fluoranthene	ug/kg	1670	1670	100	72-117	
Fluorene	ug/kg	1670	1630	98	64-123	
Hexachloro-1,3-butadiene	ug/kg	1670	1580	95	62-106	
Hexachlorobenzene	ug/kg	1670	1690	101	70-130	
Hexachlorocyclopentadiene	ug/kg	1670	1080	65	41-114	
Hexachloroethane	ug/kg	1670	1390	83	51-96	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1670	100	47-116	
Isophorone	ug/kg	1670	1500	90	67-130	
N-Nitroso-di-n-propylamine	ug/kg	1670	1450	87	61-130	
N-Nitrosodiphenylamine	ug/kg	1670	1660	100	73-115	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

LABORATORY CONTROL SAMPLE: 1550146

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	1670	1490	89	65-130	
Nitrobenzene	ug/kg	1670	1430	86	64-130	
Pentachlorophenol	ug/kg	1670	1550	93	50-111	
Phenanthrene	ug/kg	1670	1640	98	70-111	
Phenol	ug/kg	1670	1410	84	56-103	
Pyrene	ug/kg	1670	1660	100	69-118	
2,4,6-Tribromophenol (S)	%			103	13-143	
2-Fluorobiphenyl (S)	%			89	18-127	
2-Fluorophenol (S)	%			80	16-103	
Nitrobenzene-d5 (S)	%			88	13-114	
Phenol-d6 (S)	%			84	30-97	
Terphenyl-d14 (S)	%			97	41-109	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1550147 1550148

Parameter	Units	40153864002		MS	MSD	MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
1,2,4-Trichlorobenzene	ug/kg	<0.022 mg/kg	1930	1930	1680	1580	87	82	51-130	6	28		
1,2-Dichlorobenzene	ug/kg	<0.061 mg/kg	1930	1930	1630	1460	84	76	43-130	11	34		
1,3-Dichlorobenzene	ug/kg	<0.027 mg/kg	1930	1930	1630	1440	85	75	39-99	12	34		
1,4-Dichlorobenzene	ug/kg	<0.027 mg/kg	1930	1930	1620	1440	84	74	39-101	12	34		
2,2'-Oxybis(1-chloropropane)	ug/kg	<0.050 mg/kg	1930	1930	1770	1670	92	87	39-105	6	28		
2,4,5-Trichlorophenol	ug/kg	<0.034 mg/kg	1930	1930	969	1080	50	56	34-119	11	39		
2,4,6-Trichlorophenol	ug/kg	<0.029 mg/kg	1930	1930	1110	1180	57	61	41-117	6	33		
2,4-Dichlorophenol	ug/kg	<0.052 mg/kg	1930	1930	1440	1450	74	75	48-99	1	23		
2,4-Dimethylphenol	ug/kg	<0.038 mg/kg	1930	1930	1830	1790	95	93	47-121	2	35		
2,4-Dinitrophenol	ug/kg	<0.059 mg/kg	1930	1930	<58.9	<58.8	0	0	10-72		50	M1	
2,4-Dinitrotoluene	ug/kg	<0.028 mg/kg	1930	1930	1710	1740	89	90	34-131	2	28		
2,6-Dinitrotoluene	ug/kg	<0.037 mg/kg	1930	1930	1740	1850	90	96	37-127	6	23		
2-Chloronaphthalene	ug/kg	<0.025 mg/kg	1930	1930	1620	1630	84	84	51-111	0	20		
2-Chlorophenol	ug/kg	<0.048 mg/kg	1930	1930	1560	1440	81	75	45-130	8	30		
2-Methylnaphthalene	ug/kg	<0.050 mg/kg	1930	1930	1750	1730	90	89	47-130	1	37		
2-Methylphenol(o-Cresol)	ug/kg	<0.035 mg/kg	1930	1930	1680	1610	87	84	46-106	4	32		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154221

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1550147		1550148		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40153864002 Result	MS Spike Conc.	MSD Spike Conc.									
2-Nitroaniline	ug/kg	<0.055 mg/kg	1930	1930	1720	1760	89	91	36-126	3	33		
2-Nitrophenol	ug/kg	<0.061 mg/kg	1930	1930	1620	1580	84	82	29-114	3	33		
3&4-Methylphenol(m&p Cresol)	ug/kg	<0.035 mg/kg	1930	1930	1670	1590	87	82	42-106	5	33		
3,3'-Dichlorobenzidine	ug/kg	<0.052 mg/kg	1930	1930	1610	1730	84	90	10-120	7	50		
3-Nitroaniline	ug/kg	<0.033 mg/kg	1930	1930	1670	1710	86	89	22-125	2	39		
4,6-Dinitro-2-methylphenol	ug/kg	<0.059 mg/kg	1930	1930	348	351	18	18	10-115	1	50		
4-Bromophenylphenyl ether	ug/kg	<0.040 mg/kg	1930	1930	1690	1700	88	88	52-130	0	22		
4-Chloro-3-methylphenol	ug/kg	<0.060 mg/kg	1930	1930	1650	1650	86	86	52-101	0	31		
4-Chloroaniline	ug/kg	<0.032 mg/kg	1930	1930	1630	1560	84	81	26-126	4	41		
4-Chlorophenylphenyl ether	ug/kg	<0.036 mg/kg	1930	1930	1730	1720	90	89	54-116	1	22		
4-Nitroaniline	ug/kg	<0.080 mg/kg	1930	1930	1540	1680	80	87	15-130	8	50		
4-Nitrophenol	ug/kg	<0.049 mg/kg	1930	1930	689	640	36	33	10-118	7	47		
Acenaphthene	ug/kg	<0.068 mg/kg	1930	1930	1670	1710	86	89	46-120	2	31		
Acenaphthylene	ug/kg	<0.069 mg/kg	1930	1930	1650	1690	85	87	50-119	2	30		
Anthracene	ug/kg	<0.031 mg/kg	1930	1930	1940	1950	101	101	40-122	0	38		
Benzo(a)anthracene	ug/kg	<0.030 mg/kg	1930	1930	1710	1720	89	89	43-111	0	41		
Benzo(a)pyrene	ug/kg	<0.029 mg/kg	1930	1930	1700	1730	88	90	46-106	2	43		
Benzo(b)fluoranthene	ug/kg	<0.033 mg/kg	1930	1930	1640	1660	85	86	39-104	1	47		
Benzo(g,h,i)perylene	ug/kg	<0.050 mg/kg	1930	1930	1780	1860	92	96	39-114	4	37		
Benzo(k)fluoranthene	ug/kg	<0.046 mg/kg	1930	1930	1620	1720	84	89	44-104	6	38		
bis(2-Chloroethoxy)methane	ug/kg	<0.052 mg/kg	1930	1930	1790	1760	93	91	49-130	2	20		
bis(2-Chloroethyl) ether	ug/kg	<0.060 mg/kg	1930	1930	1660	1570	86	81	40-130	6	33		
bis(2-Ethylhexyl)phthalate	ug/kg	<0.032 mg/kg	1930	1930	1860	1920	97	99	42-117	3	23		
Butylbenzylphthalate	ug/kg	<0.031 mg/kg	1930	1930	1970	1970	102	102	44-118	0	24		
Carbazole	ug/kg	<0.030 mg/kg	1930	1930	1960	1960	102	102	35-125	0	38		
Chrysene	ug/kg	<0.029 mg/kg	1930	1930	1410	1430	73	74	24-129	2	46		
Di-n-butylphthalate	ug/kg	<0.029 mg/kg	1930	1930	2020	2070	104	107	51-113	2	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1550147		1550148		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40153864002 Result	MS Spike Conc.	MSD Spike Conc.									
Di-n-octylphthalate	ug/kg	<0.043 mg/kg	1930	1930	1770	1820	92	95	32-125	3	32		
Dibenz(a,h)anthracene	ug/kg	<0.052 mg/kg	1930	1930	1020	1200	53	62	10-124	16	33		
Dibenzofuran	ug/kg	<0.023 mg/kg	1930	1930	1660	1690	86	87	48-118	1	27		
Diethylphthalate	ug/kg	<0.032 mg/kg	1930	1930	1920	1960	99	102	54-117	2	32		
Dimethylphthalate	ug/kg	<0.025 mg/kg	1930	1930	1900	1930	98	100	53-115	2	35		
Fluoranthene	ug/kg	<0.027 mg/kg	1930	1930	1890	1880	98	98	41-117	0	41		
Fluorene	ug/kg	<0.023 mg/kg	1930	1930	1790	1830	93	95	46-123	2	36		
Hexachloro-1,3-butadiene	ug/kg	<0.049 mg/kg	1930	1930	1800	1700	94	88	46-106	6	27		
Hexachlorobenzene	ug/kg	<0.032 mg/kg	1930	1930	1710	1700	88	88	51-130	0	22		
Hexachlorocyclopentadiene	ug/kg	<0.046 mg/kg	1930	1930	418	549	22	28	10-118	27	47		
Hexachloroethane	ug/kg	<0.031 mg/kg	1930	1930	1480	1400	77	72	36-96	6	42		
Indeno(1,2,3-cd)pyrene	ug/kg	<0.042 mg/kg	1930	1930	1720	1830	89	95	31-116	6	37		
Isophorone	ug/kg	<0.030 mg/kg	1930	1930	1680	1650	87	86	50-130	1	21		
N-Nitroso-di-n-propylamine	ug/kg	<0.031 mg/kg	1930	1930	1650	1600	85	83	46-130	3	36		
N-Nitrosodiphenylamine	ug/kg	<0.26 mg/kg	1930	1930	1800	1770	93	92	50-117	2	28		
Naphthalene	ug/kg	<0.067 mg/kg	1930	1930	1730	1650	90	86	46-130	5	28		
Nitrobenzene	ug/kg	<0.039 mg/kg	1930	1930	1650	1560	85	81	44-130	5	28		
Pentachlorophenol	ug/kg	<0.043 mg/kg	1930	1930	216	244	11	13	10-119	12	50		
Phenanthrene	ug/kg	<0.025 mg/kg	1930	1930	1830	1820	95	94	42-111	1	45		
Phenol	ug/kg	<0.046 mg/kg	1930	1930	1480	1410	77	73	39-103	5	30		
Pyrene	ug/kg	<0.043 mg/kg	1930	1930	1870	1810	97	94	44-118	3	43		
2,4,6-Tribromophenol (S)	%						71	76	13-143				
2-Fluorobiphenyl (S)	%						83	81	18-127				
2-Fluorophenol (S)	%						74	64	16-103				
Nitrobenzene-d5 (S)	%						85	78	13-114				
Phenol-d6 (S)	%						77	72	30-97				
Terphenyl-d14 (S)	%						88	86	41-109				

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

QC Batch: 263409 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 40154221001, 40154221002, 40154221007

METHOD BLANK: 1550142 Matrix: Water
Associated Lab Samples: 40154221001, 40154221002, 40154221007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<2.0	6.8	08/03/17 12:28	
1,2-Dichlorobenzene	ug/L	<1.9	6.4	08/03/17 12:28	
1,3-Dichlorobenzene	ug/L	<1.9	6.3	08/03/17 12:28	
1,4-Dichlorobenzene	ug/L	<1.9	6.3	08/03/17 12:28	
2,2'-Oxybis(1-chloropropane)	ug/L	<1.5	5.1	08/03/17 12:28	
2,4,5-Trichlorophenol	ug/L	<0.84	2.8	08/03/17 12:28	
2,4,6-Trichlorophenol	ug/L	<2.1	7.0	08/03/17 12:28	
2,4-Dichlorophenol	ug/L	<1.4	4.6	08/03/17 12:28	
2,4-Dimethylphenol	ug/L	<1.3	4.2	08/03/17 12:28	
2,4-Dinitrophenol	ug/L	<0.71	2.4	08/03/17 12:28	
2,4-Dinitrotoluene	ug/L	<0.79	2.6	08/03/17 12:28	
2,6-Dinitrotoluene	ug/L	<0.60	2.0	08/03/17 12:28	
2-Chloronaphthalene	ug/L	<1.6	5.5	08/03/17 12:28	
2-Chlorophenol	ug/L	<1.2	3.9	08/03/17 12:28	
2-Methylnaphthalene	ug/L	<1.5	5.0	08/03/17 12:28	
2-Methylphenol(o-Cresol)	ug/L	<0.87	2.9	08/03/17 12:28	
2-Nitroaniline	ug/L	<0.77	2.6	08/03/17 12:28	
2-Nitrophenol	ug/L	<1.2	3.9	08/03/17 12:28	
3&4-Methylphenol(m&p Cresol)	ug/L	<1.6	5.2	08/03/17 12:28	
3,3'-Dichlorobenzidine	ug/L	<0.91	3.0	08/03/17 12:28	
3-Nitroaniline	ug/L	<0.97	3.2	08/03/17 12:28	
4,6-Dinitro-2-methylphenol	ug/L	<0.65	2.2	08/03/17 12:28	
4-Bromophenylphenyl ether	ug/L	<2.0	6.6	08/03/17 12:28	
4-Chloro-3-methylphenol	ug/L	<1.7	5.6	08/03/17 12:28	
4-Chloroaniline	ug/L	<1.1	3.7	08/03/17 12:28	
4-Chlorophenylphenyl ether	ug/L	<0.82	2.7	08/03/17 12:28	
4-Nitroaniline	ug/L	<1.8	6.1	08/03/17 12:28	
4-Nitrophenol	ug/L	<1.0	3.5	08/03/17 12:28	
Acenaphthene	ug/L	<1.3	4.5	08/03/17 12:28	
Acenaphthylene	ug/L	<1.1	3.5	08/03/17 12:28	
Anthracene	ug/L	<1.8	6.0	08/03/17 12:28	
Benzo(a)anthracene	ug/L	<0.53	1.8	08/03/17 12:28	
Benzo(a)pyrene	ug/L	<1.9	6.3	08/03/17 12:28	
Benzo(b)fluoranthene	ug/L	<0.65	2.2	08/03/17 12:28	
Benzo(g,h,i)perylene	ug/L	<0.81	2.7	08/03/17 12:28	
Benzo(k)fluoranthene	ug/L	<1.0	3.3	08/03/17 12:28	
bis(2-Chloroethoxy)methane	ug/L	<1.0	3.3	08/03/17 12:28	
bis(2-Chloroethyl) ether	ug/L	<1.6	5.3	08/03/17 12:28	
bis(2-Ethylhexyl)phthalate	ug/L	<0.69	2.3	08/03/17 12:28	
Butylbenzylphthalate	ug/L	<0.77	2.6	08/03/17 12:28	
Carbazole	ug/L	<0.75	2.5	08/03/17 12:28	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

METHOD BLANK: 1550142 Matrix: Water
Associated Lab Samples: 40154221001, 40154221002, 40154221007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chrysene	ug/L	<1.7	5.8	08/03/17 12:28	
Di-n-butylphthalate	ug/L	<2.6	8.5	08/03/17 12:28	
Di-n-octylphthalate	ug/L	<1.9	6.3	08/03/17 12:28	
Dibenz(a,h)anthracene	ug/L	<1.3	4.4	08/03/17 12:28	
Dibenzofuran	ug/L	<0.77	2.6	08/03/17 12:28	
Diethylphthalate	ug/L	<1.1	3.6	08/03/17 12:28	
Dimethylphthalate	ug/L	<1.9	6.4	08/03/17 12:28	
Fluoranthene	ug/L	<0.56	1.9	08/03/17 12:28	
Fluorene	ug/L	<0.75	2.5	08/03/17 12:28	
Hexachloro-1,3-butadiene	ug/L	<2.5	8.2	08/03/17 12:28	
Hexachlorobenzene	ug/L	<1.7	5.6	08/03/17 12:28	
Hexachlorocyclopentadiene	ug/L	<0.68	2.3	08/03/17 12:28	
Hexachloroethane	ug/L	<2.7	8.9	08/03/17 12:28	
Indeno(1,2,3-cd)pyrene	ug/L	<1.5	5.0	08/03/17 12:28	
Isophorone	ug/L	<0.73	2.4	08/03/17 12:28	
N-Nitroso-di-n-propylamine	ug/L	<0.97	3.2	08/03/17 12:28	
N-Nitrosodiphenylamine	ug/L	<3.5	11.8	08/03/17 12:28	
Naphthalene	ug/L	<1.9	6.3	08/03/17 12:28	
Nitrobenzene	ug/L	<1.5	4.8	08/03/17 12:28	
Pentachlorophenol	ug/L	<1.4	4.8	08/03/17 12:28	
Phenanthrene	ug/L	<1.8	6.1	08/03/17 12:28	
Phenol	ug/L	<0.60	2.0	08/03/17 12:28	
Pyrene	ug/L	<1.3	4.5	08/03/17 12:28	
2,4,6-Tribromophenol (S)	%	105	65-140	08/03/17 12:28	
2-Fluorobiphenyl (S)	%	79	59-109	08/03/17 12:28	
2-Fluorophenol (S)	%	55	27-67	08/03/17 12:28	
Nitrobenzene-d5 (S)	%	94	53-100	08/03/17 12:28	
Phenol-d6 (S)	%	35	18-120	08/03/17 12:28	
Terphenyl-d14 (S)	%	103	59-108	08/03/17 12:28	

LABORATORY CONTROL SAMPLE & LCSD: 1550143

Parameter	Units	1550144						% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec					
1,2,4-Trichlorobenzene	ug/L	50	46.5	44.3	93	89	66-130	5	20		
1,2-Dichlorobenzene	ug/L	50	41.7	40.4	83	81	50-130	3	20		
1,3-Dichlorobenzene	ug/L	50	39.6	38.7	79	77	42-98	2	21		
1,4-Dichlorobenzene	ug/L	50	40.6	39.3	81	79	44-84	3	20		
2,2'-Oxybis(1-chloropropane)	ug/L	50	50.1	49.2	100	98	58-130	2	20		
2,4,5-Trichlorophenol	ug/L	50	46.4	47.1	93	94	63-127	1	24		
2,4,6-Trichlorophenol	ug/L	50	47.5	47.7	95	95	65-125	1	23		
2,4-Dichlorophenol	ug/L	50	45.5	47.0	91	94	71-104	3	20		
2,4-Dimethylphenol	ug/L	50	39.0	40.3	78	81	40-85	3	29		
2,4-Dinitrophenol	ug/L	50	40.6	40.6	81	81	33-126	0	34		
2,4-Dinitrotoluene	ug/L	50	55.7	53.5	111	107	68-137	4	20		

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154221

LABORATORY CONTROL SAMPLE & LCSD: 1550143		1550144									
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
2,6-Dinitrotoluene	ug/L	50	55.0	53.9	110	108	71-130	2	20		
2-Chloronaphthalene	ug/L	50	47.7	45.8	95	92	70-120	4	20		
2-Chlorophenol	ug/L	50	41.5	44.8	83	90	60-101	8	20		
2-Methylnaphthalene	ug/L	50	50.6	48.0	101	96	70-130	5	20		
2-Methylphenol(o-Cresol)	ug/L	50	37.4	39.5	75	79	54-103	5	20		
2-Nitroaniline	ug/L	50	52.9	51.2	106	102	70-130	3	20		
2-Nitrophenol	ug/L	50	48.1	48.5	96	97	66-111	1	20		
3&4-Methylphenol(m&p Cresol)	ug/L	50	34.9	35.9	70	72	50-95	3	20		
3,3'-Dichlorobenzidine	ug/L	50	38.2	33.1	76	66	37-97	14	26		
3-Nitroaniline	ug/L	50	47.1	49.7	94	99	70-113	5	20		
4,6-Dinitro-2-methylphenol	ug/L	50	51.3	49.3	103	99	49-136	4	25		
4-Bromophenylphenyl ether	ug/L	50	53.6	52.2	107	104	70-130	3	20		
4-Chloro-3-methylphenol	ug/L	50	47.3	47.9	95	96	69-109	1	20		
4-Chloroaniline	ug/L	50	38.5	48.5	77	97	70-125	23	20	R1	
4-Chlorophenylphenyl ether	ug/L	50	52.1	51.7	104	103	70-130	1	20		
4-Nitroaniline	ug/L	50	52.5	50.6	105	101	70-124	4	23		
4-Nitrophenol	ug/L	50	20.3	18.6	41	37	21-130	9	30		
Acenaphthene	ug/L	50	50.5	48.5	101	97	73-118	4	20		
Acenaphthylene	ug/L	50	50.4	48.5	101	97	70-120	4	20		
Anthracene	ug/L	50	56.3	56.5	113	113	70-130	0	20		
Benzo(a)anthracene	ug/L	50	50.3	50.4	101	101	70-130	0	20		
Benzo(a)pyrene	ug/L	50	51.2	50.7	102	101	73-106	1	20		
Benzo(b)fluoranthene	ug/L	50	51.0	51.5	102	103	68-130	1	20		
Benzo(g,h,i)perylene	ug/L	50	51.9	52.7	104	105	60-121	2	20		
Benzo(k)fluoranthene	ug/L	50	51.9	50.3	104	101	62-124	3	20		
bis(2-Chloroethoxy)methane	ug/L	50	52.4	51.0	105	102	70-130	3	20		
bis(2-Chloroethyl) ether	ug/L	50	50.1	49.0	100	98	65-130	2	20		
bis(2-Ethylhexyl)phthalate	ug/L	50	56.1	55.5	112	111	66-123	1	20		
Butylbenzylphthalate	ug/L	50	57.3	56.5	115	113	63-123	1	20		
Carbazole	ug/L	50	59.6	58.3	119	117	70-130	2	20		
Chrysene	ug/L	50	41.5	40.8	83	82	50-127	2	20		
Di-n-butylphthalate	ug/L	50	60.0	58.3	120	117	70-130	3	20		
Di-n-octylphthalate	ug/L	50	52.9	52.2	106	104	53-121	1	23		
Dibenz(a,h)anthracene	ug/L	50	34.2	35.3	68	71	10-130	3	25		
Dibenzofuran	ug/L	50	48.8	47.5	98	95	70-124	3	20		
Diethylphthalate	ug/L	50	56.9	55.6	114	111	70-130	2	20		
Dimethylphthalate	ug/L	50	55.9	55.6	112	111	70-130	1	20		
Fluoranthene	ug/L	50	55.5	53.2	111	106	75-118	4	21		
Fluorene	ug/L	50	53.2	51.1	106	102	70-130	4	20		
Hexachloro-1,3-butadiene	ug/L	50	48.1	46.8	96	94	57-100	3	20		
Hexachlorobenzene	ug/L	50	54.4	52.5	109	105	70-130	4	20		
Hexachlorocyclopentadiene	ug/L	50	23.6	19.3	47	39	19-75	20	29		
Hexachloroethane	ug/L	50	39.8	38.0	80	76	41-130	5	24		
Indeno(1,2,3-cd)pyrene	ug/L	50	50.5	51.2	101	102	43-122	1	26		
Isophorone	ug/L	50	50.2	49.6	100	99	70-130	1	20		
N-Nitroso-di-n-propylamine	ug/L	50	50.0	47.8	100	96	70-130	4	20		
N-Nitrosodiphenylamine	ug/L	50	55.6	53.9	111	108	83-129	3	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154221

Parameter	Units	1550143		1550144			% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec				
Naphthalene	ug/L	50	49.1	46.7	98	93	68-130	5	20	
Nitrobenzene	ug/L	50	47.8	47.0	96	94	70-130	2	20	
Pentachlorophenol	ug/L	50	51.9	52.2	104	104	57-121	1	26	
Phenanthrene	ug/L	50	53.5	51.8	107	104	70-124	3	20	
Phenol	ug/L	50	19.4	19.3	39	39	25-120	1	20	
Pyrene	ug/L	50	52.1	51.6	104	103	70-130	1	21	
2,4,6-Tribromophenol (S)	%				114	112	65-140			
2-Fluorobiphenyl (S)	%				88	90	59-109			
2-Fluorophenol (S)	%				56	60	27-67			
Nitrobenzene-d5 (S)	%				99	97	53-100			
Phenol-d6 (S)	%				38	37	18-120			
Terphenyl-d14 (S)	%				105	105	59-108			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

QC Batch: 263696 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 40154221008

METHOD BLANK: 1552186 Matrix: Water
Associated Lab Samples: 40154221008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<2.0	6.8	08/07/17 14:31	
1,2-Dichlorobenzene	ug/L	<1.9	6.4	08/07/17 14:31	
1,3-Dichlorobenzene	ug/L	<1.9	6.3	08/07/17 14:31	
1,4-Dichlorobenzene	ug/L	<1.9	6.3	08/07/17 14:31	
2,2'-Oxybis(1-chloropropane)	ug/L	<1.5	5.1	08/07/17 14:31	
2,4,5-Trichlorophenol	ug/L	<0.84	2.8	08/07/17 14:31	
2,4,6-Trichlorophenol	ug/L	<2.1	7.0	08/07/17 14:31	
2,4-Dichlorophenol	ug/L	<1.4	4.6	08/07/17 14:31	
2,4-Dimethylphenol	ug/L	<1.3	4.2	08/07/17 14:31	
2,4-Dinitrophenol	ug/L	<0.71	2.4	08/07/17 14:31	
2,4-Dinitrotoluene	ug/L	<0.79	2.6	08/07/17 14:31	
2,6-Dinitrotoluene	ug/L	<0.60	2.0	08/07/17 14:31	
2-Chloronaphthalene	ug/L	<1.6	5.5	08/07/17 14:31	
2-Chlorophenol	ug/L	<1.2	3.9	08/07/17 14:31	
2-Methylnaphthalene	ug/L	<1.5	5.0	08/07/17 14:31	
2-Methylphenol(o-Cresol)	ug/L	<0.87	2.9	08/07/17 14:31	
2-Nitroaniline	ug/L	<0.77	2.6	08/07/17 14:31	
2-Nitrophenol	ug/L	<1.2	3.9	08/07/17 14:31	
3&4-Methylphenol(m&p Cresol)	ug/L	<1.6	5.2	08/07/17 14:31	
3,3'-Dichlorobenzidine	ug/L	<0.91	3.0	08/07/17 14:31	
3-Nitroaniline	ug/L	<0.97	3.2	08/07/17 14:31	
4,6-Dinitro-2-methylphenol	ug/L	<0.65	2.2	08/07/17 14:31	
4-Bromophenylphenyl ether	ug/L	<2.0	6.6	08/07/17 14:31	
4-Chloro-3-methylphenol	ug/L	<1.7	5.6	08/07/17 14:31	
4-Chloroaniline	ug/L	<1.1	3.7	08/07/17 14:31	
4-Chlorophenylphenyl ether	ug/L	<0.82	2.7	08/07/17 14:31	
4-Nitroaniline	ug/L	<1.8	6.1	08/07/17 14:31	
4-Nitrophenol	ug/L	<1.0	3.5	08/07/17 14:31	
Acenaphthene	ug/L	<1.3	4.5	08/07/17 14:31	
Acenaphthylene	ug/L	<1.1	3.5	08/07/17 14:31	
Anthracene	ug/L	<1.8	6.0	08/07/17 14:31	
Benzo(a)anthracene	ug/L	<0.53	1.8	08/07/17 14:31	
Benzo(a)pyrene	ug/L	<1.9	6.3	08/07/17 14:31	
Benzo(b)fluoranthene	ug/L	<0.65	2.2	08/07/17 14:31	
Benzo(g,h,i)perylene	ug/L	<0.81	2.7	08/07/17 14:31	
Benzo(k)fluoranthene	ug/L	<1.0	3.3	08/07/17 14:31	
bis(2-Chloroethoxy)methane	ug/L	<1.0	3.3	08/07/17 14:31	
bis(2-Chloroethyl) ether	ug/L	<1.6	5.3	08/07/17 14:31	
bis(2-Ethylhexyl)phthalate	ug/L	<0.69	2.3	08/07/17 14:31	
Butylbenzylphthalate	ug/L	<0.77	2.6	08/07/17 14:31	
Carbazole	ug/L	<0.75	2.5	08/07/17 14:31	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

METHOD BLANK: 1552186 Matrix: Water
Associated Lab Samples: 40154221008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chrysene	ug/L	<1.7	5.8	08/07/17 14:31	
Di-n-butylphthalate	ug/L	<2.6	8.5	08/07/17 14:31	
Di-n-octylphthalate	ug/L	<1.9	6.3	08/07/17 14:31	
Dibenz(a,h)anthracene	ug/L	<1.3	4.4	08/07/17 14:31	
Dibenzofuran	ug/L	<0.77	2.6	08/07/17 14:31	
Diethylphthalate	ug/L	<1.1	3.6	08/07/17 14:31	
Dimethylphthalate	ug/L	<1.9	6.4	08/07/17 14:31	
Fluoranthene	ug/L	<0.56	1.9	08/07/17 14:31	
Fluorene	ug/L	<0.75	2.5	08/07/17 14:31	
Hexachloro-1,3-butadiene	ug/L	<2.5	8.2	08/07/17 14:31	
Hexachlorobenzene	ug/L	<1.7	5.6	08/07/17 14:31	
Hexachlorocyclopentadiene	ug/L	<0.68	2.3	08/07/17 14:31	
Hexachloroethane	ug/L	<2.7	8.9	08/07/17 14:31	
Indeno(1,2,3-cd)pyrene	ug/L	<1.5	5.0	08/07/17 14:31	
Isophorone	ug/L	<0.73	2.4	08/07/17 14:31	
N-Nitroso-di-n-propylamine	ug/L	<0.97	3.2	08/07/17 14:31	
N-Nitrosodiphenylamine	ug/L	<3.5	11.8	08/07/17 14:31	
Naphthalene	ug/L	<1.9	6.3	08/07/17 14:31	
Nitrobenzene	ug/L	<1.5	4.8	08/07/17 14:31	
Pentachlorophenol	ug/L	<1.4	4.8	08/07/17 14:31	
Phenanthrene	ug/L	<1.8	6.1	08/07/17 14:31	
Phenol	ug/L	<0.60	2.0	08/07/17 14:31	
Pyrene	ug/L	<1.3	4.5	08/07/17 14:31	
2,4,6-Tribromophenol (S)	%	98	65-140	08/07/17 14:31	
2-Fluorobiphenyl (S)	%	85	59-109	08/07/17 14:31	
2-Fluorophenol (S)	%	57	27-67	08/07/17 14:31	
Nitrobenzene-d5 (S)	%	95	53-100	08/07/17 14:31	
Phenol-d6 (S)	%	38	18-120	08/07/17 14:31	
Terphenyl-d14 (S)	%	98	59-108	08/07/17 14:31	

LABORATORY CONTROL SAMPLE & LCSD: 1552187		1552188									
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
1,2,4-Trichlorobenzene	ug/L	50	43.4	40.2	87	80	66-130	8	20		
1,2-Dichlorobenzene	ug/L	50	37.8	33.8	76	68	50-130	11	20		
1,3-Dichlorobenzene	ug/L	50	35.4	32.5	71	65	42-98	9	21		
1,4-Dichlorobenzene	ug/L	50	36.4	33.2	73	66	44-84	9	20		
2,2'-Oxybis(1-chloropropane)	ug/L	50	47.1	43.1	94	86	58-130	9	20		
2,4,5-Trichlorophenol	ug/L	50	46.0	45.4	92	91	63-127	1	24		
2,4,6-Trichlorophenol	ug/L	50	47.3	46.2	95	92	65-125	2	23		
2,4-Dichlorophenol	ug/L	50	45.1	45.7	90	91	71-104	1	20		
2,4-Dimethylphenol	ug/L	50	33.9	36.7	68	73	40-85	8	29		
2,4-Dinitrophenol	ug/L	50	40.4	38.6	81	77	33-126	5	34		
2,4-Dinitrotoluene	ug/L	50	51.4	48.2	103	96	68-137	6	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154221

LABORATORY CONTROL SAMPLE & LCSD: 1552187		1552188									
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
2,6-Dinitrotoluene	ug/L	50	52.8	49.6	106	99	71-130	6	20		
2-Chloronaphthalene	ug/L	50	46.7	44.5	93	89	70-120	5	20		
2-Chlorophenol	ug/L	50	41.5	43.2	83	86	60-101	4	20		
2-Methylnaphthalene	ug/L	50	47.2	44.9	94	90	70-130	5	20		
2-Methylphenol(o-Cresol)	ug/L	50	37.1	39.0	74	78	54-103	5	20		
2-Nitroaniline	ug/L	50	51.3	46.7	103	93	70-130	9	20		
2-Nitrophenol	ug/L	50	46.9	47.0	94	94	66-111	0	20		
3&4-Methylphenol(m&p Cresol)	ug/L	50	33.1	34.2	66	68	50-95	3	20		
3,3'-Dichlorobenzidine	ug/L	50	35.1	33.4	70	67	37-97	5	26		
3-Nitroaniline	ug/L	50	49.0	45.8	98	92	70-113	7	20		
4,6-Dinitro-2-methylphenol	ug/L	50	48.8	48.2	98	96	49-136	1	25		
4-Bromophenylphenyl ether	ug/L	50	51.9	51.1	104	102	70-130	2	20		
4-Chloro-3-methylphenol	ug/L	50	45.4	45.9	91	92	69-109	1	20		
4-Chloroaniline	ug/L	50	46.7	45.1	93	90	70-125	3	20		
4-Chlorophenylphenyl ether	ug/L	50	48.5	46.3	97	93	70-130	5	20		
4-Nitroaniline	ug/L	50	49.2	44.8	98	90	70-124	9	23		
4-Nitrophenol	ug/L	50	21.4	17.6	43	35	21-130	20	30		
Acenaphthene	ug/L	50	48.4	45.7	97	91	73-118	6	20		
Acenaphthylene	ug/L	50	48.1	45.3	96	91	70-120	6	20		
Anthracene	ug/L	50	53.7	53.1	107	106	70-130	1	20		
Benzo(a)anthracene	ug/L	50	48.6	46.2	97	92	70-130	5	20		
Benzo(a)pyrene	ug/L	50	49.2	45.2	98	90	73-106	8	20		
Benzo(b)fluoranthene	ug/L	50	49.5	45.7	99	91	68-130	8	20		
Benzo(g,h,i)perylene	ug/L	50	51.9	48.0	104	96	60-121	8	20		
Benzo(k)fluoranthene	ug/L	50	48.5	46.4	97	93	62-124	4	20		
bis(2-Chloroethoxy)methane	ug/L	50	50.8	48.2	102	96	70-130	5	20		
bis(2-Chloroethyl) ether	ug/L	50	47.4	43.9	95	88	65-130	8	20		
bis(2-Ethylhexyl)phthalate	ug/L	50	55.3	50.7	111	101	66-123	9	20		
Butylbenzylphthalate	ug/L	50	57.1	52.9	114	106	63-123	8	20		
Carbazole	ug/L	50	56.2	53.4	112	107	70-130	5	20		
Chrysene	ug/L	50	39.3	37.8	79	76	50-127	4	20		
Di-n-butylphthalate	ug/L	50	58.7	55.2	117	110	70-130	6	20		
Di-n-octylphthalate	ug/L	50	52.9	47.9	106	96	53-121	10	23		
Dibenz(a,h)anthracene	ug/L	50	33.9	30.4	68	61	10-130	11	25		
Dibenzofuran	ug/L	50	46.3	44.8	93	90	70-124	3	20		
Diethylphthalate	ug/L	50	54.1	51.5	108	103	70-130	5	20		
Dimethylphthalate	ug/L	50	53.4	52.6	107	105	70-130	2	20		
Fluoranthene	ug/L	50	52.7	49.8	105	100	75-118	6	21		
Fluorene	ug/L	50	49.6	47.3	99	95	70-130	5	20		
Hexachloro-1,3-butadiene	ug/L	50	43.6	41.1	87	82	57-100	6	20		
Hexachlorobenzene	ug/L	50	51.6	49.9	103	100	70-130	3	20		
Hexachlorocyclopentadiene	ug/L	50	22.4	19.6	45	39	19-75	13	29		
Hexachloroethane	ug/L	50	34.6	31.1	69	62	41-130	10	24		
Indeno(1,2,3-cd)pyrene	ug/L	50	51.8	46.9	104	94	43-122	10	26		
Isophorone	ug/L	50	48.6	45.6	97	91	70-130	6	20		
N-Nitroso-di-n-propylamine	ug/L	50	46.0	42.2	92	84	70-130	9	20		
N-Nitrosodiphenylamine	ug/L	50	53.2	54.2	106	108	83-129	2	20		

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154221

Parameter	Units	LABORATORY CONTROL SAMPLE & LCSD: 1552187		1552188			% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec				
Naphthalene	ug/L	50	46.2	43.7	92	87	68-130	6	20	
Nitrobenzene	ug/L	50	46.9	43.9	94	88	70-130	7	20	
Pentachlorophenol	ug/L	50	49.3	46.4	99	93	57-121	6	26	
Phenanthrene	ug/L	50	50.6	49.3	101	99	70-124	3	20	
Phenol	ug/L	50	20.0	18.2	40	36	25-120	9	20	
Pyrene	ug/L	50	52.3	50.4	105	101	70-130	4	21	
2,4,6-Tribromophenol (S)	%				103	98	65-140			
2-Fluorobiphenyl (S)	%				88	80	59-109			
2-Fluorophenol (S)	%				56	57	27-67			
Nitrobenzene-d5 (S)	%				93	86	53-100			
Phenol-d6 (S)	%				38	34	18-120			
Terphenyl-d14 (S)	%				103	101	59-108			

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

QC Batch: 263450 Analysis Method: EPA 8270 by HVI
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by HVI
Associated Lab Samples: 40154221003, 40154221004, 40154221005

METHOD BLANK: 1550326 Matrix: Water
Associated Lab Samples: 40154221003, 40154221004, 40154221005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0059	0.030	08/03/17 16:04	
2-Methylnaphthalene	ug/L	<0.0049	0.024	08/03/17 16:04	
Acenaphthene	ug/L	<0.0061	0.030	08/03/17 16:04	
Acenaphthylene	ug/L	<0.0050	0.025	08/03/17 16:04	
Anthracene	ug/L	<0.010	0.052	08/03/17 16:04	
Benzo(a)anthracene	ug/L	<0.0076	0.038	08/03/17 16:04	
Benzo(a)pyrene	ug/L	<0.011	0.053	08/03/17 16:04	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	08/03/17 16:04	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	08/03/17 16:04	
Benzo(k)fluoranthene	ug/L	<0.0076	0.038	08/03/17 16:04	
Chrysene	ug/L	<0.013	0.065	08/03/17 16:04	
Dibenz(a,h)anthracene	ug/L	<0.010	0.050	08/03/17 16:04	
Fluoranthene	ug/L	<0.011	0.053	08/03/17 16:04	
Fluorene	ug/L	<0.0080	0.040	08/03/17 16:04	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	08/03/17 16:04	
Naphthalene	ug/L	<0.018	0.092	08/03/17 16:04	
Phenanthrene	ug/L	<0.014	0.069	08/03/17 16:04	
Pyrene	ug/L	0.0089J	0.038	08/03/17 16:04	
2-Fluorobiphenyl (S)	%	42	35-84	08/03/17 16:04	
Terphenyl-d14 (S)	%	63	10-129	08/03/17 16:04	

LABORATORY CONTROL SAMPLE: 1550327

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.2	60	39-83	
2-Methylnaphthalene	ug/L	2	1.2	59	38-86	
Acenaphthene	ug/L	2	1.2	60	35-85	
Acenaphthylene	ug/L	2	1.1	57	31-88	
Anthracene	ug/L	2	1.4	69	47-104	
Benzo(a)anthracene	ug/L	2	1.3	67	36-105	
Benzo(a)pyrene	ug/L	2	1.7	86	69-117	
Benzo(b)fluoranthene	ug/L	2	1.5	77	54-107	
Benzo(g,h,i)perylene	ug/L	2	0.70	35	13-86	
Benzo(k)fluoranthene	ug/L	2	1.8	92	63-128	
Chrysene	ug/L	2	2.0	102	69-150	
Dibenz(a,h)anthracene	ug/L	2	0.60	30	10-87	
Fluoranthene	ug/L	2	1.5	75	57-103	
Fluorene	ug/L	2	1.2	62	38-85	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.1	56	40-111	
Naphthalene	ug/L	2	1.2	58	39-82	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154221

LABORATORY CONTROL SAMPLE: 1550327

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	2	1.4	68	46-96	
Pyrene	ug/L	2	1.7	86	57-110	
2-Fluorobiphenyl (S)	%			55	35-84	
Terphenyl-d14 (S)	%			82	10-129	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1550362 1550363

Parameter	Units	40154178001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
1-Methylnaphthalene	ug/L	<0.0059	2	2	1.0	1.0	52	52	27-86	0	29		
2-Methylnaphthalene	ug/L	<0.0049	2	2	1.0	1.0	51	51	30-86	1	35		
Acenaphthene	ug/L	<0.000006 1 mg/L	2	2	1.1	1.1	56	55	28-85	2	29		
Acenaphthylene	ug/L	<0.000005 0 mg/L	2	2	1.0	1.0	52	52	27-88	0	29		
Anthracene	ug/L	<0.000010 mg/L	2	2	1.2	1.2	59	61	38-104	2	35		
Benzo(a)anthracene	ug/L	<0.000007 6 mg/L	2	2	1.1	1.2	56	58	10-105	3	28		
Benzo(a)pyrene	ug/L	<0.000011 mg/L	2	2	1.3	1.3	65	64	10-130	2	26		
Benzo(b)fluoranthene	ug/L	<0.000005 7 mg/L	2	2	1.3	1.2	63	60	10-115	4	25		
Benzo(g,h,i)perylene	ug/L	<0.000006 8 mg/L	2	2	0.55	0.55	27	28	10-87	1	42		
Benzo(k)fluoranthene	ug/L	<0.000007 6 mg/L	2	2	1.2	1.4	62	69	10-133	11	25		
Chrysene	ug/L	<0.000013 mg/L	2	2	1.7	1.7	87	86	17-150	1	24		
Dibenz(a,h)anthracene	ug/L	<0.000010 mg/L	2	2	0.54	0.53	27	26	10-89	2	49		
Fluoranthene	ug/L	<0.000011 mg/L	2	2	1.3	1.3	66	63	41-103	4	32		
Fluorene	ug/L	<0.000008 0 mg/L	2	2	1.1	1.1	57	54	32-85	5	28		
Indeno(1,2,3-cd)pyrene	ug/L	<0.000018 mg/L	2	2	0.69	0.71	34	36	10-111	4	37		
Naphthalene	ug/L	<0.000018 mg/L	2	2	1.1	1.1	54	53	23-88	2	28		
Phenanthrene	ug/L	<0.000014 mg/L	2	2	1.2	1.2	61	59	33-96	3	25		
Pyrene	ug/L	0.000010J mg/L	2	2	1.6	1.4	79	72	38-110	9	28		
2-Fluorobiphenyl (S)	%						52	50	35-84				
Terphenyl-d14 (S)	%						74	68	10-129				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

QC Batch: 263553 Analysis Method: EPA 8270 by HVI
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by HVI
Associated Lab Samples: 40154221006, 40154221009

METHOD BLANK: 1551342 Matrix: Water
Associated Lab Samples: 40154221006, 40154221009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0059	0.030	08/04/17 13:27	
2-Methylnaphthalene	ug/L	<0.0049	0.024	08/04/17 13:27	
Acenaphthene	ug/L	<0.0061	0.030	08/04/17 13:27	
Acenaphthylene	ug/L	<0.0050	0.025	08/04/17 13:27	
Anthracene	ug/L	<0.010	0.052	08/04/17 13:27	
Benzo(a)anthracene	ug/L	<0.0076	0.038	08/04/17 13:27	
Benzo(a)pyrene	ug/L	<0.011	0.053	08/04/17 13:27	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	08/04/17 13:27	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	08/04/17 13:27	
Benzo(k)fluoranthene	ug/L	<0.0076	0.038	08/04/17 13:27	
Chrysene	ug/L	<0.013	0.065	08/04/17 13:27	
Dibenz(a,h)anthracene	ug/L	<0.010	0.050	08/04/17 13:27	
Fluoranthene	ug/L	<0.011	0.053	08/04/17 13:27	
Fluorene	ug/L	<0.0080	0.040	08/04/17 13:27	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	08/04/17 13:27	
Naphthalene	ug/L	<0.018	0.092	08/04/17 13:27	
Phenanthrene	ug/L	<0.014	0.069	08/04/17 13:27	
Pyrene	ug/L	0.010J	0.038	08/04/17 13:27	
2-Fluorobiphenyl (S)	%	31	35-84	08/04/17 13:27	S0
Terphenyl-d14 (S)	%	58	10-129	08/04/17 13:27	

LABORATORY CONTROL SAMPLE & LCSD: 1551343 1551344

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	2	1.3	1.2	65	58	39-83	11	29	
2-Methylnaphthalene	ug/L	2	1.2	1.2	62	60	38-86	2	32	
Acenaphthene	ug/L	2	1.3	1.3	65	64	35-85	1	27	
Acenaphthylene	ug/L	2	1.3	1.3	66	66	31-88	0	29	
Anthracene	ug/L	2	1.6	1.1	81	57	47-104	36	25	R1
Benzo(a)anthracene	ug/L	2	1.3	1.3	67	67	36-105	0	20	
Benzo(a)pyrene	ug/L	2	1.8	1.7	89	86	69-117	4	20	
Benzo(b)fluoranthene	ug/L	2	1.6	1.6	79	81	54-107	3	22	
Benzo(g,h,i)perylene	ug/L	2	0.71	0.74	35	37	13-86	5	33	
Benzo(k)fluoranthene	ug/L	2	1.9	1.8	93	91	63-128	2	20	
Chrysene	ug/L	2	2.0	2.1	101	103	69-150	2	20	
Dibenz(a,h)anthracene	ug/L	2	0.59	0.66	30	33	10-87	10	37	
Fluoranthene	ug/L	2	1.6	1.5	79	73	57-103	7	20	
Fluorene	ug/L	2	1.2	1.2	62	61	38-85	3	28	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.2	1.2	61	59	40-111	4	22	
Naphthalene	ug/L	2	1.3	1.3	63	63	39-82	0	28	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154221

LABORATORY CONTROL SAMPLE & LCSD:		1551343		1551344							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
Phenanthrene	ug/L	2	1.4	1.3	68	65	46-96	5	25		
Pyrene	ug/L	2	1.6	1.6	80	82	57-110	2	20		
2-Fluorobiphenyl (S)	%				60	60	35-84				
Terphenyl-d14 (S)	%				79	80	10-129				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154221

QC Batch: 263348 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40154221015, 40154221016, 40154221017, 40154221018, 40154221019, 40154221020

SAMPLE DUPLICATE: 1549641

Parameter	Units	40154146003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.5	7.5	1	10	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
 Pace Project No.: 40154221

QC Batch: 263800 Analysis Method: ASTM D2974-87
 QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
 Associated Lab Samples: 40154221010, 40154221011, 40154221012, 40154221013

SAMPLE DUPLICATE: 1552545

Parameter	Units	40154560001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.3	18.0	2	10	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154221

QC Batch: 263837

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40154221014

SAMPLE DUPLICATE: 1552704

Parameter	Units	40154252003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.0	15.5	3	10	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 0403363 KRAFT

Pace Project No.: 40154221

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: 263499

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 263639

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

[1] The 2-fluorobiphenyl surrogate recovery was below limits in the MB [Method Blank]. The samples could not be re-extracted within hold times.

Batch: 263780

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 263918

[IP] Benzo(b)fluoranthene and benzo(k)fluoranthene were in the check standard but did not meet the resolution criteria in SW846 Method 8270C. Whereas sample results included are reported as individual isomers, the lab and the customer must recognize them as an isomeric pair.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 0403363 KRAFT

Pace Project No.: 40154221

ANALYTE QUALIFIERS

R1	RPD value was outside control limits.
S0	Surrogate recovery outside laboratory control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
W	Non-detect results are reported on a wet weight basis.
pH	Post-analysis pH measurement indicates insufficient VOA sample preservation.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0403363 KRAFT

Pace Project No.: 40154221

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40154221010	SB-14 3-4	EPA 3541	263757	EPA 8082	263760
40154221011	SB-15 5-7	EPA 3541	263757	EPA 8082	263760
40154221014	SB-19 1.5-2	EPA 3541	263757	EPA 8082	263760
40154221016	SB-23 2-2.5	EPA 3541	263757	EPA 8082	263760
40154221020	SB-20 3-4	EPA 3541	263757	EPA 8082	263760
40154221010	SB-14 3-4	EPA 3050	263344	EPA 6010	263519
40154221011	SB-15 5-7	EPA 3050	263344	EPA 6010	263519
40154221012	SB-13 1.5-2	EPA 3050	263344	EPA 6010	263519
40154221013	SB-18 4-5	EPA 3050	263344	EPA 6010	263519
40154221014	SB-19 1.5-2	EPA 3050	263344	EPA 6010	263519
40154221015	SB-11 4-5	EPA 3050	263344	EPA 6010	263519
40154221016	SB-23 2-2.5	EPA 3050	263344	EPA 6010	263519
40154221017	SB-22 4-5	EPA 3050	263344	EPA 6010	263519
40154221018	SB-3 8-10	EPA 3050	263344	EPA 6010	263519
40154221019	SB-1 1-1.5	EPA 3050	263344	EPA 6010	263519
40154221020	SB-20 3-4	EPA 3050	263344	EPA 6010	263519
40154221001	SB-14-S	EPA 3010	263496	EPA 6010	263578
40154221002	SB-15-S	EPA 3010	263496	EPA 6010	263578
40154221003	SB-13-S	EPA 3010	263496	EPA 6010	263578
40154221004	SB-18-S	EPA 3010	263496	EPA 6010	263578
40154221005	SB-10-S	EPA 3010	263496	EPA 6010	263578
40154221006	SB-11-S	EPA 3010	263496	EPA 6010	263578
40154221007	SB-19-S	EPA 3010	263496	EPA 6010	263578
40154221008	SB-23-S	EPA 3010	263496	EPA 6010	263578
40154221009	SB-22-S	EPA 3010	263496	EPA 6010	263578
40154221001	SB-14-S	EPA 7470	263725	EPA 7470	263775
40154221002	SB-15-S	EPA 7470	263725	EPA 7470	263775
40154221007	SB-19-S	EPA 7470	263725	EPA 7470	263775
40154221008	SB-23-S	EPA 7470	263725	EPA 7470	263775
40154221010	SB-14 3-4	EPA 7471	264416	EPA 7471	264455
40154221011	SB-15 5-7	EPA 7471	264416	EPA 7471	264455
40154221014	SB-19 1.5-2	EPA 7471	264416	EPA 7471	264455
40154221016	SB-23 2-2.5	EPA 7471	264416	EPA 7471	264455
40154221020	SB-20 3-4	EPA 7471	264416	EPA 7471	264455
40154221012	SB-13 1.5-2	EPA 3546	263824	EPA 8270 by SIM	263918
40154221013	SB-18 4-5	EPA 3546	263824	EPA 8270 by SIM	263918
40154221015	SB-11 4-5	EPA 3546	263824	EPA 8270 by SIM	263918
40154221017	SB-22 4-5	EPA 3546	264121	EPA 8270 by SIM	264181
40154221018	SB-3 8-10	EPA 3546	264121	EPA 8270 by SIM	264181
40154221019	SB-1 1-1.5	EPA 3546	264121	EPA 8270 by SIM	264181
40154221010	SB-14 3-4	EPA 3546	263410	EPA 8270	263457
40154221011	SB-15 5-7	EPA 3546	263410	EPA 8270	263457
40154221014	SB-19 1.5-2	EPA 3546	263410	EPA 8270	263457
40154221016	SB-23 2-2.5	EPA 3546	263410	EPA 8270	263457
40154221020	SB-20 3-4	EPA 3546	263410	EPA 8270	263457

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0403363 KRAFT

Pace Project No.: 40154221

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40154221001	SB-14-S	EPA 3510	263409	EPA 8270	263499
40154221002	SB-15-S	EPA 3510	263409	EPA 8270	263499
40154221007	SB-19-S	EPA 3510	263409	EPA 8270	263499
40154221008	SB-23-S	EPA 3510	263696	EPA 8270	263780
40154221003	SB-13-S	EPA 3510	263450	EPA 8270 by HVI	263511
40154221004	SB-18-S	EPA 3510	263450	EPA 8270 by HVI	263511
40154221005	SB-10-S	EPA 3510	263450	EPA 8270 by HVI	263511
40154221006	SB-11-S	EPA 3510	263553	EPA 8270 by HVI	263639
40154221009	SB-22-S	EPA 3510	263553	EPA 8270 by HVI	263639
40154221010	SB-14 3-4	EPA 5035/5030B	263623	EPA 8260	263626
40154221011	SB-15 5-7	EPA 5035/5030B	263456	EPA 8260	263460
40154221012	SB-13 1.5-2	EPA 5035/5030B	263456	EPA 8260	263460
40154221013	SB-18 4-5	EPA 5035/5030B	263456	EPA 8260	263460
40154221014	SB-19 1.5-2	EPA 5035/5030B	263456	EPA 8260	263460
40154221015	SB-11 4-5	EPA 5035/5030B	263456	EPA 8260	263460
40154221016	SB-23 2-2.5	EPA 5035/5030B	263456	EPA 8260	263460
40154221017	SB-22 4-5	EPA 5035/5030B	263623	EPA 8260	263626
40154221018	SB-3 8-10	EPA 5035/5030B	263623	EPA 8260	263626
40154221019	SB-1 1-1.5	EPA 5035/5030B	263623	EPA 8260	263626
40154221020	SB-20 3-4	EPA 5035/5030B	263623	EPA 8260	263626
40154221001	SB-14-S	EPA 8260	263312		
40154221002	SB-15-S	EPA 8260	263312		
40154221003	SB-13-S	EPA 8260	263312		
40154221004	SB-18-S	EPA 8260	263312		
40154221005	SB-10-S	EPA 8260	263312		
40154221006	SB-11-S	EPA 8260	263419		
40154221007	SB-19-S	EPA 8260	263419		
40154221008	SB-23-S	EPA 8260	263419		
40154221009	SB-22-S	EPA 8260	263419		
40154221021	TRIP BLANK	EPA 8260	263419		
40154221010	SB-14 3-4	ASTM D2974-87	263800		
40154221011	SB-15 5-7	ASTM D2974-87	263800		
40154221012	SB-13 1.5-2	ASTM D2974-87	263800		
40154221013	SB-18 4-5	ASTM D2974-87	263800		
40154221014	SB-19 1.5-2	ASTM D2974-87	263837		
40154221015	SB-11 4-5	ASTM D2974-87	263348		
40154221016	SB-23 2-2.5	ASTM D2974-87	263348		
40154221017	SB-22 4-5	ASTM D2974-87	263348		
40154221018	SB-3 8-10	ASTM D2974-87	263348		
40154221019	SB-1 1-1.5	ASTM D2974-87	263348		
40154221020	SB-20 3-4	ASTM D2974-87	263348		

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(Please Print Clearly)

Company Name: ERM
 Branch/Location: Wadsworth
 Project Contact: Andrew Dewitt
 Phone: 616-443-8034
 Project Number: 0903363
 Project Name: Kraft
 Project State: MS
 Sampled By (Print): Andrew Dewitt
 Sampled By (Sign): [Signature]
 PO #: _____

Regulatory Program: _____
 Matrix Codes:
 A = Air, B = Bids, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

Y/N	Pick Letter	ANALYSES REQUESTED
A	D	SVOCs
B	A	metals
B	A	VOCs
D	A	PAH
D	A	Lead
		PCBs

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: Andrew Dewitt
 Invoice To Company: _____
 Invoice To Address: Andrew.Dewitt@erm.com

CHAIN OF CUSTODY

Preservation Codes:
 A=None, B=HCl, C=H2SO4, D=HNO3, E=DI Water, F=Methanol, G=NaOH
 H=Sodium Bisulfate Solution, I=Sodium Thiosulfate, J=Other

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Data Package Options (billable)		MS/MSD (billable)		DATE	TIME	MATRIX	ANALYSES REQUESTED	Y/N	PICK LETTER	INVOICE TO CONTACT	INVOICE TO COMPANY	INVOICE TO ADDRESS	INVOICE TO PHONE	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	PROFILE #
					<input type="checkbox"/> EPA Level III	<input type="checkbox"/> EPA Level IV	<input type="checkbox"/> On your sample	<input type="checkbox"/> NOT needed on your sample													
001	SB-14-S	7/28/12	14:10	GW					7/28/12	14:10	GW										
002	SB-15-S	7/28/12	14:45	GW					7/28/12	14:45	GW										
003	SB-13-S	7/28/12	15:20	GW					7/28/12	15:20	GW										
004	SB-18-S	7/28/12	16:20	GW					7/28/12	16:20	GW										
005	SB-10-S	7/28/12	17:10	GW					7/28/12	17:10	GW										
006	SB-11-S	7/21/12	9:15	GW					7/21/12	9:15	GW										
007	SB-19-S	7/31/12	12:00	GW					7/31/12	12:00	GW										
008	SB-23-S	7/31/12	10:40	GW					7/31/12	10:40	GW										
009	SB-22-S	7/31/12	12:05	GW					7/31/12	12:05	GW										
010	SB-14	3-4		S					7/28/12	14:05	S										
011	SB-15	5-7		S					7/28/12	14:25	S										
012	SB-13	1.5-2		S					7/28/12	14:50	S										
013	SB-18	4-5		S					7/28/12	16:20	S										

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed: _____
 Transmittal Prelim Rush Results by (complete what you want):
 Email #1: _____
 Email #2: _____
 Telephone: _____
 Fax: _____

Relinquished By: [Signature] Date/Time: 7/31/12 2:00
 Relinquished By: [Signature] Date/Time: 8-17-12 08:55
 Relinquished By: _____ Date/Time: _____

Received By: [Signature] Date/Time: _____
 Received By: [Signature] Date/Time: _____
 Received By: _____ Date/Time: _____

PACE Project No. 4015422
 Receipt Temp = POI
 Sample Receipt pH OK
 Copier Custody Seal Present / Not Present Intact / Not Intact



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CHAIN OF CUSTODY

A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

Page 1 of

Quote #:

40154221

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

FILTERED?
 (YES/NO)
 PRESERVATION
 (CODE)

Company Name: _____
 Branch/Location: _____
 Project Contact: _____
 Phone: _____
 Project Number: _____
 Project Name: _____
 Project State: _____
 Sampled By (Print): _____
 Sampled By (Sign): _____
 PO #: _____

Regulatory Program:

Data Package Options
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipes

PACE LAB # CLIENT FIELD ID

Analyses Requested

Y/N	Pick Letter	
X		VOCs
X		SUOCs
X		metals/moisture
X		PUB's
X		Lead
X		PH

Date/Time: _____
 Received By: _____
 Date/Time: _____
 Relinquished By: _____
 Date/Time: _____

DATE	TIME	MATRIX	DATE	TIME	MATRIX
7/31/17	9:30	S	8/1/17	14:02	F
7/31/17	8:55	S	8/1/17	14:02	F
7/31/17	1:00	S	8/1/17	14:02	F
7/31/17	11:45	S	8/1/17	14:02	F
7/31/17	11:58	S	8/1/17	14:02	F
8/1/17	12:58	S	8/1/17	14:02	F
8/1/17	12:15	S	8/1/17	14:02	F

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)

Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:

Email #2:

Telephone:

Fax:

Samples on HOLD are subject to special pricing and release of liability

PACE Project No.

40154221

Receipt Temp = ROTe

Sample Receipt pH

OR Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

C019427 Jun 2006

DFI shipment Lab added to COC 8/1/17

ORIGINAL

Sample Condition Upon Receipt

Pace Analytical Services, LLC. - Green Bay WI
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical™
Client Name: ERM

Project #: **WO# : 40154221**

Courier: Fed Ex UPS Client Pace Other: CS Logistics
Tracking #: 1673072817



Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used: N/A Type of Ice: Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature: Uncorr: ROI / Corr: _____ Biological Tissue is Frozen: yes no

Temp Blank Present: yes no no

Person examining contents:
Date: 8-1-17
Initials: SW

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. Original and a copy 8-1-17
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2. 1st page only 8-1-17 SW
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. 1st page only 8-1-17 SW
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4. 1st page only 8-1-17 SW
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8. No MS/MSD Volume 8-1-17 SW
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>SW</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	004- HNO3 PH 7 added 2.50mls PH 5.2 after 8-1-17 SW
(HNO3, H2SO4, NaOH+ZnAct ≥9, NaOH ≥12) exceptions: <u>VOA</u> , coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed: <u>SW</u> Lab Std #ID of preservative: <u>172543</u> Date/Time: <u>8-1-17 1117</u>
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15. In shipment Lab added to COC. 8-1-17 SW
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: * 2nd COC missing sample numbers (014-021) Added by PC Angie 8/1/17

Project Manager Review: AL for DM

Date: 8-1-17

August 16, 2017

Andrew DeWitt
ERM, Inc.
3352 128th Avenue
Holland, MI 49424

RE: Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154392

Dear Andrew DeWitt:

Enclosed are the analytical results for sample(s) received by the laboratory on August 03, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Carl Stay, ERM, Inc.
David deCourcy-Bower, ERM, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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SAMPLE SUMMARY

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154392

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40154392001	SB-47-S	Water	08/01/17 14:30	08/03/17 09:25
40154392002	SB-45-S	Water	08/02/17 08:20	08/03/17 09:25
40154392003	SB-46-S	Water	08/02/17 09:00	08/03/17 09:25
40154392004	SB-9-S	Water	08/02/17 09:45	08/03/17 09:25
40154392005	SB-41-S	Water	08/02/17 10:20	08/03/17 09:25
40154392006	SB-12-S	Water	08/02/17 11:00	08/03/17 09:25
40154392007	SB-50 1-2	Solid	08/02/17 11:10	08/03/17 09:25
40154392008	SB-49 5-7	Solid	08/02/17 09:00	08/03/17 09:25
40154392009	SB-51 1-1.5	Solid	08/02/17 10:40	08/03/17 09:25
40154392010	SB-46 4-5	Solid	08/01/17 14:15	08/03/17 09:25
40154392011	SB-45 2-3	Solid	08/01/17 13:30	08/03/17 09:25
40154392012	SB-12 1-1.5	Solid	08/01/17 15:20	08/03/17 09:25
40154392013	SB-40 4-5	Solid	08/01/17 13:50	08/03/17 09:25
40154392014	SB-41 1-1.5	Solid	08/01/17 14:30	08/03/17 09:25

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40154392001	SB-47-S	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	HNW	64	PASI-G
40154392002	SB-45-S	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	HNW	64	PASI-G
40154392003	SB-46-S	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	HNW	64	PASI-G
40154392004	SB-9-S	EPA 6010	DLB	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40154392005	SB-41-S	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	LAP	64	PASI-G
40154392006	SB-12-S	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	LAP	64	PASI-G
40154392007	SB-50 1-2	EPA 8082	BLM	10	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	LAP	64	PASI-G
40154392008	SB-49 5-7	ASTM D2974-87	KJR	1	PASI-G
		EPA 8082	BLM	10	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
40154392009	SB-51 1-1.5	EPA 8260	HNW	64	PASI-G
		ASTM D2974-87	KJR	1	PASI-G
		EPA 8082	BLM	10	PASI-G
		EPA 6010	DLB	7	PASI-G

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SAMPLE ANALYTE COUNT

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154392

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40154392010	SB-46 4-5	EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	HNW	64	PASI-G
		ASTM D2974-87	KJR	1	PASI-G
		EPA 8082	BLM	10	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
40154392011	SB-45 2-3	EPA 8260	HNW	64	PASI-G
		ASTM D2974-87	KJR	1	PASI-G
		EPA 8082	BLM	10	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	HNW	64	PASI-G
		ASTM D2974-87	KJR	1	PASI-G
40154392012	SB-12 1-1.5	EPA 8082	BLM	10	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	HNW	64	PASI-G
		ASTM D2974-87	KJR	1	PASI-G
		EPA 8082	BLM	10	PASI-G
		EPA 6010	DLB	7	PASI-G
40154392013	SB-40 4-5	EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	LAP	64	PASI-G
		ASTM D2974-87	KJR	1	PASI-G
		EPA 8082	BLM	10	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
40154392014	SB-41 1-1.5	EPA 8260	LAP	64	PASI-G
		ASTM D2974-87	KJR	1	PASI-G
		EPA 8082	BLM	10	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	LAP	64	PASI-G
		ASTM D2974-87	KJR	1	PASI-G

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40154392001	SB-47-S					
EPA 6010	Arsenic	20.1J	ug/L	25.0	08/11/17 10:07	
EPA 6010	Barium	389	ug/L	5.0	08/11/17 10:07	
EPA 6010	Chromium	8.4J	ug/L	10.0	08/11/17 10:07	
EPA 6010	Lead	10.8J	ug/L	13.0	08/11/17 10:07	
40154392002	SB-45-S					
EPA 6010	Arsenic	22.5J	ug/L	25.0	08/11/17 10:14	
EPA 6010	Barium	2100	ug/L	5.0	08/11/17 10:14	
EPA 6010	Chromium	27.4	ug/L	10.0	08/11/17 10:14	
EPA 6010	Lead	53.6	ug/L	13.0	08/11/17 10:14	
EPA 8270	Benzo(g,h,i)perylene	1.1J	ug/L	2.6	08/14/17 14:21	
EPA 8270	bis(2-Ethylhexyl)phthalate	0.82J	ug/L	2.2	08/14/17 14:21	
40154392003	SB-46-S					
EPA 6010	Barium	175	ug/L	5.0	08/11/17 10:17	
EPA 6010	Chromium	9.0J	ug/L	10.0	08/11/17 10:17	
EPA 6010	Lead	38.2	ug/L	13.0	08/11/17 10:17	
EPA 8270	Benzo(b)fluoranthene	0.64J	ug/L	2.1	08/14/17 14:43	
EPA 8270	Benzo(g,h,i)perylene	0.81J	ug/L	2.5	08/14/17 14:43	
EPA 8270	Fluoranthene	0.58J	ug/L	1.8	08/14/17 14:43	
40154392004	SB-9-S					
EPA 6010	Lead	441	ug/L	26.0	08/11/17 11:15	
EPA 8270 by HVI	Acenaphthene	0.26	ug/L	0.071	08/09/17 13:38	
EPA 8270 by HVI	Acenaphthylene	0.15	ug/L	0.058	08/09/17 13:38	
EPA 8270 by HVI	Chrysene	0.044J	ug/L	0.15	08/09/17 13:38	
EPA 8270 by HVI	Fluoranthene	0.050J	ug/L	0.12	08/09/17 13:38	
EPA 8270 by HVI	Fluorene	0.49	ug/L	0.093	08/09/17 13:38	
EPA 8270 by HVI	1-Methylnaphthalene	14.1	ug/L	0.069	08/09/17 13:38	
EPA 8270 by HVI	2-Methylnaphthalene	17.1	ug/L	0.057	08/09/17 13:38	
EPA 8270 by HVI	Naphthalene	16.6	ug/L	0.21	08/09/17 13:38	
EPA 8270 by HVI	Phenanthrene	0.80	ug/L	0.16	08/09/17 13:38	
EPA 8270 by HVI	Pyrene	0.042J	ug/L	0.089	08/09/17 13:38	B
EPA 8260	Benzene	51.9	ug/L	1.0	08/09/17 01:48	
EPA 8260	n-Butylbenzene	7.5	ug/L	1.0	08/09/17 01:48	
EPA 8260	sec-Butylbenzene	6.9	ug/L	5.0	08/09/17 01:48	
EPA 8260	tert-Butylbenzene	1.1	ug/L	1.0	08/09/17 01:48	
EPA 8260	1,2-Dichlorobenzene	1.0	ug/L	1.0	08/09/17 01:48	
EPA 8260	Ethylbenzene	2.5	ug/L	1.0	08/09/17 01:48	
EPA 8260	Isopropylbenzene (Cumene)	7.8	ug/L	1.0	08/09/17 01:48	
EPA 8260	p-Isopropyltoluene	3.2	ug/L	1.0	08/09/17 01:48	
EPA 8260	Naphthalene	45.2	ug/L	5.0	08/09/17 01:48	
EPA 8260	n-Propylbenzene	15.3	ug/L	1.0	08/09/17 01:48	
EPA 8260	Toluene	2.8	ug/L	1.0	08/09/17 01:48	
EPA 8260	1,2,4-Trimethylbenzene	2.3	ug/L	1.0	08/09/17 01:48	
EPA 8260	1,3,5-Trimethylbenzene	8.9	ug/L	1.0	08/09/17 01:48	
EPA 8260	m&p-Xylene	3.9	ug/L	2.0	08/09/17 01:48	
EPA 8260	o-Xylene	4.9	ug/L	1.0	08/09/17 01:48	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40154392005	SB-41-S					
EPA 6010	Arsenic	23.3J	ug/L	25.0	08/11/17 10:22	
EPA 6010	Barium	322	ug/L	5.0	08/11/17 10:22	
EPA 6010	Cadmium	1.9J	ug/L	5.0	08/11/17 10:22	
EPA 6010	Chromium	122	ug/L	10.0	08/11/17 10:22	
EPA 6010	Lead	121	ug/L	13.0	08/11/17 10:22	
EPA 8270	bis(2-Ethylhexyl)phthalate	1.5J	ug/L	2.2	08/09/17 18:10	
40154392006	SB-12-S					
EPA 6010	Arsenic	81.2	ug/L	25.0	08/11/17 10:25	
EPA 6010	Barium	174	ug/L	5.0	08/11/17 10:25	
EPA 6010	Lead	6.9J	ug/L	13.0	08/11/17 10:25	
EPA 8270	Benzo(g,h,i)perylene	0.91J	ug/L	2.6	08/09/17 18:31	
40154392007	SB-50 1-2					
EPA 6010	Arsenic	2.1J	mg/kg	5.4	08/10/17 12:48	
EPA 6010	Barium	24.6	mg/kg	0.54	08/10/17 12:48	
EPA 6010	Chromium	13.5	mg/kg	1.1	08/10/17 12:48	
EPA 6010	Lead	5.6	mg/kg	1.4	08/10/17 12:48	
EPA 8270	Benzo(a)anthracene	29.4J	ug/kg	93.7	08/15/17 17:27	
EPA 8270	Benzo(a)pyrene	34.5J	ug/kg	91.0	08/15/17 17:27	
EPA 8270	Benzo(b)fluoranthene	31.5J	ug/kg	104	08/15/17 17:27	
EPA 8270	Chrysene	46.0J	ug/kg	90.4	08/15/17 17:27	
EPA 8270	Fluoranthene	50.6J	ug/kg	85.6	08/15/17 17:27	
EPA 8270	Indeno(1,2,3-cd)pyrene	41.8J	ug/kg	131	08/15/17 17:27	
EPA 8270	Phenanthrene	41.5J	ug/kg	77.6	08/15/17 17:27	
EPA 8270	Pyrene	56.2J	ug/kg	134	08/15/17 17:27	
ASTM D2974-87	Percent Moisture	8.1	%	0.10	08/14/17 11:15	
40154392008	SB-49 5-7					
EPA 6010	Arsenic	2.5J	mg/kg	5.1	08/10/17 12:59	
EPA 6010	Barium	48.5	mg/kg	0.51	08/10/17 12:59	
EPA 6010	Chromium	10.2	mg/kg	1.0	08/10/17 12:59	
EPA 6010	Lead	3.5	mg/kg	1.3	08/10/17 12:59	
ASTM D2974-87	Percent Moisture	8.5	%	0.10	08/14/17 11:15	
40154392009	SB-51 1-1.5					
EPA 6010	Arsenic	5.5J	mg/kg	5.5	08/10/17 13:02	
EPA 6010	Barium	103	mg/kg	0.55	08/10/17 13:02	
EPA 6010	Cadmium	1.2	mg/kg	0.55	08/10/17 13:02	
EPA 6010	Chromium	18.4	mg/kg	1.1	08/10/17 13:02	
EPA 6010	Lead	45.7	mg/kg	1.4	08/10/17 13:02	
EPA 7471	Mercury	0.035J	mg/kg	0.042	08/15/17 12:43	
EPA 8270	2-Methylnaphthalene	131J	ug/kg	343	08/15/17 19:34	
EPA 8270	Anthracene	391	ug/kg	211	08/15/17 19:34	
EPA 8270	Benzo(a)anthracene	1010	ug/kg	205	08/15/17 19:34	
EPA 8270	Benzo(a)pyrene	892	ug/kg	199	08/15/17 19:34	
EPA 8270	Benzo(b)fluoranthene	1150	ug/kg	227	08/15/17 19:34	
EPA 8270	Benzo(g,h,i)perylene	563	ug/kg	346	08/15/17 19:34	
EPA 8270	Benzo(k)fluoranthene	440	ug/kg	316	08/15/17 19:34	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154392

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40154392009	SB-51 1-1.5					
EPA 8270	Carbazole	106J	ug/kg	207	08/15/17 19:34	
EPA 8270	Chrysene	1090	ug/kg	198	08/15/17 19:34	
EPA 8270	Dibenz(a,h)anthracene	140J	ug/kg	359	08/15/17 19:34	
EPA 8270	Dibenzofuran	88.6J	ug/kg	160	08/15/17 19:34	
EPA 8270	Fluoranthene	2240	ug/kg	187	08/15/17 19:34	
EPA 8270	Fluorene	131J	ug/kg	154	08/15/17 19:34	
EPA 8270	Indeno(1,2,3-cd)pyrene	616	ug/kg	286	08/15/17 19:34	
EPA 8270	Phenanthrene	1510	ug/kg	170	08/15/17 19:34	
EPA 8270	Pyrene	1590	ug/kg	293	08/15/17 19:34	
EPA 8260	Naphthalene	67.6J	ug/kg	297	08/08/17 09:13	
EPA 8260	Tetrachloroethene	244	ug/kg	71.4	08/08/17 09:13	
ASTM D2974-87	Percent Moisture	15.9	%	0.10	08/14/17 11:15	
40154392010	SB-46 4-5					
EPA 6010	Arsenic	2.7J	mg/kg	6.0	08/10/17 13:04	
EPA 6010	Barium	48.7	mg/kg	0.60	08/10/17 13:04	
EPA 6010	Cadmium	0.20J	mg/kg	0.60	08/10/17 13:04	
EPA 6010	Chromium	8.1	mg/kg	1.2	08/10/17 13:04	
EPA 6010	Lead	29.7	mg/kg	1.6	08/10/17 13:04	
EPA 7471	Mercury	0.019J	mg/kg	0.043	08/15/17 12:46	
EPA 8270	2-Methylnaphthalene	410	ug/kg	175	08/15/17 17:48	
EPA 8270	Anthracene	85.6J	ug/kg	108	08/15/17 17:48	
EPA 8270	Benzo(a)anthracene	212	ug/kg	104	08/15/17 17:48	
EPA 8270	Benzo(a)pyrene	224	ug/kg	101	08/15/17 17:48	
EPA 8270	Benzo(b)fluoranthene	144	ug/kg	116	08/15/17 17:48	
EPA 8270	Benzo(g,h,i)perylene	443	ug/kg	176	08/15/17 17:48	
EPA 8270	Chrysene	359	ug/kg	101	08/15/17 17:48	
EPA 8270	Dibenz(a,h)anthracene	89.2J	ug/kg	183	08/15/17 17:48	
EPA 8270	Dibenzofuran	80.5J	ug/kg	81.5	08/15/17 17:48	
EPA 8270	Fluoranthene	127	ug/kg	95.3	08/15/17 17:48	
EPA 8270	Fluorene	30.2J	ug/kg	78.7	08/15/17 17:48	
EPA 8270	Indeno(1,2,3-cd)pyrene	140J	ug/kg	146	08/15/17 17:48	
EPA 8270	Naphthalene	189J	ug/kg	235	08/15/17 17:48	
EPA 8270	Phenanthrene	528	ug/kg	86.4	08/15/17 17:48	
EPA 8270	Pyrene	312	ug/kg	149	08/15/17 17:48	
EPA 8260	Naphthalene	51.3J	ug/kg	303	08/07/17 16:45	
EPA 8260	Toluene	39.2J	ug/kg	72.7	08/07/17 16:45	
ASTM D2974-87	Percent Moisture	17.5	%	0.10	08/14/17 11:15	
40154392011	SB-45 2-3					
EPA 6010	Arsenic	2.7J	mg/kg	5.1	08/10/17 13:07	
EPA 6010	Barium	32.9	mg/kg	0.51	08/10/17 13:07	
EPA 6010	Chromium	7.7	mg/kg	1.0	08/10/17 13:07	
EPA 6010	Lead	6.9	mg/kg	1.3	08/10/17 13:07	
EPA 8270	2-Methylnaphthalene	367	ug/kg	159	08/15/17 18:09	
EPA 8270	Anthracene	48.9J	ug/kg	98.1	08/15/17 18:09	
EPA 8270	Benzo(a)anthracene	84.1J	ug/kg	95.1	08/15/17 18:09	
EPA 8270	Benzo(a)pyrene	71.7J	ug/kg	92.4	08/15/17 18:09	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40154392011	SB-45 2-3					
EPA 8270	Benzo(b)fluoranthene	69.0J	ug/kg	105	08/15/17 18:09	
EPA 8270	Benzo(g,h,i)perylene	116J	ug/kg	161	08/15/17 18:09	
EPA 8270	Chrysene	127	ug/kg	91.8	08/15/17 18:09	
EPA 8270	Dibenzofuran	90.7	ug/kg	74.3	08/15/17 18:09	
EPA 8270	Fluoranthene	95.5	ug/kg	86.8	08/15/17 18:09	
EPA 8270	Indeno(1,2,3-cd)pyrene	58.5J	ug/kg	133	08/15/17 18:09	
EPA 8270	Naphthalene	148J	ug/kg	215	08/15/17 18:09	
EPA 8270	Phenanthrene	362	ug/kg	78.7	08/15/17 18:09	
EPA 8270	Pyrene	158	ug/kg	136	08/15/17 18:09	
EPA 8260	Benzene	53.6J	ug/kg	66.2	08/07/17 17:08	
EPA 8260	n-Butylbenzene	32.0J	ug/kg	66.2	08/07/17 17:08	
EPA 8260	Ethylbenzene	82.8	ug/kg	66.2	08/07/17 17:08	
EPA 8260	p-Isopropyltoluene	33.9J	ug/kg	66.2	08/07/17 17:08	
EPA 8260	Naphthalene	196J	ug/kg	276	08/07/17 17:08	
EPA 8260	n-Propylbenzene	37.3J	ug/kg	66.2	08/07/17 17:08	
EPA 8260	Toluene	143	ug/kg	66.2	08/07/17 17:08	
EPA 8260	1,2,4-Trimethylbenzene	193	ug/kg	66.2	08/07/17 17:08	
EPA 8260	1,3,5-Trimethylbenzene	65.3J	ug/kg	66.2	08/07/17 17:08	
EPA 8260	m&p-Xylene	190	ug/kg	132	08/07/17 17:08	
EPA 8260	o-Xylene	152	ug/kg	66.2	08/07/17 17:08	
ASTM D2974-87	Percent Moisture	9.3	%	0.10	08/14/17 11:15	
40154392012	SB-12 1-1.5					
EPA 6010	Arsenic	6.4	mg/kg	5.6	08/10/17 13:09	
EPA 6010	Barium	161	mg/kg	0.56	08/10/17 13:09	
EPA 6010	Cadmium	0.43J	mg/kg	0.56	08/10/17 13:09	
EPA 6010	Chromium	22.0	mg/kg	1.1	08/10/17 13:09	
EPA 6010	Lead	27.5	mg/kg	1.5	08/10/17 13:09	
EPA 7471	Mercury	0.025J	mg/kg	0.041	08/15/17 12:50	
EPA 8270	2-Methylnaphthalene	69.8J	ug/kg	171	08/15/17 18:31	
EPA 8270	Acenaphthene	106J	ug/kg	234	08/15/17 18:31	
EPA 8270	Acenaphthylene	81.5J	ug/kg	235	08/15/17 18:31	
EPA 8270	Anthracene	358	ug/kg	105	08/15/17 18:31	
EPA 8270	Benzo(a)anthracene	913	ug/kg	102	08/15/17 18:31	
EPA 8270	Benzo(a)pyrene	1030	ug/kg	99.2	08/15/17 18:31	
EPA 8270	Benzo(b)fluoranthene	1160	ug/kg	113	08/15/17 18:31	
EPA 8270	Benzo(g,h,i)perylene	676	ug/kg	172	08/15/17 18:31	
EPA 8270	Benzo(k)fluoranthene	536	ug/kg	158	08/15/17 18:31	
EPA 8270	Butylbenzylphthalate	80.7J	ug/kg	106	08/15/17 18:31	
EPA 8270	Carbazole	149	ug/kg	103	08/15/17 18:31	
EPA 8270	Chrysene	1070	ug/kg	98.5	08/15/17 18:31	
EPA 8270	Dibenz(a,h)anthracene	155J	ug/kg	179	08/15/17 18:31	
EPA 8270	Dibenzofuran	54.5J	ug/kg	79.8	08/15/17 18:31	
EPA 8270	Fluoranthene	2320	ug/kg	93.2	08/15/17 18:31	
EPA 8270	Fluorene	119	ug/kg	77.0	08/15/17 18:31	
EPA 8270	Indeno(1,2,3-cd)pyrene	724	ug/kg	143	08/15/17 18:31	
EPA 8270	Phenanthrene	1270	ug/kg	84.5	08/15/17 18:31	
EPA 8270	Pyrene	1760	ug/kg	146	08/15/17 18:31	

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SUMMARY OF DETECTION

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154392

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40154392012	SB-12 1-1.5					
ASTM D2974-87	Percent Moisture	15.5	%	0.10	08/14/17 11:15	
40154392013	SB-40 4-5					
EPA 6010	Arsenic	4.9J	mg/kg	8.1	08/10/17 13:12	
EPA 6010	Barium	113	mg/kg	0.81	08/10/17 13:12	
EPA 6010	Cadmium	1.2	mg/kg	0.81	08/10/17 13:12	
EPA 6010	Chromium	21.2	mg/kg	1.6	08/10/17 13:12	
EPA 6010	Lead	48.8	mg/kg	2.1	08/10/17 13:12	
EPA 6010	Selenium	1.9J	mg/kg	8.1	08/10/17 13:12	
EPA 7471	Mercury	0.13	mg/kg	0.060	08/15/17 12:53	
EPA 8270	Benzo(a)anthracene	90.0J	ug/kg	141	08/15/17 17:05	
EPA 8270	Benzo(a)pyrene	114J	ug/kg	137	08/15/17 17:05	
EPA 8270	Benzo(b)fluoranthene	157	ug/kg	156	08/15/17 17:05	
EPA 8270	Benzo(g,h,i)perylene	124J	ug/kg	238	08/15/17 17:05	
EPA 8270	Benzo(k)fluoranthene	67.2J	ug/kg	218	08/15/17 17:05	
EPA 8270	Chrysene	133J	ug/kg	136	08/15/17 17:05	
EPA 8270	Fluoranthene	291	ug/kg	129	08/15/17 17:05	
EPA 8270	Indeno(1,2,3-cd)pyrene	142J	ug/kg	197	08/15/17 17:05	
EPA 8270	Phenanthrene	179	ug/kg	117	08/15/17 17:05	
EPA 8270	Phenol	114J	ug/kg	216	08/15/17 17:05	
EPA 8270	Pyrene	213	ug/kg	202	08/15/17 17:05	
ASTM D2974-87	Percent Moisture	38.8	%	0.10	08/14/17 11:15	
40154392014	SB-41 1-1.5					
EPA 6010	Arsenic	3.8J	mg/kg	5.9	08/10/17 13:14	
EPA 6010	Barium	109	mg/kg	0.59	08/10/17 13:14	
EPA 6010	Cadmium	0.39J	mg/kg	0.59	08/10/17 13:14	
EPA 6010	Chromium	14.8	mg/kg	1.2	08/10/17 13:14	
EPA 6010	Lead	24.7	mg/kg	1.5	08/10/17 13:14	
EPA 6010	Selenium	1.3J	mg/kg	5.9	08/10/17 13:14	
EPA 7471	Mercury	0.022J	mg/kg	0.044	08/15/17 12:55	
EPA 8270	Benzo(a)anthracene	115	ug/kg	111	08/15/17 18:52	
EPA 8270	Benzo(a)pyrene	87.6J	ug/kg	108	08/15/17 18:52	
EPA 8270	Benzo(b)fluoranthene	104J	ug/kg	123	08/15/17 18:52	
EPA 8270	Benzo(g,h,i)perylene	96.1J	ug/kg	188	08/15/17 18:52	
EPA 8270	Chrysene	179	ug/kg	107	08/15/17 18:52	
EPA 8270	Dibenzofuran	119	ug/kg	86.8	08/15/17 18:52	
EPA 8270	Fluoranthene	212	ug/kg	101	08/15/17 18:52	
EPA 8270	Fluorene	29.1J	ug/kg	83.8	08/15/17 18:52	
EPA 8270	Indeno(1,2,3-cd)pyrene	70.5J	ug/kg	155	08/15/17 18:52	
EPA 8270	Phenanthrene	702	ug/kg	92.0	08/15/17 18:52	
EPA 8270	Pyrene	217	ug/kg	159	08/15/17 18:52	
ASTM D2974-87	Percent Moisture	22.5	%	0.10	08/14/17 11:15	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: SB-47-S **Lab ID: 40154392001** Collected: 08/01/17 14:30 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	20.1J	ug/L	25.0	8.3	1	08/10/17 10:20	08/11/17 10:07	7440-38-2	
Barium	389	ug/L	5.0	1.5	1	08/10/17 10:20	08/11/17 10:07	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/10/17 10:20	08/11/17 10:07	7440-43-9	
Chromium	8.4J	ug/L	10.0	2.5	1	08/10/17 10:20	08/11/17 10:07	7440-47-3	
Lead	10.8J	ug/L	13.0	4.3	1	08/10/17 10:20	08/11/17 10:07	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/10/17 10:20	08/11/17 10:07	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/10/17 10:20	08/11/17 10:07	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.13	ug/L	0.42	0.13	1	08/14/17 10:55	08/15/17 09:42	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,2,4-Trichlorobenzene	<1.9	ug/L	6.4	1.9	1	08/07/17 08:15	08/14/17 14:00	120-82-1	
1,2-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/07/17 08:15	08/14/17 14:00	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	5.9	1.8	1	08/07/17 08:15	08/14/17 14:00	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	5.9	1.8	1	08/07/17 08:15	08/14/17 14:00	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.4	ug/L	4.8	1.4	1	08/07/17 08:15	08/14/17 14:00	108-60-1	
2,4,5-Trichlorophenol	<0.79	ug/L	2.6	0.79	1	08/07/17 08:15	08/14/17 14:00	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.6	2.0	1	08/07/17 08:15	08/14/17 14:00	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.3	1.3	1	08/07/17 08:15	08/14/17 14:00	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.0	1.2	1	08/07/17 08:15	08/14/17 14:00	105-67-9	
2,4-Dinitrophenol	<0.67	ug/L	2.2	0.67	1	08/07/17 08:15	08/14/17 14:00	51-28-5	
2,4-Dinitrotoluene	<0.75	ug/L	2.5	0.75	1	08/07/17 08:15	08/14/17 14:00	121-14-2	
2,6-Dinitrotoluene	<0.57	ug/L	1.9	0.57	1	08/07/17 08:15	08/14/17 14:00	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.2	1.6	1	08/07/17 08:15	08/14/17 14:00	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.6	1.1	1	08/07/17 08:15	08/14/17 14:00	95-57-8	
2-Methylnaphthalene	<1.4	ug/L	4.8	1.4	1	08/07/17 08:15	08/14/17 14:00	91-57-6	
2-Methylphenol(o-Cresol)	<0.82	ug/L	2.7	0.82	1	08/07/17 08:15	08/14/17 14:00	95-48-7	
2-Nitroaniline	<0.73	ug/L	2.4	0.73	1	08/07/17 08:15	08/14/17 14:00	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/07/17 08:15	08/14/17 14:00	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	4.9	1.5	1	08/07/17 08:15	08/14/17 14:00		
3,3'-Dichlorobenzidine	<0.85	ug/L	2.8	0.85	1	08/07/17 08:15	08/14/17 14:00	91-94-1	
3-Nitroaniline	<0.91	ug/L	3.0	0.91	1	08/07/17 08:15	08/14/17 14:00	99-09-2	
4,6-Dinitro-2-methylphenol	<0.62	ug/L	2.1	0.62	1	08/07/17 08:15	08/14/17 14:00	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.2	1.9	1	08/07/17 08:15	08/14/17 14:00	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.3	1.6	1	08/07/17 08:15	08/14/17 14:00	59-50-7	
4-Chloroaniline	<1.0	ug/L	3.4	1.0	1	08/07/17 08:15	08/14/17 14:00	106-47-8	
4-Chlorophenylphenyl ether	<0.77	ug/L	2.6	0.77	1	08/07/17 08:15	08/14/17 14:00	7005-72-3	
4-Nitroaniline	<1.7	ug/L	5.8	1.7	1	08/07/17 08:15	08/14/17 14:00	100-01-6	
4-Nitrophenol	<0.99	ug/L	3.3	0.99	1	08/07/17 08:15	08/14/17 14:00	100-02-7	
Acenaphthene	<1.3	ug/L	4.2	1.3	1	08/07/17 08:15	08/14/17 14:00	83-32-9	
Acenaphthylene	<1.0	ug/L	3.3	1.0	1	08/07/17 08:15	08/14/17 14:00	208-96-8	
Anthracene	<1.7	ug/L	5.7	1.7	1	08/07/17 08:15	08/14/17 14:00	120-12-7	
Benzo(a)anthracene	<0.50	ug/L	1.7	0.50	1	08/07/17 08:15	08/14/17 14:00	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	5.9	1.8	1	08/07/17 08:15	08/14/17 14:00	50-32-8	
Benzo(b)fluoranthene	<0.62	ug/L	2.1	0.62	1	08/07/17 08:15	08/14/17 14:00	205-99-2	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Sample Project No.: 40154392

Sample: **SB-47-S** Lab ID: **40154392001** Collected: 08/01/17 14:30 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.76	ug/L	2.5	0.76	1	08/07/17 08:15	08/14/17 14:00	191-24-2	
Benzo(k)fluoranthene	<0.95	ug/L	3.2	0.95	1	08/07/17 08:15	08/14/17 14:00	207-08-9	
Butylbenzylphthalate	<0.73	ug/L	2.4	0.73	1	08/07/17 08:15	08/14/17 14:00	85-68-7	
Carbazole	<0.71	ug/L	2.4	0.71	1	08/07/17 08:15	08/14/17 14:00	86-74-8	
Chrysene	<1.6	ug/L	5.5	1.6	1	08/07/17 08:15	08/14/17 14:00	218-01-9	
Di-n-butylphthalate	<2.4	ug/L	8.1	2.4	1	08/07/17 08:15	08/14/17 14:00	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/14/17 14:00	117-84-0	
Dibenz(a,h)anthracene	<1.2	ug/L	4.2	1.2	1	08/07/17 08:15	08/14/17 14:00	53-70-3	
Dibenzofuran	<0.72	ug/L	2.4	0.72	1	08/07/17 08:15	08/14/17 14:00	132-64-9	
Diethylphthalate	<1.0	ug/L	3.4	1.0	1	08/07/17 08:15	08/14/17 14:00	84-66-2	
Dimethylphthalate	<1.8	ug/L	6.1	1.8	1	08/07/17 08:15	08/14/17 14:00	131-11-3	
Fluoranthene	<0.53	ug/L	1.8	0.53	1	08/07/17 08:15	08/14/17 14:00	206-44-0	
Fluorene	<0.71	ug/L	2.4	0.71	1	08/07/17 08:15	08/14/17 14:00	86-73-7	
Hexachloro-1,3-butadiene	<2.3	ug/L	7.7	2.3	1	08/07/17 08:15	08/14/17 14:00	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.3	1.6	1	08/07/17 08:15	08/14/17 14:00	118-74-1	
Hexachlorocyclopentadiene	<0.64	ug/L	2.1	0.64	1	08/07/17 08:15	08/14/17 14:00	77-47-4	
Hexachloroethane	<2.5	ug/L	8.4	2.5	1	08/07/17 08:15	08/14/17 14:00	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.7	1.4	1	08/07/17 08:15	08/14/17 14:00	193-39-5	
Isophorone	<0.69	ug/L	2.3	0.69	1	08/07/17 08:15	08/14/17 14:00	78-59-1	
N-Nitroso-di-n-propylamine	<0.92	ug/L	3.1	0.92	1	08/07/17 08:15	08/14/17 14:00	621-64-7	
N-Nitrosodiphenylamine	<3.3	ug/L	11.1	3.3	1	08/07/17 08:15	08/14/17 14:00	86-30-6	
Naphthalene	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/14/17 14:00	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/07/17 08:15	08/14/17 14:00	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.5	1.4	1	08/07/17 08:15	08/14/17 14:00	87-86-5	
Phenanthrene	<1.7	ug/L	5.7	1.7	1	08/07/17 08:15	08/14/17 14:00	85-01-8	
Phenol	<0.57	ug/L	1.9	0.57	1	08/07/17 08:15	08/14/17 14:00	108-95-2	
Pyrene	<1.3	ug/L	4.2	1.3	1	08/07/17 08:15	08/14/17 14:00	129-00-0	
bis(2-Chloroethoxy)methane	<0.94	ug/L	3.1	0.94	1	08/07/17 08:15	08/14/17 14:00	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.0	1.5	1	08/07/17 08:15	08/14/17 14:00	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.65	ug/L	2.2	0.65	1	08/07/17 08:15	08/14/17 14:00	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	85	%	53-100		1	08/07/17 08:15	08/14/17 14:00	4165-60-0	
2-Fluorobiphenyl (S)	85	%	59-109		1	08/07/17 08:15	08/14/17 14:00	321-60-8	
Terphenyl-d14 (S)	96	%	59-108		1	08/07/17 08:15	08/14/17 14:00	1718-51-0	
Phenol-d6 (S)	29	%	18-120		1	08/07/17 08:15	08/14/17 14:00	13127-88-3	
2-Fluorophenol (S)	52	%	27-67		1	08/07/17 08:15	08/14/17 14:00	367-12-4	
2,4,6-Tribromophenol (S)	113	%	65-140		1	08/07/17 08:15	08/14/17 14:00	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/10/17 11:09	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/10/17 11:09	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/10/17 11:09	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	104-51-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Sample Project No.: 40154392

Sample: SB-47-S **Lab ID: 40154392001** Collected: 08/01/17 14:30 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/10/17 11:09	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/10/17 11:09	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/10/17 11:09	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/10/17 11:09	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/10/17 11:09	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/10/17 11:09	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/10/17 11:09	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/10/17 11:09	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/10/17 11:09	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/10/17 11:09	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/10/17 11:09	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/10/17 11:09	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/10/17 11:09	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/10/17 11:09	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/10/17 11:09	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/10/17 11:09	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/10/17 11:09	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/10/17 11:09	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/10/17 11:09	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/10/17 11:09	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/10/17 11:09	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/10/17 11:09	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/10/17 11:09	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/10/17 11:09	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/10/17 11:09	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/10/17 11:09	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/10/17 11:09	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/10/17 11:09	79-00-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: SB-47-S **Lab ID: 40154392001** Collected: 08/01/17 14:30 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/10/17 11:09	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/10/17 11:09	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/10/17 11:09	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/10/17 11:09	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:09	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	61-130		1		08/10/17 11:09	460-00-4	
Dibromofluoromethane (S)	103	%	67-130		1		08/10/17 11:09	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		08/10/17 11:09	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: SB-45-S **Lab ID: 40154392002** Collected: 08/02/17 08:20 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	22.5J	ug/L	25.0	8.3	1	08/10/17 10:20	08/11/17 10:14	7440-38-2	
Barium	2100	ug/L	5.0	1.5	1	08/10/17 10:20	08/11/17 10:14	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/10/17 10:20	08/11/17 10:14	7440-43-9	
Chromium	27.4	ug/L	10.0	2.5	1	08/10/17 10:20	08/11/17 10:14	7440-47-3	
Lead	53.6	ug/L	13.0	4.3	1	08/10/17 10:20	08/11/17 10:14	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/10/17 10:20	08/11/17 10:14	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/10/17 10:20	08/11/17 10:14	7440-22-4	
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	<0.13	ug/L	0.42	0.13	1	08/14/17 10:55	08/15/17 09:44	7439-97-6	
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,2,4-Trichlorobenzene	<1.9	ug/L	6.5	1.9	1	08/07/17 08:15	08/14/17 14:21	120-82-1	
1,2-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/07/17 08:15	08/14/17 14:21	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/14/17 14:21	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/14/17 14:21	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	4.8	1.5	1	08/07/17 08:15	08/14/17 14:21	108-60-1	
2,4,5-Trichlorophenol	<0.80	ug/L	2.7	0.80	1	08/07/17 08:15	08/14/17 14:21	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.7	2.0	1	08/07/17 08:15	08/14/17 14:21	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.3	1.3	1	08/07/17 08:15	08/14/17 14:21	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.0	1.2	1	08/07/17 08:15	08/14/17 14:21	105-67-9	
2,4-Dinitrophenol	<0.68	ug/L	2.3	0.68	1	08/07/17 08:15	08/14/17 14:21	51-28-5	
2,4-Dinitrotoluene	<0.75	ug/L	2.5	0.75	1	08/07/17 08:15	08/14/17 14:21	121-14-2	
2,6-Dinitrotoluene	<0.57	ug/L	1.9	0.57	1	08/07/17 08:15	08/14/17 14:21	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.2	1.6	1	08/07/17 08:15	08/14/17 14:21	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.7	1.1	1	08/07/17 08:15	08/14/17 14:21	95-57-8	
2-Methylnaphthalene	<1.4	ug/L	4.8	1.4	1	08/07/17 08:15	08/14/17 14:21	91-57-6	
2-Methylphenol(o-Cresol)	<0.83	ug/L	2.8	0.83	1	08/07/17 08:15	08/14/17 14:21	95-48-7	
2-Nitroaniline	<0.74	ug/L	2.5	0.74	1	08/07/17 08:15	08/14/17 14:21	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/07/17 08:15	08/14/17 14:21	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.0	1.5	1	08/07/17 08:15	08/14/17 14:21		
3,3'-Dichlorobenzidine	<0.86	ug/L	2.9	0.86	1	08/07/17 08:15	08/14/17 14:21	91-94-1	
3-Nitroaniline	<0.92	ug/L	3.1	0.92	1	08/07/17 08:15	08/14/17 14:21	99-09-2	
4,6-Dinitro-2-methylphenol	<0.62	ug/L	2.1	0.62	1	08/07/17 08:15	08/14/17 14:21	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.3	1.9	1	08/07/17 08:15	08/14/17 14:21	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.4	1.6	1	08/07/17 08:15	08/14/17 14:21	59-50-7	
4-Chloroaniline	<1.0	ug/L	3.5	1.0	1	08/07/17 08:15	08/14/17 14:21	106-47-8	
4-Chlorophenylphenyl ether	<0.78	ug/L	2.6	0.78	1	08/07/17 08:15	08/14/17 14:21	7005-72-3	
4-Nitroaniline	<1.7	ug/L	5.8	1.7	1	08/07/17 08:15	08/14/17 14:21	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.3	1.0	1	08/07/17 08:15	08/14/17 14:21	100-02-7	
Acenaphthene	<1.3	ug/L	4.3	1.3	1	08/07/17 08:15	08/14/17 14:21	83-32-9	
Acenaphthylene	<1.0	ug/L	3.4	1.0	1	08/07/17 08:15	08/14/17 14:21	208-96-8	
Anthracene	<1.7	ug/L	5.7	1.7	1	08/07/17 08:15	08/14/17 14:21	120-12-7	
Benzo(a)anthracene	<0.51	ug/L	1.7	0.51	1	08/07/17 08:15	08/14/17 14:21	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/14/17 14:21	50-32-8	
Benzo(b)fluoranthene	<0.62	ug/L	2.1	0.62	1	08/07/17 08:15	08/14/17 14:21	205-99-2	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Sample Project No.: 40154392

Sample: **SB-45-S** Lab ID: **40154392002** Collected: 08/02/17 08:20 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	1.1J	ug/L	2.6	0.77	1	08/07/17 08:15	08/14/17 14:21	191-24-2	
Benzo(k)fluoranthene	<0.95	ug/L	3.2	0.95	1	08/07/17 08:15	08/14/17 14:21	207-08-9	
Butylbenzylphthalate	<0.74	ug/L	2.5	0.74	1	08/07/17 08:15	08/14/17 14:21	85-68-7	
Carbazole	<0.71	ug/L	2.4	0.71	1	08/07/17 08:15	08/14/17 14:21	86-74-8	
Chrysene	<1.7	ug/L	5.5	1.7	1	08/07/17 08:15	08/14/17 14:21	218-01-9	
Di-n-butylphthalate	<2.4	ug/L	8.1	2.4	1	08/07/17 08:15	08/14/17 14:21	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/14/17 14:21	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.2	1.3	1	08/07/17 08:15	08/14/17 14:21	53-70-3	
Dibenzofuran	<0.73	ug/L	2.4	0.73	1	08/07/17 08:15	08/14/17 14:21	132-64-9	
Diethylphthalate	<1.0	ug/L	3.4	1.0	1	08/07/17 08:15	08/14/17 14:21	84-66-2	
Dimethylphthalate	<1.8	ug/L	6.1	1.8	1	08/07/17 08:15	08/14/17 14:21	131-11-3	
Fluoranthene	<0.54	ug/L	1.8	0.54	1	08/07/17 08:15	08/14/17 14:21	206-44-0	
Fluorene	<0.71	ug/L	2.4	0.71	1	08/07/17 08:15	08/14/17 14:21	86-73-7	
Hexachloro-1,3-butadiene	<2.3	ug/L	7.8	2.3	1	08/07/17 08:15	08/14/17 14:21	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.4	1.6	1	08/07/17 08:15	08/14/17 14:21	118-74-1	
Hexachlorocyclopentadiene	<0.65	ug/L	2.2	0.65	1	08/07/17 08:15	08/14/17 14:21	77-47-4	
Hexachloroethane	<2.5	ug/L	8.4	2.5	1	08/07/17 08:15	08/14/17 14:21	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.8	1.4	1	08/07/17 08:15	08/14/17 14:21	193-39-5	
Isophorone	<0.70	ug/L	2.3	0.70	1	08/07/17 08:15	08/14/17 14:21	78-59-1	
N-Nitroso-di-n-propylamine	<0.92	ug/L	3.1	0.92	1	08/07/17 08:15	08/14/17 14:21	621-64-7	
N-Nitrosodiphenylamine	<3.4	ug/L	11.2	3.4	1	08/07/17 08:15	08/14/17 14:21	86-30-6	
Naphthalene	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/14/17 14:21	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/07/17 08:15	08/14/17 14:21	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.6	1.4	1	08/07/17 08:15	08/14/17 14:21	87-86-5	
Phenanthrene	<1.7	ug/L	5.8	1.7	1	08/07/17 08:15	08/14/17 14:21	85-01-8	
Phenol	<0.57	ug/L	1.9	0.57	1	08/07/17 08:15	08/14/17 14:21	108-95-2	
Pyrene	<1.3	ug/L	4.3	1.3	1	08/07/17 08:15	08/14/17 14:21	129-00-0	
bis(2-Chloroethoxy)methane	<0.95	ug/L	3.2	0.95	1	08/07/17 08:15	08/14/17 14:21	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.0	1.5	1	08/07/17 08:15	08/14/17 14:21	111-44-4	
bis(2-Ethylhexyl)phthalate	0.82J	ug/L	2.2	0.66	1	08/07/17 08:15	08/14/17 14:21	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	92	%	53-100		1	08/07/17 08:15	08/14/17 14:21	4165-60-0	
2-Fluorobiphenyl (S)	81	%	59-109		1	08/07/17 08:15	08/14/17 14:21	321-60-8	
Terphenyl-d14 (S)	90	%	59-108		1	08/07/17 08:15	08/14/17 14:21	1718-51-0	
Phenol-d6 (S)	30	%	18-120		1	08/07/17 08:15	08/14/17 14:21	13127-88-3	
2-Fluorophenol (S)	44	%	27-67		1	08/07/17 08:15	08/14/17 14:21	367-12-4	
2,4,6-Tribromophenol (S)	97	%	65-140		1	08/07/17 08:15	08/14/17 14:21	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/10/17 11:32	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/10/17 11:32	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/10/17 11:32	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	104-51-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Sample Project No.: 40154392

Sample: **SB-45-S** Lab ID: **40154392002** Collected: 08/02/17 08:20 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/10/17 11:32	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/10/17 11:32	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/10/17 11:32	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/10/17 11:32	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/10/17 11:32	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/10/17 11:32	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/10/17 11:32	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/10/17 11:32	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/10/17 11:32	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/10/17 11:32	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/10/17 11:32	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/10/17 11:32	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/10/17 11:32	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/10/17 11:32	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/10/17 11:32	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/10/17 11:32	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/10/17 11:32	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/10/17 11:32	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/10/17 11:32	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/10/17 11:32	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/10/17 11:32	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/10/17 11:32	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/10/17 11:32	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/10/17 11:32	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/10/17 11:32	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/10/17 11:32	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/10/17 11:32	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/10/17 11:32	79-00-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: SB-45-S **Lab ID: 40154392002** Collected: 08/02/17 08:20 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/10/17 11:32	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/10/17 11:32	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/10/17 11:32	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/10/17 11:32	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	61-130		1		08/10/17 11:32	460-00-4	
Dibromofluoromethane (S)	104	%	67-130		1		08/10/17 11:32	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		08/10/17 11:32	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154392

Sample: SB-46-S **Lab ID: 40154392003** Collected: 08/02/17 09:00 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	<8.3	ug/L	25.0	8.3	1	08/10/17 10:20	08/11/17 10:17	7440-38-2	
Barium	175	ug/L	5.0	1.5	1	08/10/17 10:20	08/11/17 10:17	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/10/17 10:20	08/11/17 10:17	7440-43-9	
Chromium	9.0J	ug/L	10.0	2.5	1	08/10/17 10:20	08/11/17 10:17	7440-47-3	
Lead	38.2	ug/L	13.0	4.3	1	08/10/17 10:20	08/11/17 10:17	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/10/17 10:20	08/11/17 10:17	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/10/17 10:20	08/11/17 10:17	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.13	ug/L	0.42	0.13	1	08/14/17 10:55	08/15/17 09:51	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,2,4-Trichlorobenzene	<1.9	ug/L	6.4	1.9	1	08/07/17 08:15	08/14/17 14:43	120-82-1	
1,2-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/07/17 08:15	08/14/17 14:43	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	5.9	1.8	1	08/07/17 08:15	08/14/17 14:43	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	5.9	1.8	1	08/07/17 08:15	08/14/17 14:43	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.4	ug/L	4.8	1.4	1	08/07/17 08:15	08/14/17 14:43	108-60-1	
2,4,5-Trichlorophenol	<0.79	ug/L	2.6	0.79	1	08/07/17 08:15	08/14/17 14:43	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.6	2.0	1	08/07/17 08:15	08/14/17 14:43	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.3	1.3	1	08/07/17 08:15	08/14/17 14:43	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.0	1.2	1	08/07/17 08:15	08/14/17 14:43	105-67-9	
2,4-Dinitrophenol	<0.67	ug/L	2.2	0.67	1	08/07/17 08:15	08/14/17 14:43	51-28-5	
2,4-Dinitrotoluene	<0.75	ug/L	2.5	0.75	1	08/07/17 08:15	08/14/17 14:43	121-14-2	
2,6-Dinitrotoluene	<0.57	ug/L	1.9	0.57	1	08/07/17 08:15	08/14/17 14:43	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.2	1.6	1	08/07/17 08:15	08/14/17 14:43	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.6	1.1	1	08/07/17 08:15	08/14/17 14:43	95-57-8	
2-Methylnaphthalene	<1.4	ug/L	4.8	1.4	1	08/07/17 08:15	08/14/17 14:43	91-57-6	
2-Methylphenol(o-Cresol)	<0.82	ug/L	2.7	0.82	1	08/07/17 08:15	08/14/17 14:43	95-48-7	
2-Nitroaniline	<0.73	ug/L	2.4	0.73	1	08/07/17 08:15	08/14/17 14:43	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/07/17 08:15	08/14/17 14:43	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	4.9	1.5	1	08/07/17 08:15	08/14/17 14:43		
3,3'-Dichlorobenzidine	<0.85	ug/L	2.8	0.85	1	08/07/17 08:15	08/14/17 14:43	91-94-1	
3-Nitroaniline	<0.91	ug/L	3.0	0.91	1	08/07/17 08:15	08/14/17 14:43	99-09-2	
4,6-Dinitro-2-methylphenol	<0.62	ug/L	2.1	0.62	1	08/07/17 08:15	08/14/17 14:43	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.2	1.9	1	08/07/17 08:15	08/14/17 14:43	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.3	1.6	1	08/07/17 08:15	08/14/17 14:43	59-50-7	
4-Chloroaniline	<1.0	ug/L	3.4	1.0	1	08/07/17 08:15	08/14/17 14:43	106-47-8	
4-Chlorophenylphenyl ether	<0.77	ug/L	2.6	0.77	1	08/07/17 08:15	08/14/17 14:43	7005-72-3	
4-Nitroaniline	<1.7	ug/L	5.8	1.7	1	08/07/17 08:15	08/14/17 14:43	100-01-6	
4-Nitrophenol	<0.99	ug/L	3.3	0.99	1	08/07/17 08:15	08/14/17 14:43	100-02-7	
Acenaphthene	<1.3	ug/L	4.2	1.3	1	08/07/17 08:15	08/14/17 14:43	83-32-9	
Acenaphthylene	<1.0	ug/L	3.3	1.0	1	08/07/17 08:15	08/14/17 14:43	208-96-8	
Anthracene	<1.7	ug/L	5.7	1.7	1	08/07/17 08:15	08/14/17 14:43	120-12-7	
Benzo(a)anthracene	<0.50	ug/L	1.7	0.50	1	08/07/17 08:15	08/14/17 14:43	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	5.9	1.8	1	08/07/17 08:15	08/14/17 14:43	50-32-8	
Benzo(b)fluoranthene	0.64J	ug/L	2.1	0.62	1	08/07/17 08:15	08/14/17 14:43	205-99-2	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Sample Project No.: 40154392

Sample: SB-46-S **Lab ID: 40154392003** Collected: 08/02/17 09:00 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	0.81J	ug/L	2.5	0.76	1	08/07/17 08:15	08/14/17 14:43	191-24-2	
Benzo(k)fluoranthene	<0.95	ug/L	3.2	0.95	1	08/07/17 08:15	08/14/17 14:43	207-08-9	
Butylbenzylphthalate	<0.73	ug/L	2.4	0.73	1	08/07/17 08:15	08/14/17 14:43	85-68-7	
Carbazole	<0.71	ug/L	2.4	0.71	1	08/07/17 08:15	08/14/17 14:43	86-74-8	
Chrysene	<1.6	ug/L	5.5	1.6	1	08/07/17 08:15	08/14/17 14:43	218-01-9	
Di-n-butylphthalate	<2.4	ug/L	8.1	2.4	1	08/07/17 08:15	08/14/17 14:43	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/14/17 14:43	117-84-0	
Dibenz(a,h)anthracene	<1.2	ug/L	4.2	1.2	1	08/07/17 08:15	08/14/17 14:43	53-70-3	
Dibenzofuran	<0.72	ug/L	2.4	0.72	1	08/07/17 08:15	08/14/17 14:43	132-64-9	
Diethylphthalate	<1.0	ug/L	3.4	1.0	1	08/07/17 08:15	08/14/17 14:43	84-66-2	
Dimethylphthalate	<1.8	ug/L	6.1	1.8	1	08/07/17 08:15	08/14/17 14:43	131-11-3	
Fluoranthene	0.58J	ug/L	1.8	0.53	1	08/07/17 08:15	08/14/17 14:43	206-44-0	
Fluorene	<0.71	ug/L	2.4	0.71	1	08/07/17 08:15	08/14/17 14:43	86-73-7	
Hexachloro-1,3-butadiene	<2.3	ug/L	7.7	2.3	1	08/07/17 08:15	08/14/17 14:43	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.3	1.6	1	08/07/17 08:15	08/14/17 14:43	118-74-1	
Hexachlorocyclopentadiene	<0.64	ug/L	2.1	0.64	1	08/07/17 08:15	08/14/17 14:43	77-47-4	
Hexachloroethane	<2.5	ug/L	8.4	2.5	1	08/07/17 08:15	08/14/17 14:43	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.7	1.4	1	08/07/17 08:15	08/14/17 14:43	193-39-5	
Isophorone	<0.69	ug/L	2.3	0.69	1	08/07/17 08:15	08/14/17 14:43	78-59-1	
N-Nitroso-di-n-propylamine	<0.92	ug/L	3.1	0.92	1	08/07/17 08:15	08/14/17 14:43	621-64-7	
N-Nitrosodiphenylamine	<3.3	ug/L	11.1	3.3	1	08/07/17 08:15	08/14/17 14:43	86-30-6	
Naphthalene	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/14/17 14:43	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/07/17 08:15	08/14/17 14:43	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.5	1.4	1	08/07/17 08:15	08/14/17 14:43	87-86-5	
Phenanthrene	<1.7	ug/L	5.7	1.7	1	08/07/17 08:15	08/14/17 14:43	85-01-8	
Phenol	<0.57	ug/L	1.9	0.57	1	08/07/17 08:15	08/14/17 14:43	108-95-2	
Pyrene	<1.3	ug/L	4.2	1.3	1	08/07/17 08:15	08/14/17 14:43	129-00-0	
bis(2-Chloroethoxy)methane	<0.94	ug/L	3.1	0.94	1	08/07/17 08:15	08/14/17 14:43	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.0	1.5	1	08/07/17 08:15	08/14/17 14:43	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.65	ug/L	2.2	0.65	1	08/07/17 08:15	08/14/17 14:43	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	81	%	53-100		1	08/07/17 08:15	08/14/17 14:43	4165-60-0	
2-Fluorobiphenyl (S)	72	%	59-109		1	08/07/17 08:15	08/14/17 14:43	321-60-8	
Terphenyl-d14 (S)	90	%	59-108		1	08/07/17 08:15	08/14/17 14:43	1718-51-0	
Phenol-d6 (S)	26	%	18-120		1	08/07/17 08:15	08/14/17 14:43	13127-88-3	
2-Fluorophenol (S)	37	%	27-67		1	08/07/17 08:15	08/14/17 14:43	367-12-4	
2,4,6-Tribromophenol (S)	77	%	65-140		1	08/07/17 08:15	08/14/17 14:43	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/10/17 11:55	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/10/17 11:55	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/10/17 11:55	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	104-51-8	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Sample Project No.: 40154392

Sample: **SB-46-S** Lab ID: **40154392003** Collected: 08/02/17 09:00 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/10/17 11:55	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/10/17 11:55	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/10/17 11:55	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/10/17 11:55	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/10/17 11:55	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/10/17 11:55	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/10/17 11:55	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/10/17 11:55	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/10/17 11:55	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/10/17 11:55	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/10/17 11:55	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/10/17 11:55	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/10/17 11:55	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/10/17 11:55	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/10/17 11:55	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/10/17 11:55	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/10/17 11:55	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/10/17 11:55	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/10/17 11:55	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/10/17 11:55	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/10/17 11:55	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/10/17 11:55	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/10/17 11:55	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/10/17 11:55	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/10/17 11:55	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/10/17 11:55	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/10/17 11:55	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/10/17 11:55	79-00-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: SB-46-S **Lab ID: 40154392003** Collected: 08/02/17 09:00 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/10/17 11:55	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/10/17 11:55	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/10/17 11:55	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/10/17 11:55	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/10/17 11:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	61-130		1		08/10/17 11:55	460-00-4	
Dibromofluoromethane (S)	104	%	67-130		1		08/10/17 11:55	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		08/10/17 11:55	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: SB-9-S **Lab ID: 40154392004** Collected: 08/02/17 09:45 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	441	ug/L	26.0	8.7	2	08/10/17 10:20	08/11/17 11:15	7439-92-1	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	0.26	ug/L	0.071	0.014	2	08/08/17 08:32	08/09/17 13:38	83-32-9	
Acenaphthylene	0.15	ug/L	0.058	0.012	2	08/08/17 08:32	08/09/17 13:38	208-96-8	
Anthracene	<0.024	ug/L	0.12	0.024	2	08/08/17 08:32	08/09/17 13:38	120-12-7	
Benzo(a)anthracene	<0.018	ug/L	0.088	0.018	2	08/08/17 08:32	08/09/17 13:38	56-55-3	
Benzo(a)pyrene	<0.024	ug/L	0.12	0.024	2	08/08/17 08:32	08/09/17 13:38	50-32-8	
Benzo(b)fluoranthene	<0.013	ug/L	0.067	0.013	2	08/08/17 08:32	08/09/17 13:38	205-99-2	
Benzo(g,h,i)perylene	<0.016	ug/L	0.079	0.016	2	08/08/17 08:32	08/09/17 13:38	191-24-2	
Benzo(k)fluoranthene	<0.018	ug/L	0.088	0.018	2	08/08/17 08:32	08/09/17 13:38	207-08-9	
Chrysene	0.044J	ug/L	0.15	0.030	2	08/08/17 08:32	08/09/17 13:38	218-01-9	
Dibenz(a,h)anthracene	<0.023	ug/L	0.12	0.023	2	08/08/17 08:32	08/09/17 13:38	53-70-3	
Fluoranthene	0.050J	ug/L	0.12	0.025	2	08/08/17 08:32	08/09/17 13:38	206-44-0	
Fluorene	0.49	ug/L	0.093	0.019	2	08/08/17 08:32	08/09/17 13:38	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.041	ug/L	0.21	0.041	2	08/08/17 08:32	08/09/17 13:38	193-39-5	
1-Methylnaphthalene	14.1	ug/L	0.069	0.014	2	08/08/17 08:32	08/09/17 13:38	90-12-0	
2-Methylnaphthalene	17.1	ug/L	0.057	0.011	2	08/08/17 08:32	08/09/17 13:38	91-57-6	
Naphthalene	16.6	ug/L	0.21	0.043	2	08/08/17 08:32	08/09/17 13:38	91-20-3	
Phenanthrene	0.80	ug/L	0.16	0.032	2	08/08/17 08:32	08/09/17 13:38	85-01-8	
Pyrene	0.042J	ug/L	0.089	0.018	2	08/08/17 08:32	08/09/17 13:38	129-00-0	B
Surrogates									
2-Fluorobiphenyl (S)	36	%	35-84		2	08/08/17 08:32	08/09/17 13:38	321-60-8	
Terphenyl-d14 (S)	21	%	10-129		2	08/08/17 08:32	08/09/17 13:38	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	51.9	ug/L	1.0	0.50	1		08/09/17 01:48	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/09/17 01:48	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/09/17 01:48	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/09/17 01:48	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/09/17 01:48	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/09/17 01:48	74-83-9	
n-Butylbenzene	7.5	ug/L	1.0	0.50	1		08/09/17 01:48	104-51-8	
sec-Butylbenzene	6.9	ug/L	5.0	2.2	1		08/09/17 01:48	135-98-8	
tert-Butylbenzene	1.1	ug/L	1.0	0.18	1		08/09/17 01:48	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/09/17 01:48	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:48	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/09/17 01:48	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/09/17 01:48	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/09/17 01:48	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:48	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/09/17 01:48	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/09/17 01:48	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/09/17 01:48	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/09/17 01:48	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/09/17 01:48	74-95-3	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: SB-9-S **Lab ID: 40154392004** Collected: 08/02/17 09:45 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,2-Dichlorobenzene	1.0	ug/L	1.0	0.50	1		08/09/17 01:48	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:48	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:48	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/09/17 01:48	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/09/17 01:48	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/09/17 01:48	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/09/17 01:48	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/09/17 01:48	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/09/17 01:48	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/09/17 01:48	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/09/17 01:48	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/09/17 01:48	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/09/17 01:48	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:48	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/09/17 01:48	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/09/17 01:48	108-20-3	
Ethylbenzene	2.5	ug/L	1.0	0.50	1		08/09/17 01:48	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/09/17 01:48	87-68-3	
Isopropylbenzene (Cumene)	7.8	ug/L	1.0	0.14	1		08/09/17 01:48	98-82-8	
p-Isopropyltoluene	3.2	ug/L	1.0	0.50	1		08/09/17 01:48	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/09/17 01:48	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/09/17 01:48	1634-04-4	
Naphthalene	45.2	ug/L	5.0	2.5	1		08/09/17 01:48	91-20-3	
n-Propylbenzene	15.3	ug/L	1.0	0.50	1		08/09/17 01:48	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:48	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/09/17 01:48	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/09/17 01:48	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:48	127-18-4	
Toluene	2.8	ug/L	1.0	0.50	1		08/09/17 01:48	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/09/17 01:48	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/09/17 01:48	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/09/17 01:48	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/09/17 01:48	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/09/17 01:48	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/09/17 01:48	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/09/17 01:48	96-18-4	
1,2,4-Trimethylbenzene	2.3	ug/L	1.0	0.50	1		08/09/17 01:48	95-63-6	
1,3,5-Trimethylbenzene	8.9	ug/L	1.0	0.50	1		08/09/17 01:48	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/09/17 01:48	75-01-4	
m&p-Xylene	3.9	ug/L	2.0	1.0	1		08/09/17 01:48	179601-23-1	
o-Xylene	4.9	ug/L	1.0	0.50	1		08/09/17 01:48	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		1		08/09/17 01:48	460-00-4	
Dibromofluoromethane (S)	96	%	67-130		1		08/09/17 01:48	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		08/09/17 01:48	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154392

Sample: SB-41-S **Lab ID: 40154392005** Collected: 08/02/17 10:20 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	23.3J	ug/L	25.0	8.3	1	08/10/17 10:20	08/11/17 10:22	7440-38-2	
Barium	322	ug/L	5.0	1.5	1	08/10/17 10:20	08/11/17 10:22	7440-39-3	
Cadmium	1.9J	ug/L	5.0	1.3	1	08/10/17 10:20	08/11/17 10:22	7440-43-9	
Chromium	122	ug/L	10.0	2.5	1	08/10/17 10:20	08/11/17 10:22	7440-47-3	
Lead	121	ug/L	13.0	4.3	1	08/10/17 10:20	08/11/17 10:22	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/10/17 10:20	08/11/17 10:22	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/10/17 10:20	08/11/17 10:22	7440-22-4	
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	<0.13	ug/L	0.42	0.13	1	08/14/17 10:55	08/15/17 09:54	7439-97-6	
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,2,4-Trichlorobenzene	<1.9	ug/L	6.5	1.9	1	08/09/17 08:14	08/09/17 18:10	120-82-1	
1,2-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/09/17 08:14	08/09/17 18:10	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/09/17 18:10	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/09/17 18:10	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	4.8	1.5	1	08/09/17 08:14	08/09/17 18:10	108-60-1	
2,4,5-Trichlorophenol	<0.80	ug/L	2.7	0.80	1	08/09/17 08:14	08/09/17 18:10	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.7	2.0	1	08/09/17 08:14	08/09/17 18:10	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.3	1.3	1	08/09/17 08:14	08/09/17 18:10	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.0	1.2	1	08/09/17 08:14	08/09/17 18:10	105-67-9	
2,4-Dinitrophenol	<0.68	ug/L	2.3	0.68	1	08/09/17 08:14	08/09/17 18:10	51-28-5	
2,4-Dinitrotoluene	<0.75	ug/L	2.5	0.75	1	08/09/17 08:14	08/09/17 18:10	121-14-2	
2,6-Dinitrotoluene	<0.57	ug/L	1.9	0.57	1	08/09/17 08:14	08/09/17 18:10	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.2	1.6	1	08/09/17 08:14	08/09/17 18:10	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.7	1.1	1	08/09/17 08:14	08/09/17 18:10	95-57-8	
2-Methylnaphthalene	<1.4	ug/L	4.8	1.4	1	08/09/17 08:14	08/09/17 18:10	91-57-6	
2-Methylphenol(o-Cresol)	<0.83	ug/L	2.8	0.83	1	08/09/17 08:14	08/09/17 18:10	95-48-7	
2-Nitroaniline	<0.74	ug/L	2.5	0.74	1	08/09/17 08:14	08/09/17 18:10	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/09/17 08:14	08/09/17 18:10	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.0	1.5	1	08/09/17 08:14	08/09/17 18:10		
3,3'-Dichlorobenzidine	<0.86	ug/L	2.9	0.86	1	08/09/17 08:14	08/09/17 18:10	91-94-1	
3-Nitroaniline	<0.92	ug/L	3.1	0.92	1	08/09/17 08:14	08/09/17 18:10	99-09-2	
4,6-Dinitro-2-methylphenol	<0.62	ug/L	2.1	0.62	1	08/09/17 08:14	08/09/17 18:10	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.3	1.9	1	08/09/17 08:14	08/09/17 18:10	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.4	1.6	1	08/09/17 08:14	08/09/17 18:10	59-50-7	
4-Chloroaniline	<1.0	ug/L	3.5	1.0	1	08/09/17 08:14	08/09/17 18:10	106-47-8	
4-Chlorophenylphenyl ether	<0.78	ug/L	2.6	0.78	1	08/09/17 08:14	08/09/17 18:10	7005-72-3	
4-Nitroaniline	<1.7	ug/L	5.8	1.7	1	08/09/17 08:14	08/09/17 18:10	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.3	1.0	1	08/09/17 08:14	08/09/17 18:10	100-02-7	
Acenaphthene	<1.3	ug/L	4.3	1.3	1	08/09/17 08:14	08/09/17 18:10	83-32-9	
Acenaphthylene	<1.0	ug/L	3.4	1.0	1	08/09/17 08:14	08/09/17 18:10	208-96-8	
Anthracene	<1.7	ug/L	5.7	1.7	1	08/09/17 08:14	08/09/17 18:10	120-12-7	
Benzo(a)anthracene	<0.51	ug/L	1.7	0.51	1	08/09/17 08:14	08/09/17 18:10	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/09/17 18:10	50-32-8	
Benzo(b)fluoranthene	<0.62	ug/L	2.1	0.62	1	08/09/17 08:14	08/09/17 18:10	205-99-2	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Sample Project No.: 40154392

Sample: **SB-41-S** Lab ID: **40154392005** Collected: 08/02/17 10:20 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.77	ug/L	2.6	0.77	1	08/09/17 08:14	08/09/17 18:10	191-24-2	
Benzo(k)fluoranthene	<0.95	ug/L	3.2	0.95	1	08/09/17 08:14	08/09/17 18:10	207-08-9	
Butylbenzylphthalate	<0.74	ug/L	2.5	0.74	1	08/09/17 08:14	08/09/17 18:10	85-68-7	
Carbazole	<0.71	ug/L	2.4	0.71	1	08/09/17 08:14	08/09/17 18:10	86-74-8	
Chrysene	<1.7	ug/L	5.5	1.7	1	08/09/17 08:14	08/09/17 18:10	218-01-9	
Di-n-butylphthalate	<2.4	ug/L	8.1	2.4	1	08/09/17 08:14	08/09/17 18:10	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/09/17 18:10	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.2	1.3	1	08/09/17 08:14	08/09/17 18:10	53-70-3	
Dibenzofuran	<0.73	ug/L	2.4	0.73	1	08/09/17 08:14	08/09/17 18:10	132-64-9	
Diethylphthalate	<1.0	ug/L	3.4	1.0	1	08/09/17 08:14	08/09/17 18:10	84-66-2	
Dimethylphthalate	<1.8	ug/L	6.1	1.8	1	08/09/17 08:14	08/09/17 18:10	131-11-3	
Fluoranthene	<0.54	ug/L	1.8	0.54	1	08/09/17 08:14	08/09/17 18:10	206-44-0	
Fluorene	<0.71	ug/L	2.4	0.71	1	08/09/17 08:14	08/09/17 18:10	86-73-7	
Hexachloro-1,3-butadiene	<2.3	ug/L	7.8	2.3	1	08/09/17 08:14	08/09/17 18:10	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.4	1.6	1	08/09/17 08:14	08/09/17 18:10	118-74-1	
Hexachlorocyclopentadiene	<0.65	ug/L	2.2	0.65	1	08/09/17 08:14	08/09/17 18:10	77-47-4	
Hexachloroethane	<2.5	ug/L	8.4	2.5	1	08/09/17 08:14	08/09/17 18:10	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.8	1.4	1	08/09/17 08:14	08/09/17 18:10	193-39-5	
Isophorone	<0.70	ug/L	2.3	0.70	1	08/09/17 08:14	08/09/17 18:10	78-59-1	
N-Nitroso-di-n-propylamine	<0.92	ug/L	3.1	0.92	1	08/09/17 08:14	08/09/17 18:10	621-64-7	
N-Nitrosodiphenylamine	<3.4	ug/L	11.2	3.4	1	08/09/17 08:14	08/09/17 18:10	86-30-6	
Naphthalene	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/09/17 18:10	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/09/17 08:14	08/09/17 18:10	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.6	1.4	1	08/09/17 08:14	08/09/17 18:10	87-86-5	
Phenanthrene	<1.7	ug/L	5.8	1.7	1	08/09/17 08:14	08/09/17 18:10	85-01-8	
Phenol	<0.57	ug/L	1.9	0.57	1	08/09/17 08:14	08/09/17 18:10	108-95-2	
Pyrene	<1.3	ug/L	4.3	1.3	1	08/09/17 08:14	08/09/17 18:10	129-00-0	
bis(2-Chloroethoxy)methane	<0.95	ug/L	3.2	0.95	1	08/09/17 08:14	08/09/17 18:10	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.0	1.5	1	08/09/17 08:14	08/09/17 18:10	111-44-4	
bis(2-Ethylhexyl)phthalate	1.5J	ug/L	2.2	0.66	1	08/09/17 08:14	08/09/17 18:10	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	77	%	53-100		1	08/09/17 08:14	08/09/17 18:10	4165-60-0	
2-Fluorobiphenyl (S)	36	%	59-109		1	08/09/17 08:14	08/09/17 18:10	321-60-8	S0
Terphenyl-d14 (S)	78	%	59-108		1	08/09/17 08:14	08/09/17 18:10	1718-51-0	
Phenol-d6 (S)	31	%	18-120		1	08/09/17 08:14	08/09/17 18:10	13127-88-3	
2-Fluorophenol (S)	47	%	27-67		1	08/09/17 08:14	08/09/17 18:10	367-12-4	
2,4,6-Tribromophenol (S)	50	%	65-140		1	08/09/17 08:14	08/09/17 18:10	118-79-6	S0
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/08/17 09:51	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/08/17 09:51	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/08/17 09:51	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	104-51-8	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Sample Project No.: 40154392

Sample: **SB-41-S** Lab ID: **40154392005** Collected: 08/02/17 10:20 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 09:51	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/08/17 09:51	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/08/17 09:51	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/08/17 09:51	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/08/17 09:51	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/08/17 09:51	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/08/17 09:51	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/08/17 09:51	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/08/17 09:51	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/08/17 09:51	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/08/17 09:51	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/08/17 09:51	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 09:51	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 09:51	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/08/17 09:51	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/08/17 09:51	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/08/17 09:51	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/08/17 09:51	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/08/17 09:51	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/08/17 09:51	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/08/17 09:51	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/08/17 09:51	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/08/17 09:51	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/08/17 09:51	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/08/17 09:51	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/08/17 09:51	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 09:51	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/08/17 09:51	79-00-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: SB-41-S **Lab ID: 40154392005** Collected: 08/02/17 10:20 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/08/17 09:51	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/08/17 09:51	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/08/17 09:51	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/08/17 09:51	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:51	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	61-130		1		08/08/17 09:51	460-00-4	
Dibromofluoromethane (S)	93	%	67-130		1		08/08/17 09:51	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		08/08/17 09:51	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: SB-12-S **Lab ID: 40154392006** Collected: 08/02/17 11:00 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	81.2	ug/L	25.0	8.3	1	08/10/17 10:20	08/11/17 10:25	7440-38-2	
Barium	174	ug/L	5.0	1.5	1	08/10/17 10:20	08/11/17 10:25	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/10/17 10:20	08/11/17 10:25	7440-43-9	
Chromium	<2.5	ug/L	10.0	2.5	1	08/10/17 10:20	08/11/17 10:25	7440-47-3	
Lead	6.9J	ug/L	13.0	4.3	1	08/10/17 10:20	08/11/17 10:25	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/10/17 10:20	08/11/17 10:25	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/10/17 10:20	08/11/17 10:25	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.13	ug/L	0.42	0.13	1	08/14/17 10:55	08/15/17 09:56	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,2,4-Trichlorobenzene	<1.9	ug/L	6.5	1.9	1	08/09/17 08:14	08/09/17 18:31	120-82-1	
1,2-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/09/17 08:14	08/09/17 18:31	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/09/17 18:31	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/09/17 18:31	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	4.8	1.5	1	08/09/17 08:14	08/09/17 18:31	108-60-1	
2,4,5-Trichlorophenol	<0.80	ug/L	2.7	0.80	1	08/09/17 08:14	08/09/17 18:31	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.7	2.0	1	08/09/17 08:14	08/09/17 18:31	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.3	1.3	1	08/09/17 08:14	08/09/17 18:31	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.0	1.2	1	08/09/17 08:14	08/09/17 18:31	105-67-9	
2,4-Dinitrophenol	<0.68	ug/L	2.3	0.68	1	08/09/17 08:14	08/09/17 18:31	51-28-5	
2,4-Dinitrotoluene	<0.75	ug/L	2.5	0.75	1	08/09/17 08:14	08/09/17 18:31	121-14-2	
2,6-Dinitrotoluene	<0.57	ug/L	1.9	0.57	1	08/09/17 08:14	08/09/17 18:31	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.2	1.6	1	08/09/17 08:14	08/09/17 18:31	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.7	1.1	1	08/09/17 08:14	08/09/17 18:31	95-57-8	
2-Methylnaphthalene	<1.4	ug/L	4.8	1.4	1	08/09/17 08:14	08/09/17 18:31	91-57-6	
2-Methylphenol(o-Cresol)	<0.83	ug/L	2.8	0.83	1	08/09/17 08:14	08/09/17 18:31	95-48-7	
2-Nitroaniline	<0.74	ug/L	2.5	0.74	1	08/09/17 08:14	08/09/17 18:31	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/09/17 08:14	08/09/17 18:31	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.0	1.5	1	08/09/17 08:14	08/09/17 18:31		
3,3'-Dichlorobenzidine	<0.86	ug/L	2.9	0.86	1	08/09/17 08:14	08/09/17 18:31	91-94-1	
3-Nitroaniline	<0.92	ug/L	3.1	0.92	1	08/09/17 08:14	08/09/17 18:31	99-09-2	
4,6-Dinitro-2-methylphenol	<0.62	ug/L	2.1	0.62	1	08/09/17 08:14	08/09/17 18:31	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.3	1.9	1	08/09/17 08:14	08/09/17 18:31	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.4	1.6	1	08/09/17 08:14	08/09/17 18:31	59-50-7	
4-Chloroaniline	<1.0	ug/L	3.5	1.0	1	08/09/17 08:14	08/09/17 18:31	106-47-8	
4-Chlorophenylphenyl ether	<0.78	ug/L	2.6	0.78	1	08/09/17 08:14	08/09/17 18:31	7005-72-3	
4-Nitroaniline	<1.7	ug/L	5.8	1.7	1	08/09/17 08:14	08/09/17 18:31	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.3	1.0	1	08/09/17 08:14	08/09/17 18:31	100-02-7	
Acenaphthene	<1.3	ug/L	4.3	1.3	1	08/09/17 08:14	08/09/17 18:31	83-32-9	
Acenaphthylene	<1.0	ug/L	3.4	1.0	1	08/09/17 08:14	08/09/17 18:31	208-96-8	
Anthracene	<1.7	ug/L	5.7	1.7	1	08/09/17 08:14	08/09/17 18:31	120-12-7	
Benzo(a)anthracene	<0.51	ug/L	1.7	0.51	1	08/09/17 08:14	08/09/17 18:31	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/09/17 18:31	50-32-8	
Benzo(b)fluoranthene	<0.62	ug/L	2.1	0.62	1	08/09/17 08:14	08/09/17 18:31	205-99-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Lab Project No.: 40154392

Sample: SB-12-S **Lab ID: 40154392006** Collected: 08/02/17 11:00 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	0.91J	ug/L	2.6	0.77	1	08/09/17 08:14	08/09/17 18:31	191-24-2	
Benzo(k)fluoranthene	<0.95	ug/L	3.2	0.95	1	08/09/17 08:14	08/09/17 18:31	207-08-9	
Butylbenzylphthalate	<0.74	ug/L	2.5	0.74	1	08/09/17 08:14	08/09/17 18:31	85-68-7	
Carbazole	<0.71	ug/L	2.4	0.71	1	08/09/17 08:14	08/09/17 18:31	86-74-8	
Chrysene	<1.7	ug/L	5.5	1.7	1	08/09/17 08:14	08/09/17 18:31	218-01-9	
Di-n-butylphthalate	<2.4	ug/L	8.1	2.4	1	08/09/17 08:14	08/09/17 18:31	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/09/17 18:31	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.2	1.3	1	08/09/17 08:14	08/09/17 18:31	53-70-3	
Dibenzofuran	<0.73	ug/L	2.4	0.73	1	08/09/17 08:14	08/09/17 18:31	132-64-9	
Diethylphthalate	<1.0	ug/L	3.4	1.0	1	08/09/17 08:14	08/09/17 18:31	84-66-2	
Dimethylphthalate	<1.8	ug/L	6.1	1.8	1	08/09/17 08:14	08/09/17 18:31	131-11-3	
Fluoranthene	<0.54	ug/L	1.8	0.54	1	08/09/17 08:14	08/09/17 18:31	206-44-0	
Fluorene	<0.71	ug/L	2.4	0.71	1	08/09/17 08:14	08/09/17 18:31	86-73-7	
Hexachloro-1,3-butadiene	<2.3	ug/L	7.8	2.3	1	08/09/17 08:14	08/09/17 18:31	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.4	1.6	1	08/09/17 08:14	08/09/17 18:31	118-74-1	
Hexachlorocyclopentadiene	<0.65	ug/L	2.2	0.65	1	08/09/17 08:14	08/09/17 18:31	77-47-4	
Hexachloroethane	<2.5	ug/L	8.4	2.5	1	08/09/17 08:14	08/09/17 18:31	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.8	1.4	1	08/09/17 08:14	08/09/17 18:31	193-39-5	
Isophorone	<0.70	ug/L	2.3	0.70	1	08/09/17 08:14	08/09/17 18:31	78-59-1	
N-Nitroso-di-n-propylamine	<0.92	ug/L	3.1	0.92	1	08/09/17 08:14	08/09/17 18:31	621-64-7	
N-Nitrosodiphenylamine	<3.4	ug/L	11.2	3.4	1	08/09/17 08:14	08/09/17 18:31	86-30-6	
Naphthalene	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/09/17 18:31	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/09/17 08:14	08/09/17 18:31	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.6	1.4	1	08/09/17 08:14	08/09/17 18:31	87-86-5	
Phenanthrene	<1.7	ug/L	5.8	1.7	1	08/09/17 08:14	08/09/17 18:31	85-01-8	
Phenol	<0.57	ug/L	1.9	0.57	1	08/09/17 08:14	08/09/17 18:31	108-95-2	
Pyrene	<1.3	ug/L	4.3	1.3	1	08/09/17 08:14	08/09/17 18:31	129-00-0	
bis(2-Chloroethoxy)methane	<0.95	ug/L	3.2	0.95	1	08/09/17 08:14	08/09/17 18:31	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.0	1.5	1	08/09/17 08:14	08/09/17 18:31	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.66	ug/L	2.2	0.66	1	08/09/17 08:14	08/09/17 18:31	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	89	%	53-100		1	08/09/17 08:14	08/09/17 18:31	4165-60-0	
2-Fluorobiphenyl (S)	83	%	59-109		1	08/09/17 08:14	08/09/17 18:31	321-60-8	
Terphenyl-d14 (S)	93	%	59-108		1	08/09/17 08:14	08/09/17 18:31	1718-51-0	
Phenol-d6 (S)	33	%	18-120		1	08/09/17 08:14	08/09/17 18:31	13127-88-3	
2-Fluorophenol (S)	54	%	27-67		1	08/09/17 08:14	08/09/17 18:31	367-12-4	
2,4,6-Tribromophenol (S)	100	%	65-140		1	08/09/17 08:14	08/09/17 18:31	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/08/17 09:28	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/08/17 09:28	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/08/17 09:28	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	104-51-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Sample Project No.: 40154392

Sample: SB-12-S **Lab ID: 40154392006** Collected: 08/02/17 11:00 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 09:28	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/08/17 09:28	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/08/17 09:28	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/08/17 09:28	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/08/17 09:28	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/08/17 09:28	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/08/17 09:28	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/08/17 09:28	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/08/17 09:28	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/08/17 09:28	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/08/17 09:28	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/08/17 09:28	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 09:28	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 09:28	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/08/17 09:28	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/08/17 09:28	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/08/17 09:28	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/08/17 09:28	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/08/17 09:28	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/08/17 09:28	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/08/17 09:28	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/08/17 09:28	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/08/17 09:28	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/08/17 09:28	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/08/17 09:28	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/08/17 09:28	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 09:28	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/08/17 09:28	79-00-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: SB-12-S **Lab ID: 40154392006** Collected: 08/02/17 11:00 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/08/17 09:28	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/08/17 09:28	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/08/17 09:28	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/08/17 09:28	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/08/17 09:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	61-130		1		08/08/17 09:28	460-00-4	
Dibromofluoromethane (S)	99	%	67-130		1		08/08/17 09:28	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		08/08/17 09:28	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154392

Sample: **SB-50 1-2** Lab ID: **40154392007** Collected: 08/02/17 11:10 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<27.2	ug/kg	54.4	27.2	1	08/08/17 13:03	08/10/17 08:17	12674-11-2	
PCB-1221 (Aroclor 1221)	<27.2	ug/kg	54.4	27.2	1	08/08/17 13:03	08/10/17 08:17	11104-28-2	
PCB-1232 (Aroclor 1232)	<27.2	ug/kg	54.4	27.2	1	08/08/17 13:03	08/10/17 08:17	11141-16-5	
PCB-1242 (Aroclor 1242)	<27.2	ug/kg	54.4	27.2	1	08/08/17 13:03	08/10/17 08:17	53469-21-9	
PCB-1248 (Aroclor 1248)	<27.2	ug/kg	54.4	27.2	1	08/08/17 13:03	08/10/17 08:17	12672-29-6	
PCB-1254 (Aroclor 1254)	<27.2	ug/kg	54.4	27.2	1	08/08/17 13:03	08/10/17 08:17	11097-69-1	
PCB-1260 (Aroclor 1260)	<27.2	ug/kg	54.4	27.2	1	08/08/17 13:03	08/10/17 08:17	11096-82-5	
PCB, Total	<27.2	ug/kg	54.4	27.2	1	08/08/17 13:03	08/10/17 08:17	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	85	%	50-102		1	08/08/17 13:03	08/10/17 08:17	877-09-8	
Decachlorobiphenyl (S)	81	%	53-105		1	08/08/17 13:03	08/10/17 08:17	2051-24-3	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	2.1J	mg/kg	5.4	1.1	1	08/09/17 11:44	08/10/17 12:48	7440-38-2	
Barium	24.6	mg/kg	0.54	0.16	1	08/09/17 11:44	08/10/17 12:48	7440-39-3	
Cadmium	<0.14	mg/kg	0.54	0.14	1	08/09/17 11:44	08/10/17 12:48	7440-43-9	
Chromium	13.5	mg/kg	1.1	0.30	1	08/09/17 11:44	08/10/17 12:48	7440-47-3	
Lead	5.6	mg/kg	1.4	0.47	1	08/09/17 11:44	08/10/17 12:48	7439-92-1	
Selenium	<1.2	mg/kg	5.4	1.2	1	08/09/17 11:44	08/10/17 12:48	7782-49-2	
Silver	<0.37	mg/kg	1.1	0.37	1	08/09/17 11:44	08/10/17 12:48	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	<0.012	mg/kg	0.040	0.012	1	08/14/17 07:42	08/15/17 12:25	7439-97-6	M0
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<20.5	ug/kg	68.4	20.5	1	08/14/17 11:07	08/15/17 17:27	120-82-1	
1,2-Dichlorobenzene	<57.1	ug/kg	190	57.1	1	08/14/17 11:07	08/15/17 17:27	95-50-1	
1,3-Dichlorobenzene	<25.1	ug/kg	83.8	25.1	1	08/14/17 11:07	08/15/17 17:27	541-73-1	
1,4-Dichlorobenzene	<25.3	ug/kg	84.3	25.3	1	08/14/17 11:07	08/15/17 17:27	106-46-7	
2,2'-Oxybis(1-chloropropane)	<46.8	ug/kg	156	46.8	1	08/14/17 11:07	08/15/17 17:27	108-60-1	
2,4,5-Trichlorophenol	<32.1	ug/kg	107	32.1	1	08/14/17 11:07	08/15/17 17:27	95-95-4	
2,4,6-Trichlorophenol	<27.7	ug/kg	92.2	27.7	1	08/14/17 11:07	08/15/17 17:27	88-06-2	
2,4-Dichlorophenol	<48.5	ug/kg	162	48.5	1	08/14/17 11:07	08/15/17 17:27	120-83-2	
2,4-Dimethylphenol	<35.9	ug/kg	120	35.9	1	08/14/17 11:07	08/15/17 17:27	105-67-9	
2,4-Dinitrophenol	<55.3	ug/kg	184	55.3	1	08/14/17 11:07	08/15/17 17:27	51-28-5	L1
2,4-Dinitrotoluene	<25.9	ug/kg	86.5	25.9	1	08/14/17 11:07	08/15/17 17:27	121-14-2	
2,6-Dinitrotoluene	<34.4	ug/kg	115	34.4	1	08/14/17 11:07	08/15/17 17:27	606-20-2	
2-Chloronaphthalene	<23.3	ug/kg	77.7	23.3	1	08/14/17 11:07	08/15/17 17:27	91-58-7	
2-Chlorophenol	<45.3	ug/kg	151	45.3	1	08/14/17 11:07	08/15/17 17:27	95-57-8	
2-Methylnaphthalene	<47.1	ug/kg	157	47.1	1	08/14/17 11:07	08/15/17 17:27	91-57-6	
2-Methylphenol(o-Cresol)	<33.0	ug/kg	110	33.0	1	08/14/17 11:07	08/15/17 17:27	95-48-7	
2-Nitroaniline	<51.7	ug/kg	172	51.7	1	08/14/17 11:07	08/15/17 17:27	88-74-4	
2-Nitrophenol	<57.3	ug/kg	191	57.3	1	08/14/17 11:07	08/15/17 17:27	88-75-5	
3&4-Methylphenol(m&p Cresol)	<33.3	ug/kg	111	33.3	1	08/14/17 11:07	08/15/17 17:27		
3,3'-Dichlorobenzidine	<49.2	ug/kg	164	49.2	1	08/14/17 11:07	08/15/17 17:27	91-94-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: **SB-50 1-2** Lab ID: **40154392007** Collected: 08/02/17 11:10 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<30.9	ug/kg	103	30.9	1	08/14/17 11:07	08/15/17 17:27	99-09-2	
4,6-Dinitro-2-methylphenol	<55.9	ug/kg	186	55.9	1	08/14/17 11:07	08/15/17 17:27	534-52-1	
4-Bromophenylphenyl ether	<38.0	ug/kg	127	38.0	1	08/14/17 11:07	08/15/17 17:27	101-55-3	
4-Chloro-3-methylphenol	<56.5	ug/kg	188	56.5	1	08/14/17 11:07	08/15/17 17:27	59-50-7	
4-Chloroaniline	<29.8	ug/kg	99.4	29.8	1	08/14/17 11:07	08/15/17 17:27	106-47-8	
4-Chlorophenylphenyl ether	<33.8	ug/kg	113	33.8	1	08/14/17 11:07	08/15/17 17:27	7005-72-3	
4-Nitroaniline	<75.3	ug/kg	251	75.3	1	08/14/17 11:07	08/15/17 17:27	100-01-6	
4-Nitrophenol	<45.7	ug/kg	152	45.7	1	08/14/17 11:07	08/15/17 17:27	100-02-7	
Acenaphthene	<64.3	ug/kg	214	64.3	1	08/14/17 11:07	08/15/17 17:27	83-32-9	
Acenaphthylene	<64.7	ug/kg	216	64.7	1	08/14/17 11:07	08/15/17 17:27	208-96-8	
Anthracene	<29.0	ug/kg	96.7	29.0	1	08/14/17 11:07	08/15/17 17:27	120-12-7	
Benzo(a)anthracene	29.4J	ug/kg	93.7	28.1	1	08/14/17 11:07	08/15/17 17:27	56-55-3	
Benzo(a)pyrene	34.5J	ug/kg	91.0	27.3	1	08/14/17 11:07	08/15/17 17:27	50-32-8	
Benzo(b)fluoranthene	31.5J	ug/kg	104	31.2	1	08/14/17 11:07	08/15/17 17:27	205-99-2	
Benzo(g,h,i)perylene	<47.5	ug/kg	158	47.5	1	08/14/17 11:07	08/15/17 17:27	191-24-2	
Benzo(k)fluoranthene	<43.4	ug/kg	145	43.4	1	08/14/17 11:07	08/15/17 17:27	207-08-9	
Butylbenzylphthalate	<29.1	ug/kg	97.0	29.1	1	08/14/17 11:07	08/15/17 17:27	85-68-7	
Carbazole	<28.4	ug/kg	94.7	28.4	1	08/14/17 11:07	08/15/17 17:27	86-74-8	
Chrysene	46.0J	ug/kg	90.4	27.1	1	08/14/17 11:07	08/15/17 17:27	218-01-9	
Di-n-butylphthalate	<27.1	ug/kg	90.4	27.1	1	08/14/17 11:07	08/15/17 17:27	84-74-2	L1
Di-n-octylphthalate	<40.8	ug/kg	136	40.8	1	08/14/17 11:07	08/15/17 17:27	117-84-0	
Dibenz(a,h)anthracene	<49.3	ug/kg	164	49.3	1	08/14/17 11:07	08/15/17 17:27	53-70-3	
Dibenzofuran	<22.0	ug/kg	73.2	22.0	1	08/14/17 11:07	08/15/17 17:27	132-64-9	
Diethylphthalate	<30.1	ug/kg	100	30.1	1	08/14/17 11:07	08/15/17 17:27	84-66-2	
Dimethylphthalate	<23.6	ug/kg	78.7	23.6	1	08/14/17 11:07	08/15/17 17:27	131-11-3	
Fluoranthene	50.6J	ug/kg	85.6	25.7	1	08/14/17 11:07	08/15/17 17:27	206-44-0	
Fluorene	<21.2	ug/kg	70.7	21.2	1	08/14/17 11:07	08/15/17 17:27	86-73-7	
Hexachloro-1,3-butadiene	<46.2	ug/kg	154	46.2	1	08/14/17 11:07	08/15/17 17:27	87-68-3	
Hexachlorobenzene	<30.5	ug/kg	102	30.5	1	08/14/17 11:07	08/15/17 17:27	118-74-1	
Hexachlorocyclopentadiene	<42.9	ug/kg	143	42.9	1	08/14/17 11:07	08/15/17 17:27	77-47-4	
Hexachloroethane	<29.0	ug/kg	96.8	29.0	1	08/14/17 11:07	08/15/17 17:27	67-72-1	
Indeno(1,2,3-cd)pyrene	41.8J	ug/kg	131	39.3	1	08/14/17 11:07	08/15/17 17:27	193-39-5	
Isophorone	<27.9	ug/kg	93.0	27.9	1	08/14/17 11:07	08/15/17 17:27	78-59-1	
N-Nitroso-di-n-propylamine	<28.8	ug/kg	95.9	28.8	1	08/14/17 11:07	08/15/17 17:27	621-64-7	
N-Nitrosodiphenylamine	<246	ug/kg	821	246	1	08/14/17 11:07	08/15/17 17:27	86-30-6	
Naphthalene	<63.4	ug/kg	211	63.4	1	08/14/17 11:07	08/15/17 17:27	91-20-3	
Nitrobenzene	<36.8	ug/kg	123	36.8	1	08/14/17 11:07	08/15/17 17:27	98-95-3	
Pentachlorophenol	<40.0	ug/kg	133	40.0	1	08/14/17 11:07	08/15/17 17:27	87-86-5	
Phenanthrene	41.5J	ug/kg	77.6	23.3	1	08/14/17 11:07	08/15/17 17:27	85-01-8	
Phenol	<43.1	ug/kg	144	43.1	1	08/14/17 11:07	08/15/17 17:27	108-95-2	
Pyrene	56.2J	ug/kg	134	40.2	1	08/14/17 11:07	08/15/17 17:27	129-00-0	
bis(2-Chloroethoxy)methane	<48.9	ug/kg	163	48.9	1	08/14/17 11:07	08/15/17 17:27	111-91-1	
bis(2-Chloroethyl) ether	<56.6	ug/kg	189	56.6	1	08/14/17 11:07	08/15/17 17:27	111-44-4	
bis(2-Ethylhexyl)phthalate	<30.2	ug/kg	101	30.2	1	08/14/17 11:07	08/15/17 17:27	117-81-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154392

Sample: SB-50 1-2 **Lab ID: 40154392007** Collected: 08/02/17 11:10 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Nitrobenzene-d5 (S)	59	%	13-114		1	08/14/17 11:07	08/15/17 17:27	4165-60-0	
2-Fluorobiphenyl (S)	60	%	18-127		1	08/14/17 11:07	08/15/17 17:27	321-60-8	
Terphenyl-d14 (S)	65	%	41-109		1	08/14/17 11:07	08/15/17 17:27	1718-51-0	
Phenol-d6 (S)	48	%	30-97		1	08/14/17 11:07	08/15/17 17:27	13127-88-3	
2-Fluorophenol (S)	16	%	16-103		1	08/14/17 11:07	08/15/17 17:27	367-12-4	
2,4,6-Tribromophenol (S)	8	%	13-143		1	08/14/17 11:07	08/15/17 17:27	118-79-6	S0
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/07/17 08:15	08/07/17 21:21	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/07/17 08:15	08/07/17 21:21	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/07/17 08:15	08/07/17 21:21	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/07/17 08:15	08/07/17 21:21	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	108-20-3	W

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: **SB-50 1-2** Lab ID: **40154392007** Collected: 08/02/17 11:10 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/07/17 08:15	08/07/17 21:21	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/07/17 08:15	08/07/17 21:21	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/07/17 08:15	08/07/17 21:21	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:21	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	118	%	68-130		1	08/07/17 08:15	08/07/17 21:21	1868-53-7	
Toluene-d8 (S)	122	%	68-149		1	08/07/17 08:15	08/07/17 21:21	2037-26-5	
4-Bromofluorobenzene (S)	105	%	58-141		1	08/07/17 08:15	08/07/17 21:21	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	8.1	%	0.10	0.10	1		08/14/17 11:15		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: **SB-49 5-7** Lab ID: **40154392008** Collected: 08/02/17 09:00 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<27.3	ug/kg	54.7	27.3	1	08/08/17 13:03	08/10/17 15:01	12674-11-2	
PCB-1221 (Aroclor 1221)	<27.3	ug/kg	54.7	27.3	1	08/08/17 13:03	08/10/17 15:01	11104-28-2	
PCB-1232 (Aroclor 1232)	<27.3	ug/kg	54.7	27.3	1	08/08/17 13:03	08/10/17 15:01	11141-16-5	
PCB-1242 (Aroclor 1242)	<27.3	ug/kg	54.7	27.3	1	08/08/17 13:03	08/10/17 15:01	53469-21-9	
PCB-1248 (Aroclor 1248)	<27.3	ug/kg	54.7	27.3	1	08/08/17 13:03	08/10/17 15:01	12672-29-6	
PCB-1254 (Aroclor 1254)	<27.3	ug/kg	54.7	27.3	1	08/08/17 13:03	08/10/17 15:01	11097-69-1	
PCB-1260 (Aroclor 1260)	<27.3	ug/kg	54.7	27.3	1	08/08/17 13:03	08/10/17 15:01	11096-82-5	
PCB, Total	<27.3	ug/kg	54.7	27.3	1	08/08/17 13:03	08/10/17 15:01	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	80	%	50-102		1	08/08/17 13:03	08/10/17 15:01	877-09-8	
Decachlorobiphenyl (S)	85	%	53-105		1	08/08/17 13:03	08/10/17 15:01	2051-24-3	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	2.5J	mg/kg	5.1	1.1	1	08/09/17 11:44	08/10/17 12:59	7440-38-2	
Barium	48.5	mg/kg	0.51	0.15	1	08/09/17 11:44	08/10/17 12:59	7440-39-3	
Cadmium	<0.14	mg/kg	0.51	0.14	1	08/09/17 11:44	08/10/17 12:59	7440-43-9	
Chromium	10.2	mg/kg	1.0	0.29	1	08/09/17 11:44	08/10/17 12:59	7440-47-3	
Lead	3.5	mg/kg	1.3	0.44	1	08/09/17 11:44	08/10/17 12:59	7439-92-1	
Selenium	<1.1	mg/kg	5.1	1.1	1	08/09/17 11:44	08/10/17 12:59	7782-49-2	
Silver	<0.35	mg/kg	1.0	0.35	1	08/09/17 11:44	08/10/17 12:59	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	<0.012	mg/kg	0.040	0.012	1	08/14/17 07:42	08/15/17 12:32	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<20.6	ug/kg	68.8	20.6	1	08/14/17 11:07	08/15/17 04:11	120-82-1	
1,2-Dichlorobenzene	<57.4	ug/kg	191	57.4	1	08/14/17 11:07	08/15/17 04:11	95-50-1	
1,3-Dichlorobenzene	<25.3	ug/kg	84.3	25.3	1	08/14/17 11:07	08/15/17 04:11	541-73-1	
1,4-Dichlorobenzene	<25.4	ug/kg	84.8	25.4	1	08/14/17 11:07	08/15/17 04:11	106-46-7	
2,2'-Oxybis(1-chloropropane)	<47.1	ug/kg	157	47.1	1	08/14/17 11:07	08/15/17 04:11	108-60-1	
2,4,5-Trichlorophenol	<32.2	ug/kg	107	32.2	1	08/14/17 11:07	08/15/17 04:11	95-95-4	
2,4,6-Trichlorophenol	<27.8	ug/kg	92.8	27.8	1	08/14/17 11:07	08/15/17 04:11	88-06-2	
2,4-Dichlorophenol	<48.8	ug/kg	163	48.8	1	08/14/17 11:07	08/15/17 04:11	120-83-2	
2,4-Dimethylphenol	<36.1	ug/kg	120	36.1	1	08/14/17 11:07	08/15/17 04:11	105-67-9	
2,4-Dinitrophenol	<55.6	ug/kg	185	55.6	1	08/14/17 11:07	08/15/17 04:11	51-28-5	L1
2,4-Dinitrotoluene	<26.1	ug/kg	87.0	26.1	1	08/14/17 11:07	08/15/17 04:11	121-14-2	
2,6-Dinitrotoluene	<34.7	ug/kg	116	34.7	1	08/14/17 11:07	08/15/17 04:11	606-20-2	
2-Chloronaphthalene	<23.4	ug/kg	78.1	23.4	1	08/14/17 11:07	08/15/17 04:11	91-58-7	
2-Chlorophenol	<45.6	ug/kg	152	45.6	1	08/14/17 11:07	08/15/17 04:11	95-57-8	
2-Methylnaphthalene	<47.4	ug/kg	158	47.4	1	08/14/17 11:07	08/15/17 04:11	91-57-6	
2-Methylphenol(o-Cresol)	<33.2	ug/kg	111	33.2	1	08/14/17 11:07	08/15/17 04:11	95-48-7	
2-Nitroaniline	<52.0	ug/kg	173	52.0	1	08/14/17 11:07	08/15/17 04:11	88-74-4	
2-Nitrophenol	<57.6	ug/kg	192	57.6	1	08/14/17 11:07	08/15/17 04:11	88-75-5	
3&4-Methylphenol(m&p Cresol)	<33.5	ug/kg	112	33.5	1	08/14/17 11:07	08/15/17 04:11		
3,3'-Dichlorobenzidine	<49.5	ug/kg	165	49.5	1	08/14/17 11:07	08/15/17 04:11	91-94-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: **SB-49 5-7** Lab ID: **40154392008** Collected: 08/02/17 09:00 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<31.0	ug/kg	103	31.0	1	08/14/17 11:07	08/15/17 04:11	99-09-2	
4,6-Dinitro-2-methylphenol	<56.3	ug/kg	188	56.3	1	08/14/17 11:07	08/15/17 04:11	534-52-1	
4-Bromophenylphenyl ether	<38.2	ug/kg	127	38.2	1	08/14/17 11:07	08/15/17 04:11	101-55-3	
4-Chloro-3-methylphenol	<56.8	ug/kg	189	56.8	1	08/14/17 11:07	08/15/17 04:11	59-50-7	
4-Chloroaniline	<30.0	ug/kg	100	30.0	1	08/14/17 11:07	08/15/17 04:11	106-47-8	
4-Chlorophenylphenyl ether	<34.0	ug/kg	113	34.0	1	08/14/17 11:07	08/15/17 04:11	7005-72-3	
4-Nitroaniline	<75.8	ug/kg	253	75.8	1	08/14/17 11:07	08/15/17 04:11	100-01-6	
4-Nitrophenol	<46.0	ug/kg	153	46.0	1	08/14/17 11:07	08/15/17 04:11	100-02-7	
Acenaphthene	<64.7	ug/kg	216	64.7	1	08/14/17 11:07	08/15/17 04:11	83-32-9	
Acenaphthylene	<65.1	ug/kg	217	65.1	1	08/14/17 11:07	08/15/17 04:11	208-96-8	
Anthracene	<29.2	ug/kg	97.3	29.2	1	08/14/17 11:07	08/15/17 04:11	120-12-7	
Benzo(a)anthracene	<28.3	ug/kg	94.2	28.3	1	08/14/17 11:07	08/15/17 04:11	56-55-3	
Benzo(a)pyrene	<27.5	ug/kg	91.6	27.5	1	08/14/17 11:07	08/15/17 04:11	50-32-8	
Benzo(b)fluoranthene	<31.4	ug/kg	105	31.4	1	08/14/17 11:07	08/15/17 04:11	205-99-2	
Benzo(g,h,i)perylene	<47.8	ug/kg	159	47.8	1	08/14/17 11:07	08/15/17 04:11	191-24-2	
Benzo(k)fluoranthene	<43.7	ug/kg	146	43.7	1	08/14/17 11:07	08/15/17 04:11	207-08-9	
Butylbenzylphthalate	<29.3	ug/kg	97.6	29.3	1	08/14/17 11:07	08/15/17 04:11	85-68-7	
Carbazole	<28.6	ug/kg	95.3	28.6	1	08/14/17 11:07	08/15/17 04:11	86-74-8	
Chrysene	<27.3	ug/kg	91.0	27.3	1	08/14/17 11:07	08/15/17 04:11	218-01-9	
Di-n-butylphthalate	<27.3	ug/kg	91.0	27.3	1	08/14/17 11:07	08/15/17 04:11	84-74-2	L1
Di-n-octylphthalate	<41.0	ug/kg	137	41.0	1	08/14/17 11:07	08/15/17 04:11	117-84-0	
Dibenz(a,h)anthracene	<49.6	ug/kg	165	49.6	1	08/14/17 11:07	08/15/17 04:11	53-70-3	
Dibenzofuran	<22.1	ug/kg	73.7	22.1	1	08/14/17 11:07	08/15/17 04:11	132-64-9	
Diethylphthalate	<30.3	ug/kg	101	30.3	1	08/14/17 11:07	08/15/17 04:11	84-66-2	
Dimethylphthalate	<23.7	ug/kg	79.2	23.7	1	08/14/17 11:07	08/15/17 04:11	131-11-3	
Fluoranthene	<25.8	ug/kg	86.1	25.8	1	08/14/17 11:07	08/15/17 04:11	206-44-0	
Fluorene	<21.3	ug/kg	71.1	21.3	1	08/14/17 11:07	08/15/17 04:11	86-73-7	
Hexachloro-1,3-butadiene	<46.5	ug/kg	155	46.5	1	08/14/17 11:07	08/15/17 04:11	87-68-3	
Hexachlorobenzene	<30.7	ug/kg	102	30.7	1	08/14/17 11:07	08/15/17 04:11	118-74-1	
Hexachlorocyclopentadiene	<43.2	ug/kg	144	43.2	1	08/14/17 11:07	08/15/17 04:11	77-47-4	
Hexachloroethane	<29.2	ug/kg	97.4	29.2	1	08/14/17 11:07	08/15/17 04:11	67-72-1	
Indeno(1,2,3-cd)pyrene	<39.5	ug/kg	132	39.5	1	08/14/17 11:07	08/15/17 04:11	193-39-5	
Isophorone	<28.1	ug/kg	93.5	28.1	1	08/14/17 11:07	08/15/17 04:11	78-59-1	
N-Nitroso-di-n-propylamine	<29.0	ug/kg	96.5	29.0	1	08/14/17 11:07	08/15/17 04:11	621-64-7	
N-Nitrosodiphenylamine	<248	ug/kg	826	248	1	08/14/17 11:07	08/15/17 04:11	86-30-6	
Naphthalene	<63.8	ug/kg	213	63.8	1	08/14/17 11:07	08/15/17 04:11	91-20-3	
Nitrobenzene	<37.0	ug/kg	123	37.0	1	08/14/17 11:07	08/15/17 04:11	98-95-3	
Pentachlorophenol	<40.2	ug/kg	134	40.2	1	08/14/17 11:07	08/15/17 04:11	87-86-5	
Phenanthrene	<23.4	ug/kg	78.1	23.4	1	08/14/17 11:07	08/15/17 04:11	85-01-8	
Phenol	<43.3	ug/kg	144	43.3	1	08/14/17 11:07	08/15/17 04:11	108-95-2	
Pyrene	<40.5	ug/kg	135	40.5	1	08/14/17 11:07	08/15/17 04:11	129-00-0	
bis(2-Chloroethoxy)methane	<49.2	ug/kg	164	49.2	1	08/14/17 11:07	08/15/17 04:11	111-91-1	
bis(2-Chloroethyl) ether	<57.0	ug/kg	190	57.0	1	08/14/17 11:07	08/15/17 04:11	111-44-4	
bis(2-Ethylhexyl)phthalate	<30.4	ug/kg	101	30.4	1	08/14/17 11:07	08/15/17 04:11	117-81-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: **SB-49 5-7** Lab ID: **40154392008** Collected: 08/02/17 09:00 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Nitrobenzene-d5 (S)	77	%	13-114		1	08/14/17 11:07	08/15/17 04:11	4165-60-0	
2-Fluorobiphenyl (S)	76	%	18-127		1	08/14/17 11:07	08/15/17 04:11	321-60-8	
Terphenyl-d14 (S)	90	%	41-109		1	08/14/17 11:07	08/15/17 04:11	1718-51-0	
Phenol-d6 (S)	76	%	30-97		1	08/14/17 11:07	08/15/17 04:11	13127-88-3	
2-Fluorophenol (S)	79	%	16-103		1	08/14/17 11:07	08/15/17 04:11	367-12-4	
2,4,6-Tribromophenol (S)	100	%	13-143		1	08/14/17 11:07	08/15/17 04:11	118-79-6	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	75-25-2	R1,W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/07/17 08:00	08/07/17 12:37	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/07/17 08:00	08/07/17 12:37	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/07/17 08:00	08/07/17 12:37	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/07/17 08:00	08/07/17 12:37	96-12-8	R1,W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	124-48-1	R1,W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	106-93-4	M1,R1,W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	107-06-2	R1,W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	10061-02-6	R1,W

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Lab Project No.: 40154392

Sample: SB-49 5-7 Lab ID: 40154392008 Collected: 08/02/17 09:00 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	1634-04-4	R1,W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/07/17 08:00	08/07/17 12:37	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	79-34-5	M1,R1, W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/07/17 08:00	08/07/17 12:37	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	79-00-5	R1,W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/07/17 08:00	08/07/17 12:37	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:37	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	112	%	68-130		1	08/07/17 08:00	08/07/17 12:37	1868-53-7	
Toluene-d8 (S)	118	%	68-149		1	08/07/17 08:00	08/07/17 12:37	2037-26-5	
4-Bromofluorobenzene (S)	104	%	58-141		1	08/07/17 08:00	08/07/17 12:37	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	8.5	%	0.10	0.10	1		08/14/17 11:15		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154392

Sample: **SB-51 1-1.5** Lab ID: **40154392009** Collected: 08/02/17 10:40 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<29.7	ug/kg	59.5	29.7	1	08/08/17 13:03	08/10/17 15:22	12674-11-2	
PCB-1221 (Aroclor 1221)	<29.7	ug/kg	59.5	29.7	1	08/08/17 13:03	08/10/17 15:22	11104-28-2	
PCB-1232 (Aroclor 1232)	<29.7	ug/kg	59.5	29.7	1	08/08/17 13:03	08/10/17 15:22	11141-16-5	
PCB-1242 (Aroclor 1242)	<29.7	ug/kg	59.5	29.7	1	08/08/17 13:03	08/10/17 15:22	53469-21-9	
PCB-1248 (Aroclor 1248)	<29.7	ug/kg	59.5	29.7	1	08/08/17 13:03	08/10/17 15:22	12672-29-6	
PCB-1254 (Aroclor 1254)	<29.7	ug/kg	59.5	29.7	1	08/08/17 13:03	08/10/17 15:22	11097-69-1	
PCB-1260 (Aroclor 1260)	<29.7	ug/kg	59.5	29.7	1	08/08/17 13:03	08/10/17 15:22	11096-82-5	
PCB, Total	<29.7	ug/kg	59.5	29.7	1	08/08/17 13:03	08/10/17 15:22	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	80	%	50-102		1	08/08/17 13:03	08/10/17 15:22	877-09-8	
Decachlorobiphenyl (S)	86	%	53-105		1	08/08/17 13:03	08/10/17 15:22	2051-24-3	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	5.5J	mg/kg	5.5	1.2	1	08/09/17 11:44	08/10/17 13:02	7440-38-2	
Barium	103	mg/kg	0.55	0.17	1	08/09/17 11:44	08/10/17 13:02	7440-39-3	
Cadmium	1.2	mg/kg	0.55	0.15	1	08/09/17 11:44	08/10/17 13:02	7440-43-9	
Chromium	18.4	mg/kg	1.1	0.31	1	08/09/17 11:44	08/10/17 13:02	7440-47-3	
Lead	45.7	mg/kg	1.4	0.48	1	08/09/17 11:44	08/10/17 13:02	7439-92-1	
Selenium	<1.2	mg/kg	5.5	1.2	1	08/09/17 11:44	08/10/17 13:02	7782-49-2	
Silver	<0.38	mg/kg	1.1	0.38	1	08/09/17 11:44	08/10/17 13:02	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.035J	mg/kg	0.042	0.013	1	08/14/17 07:42	08/15/17 12:43	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<44.8	ug/kg	149	44.8	2	08/14/17 11:07	08/15/17 19:34	120-82-1	
1,2-Dichlorobenzene	<125	ug/kg	416	125	2	08/14/17 11:07	08/15/17 19:34	95-50-1	
1,3-Dichlorobenzene	<54.9	ug/kg	183	54.9	2	08/14/17 11:07	08/15/17 19:34	541-73-1	
1,4-Dichlorobenzene	<55.2	ug/kg	184	55.2	2	08/14/17 11:07	08/15/17 19:34	106-46-7	
2,2'-Oxybis(1-chloropropane)	<102	ug/kg	341	102	2	08/14/17 11:07	08/15/17 19:34	108-60-1	
2,4,5-Trichlorophenol	<70.0	ug/kg	233	70.0	2	08/14/17 11:07	08/15/17 19:34	95-95-4	
2,4,6-Trichlorophenol	<60.4	ug/kg	201	60.4	2	08/14/17 11:07	08/15/17 19:34	88-06-2	M1
2,4-Dichlorophenol	<106	ug/kg	353	106	2	08/14/17 11:07	08/15/17 19:34	120-83-2	
2,4-Dimethylphenol	<78.4	ug/kg	261	78.4	2	08/14/17 11:07	08/15/17 19:34	105-67-9	
2,4-Dinitrophenol	<121	ug/kg	403	121	2	08/14/17 11:07	08/15/17 19:34	51-28-5	L1,M0
2,4-Dinitrotoluene	<56.7	ug/kg	189	56.7	2	08/14/17 11:07	08/15/17 19:34	121-14-2	
2,6-Dinitrotoluene	<75.3	ug/kg	251	75.3	2	08/14/17 11:07	08/15/17 19:34	606-20-2	
2-Chloronaphthalene	<50.9	ug/kg	170	50.9	2	08/14/17 11:07	08/15/17 19:34	91-58-7	
2-Chlorophenol	<99.0	ug/kg	330	99.0	2	08/14/17 11:07	08/15/17 19:34	95-57-8	
2-Methylnaphthalene	131J	ug/kg	343	103	2	08/14/17 11:07	08/15/17 19:34	91-57-6	
2-Methylphenol(o-Cresol)	<72.0	ug/kg	240	72.0	2	08/14/17 11:07	08/15/17 19:34	95-48-7	
2-Nitroaniline	<113	ug/kg	377	113	2	08/14/17 11:07	08/15/17 19:34	88-74-4	
2-Nitrophenol	<125	ug/kg	417	125	2	08/14/17 11:07	08/15/17 19:34	88-75-5	
3&4-Methylphenol(m&p Cresol)	<72.7	ug/kg	242	72.7	2	08/14/17 11:07	08/15/17 19:34		
3,3'-Dichlorobenzidine	<108	ug/kg	359	108	2	08/14/17 11:07	08/15/17 19:34	91-94-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: **SB-51 1-1.5** Lab ID: **40154392009** Collected: 08/02/17 10:40 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<67.4	ug/kg	225	67.4	2	08/14/17 11:07	08/15/17 19:34	99-09-2	
4,6-Dinitro-2-methylphenol	<122	ug/kg	407	122	2	08/14/17 11:07	08/15/17 19:34	534-52-1	M1
4-Bromophenylphenyl ether	<83.0	ug/kg	277	83.0	2	08/14/17 11:07	08/15/17 19:34	101-55-3	
4-Chloro-3-methylphenol	<123	ug/kg	411	123	2	08/14/17 11:07	08/15/17 19:34	59-50-7	
4-Chloroaniline	<65.2	ug/kg	217	65.2	2	08/14/17 11:07	08/15/17 19:34	106-47-8	
4-Chlorophenylphenyl ether	<73.8	ug/kg	246	73.8	2	08/14/17 11:07	08/15/17 19:34	7005-72-3	
4-Nitroaniline	<165	ug/kg	548	165	2	08/14/17 11:07	08/15/17 19:34	100-01-6	
4-Nitrophenol	<99.8	ug/kg	333	99.8	2	08/14/17 11:07	08/15/17 19:34	100-02-7	M1
Acenaphthene	<141	ug/kg	469	141	2	08/14/17 11:07	08/15/17 19:34	83-32-9	
Acenaphthylene	<141	ug/kg	471	141	2	08/14/17 11:07	08/15/17 19:34	208-96-8	
Anthracene	391	ug/kg	211	63.4	2	08/14/17 11:07	08/15/17 19:34	120-12-7	
Benzo(a)anthracene	1010	ug/kg	205	61.4	2	08/14/17 11:07	08/15/17 19:34	56-55-3	
Benzo(a)pyrene	892	ug/kg	199	59.7	2	08/14/17 11:07	08/15/17 19:34	50-32-8	
Benzo(b)fluoranthene	1150	ug/kg	227	68.1	2	08/14/17 11:07	08/15/17 19:34	205-99-2	
Benzo(g,h,i)perylene	563	ug/kg	346	104	2	08/14/17 11:07	08/15/17 19:34	191-24-2	
Benzo(k)fluoranthene	440	ug/kg	316	94.9	2	08/14/17 11:07	08/15/17 19:34	207-08-9	
Butylbenzylphthalate	<63.6	ug/kg	212	63.6	2	08/14/17 11:07	08/15/17 19:34	85-68-7	
Carbazole	106J	ug/kg	207	62.1	2	08/14/17 11:07	08/15/17 19:34	86-74-8	
Chrysene	1090	ug/kg	198	59.3	2	08/14/17 11:07	08/15/17 19:34	218-01-9	
Di-n-butylphthalate	<59.3	ug/kg	198	59.3	2	08/14/17 11:07	08/15/17 19:34	84-74-2	L1
Di-n-octylphthalate	<89.1	ug/kg	297	89.1	2	08/14/17 11:07	08/15/17 19:34	117-84-0	
Dibenz(a,h)anthracene	140J	ug/kg	359	108	2	08/14/17 11:07	08/15/17 19:34	53-70-3	
Dibenzofuran	88.6J	ug/kg	160	48.0	2	08/14/17 11:07	08/15/17 19:34	132-64-9	
Diethylphthalate	<65.7	ug/kg	219	65.7	2	08/14/17 11:07	08/15/17 19:34	84-66-2	
Dimethylphthalate	<51.6	ug/kg	172	51.6	2	08/14/17 11:07	08/15/17 19:34	131-11-3	
Fluoranthene	2240	ug/kg	187	56.1	2	08/14/17 11:07	08/15/17 19:34	206-44-0	
Fluorene	131J	ug/kg	154	46.3	2	08/14/17 11:07	08/15/17 19:34	86-73-7	
Hexachloro-1,3-butadiene	<101	ug/kg	337	101	2	08/14/17 11:07	08/15/17 19:34	87-68-3	
Hexachlorobenzene	<66.7	ug/kg	222	66.7	2	08/14/17 11:07	08/15/17 19:34	118-74-1	
Hexachlorocyclopentadiene	<93.8	ug/kg	313	93.8	2	08/14/17 11:07	08/15/17 19:34	77-47-4	
Hexachloroethane	<63.4	ug/kg	211	63.4	2	08/14/17 11:07	08/15/17 19:34	67-72-1	
Indeno(1,2,3-cd)pyrene	616	ug/kg	286	85.8	2	08/14/17 11:07	08/15/17 19:34	193-39-5	
Isophorone	<60.9	ug/kg	203	60.9	2	08/14/17 11:07	08/15/17 19:34	78-59-1	
N-Nitroso-di-n-propylamine	<62.9	ug/kg	210	62.9	2	08/14/17 11:07	08/15/17 19:34	621-64-7	
N-Nitrosodiphenylamine	<538	ug/kg	1790	538	2	08/14/17 11:07	08/15/17 19:34	86-30-6	
Naphthalene	<139	ug/kg	462	139	2	08/14/17 11:07	08/15/17 19:34	91-20-3	
Nitrobenzene	<80.4	ug/kg	268	80.4	2	08/14/17 11:07	08/15/17 19:34	98-95-3	
Pentachlorophenol	<87.3	ug/kg	291	87.3	2	08/14/17 11:07	08/15/17 19:34	87-86-5	M1
Phenanthrene	1510	ug/kg	170	50.9	2	08/14/17 11:07	08/15/17 19:34	85-01-8	
Phenol	<94.1	ug/kg	314	94.1	2	08/14/17 11:07	08/15/17 19:34	108-95-2	
Pyrene	1590	ug/kg	293	87.9	2	08/14/17 11:07	08/15/17 19:34	129-00-0	
bis(2-Chloroethoxy)methane	<107	ug/kg	356	107	2	08/14/17 11:07	08/15/17 19:34	111-91-1	
bis(2-Chloroethyl) ether	<124	ug/kg	413	124	2	08/14/17 11:07	08/15/17 19:34	111-44-4	
bis(2-Ethylhexyl)phthalate	<65.9	ug/kg	220	65.9	2	08/14/17 11:07	08/15/17 19:34	117-81-7	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: SB-51 1-1.5 Lab ID: 40154392009 Collected: 08/02/17 10:40 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

Nitrobenzene-d5 (S)	67	%	13-114		2	08/14/17 11:07	08/15/17 19:34	4165-60-0	
2-Fluorobiphenyl (S)	65	%	18-127		2	08/14/17 11:07	08/15/17 19:34	321-60-8	
Terphenyl-d14 (S)	72	%	41-109		2	08/14/17 11:07	08/15/17 19:34	1718-51-0	
Phenol-d6 (S)	48	%	30-97		2	08/14/17 11:07	08/15/17 19:34	13127-88-3	
2-Fluorophenol (S)	35	%	16-103		2	08/14/17 11:07	08/15/17 19:34	367-12-4	
2,4,6-Tribromophenol (S)	30	%	13-143		2	08/14/17 11:07	08/15/17 19:34	118-79-6	

8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Benzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/07/17 08:00	08/08/17 09:13	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/07/17 08:00	08/08/17 09:13	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/07/17 08:00	08/08/17 09:13	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/07/17 08:00	08/08/17 09:13	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	108-20-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154392

Sample: **SB-51 1-1.5** Lab ID: **40154392009** Collected: 08/02/17 10:40 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	1634-04-4	W
Naphthalene	67.6J	ug/kg	297	47.6	1	08/07/17 08:00	08/08/17 09:13	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	79-34-5	W
Tetrachloroethene	244	ug/kg	71.4	29.7	1	08/07/17 08:00	08/08/17 09:13	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/07/17 08:00	08/08/17 09:13	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/07/17 08:00	08/08/17 09:13	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/08/17 09:13	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	140	%	68-130		1	08/07/17 08:00	08/08/17 09:13	1868-53-7	S1
Toluene-d8 (S)	144	%	68-149		1	08/07/17 08:00	08/08/17 09:13	2037-26-5	
4-Bromofluorobenzene (S)	128	%	58-141		1	08/07/17 08:00	08/08/17 09:13	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	15.9	%	0.10	0.10	1		08/14/17 11:15		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: **SB-46 4-5** Lab ID: **40154392010** Collected: 08/01/17 14:15 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<30.3	ug/kg	60.6	30.3	1	08/08/17 13:03	08/10/17 15:44	12674-11-2	
PCB-1221 (Aroclor 1221)	<30.3	ug/kg	60.6	30.3	1	08/08/17 13:03	08/10/17 15:44	11104-28-2	
PCB-1232 (Aroclor 1232)	<30.3	ug/kg	60.6	30.3	1	08/08/17 13:03	08/10/17 15:44	11141-16-5	
PCB-1242 (Aroclor 1242)	<30.3	ug/kg	60.6	30.3	1	08/08/17 13:03	08/10/17 15:44	53469-21-9	
PCB-1248 (Aroclor 1248)	<30.3	ug/kg	60.6	30.3	1	08/08/17 13:03	08/10/17 15:44	12672-29-6	
PCB-1254 (Aroclor 1254)	<30.3	ug/kg	60.6	30.3	1	08/08/17 13:03	08/10/17 15:44	11097-69-1	
PCB-1260 (Aroclor 1260)	<30.3	ug/kg	60.6	30.3	1	08/08/17 13:03	08/10/17 15:44	11096-82-5	
PCB, Total	<30.3	ug/kg	60.6	30.3	1	08/08/17 13:03	08/10/17 15:44	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	75	%	50-102		1	08/08/17 13:03	08/10/17 15:44	877-09-8	
Decachlorobiphenyl (S)	78	%	53-105		1	08/08/17 13:03	08/10/17 15:44	2051-24-3	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	2.7J	mg/kg	6.0	1.3	1	08/09/17 11:44	08/10/17 13:04	7440-38-2	
Barium	48.7	mg/kg	0.60	0.18	1	08/09/17 11:44	08/10/17 13:04	7440-39-3	
Cadmium	0.20J	mg/kg	0.60	0.16	1	08/09/17 11:44	08/10/17 13:04	7440-43-9	
Chromium	8.1	mg/kg	1.2	0.34	1	08/09/17 11:44	08/10/17 13:04	7440-47-3	
Lead	29.7	mg/kg	1.6	0.52	1	08/09/17 11:44	08/10/17 13:04	7439-92-1	
Selenium	<1.3	mg/kg	6.0	1.3	1	08/09/17 11:44	08/10/17 13:04	7782-49-2	
Silver	<0.42	mg/kg	1.2	0.42	1	08/09/17 11:44	08/10/17 13:04	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.019J	mg/kg	0.043	0.013	1	08/14/17 07:42	08/15/17 12:46	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<22.8	ug/kg	76.1	22.8	1	08/14/17 11:07	08/15/17 17:48	120-82-1	
1,2-Dichlorobenzene	<63.5	ug/kg	212	63.5	1	08/14/17 11:07	08/15/17 17:48	95-50-1	
1,3-Dichlorobenzene	<28.0	ug/kg	93.3	28.0	1	08/14/17 11:07	08/15/17 17:48	541-73-1	
1,4-Dichlorobenzene	<28.1	ug/kg	93.8	28.1	1	08/14/17 11:07	08/15/17 17:48	106-46-7	
2,2'-Oxybis(1-chloropropane)	<52.1	ug/kg	174	52.1	1	08/14/17 11:07	08/15/17 17:48	108-60-1	
2,4,5-Trichlorophenol	<35.7	ug/kg	119	35.7	1	08/14/17 11:07	08/15/17 17:48	95-95-4	
2,4,6-Trichlorophenol	<30.8	ug/kg	103	30.8	1	08/14/17 11:07	08/15/17 17:48	88-06-2	
2,4-Dichlorophenol	<54.0	ug/kg	180	54.0	1	08/14/17 11:07	08/15/17 17:48	120-83-2	
2,4-Dimethylphenol	<40.0	ug/kg	133	40.0	1	08/14/17 11:07	08/15/17 17:48	105-67-9	
2,4-Dinitrophenol	<61.5	ug/kg	205	61.5	1	08/14/17 11:07	08/15/17 17:48	51-28-5	L1
2,4-Dinitrotoluene	<28.9	ug/kg	96.3	28.9	1	08/14/17 11:07	08/15/17 17:48	121-14-2	
2,6-Dinitrotoluene	<38.4	ug/kg	128	38.4	1	08/14/17 11:07	08/15/17 17:48	606-20-2	
2-Chloronaphthalene	<25.9	ug/kg	86.5	25.9	1	08/14/17 11:07	08/15/17 17:48	91-58-7	
2-Chlorophenol	<50.4	ug/kg	168	50.4	1	08/14/17 11:07	08/15/17 17:48	95-57-8	
2-Methylnaphthalene	410	ug/kg	175	52.5	1	08/14/17 11:07	08/15/17 17:48	91-57-6	
2-Methylphenol(o-Cresol)	<36.7	ug/kg	122	36.7	1	08/14/17 11:07	08/15/17 17:48	95-48-7	
2-Nitroaniline	<57.6	ug/kg	192	57.6	1	08/14/17 11:07	08/15/17 17:48	88-74-4	
2-Nitrophenol	<63.8	ug/kg	213	63.8	1	08/14/17 11:07	08/15/17 17:48	88-75-5	
3&4-Methylphenol(m&p Cresol)	<37.0	ug/kg	123	37.0	1	08/14/17 11:07	08/15/17 17:48		
3,3'-Dichlorobenzidine	<54.8	ug/kg	183	54.8	1	08/14/17 11:07	08/15/17 17:48	91-94-1	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: SB-46 4-5 **Lab ID: 40154392010** Collected: 08/01/17 14:15 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<34.4	ug/kg	115	34.4	1	08/14/17 11:07	08/15/17 17:48	99-09-2	
4,6-Dinitro-2-methylphenol	<62.3	ug/kg	208	62.3	1	08/14/17 11:07	08/15/17 17:48	534-52-1	
4-Bromophenylphenyl ether	<42.3	ug/kg	141	42.3	1	08/14/17 11:07	08/15/17 17:48	101-55-3	
4-Chloro-3-methylphenol	<62.9	ug/kg	210	62.9	1	08/14/17 11:07	08/15/17 17:48	59-50-7	
4-Chloroaniline	<33.2	ug/kg	111	33.2	1	08/14/17 11:07	08/15/17 17:48	106-47-8	
4-Chlorophenylphenyl ether	<37.6	ug/kg	125	37.6	1	08/14/17 11:07	08/15/17 17:48	7005-72-3	
4-Nitroaniline	<83.9	ug/kg	280	83.9	1	08/14/17 11:07	08/15/17 17:48	100-01-6	
4-Nitrophenol	<50.9	ug/kg	170	50.9	1	08/14/17 11:07	08/15/17 17:48	100-02-7	
Acenaphthene	<71.6	ug/kg	239	71.6	1	08/14/17 11:07	08/15/17 17:48	83-32-9	
Acenaphthylene	<72.1	ug/kg	240	72.1	1	08/14/17 11:07	08/15/17 17:48	208-96-8	
Anthracene	85.6J	ug/kg	108	32.3	1	08/14/17 11:07	08/15/17 17:48	120-12-7	
Benzo(a)anthracene	212	ug/kg	104	31.3	1	08/14/17 11:07	08/15/17 17:48	56-55-3	
Benzo(a)pyrene	224	ug/kg	101	30.4	1	08/14/17 11:07	08/15/17 17:48	50-32-8	
Benzo(b)fluoranthene	144	ug/kg	116	34.7	1	08/14/17 11:07	08/15/17 17:48	205-99-2	
Benzo(g,h,i)perylene	443	ug/kg	176	52.9	1	08/14/17 11:07	08/15/17 17:48	191-24-2	
Benzo(k)fluoranthene	<48.4	ug/kg	161	48.4	1	08/14/17 11:07	08/15/17 17:48	207-08-9	
Butylbenzylphthalate	<32.4	ug/kg	108	32.4	1	08/14/17 11:07	08/15/17 17:48	85-68-7	
Carbazole	<31.6	ug/kg	105	31.6	1	08/14/17 11:07	08/15/17 17:48	86-74-8	
Chrysene	359	ug/kg	101	30.2	1	08/14/17 11:07	08/15/17 17:48	218-01-9	
Di-n-butylphthalate	<30.2	ug/kg	101	30.2	1	08/14/17 11:07	08/15/17 17:48	84-74-2	L1
Di-n-octylphthalate	<45.4	ug/kg	151	45.4	1	08/14/17 11:07	08/15/17 17:48	117-84-0	
Dibenz(a,h)anthracene	89.2J	ug/kg	183	54.9	1	08/14/17 11:07	08/15/17 17:48	53-70-3	
Dibenzofuran	80.5J	ug/kg	81.5	24.5	1	08/14/17 11:07	08/15/17 17:48	132-64-9	
Diethylphthalate	<33.5	ug/kg	112	33.5	1	08/14/17 11:07	08/15/17 17:48	84-66-2	
Dimethylphthalate	<26.3	ug/kg	87.6	26.3	1	08/14/17 11:07	08/15/17 17:48	131-11-3	
Fluoranthene	127	ug/kg	95.3	28.6	1	08/14/17 11:07	08/15/17 17:48	206-44-0	
Fluorene	30.2J	ug/kg	78.7	23.6	1	08/14/17 11:07	08/15/17 17:48	86-73-7	
Hexachloro-1,3-butadiene	<51.5	ug/kg	172	51.5	1	08/14/17 11:07	08/15/17 17:48	87-68-3	
Hexachlorobenzene	<34.0	ug/kg	113	34.0	1	08/14/17 11:07	08/15/17 17:48	118-74-1	
Hexachlorocyclopentadiene	<47.8	ug/kg	159	47.8	1	08/14/17 11:07	08/15/17 17:48	77-47-4	
Hexachloroethane	<32.3	ug/kg	108	32.3	1	08/14/17 11:07	08/15/17 17:48	67-72-1	
Indeno(1,2,3-cd)pyrene	140J	ug/kg	146	43.7	1	08/14/17 11:07	08/15/17 17:48	193-39-5	
Isophorone	<31.1	ug/kg	104	31.1	1	08/14/17 11:07	08/15/17 17:48	78-59-1	
N-Nitroso-di-n-propylamine	<32.0	ug/kg	107	32.0	1	08/14/17 11:07	08/15/17 17:48	621-64-7	
N-Nitrosodiphenylamine	<274	ug/kg	914	274	1	08/14/17 11:07	08/15/17 17:48	86-30-6	
Naphthalene	189J	ug/kg	235	70.6	1	08/14/17 11:07	08/15/17 17:48	91-20-3	
Nitrobenzene	<41.0	ug/kg	137	41.0	1	08/14/17 11:07	08/15/17 17:48	98-95-3	
Pentachlorophenol	<44.5	ug/kg	148	44.5	1	08/14/17 11:07	08/15/17 17:48	87-86-5	
Phenanthrene	528	ug/kg	86.4	25.9	1	08/14/17 11:07	08/15/17 17:48	85-01-8	
Phenol	<47.9	ug/kg	160	47.9	1	08/14/17 11:07	08/15/17 17:48	108-95-2	
Pyrene	312	ug/kg	149	44.8	1	08/14/17 11:07	08/15/17 17:48	129-00-0	
bis(2-Chloroethoxy)methane	<54.4	ug/kg	181	54.4	1	08/14/17 11:07	08/15/17 17:48	111-91-1	
bis(2-Chloroethyl) ether	<63.1	ug/kg	210	63.1	1	08/14/17 11:07	08/15/17 17:48	111-44-4	
bis(2-Ethylhexyl)phthalate	<33.6	ug/kg	112	33.6	1	08/14/17 11:07	08/15/17 17:48	117-81-7	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: SB-46 4-5 Lab ID: 40154392010 Collected: 08/01/17 14:15 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

Nitrobenzene-d5 (S)	81	%	13-114		1	08/14/17 11:07	08/15/17 17:48	4165-60-0	
2-Fluorobiphenyl (S)	75	%	18-127		1	08/14/17 11:07	08/15/17 17:48	321-60-8	
Terphenyl-d14 (S)	89	%	41-109		1	08/14/17 11:07	08/15/17 17:48	1718-51-0	
Phenol-d6 (S)	62	%	30-97		1	08/14/17 11:07	08/15/17 17:48	13127-88-3	
2-Fluorophenol (S)	63	%	16-103		1	08/14/17 11:07	08/15/17 17:48	367-12-4	
2,4,6-Tribromophenol (S)	71	%	13-143		1	08/14/17 11:07	08/15/17 17:48	118-79-6	

8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Benzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/07/17 08:00	08/07/17 16:45	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/07/17 08:00	08/07/17 16:45	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/07/17 08:00	08/07/17 16:45	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/07/17 08:00	08/07/17 16:45	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	108-20-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: **SB-46 4-5** Lab ID: **40154392010** Collected: 08/01/17 14:15 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	1634-04-4	W
Naphthalene	51.3J	ug/kg	303	48.5	1	08/07/17 08:00	08/07/17 16:45	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	127-18-4	W
Toluene	39.2J	ug/kg	72.7	30.3	1	08/07/17 08:00	08/07/17 16:45	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/07/17 08:00	08/07/17 16:45	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/07/17 08:00	08/07/17 16:45	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:45	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	105	%	68-130		1	08/07/17 08:00	08/07/17 16:45	1868-53-7	
Toluene-d8 (S)	105	%	68-149		1	08/07/17 08:00	08/07/17 16:45	2037-26-5	
4-Bromofluorobenzene (S)	93	%	58-141		1	08/07/17 08:00	08/07/17 16:45	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	17.5	%	0.10	0.10	1		08/14/17 11:15		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: **SB-45 2-3** Lab ID: **40154392011** Collected: 08/01/17 13:30 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<27.6	ug/kg	55.2	27.6	1	08/08/17 13:03	08/10/17 16:05	12674-11-2	
PCB-1221 (Aroclor 1221)	<27.6	ug/kg	55.2	27.6	1	08/08/17 13:03	08/10/17 16:05	11104-28-2	
PCB-1232 (Aroclor 1232)	<27.6	ug/kg	55.2	27.6	1	08/08/17 13:03	08/10/17 16:05	11141-16-5	
PCB-1242 (Aroclor 1242)	<27.6	ug/kg	55.2	27.6	1	08/08/17 13:03	08/10/17 16:05	53469-21-9	
PCB-1248 (Aroclor 1248)	<27.6	ug/kg	55.2	27.6	1	08/08/17 13:03	08/10/17 16:05	12672-29-6	
PCB-1254 (Aroclor 1254)	<27.6	ug/kg	55.2	27.6	1	08/08/17 13:03	08/10/17 16:05	11097-69-1	
PCB-1260 (Aroclor 1260)	<27.6	ug/kg	55.2	27.6	1	08/08/17 13:03	08/10/17 16:05	11096-82-5	
PCB, Total	<27.6	ug/kg	55.2	27.6	1	08/08/17 13:03	08/10/17 16:05	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	79	%	50-102		1	08/08/17 13:03	08/10/17 16:05	877-09-8	
Decachlorobiphenyl (S)	84	%	53-105		1	08/08/17 13:03	08/10/17 16:05	2051-24-3	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	2.7J	mg/kg	5.1	1.1	1	08/09/17 11:44	08/10/17 13:07	7440-38-2	
Barium	32.9	mg/kg	0.51	0.15	1	08/09/17 11:44	08/10/17 13:07	7440-39-3	
Cadmium	<0.14	mg/kg	0.51	0.14	1	08/09/17 11:44	08/10/17 13:07	7440-43-9	
Chromium	7.7	mg/kg	1.0	0.29	1	08/09/17 11:44	08/10/17 13:07	7440-47-3	
Lead	6.9	mg/kg	1.3	0.44	1	08/09/17 11:44	08/10/17 13:07	7439-92-1	
Selenium	<1.1	mg/kg	5.1	1.1	1	08/09/17 11:44	08/10/17 13:07	7782-49-2	
Silver	<0.35	mg/kg	1.0	0.35	1	08/09/17 11:44	08/10/17 13:07	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	<0.011	mg/kg	0.037	0.011	1	08/14/17 07:42	08/15/17 12:48	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<20.8	ug/kg	69.4	20.8	1	08/14/17 11:07	08/15/17 18:09	120-82-1	
1,2-Dichlorobenzene	<57.9	ug/kg	193	57.9	1	08/14/17 11:07	08/15/17 18:09	95-50-1	
1,3-Dichlorobenzene	<25.5	ug/kg	85.0	25.5	1	08/14/17 11:07	08/15/17 18:09	541-73-1	
1,4-Dichlorobenzene	<25.7	ug/kg	85.5	25.7	1	08/14/17 11:07	08/15/17 18:09	106-46-7	
2,2'-Oxybis(1-chloropropane)	<47.5	ug/kg	158	47.5	1	08/14/17 11:07	08/15/17 18:09	108-60-1	
2,4,5-Trichlorophenol	<32.5	ug/kg	108	32.5	1	08/14/17 11:07	08/15/17 18:09	95-95-4	
2,4,6-Trichlorophenol	<28.1	ug/kg	93.6	28.1	1	08/14/17 11:07	08/15/17 18:09	88-06-2	
2,4-Dichlorophenol	<49.2	ug/kg	164	49.2	1	08/14/17 11:07	08/15/17 18:09	120-83-2	
2,4-Dimethylphenol	<36.4	ug/kg	121	36.4	1	08/14/17 11:07	08/15/17 18:09	105-67-9	
2,4-Dinitrophenol	<56.1	ug/kg	187	56.1	1	08/14/17 11:07	08/15/17 18:09	51-28-5	L1
2,4-Dinitrotoluene	<26.3	ug/kg	87.8	26.3	1	08/14/17 11:07	08/15/17 18:09	121-14-2	
2,6-Dinitrotoluene	<35.0	ug/kg	117	35.0	1	08/14/17 11:07	08/15/17 18:09	606-20-2	
2-Chloronaphthalene	<23.6	ug/kg	78.8	23.6	1	08/14/17 11:07	08/15/17 18:09	91-58-7	
2-Chlorophenol	<46.0	ug/kg	153	46.0	1	08/14/17 11:07	08/15/17 18:09	95-57-8	
2-Methylnaphthalene	367	ug/kg	159	47.8	1	08/14/17 11:07	08/15/17 18:09	91-57-6	
2-Methylphenol(o-Cresol)	<33.5	ug/kg	112	33.5	1	08/14/17 11:07	08/15/17 18:09	95-48-7	
2-Nitroaniline	<52.5	ug/kg	175	52.5	1	08/14/17 11:07	08/15/17 18:09	88-74-4	
2-Nitrophenol	<58.1	ug/kg	194	58.1	1	08/14/17 11:07	08/15/17 18:09	88-75-5	
3&4-Methylphenol(m&p Cresol)	<33.7	ug/kg	112	33.7	1	08/14/17 11:07	08/15/17 18:09		
3,3'-Dichlorobenzidine	<50.0	ug/kg	167	50.0	1	08/14/17 11:07	08/15/17 18:09	91-94-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: SB-45 2-3 **Lab ID: 40154392011** Collected: 08/01/17 13:30 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<31.3	ug/kg	104	31.3	1	08/14/17 11:07	08/15/17 18:09	99-09-2	
4,6-Dinitro-2-methylphenol	<56.8	ug/kg	189	56.8	1	08/14/17 11:07	08/15/17 18:09	534-52-1	
4-Bromophenylphenyl ether	<38.6	ug/kg	129	38.6	1	08/14/17 11:07	08/15/17 18:09	101-55-3	
4-Chloro-3-methylphenol	<57.3	ug/kg	191	57.3	1	08/14/17 11:07	08/15/17 18:09	59-50-7	
4-Chloroaniline	<30.3	ug/kg	101	30.3	1	08/14/17 11:07	08/15/17 18:09	106-47-8	
4-Chlorophenylphenyl ether	<34.3	ug/kg	114	34.3	1	08/14/17 11:07	08/15/17 18:09	7005-72-3	
4-Nitroaniline	<76.4	ug/kg	255	76.4	1	08/14/17 11:07	08/15/17 18:09	100-01-6	
4-Nitrophenol	<46.4	ug/kg	155	46.4	1	08/14/17 11:07	08/15/17 18:09	100-02-7	
Acenaphthene	<65.3	ug/kg	218	65.3	1	08/14/17 11:07	08/15/17 18:09	83-32-9	
Acenaphthylene	<65.7	ug/kg	219	65.7	1	08/14/17 11:07	08/15/17 18:09	208-96-8	
Anthracene	48.9J	ug/kg	98.1	29.4	1	08/14/17 11:07	08/15/17 18:09	120-12-7	
Benzo(a)anthracene	84.1J	ug/kg	95.1	28.5	1	08/14/17 11:07	08/15/17 18:09	56-55-3	
Benzo(a)pyrene	71.7J	ug/kg	92.4	27.7	1	08/14/17 11:07	08/15/17 18:09	50-32-8	
Benzo(b)fluoranthene	69.0J	ug/kg	105	31.6	1	08/14/17 11:07	08/15/17 18:09	205-99-2	
Benzo(g,h,i)perylene	116J	ug/kg	161	48.2	1	08/14/17 11:07	08/15/17 18:09	191-24-2	
Benzo(k)fluoranthene	<44.1	ug/kg	147	44.1	1	08/14/17 11:07	08/15/17 18:09	207-08-9	
Butylbenzylphthalate	<29.5	ug/kg	98.4	29.5	1	08/14/17 11:07	08/15/17 18:09	85-68-7	
Carbazole	<28.8	ug/kg	96.1	28.8	1	08/14/17 11:07	08/15/17 18:09	86-74-8	
Chrysene	127	ug/kg	91.8	27.5	1	08/14/17 11:07	08/15/17 18:09	218-01-9	
Di-n-butylphthalate	<27.5	ug/kg	91.7	27.5	1	08/14/17 11:07	08/15/17 18:09	84-74-2	L1
Di-n-octylphthalate	<41.4	ug/kg	138	41.4	1	08/14/17 11:07	08/15/17 18:09	117-84-0	
Dibenz(a,h)anthracene	<50.0	ug/kg	167	50.0	1	08/14/17 11:07	08/15/17 18:09	53-70-3	
Dibenzofuran	90.7	ug/kg	74.3	22.3	1	08/14/17 11:07	08/15/17 18:09	132-64-9	
Diethylphthalate	<30.5	ug/kg	102	30.5	1	08/14/17 11:07	08/15/17 18:09	84-66-2	
Dimethylphthalate	<24.0	ug/kg	79.8	24.0	1	08/14/17 11:07	08/15/17 18:09	131-11-3	
Fluoranthene	95.5	ug/kg	86.8	26.1	1	08/14/17 11:07	08/15/17 18:09	206-44-0	
Fluorene	<21.5	ug/kg	71.7	21.5	1	08/14/17 11:07	08/15/17 18:09	86-73-7	
Hexachloro-1,3-butadiene	<46.9	ug/kg	156	46.9	1	08/14/17 11:07	08/15/17 18:09	87-68-3	
Hexachlorobenzene	<31.0	ug/kg	103	31.0	1	08/14/17 11:07	08/15/17 18:09	118-74-1	
Hexachlorocyclopentadiene	<43.6	ug/kg	145	43.6	1	08/14/17 11:07	08/15/17 18:09	77-47-4	
Hexachloroethane	<29.5	ug/kg	98.2	29.5	1	08/14/17 11:07	08/15/17 18:09	67-72-1	
Indeno(1,2,3-cd)pyrene	58.5J	ug/kg	133	39.8	1	08/14/17 11:07	08/15/17 18:09	193-39-5	
Isophorone	<28.3	ug/kg	94.4	28.3	1	08/14/17 11:07	08/15/17 18:09	78-59-1	
N-Nitroso-di-n-propylamine	<29.2	ug/kg	97.3	29.2	1	08/14/17 11:07	08/15/17 18:09	621-64-7	
N-Nitrosodiphenylamine	<250	ug/kg	833	250	1	08/14/17 11:07	08/15/17 18:09	86-30-6	
Naphthalene	148J	ug/kg	215	64.4	1	08/14/17 11:07	08/15/17 18:09	91-20-3	
Nitrobenzene	<37.3	ug/kg	124	37.3	1	08/14/17 11:07	08/15/17 18:09	98-95-3	
Pentachlorophenol	<40.6	ug/kg	135	40.6	1	08/14/17 11:07	08/15/17 18:09	87-86-5	
Phenanthrene	362	ug/kg	78.7	23.6	1	08/14/17 11:07	08/15/17 18:09	85-01-8	
Phenol	<43.7	ug/kg	146	43.7	1	08/14/17 11:07	08/15/17 18:09	108-95-2	
Pyrene	158	ug/kg	136	40.8	1	08/14/17 11:07	08/15/17 18:09	129-00-0	
bis(2-Chloroethoxy)methane	<49.6	ug/kg	165	49.6	1	08/14/17 11:07	08/15/17 18:09	111-91-1	
bis(2-Chloroethyl) ether	<57.5	ug/kg	192	57.5	1	08/14/17 11:07	08/15/17 18:09	111-44-4	
bis(2-Ethylhexyl)phthalate	<30.6	ug/kg	102	30.6	1	08/14/17 11:07	08/15/17 18:09	117-81-7	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: **SB-45 2-3** Lab ID: **40154392011** Collected: 08/01/17 13:30 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

Nitrobenzene-d5 (S)	65	%	13-114		1	08/14/17 11:07	08/15/17 18:09	4165-60-0	
2-Fluorobiphenyl (S)	71	%	18-127		1	08/14/17 11:07	08/15/17 18:09	321-60-8	
Terphenyl-d14 (S)	71	%	41-109		1	08/14/17 11:07	08/15/17 18:09	1718-51-0	
Phenol-d6 (S)	53	%	30-97		1	08/14/17 11:07	08/15/17 18:09	13127-88-3	
2-Fluorophenol (S)	53	%	16-103		1	08/14/17 11:07	08/15/17 18:09	367-12-4	
2,4,6-Tribromophenol (S)	73	%	13-143		1	08/14/17 11:07	08/15/17 18:09	118-79-6	

8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Benzene	53.6J	ug/kg	66.2	27.6	1	08/07/17 08:00	08/07/17 17:08	71-43-2	
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/07/17 08:00	08/07/17 17:08	74-83-9	W
n-Butylbenzene	32.0J	ug/kg	66.2	27.6	1	08/07/17 08:00	08/07/17 17:08	104-51-8	
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/07/17 08:00	08/07/17 17:08	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/07/17 08:00	08/07/17 17:08	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/07/17 08:00	08/07/17 17:08	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	108-20-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: **SB-45 2-3** Lab ID: **40154392011** Collected: 08/01/17 13:30 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Ethylbenzene	82.8	ug/kg	66.2	27.6	1	08/07/17 08:00	08/07/17 17:08	100-41-4	
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	98-82-8	W
p-Isopropyltoluene	33.9J	ug/kg	66.2	27.6	1	08/07/17 08:00	08/07/17 17:08	99-87-6	
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	1634-04-4	W
Naphthalene	196J	ug/kg	276	44.2	1	08/07/17 08:00	08/07/17 17:08	91-20-3	
n-Propylbenzene	37.3J	ug/kg	66.2	27.6	1	08/07/17 08:00	08/07/17 17:08	103-65-1	
Styrene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	127-18-4	W
Toluene	143	ug/kg	66.2	27.6	1	08/07/17 08:00	08/07/17 17:08	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/07/17 08:00	08/07/17 17:08	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	96-18-4	W
1,2,4-Trimethylbenzene	193	ug/kg	66.2	27.6	1	08/07/17 08:00	08/07/17 17:08	95-63-6	
1,3,5-Trimethylbenzene	65.3J	ug/kg	66.2	27.6	1	08/07/17 08:00	08/07/17 17:08	108-67-8	
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:08	75-01-4	W
m&p-Xylene	190	ug/kg	132	55.2	1	08/07/17 08:00	08/07/17 17:08	179601-23-1	
o-Xylene	152	ug/kg	66.2	27.6	1	08/07/17 08:00	08/07/17 17:08	95-47-6	
Surrogates									
Dibromofluoromethane (S)	110	%	68-130		1	08/07/17 08:00	08/07/17 17:08	1868-53-7	
Toluene-d8 (S)	112	%	68-149		1	08/07/17 08:00	08/07/17 17:08	2037-26-5	
4-Bromofluorobenzene (S)	100	%	58-141		1	08/07/17 08:00	08/07/17 17:08	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	9.3	%	0.10	0.10	1		08/14/17 11:15		
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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: **SB-12 1-1.5** Lab ID: **40154392012** Collected: 08/01/17 15:20 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<29.6	ug/kg	59.2	29.6	1	08/08/17 13:03	08/10/17 09:42	12674-11-2	
PCB-1221 (Aroclor 1221)	<29.6	ug/kg	59.2	29.6	1	08/08/17 13:03	08/10/17 09:42	11104-28-2	
PCB-1232 (Aroclor 1232)	<29.6	ug/kg	59.2	29.6	1	08/08/17 13:03	08/10/17 09:42	11141-16-5	
PCB-1242 (Aroclor 1242)	<29.6	ug/kg	59.2	29.6	1	08/08/17 13:03	08/10/17 09:42	53469-21-9	
PCB-1248 (Aroclor 1248)	<29.6	ug/kg	59.2	29.6	1	08/08/17 13:03	08/10/17 09:42	12672-29-6	
PCB-1254 (Aroclor 1254)	<29.6	ug/kg	59.2	29.6	1	08/08/17 13:03	08/10/17 09:42	11097-69-1	
PCB-1260 (Aroclor 1260)	<29.6	ug/kg	59.2	29.6	1	08/08/17 13:03	08/10/17 09:42	11096-82-5	
PCB, Total	<29.6	ug/kg	59.2	29.6	1	08/08/17 13:03	08/10/17 09:42	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	81	%	50-102		1	08/08/17 13:03	08/10/17 09:42	877-09-8	
Decachlorobiphenyl (S)	84	%	53-105		1	08/08/17 13:03	08/10/17 09:42	2051-24-3	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	6.4	mg/kg	5.6	1.2	1	08/09/17 11:44	08/10/17 13:09	7440-38-2	
Barium	161	mg/kg	0.56	0.17	1	08/09/17 11:44	08/10/17 13:09	7440-39-3	
Cadmium	0.43J	mg/kg	0.56	0.15	1	08/09/17 11:44	08/10/17 13:09	7440-43-9	
Chromium	22.0	mg/kg	1.1	0.31	1	08/09/17 11:44	08/10/17 13:09	7440-47-3	
Lead	27.5	mg/kg	1.5	0.48	1	08/09/17 11:44	08/10/17 13:09	7439-92-1	
Selenium	<1.2	mg/kg	5.6	1.2	1	08/09/17 11:44	08/10/17 13:09	7782-49-2	
Silver	<0.38	mg/kg	1.1	0.38	1	08/09/17 11:44	08/10/17 13:09	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.025J	mg/kg	0.041	0.012	1	08/14/17 07:42	08/15/17 12:50	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<22.3	ug/kg	74.5	22.3	1	08/14/17 11:07	08/15/17 18:31	120-82-1	
1,2-Dichlorobenzene	<62.2	ug/kg	207	62.2	1	08/14/17 11:07	08/15/17 18:31	95-50-1	
1,3-Dichlorobenzene	<27.4	ug/kg	91.3	27.4	1	08/14/17 11:07	08/15/17 18:31	541-73-1	
1,4-Dichlorobenzene	<27.5	ug/kg	91.8	27.5	1	08/14/17 11:07	08/15/17 18:31	106-46-7	
2,2'-Oxybis(1-chloropropane)	<51.0	ug/kg	170	51.0	1	08/14/17 11:07	08/15/17 18:31	108-60-1	
2,4,5-Trichlorophenol	<34.9	ug/kg	116	34.9	1	08/14/17 11:07	08/15/17 18:31	95-95-4	
2,4,6-Trichlorophenol	<30.1	ug/kg	100	30.1	1	08/14/17 11:07	08/15/17 18:31	88-06-2	
2,4-Dichlorophenol	<52.8	ug/kg	176	52.8	1	08/14/17 11:07	08/15/17 18:31	120-83-2	
2,4-Dimethylphenol	<39.1	ug/kg	130	39.1	1	08/14/17 11:07	08/15/17 18:31	105-67-9	
2,4-Dinitrophenol	<60.2	ug/kg	201	60.2	1	08/14/17 11:07	08/15/17 18:31	51-28-5	L1
2,4-Dinitrotoluene	<28.3	ug/kg	94.2	28.3	1	08/14/17 11:07	08/15/17 18:31	121-14-2	
2,6-Dinitrotoluene	<37.5	ug/kg	125	37.5	1	08/14/17 11:07	08/15/17 18:31	606-20-2	
2-Chloronaphthalene	<25.4	ug/kg	84.6	25.4	1	08/14/17 11:07	08/15/17 18:31	91-58-7	
2-Chlorophenol	<49.3	ug/kg	164	49.3	1	08/14/17 11:07	08/15/17 18:31	95-57-8	
2-Methylnaphthalene	69.8J	ug/kg	171	51.3	1	08/14/17 11:07	08/15/17 18:31	91-57-6	
2-Methylphenol(o-Cresol)	<35.9	ug/kg	120	35.9	1	08/14/17 11:07	08/15/17 18:31	95-48-7	
2-Nitroaniline	<56.3	ug/kg	188	56.3	1	08/14/17 11:07	08/15/17 18:31	88-74-4	
2-Nitrophenol	<62.4	ug/kg	208	62.4	1	08/14/17 11:07	08/15/17 18:31	88-75-5	
3&4-Methylphenol(m&p Cresol)	<36.2	ug/kg	121	36.2	1	08/14/17 11:07	08/15/17 18:31		
3,3'-Dichlorobenzidine	<53.6	ug/kg	179	53.6	1	08/14/17 11:07	08/15/17 18:31	91-94-1	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: **SB-12 1-1.5** Lab ID: **40154392012** Collected: 08/01/17 15:20 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<33.6	ug/kg	112	33.6	1	08/14/17 11:07	08/15/17 18:31	99-09-2	
4,6-Dinitro-2-methylphenol	<60.9	ug/kg	203	60.9	1	08/14/17 11:07	08/15/17 18:31	534-52-1	
4-Bromophenylphenyl ether	<41.4	ug/kg	138	41.4	1	08/14/17 11:07	08/15/17 18:31	101-55-3	
4-Chloro-3-methylphenol	<61.5	ug/kg	205	61.5	1	08/14/17 11:07	08/15/17 18:31	59-50-7	
4-Chloroaniline	<32.5	ug/kg	108	32.5	1	08/14/17 11:07	08/15/17 18:31	106-47-8	
4-Chlorophenylphenyl ether	<36.8	ug/kg	123	36.8	1	08/14/17 11:07	08/15/17 18:31	7005-72-3	
4-Nitroaniline	<82.1	ug/kg	274	82.1	1	08/14/17 11:07	08/15/17 18:31	100-01-6	
4-Nitrophenol	<49.8	ug/kg	166	49.8	1	08/14/17 11:07	08/15/17 18:31	100-02-7	
Acenaphthene	106J	ug/kg	234	70.1	1	08/14/17 11:07	08/15/17 18:31	83-32-9	
Acenaphthylene	81.5J	ug/kg	235	70.5	1	08/14/17 11:07	08/15/17 18:31	208-96-8	
Anthracene	358	ug/kg	105	31.6	1	08/14/17 11:07	08/15/17 18:31	120-12-7	
Benzo(a)anthracene	913	ug/kg	102	30.6	1	08/14/17 11:07	08/15/17 18:31	56-55-3	
Benzo(a)pyrene	1030	ug/kg	99.2	29.7	1	08/14/17 11:07	08/15/17 18:31	50-32-8	
Benzo(b)fluoranthene	1160	ug/kg	113	34.0	1	08/14/17 11:07	08/15/17 18:31	205-99-2	
Benzo(g,h,i)perylene	676	ug/kg	172	51.7	1	08/14/17 11:07	08/15/17 18:31	191-24-2	
Benzo(k)fluoranthene	536	ug/kg	158	47.3	1	08/14/17 11:07	08/15/17 18:31	207-08-9	
Butylbenzylphthalate	80.7J	ug/kg	106	31.7	1	08/14/17 11:07	08/15/17 18:31	85-68-7	
Carbazole	149	ug/kg	103	31.0	1	08/14/17 11:07	08/15/17 18:31	86-74-8	
Chrysene	1070	ug/kg	98.5	29.6	1	08/14/17 11:07	08/15/17 18:31	218-01-9	
Di-n-butylphthalate	<29.5	ug/kg	98.5	29.5	1	08/14/17 11:07	08/15/17 18:31	84-74-2	L1
Di-n-octylphthalate	<44.5	ug/kg	148	44.5	1	08/14/17 11:07	08/15/17 18:31	117-84-0	
Dibenz(a,h)anthracene	155J	ug/kg	179	53.7	1	08/14/17 11:07	08/15/17 18:31	53-70-3	
Dibenzofuran	54.5J	ug/kg	79.8	23.9	1	08/14/17 11:07	08/15/17 18:31	132-64-9	
Diethylphthalate	<32.8	ug/kg	109	32.8	1	08/14/17 11:07	08/15/17 18:31	84-66-2	
Dimethylphthalate	<25.7	ug/kg	85.7	25.7	1	08/14/17 11:07	08/15/17 18:31	131-11-3	
Fluoranthene	2320	ug/kg	93.2	28.0	1	08/14/17 11:07	08/15/17 18:31	206-44-0	
Fluorene	119	ug/kg	77.0	23.1	1	08/14/17 11:07	08/15/17 18:31	86-73-7	
Hexachloro-1,3-butadiene	<50.4	ug/kg	168	50.4	1	08/14/17 11:07	08/15/17 18:31	87-68-3	
Hexachlorobenzene	<33.2	ug/kg	111	33.2	1	08/14/17 11:07	08/15/17 18:31	118-74-1	
Hexachlorocyclopentadiene	<46.8	ug/kg	156	46.8	1	08/14/17 11:07	08/15/17 18:31	77-47-4	
Hexachloroethane	<31.6	ug/kg	105	31.6	1	08/14/17 11:07	08/15/17 18:31	67-72-1	
Indeno(1,2,3-cd)pyrene	724	ug/kg	143	42.8	1	08/14/17 11:07	08/15/17 18:31	193-39-5	
Isophorone	<30.4	ug/kg	101	30.4	1	08/14/17 11:07	08/15/17 18:31	78-59-1	
N-Nitroso-di-n-propylamine	<31.4	ug/kg	105	31.4	1	08/14/17 11:07	08/15/17 18:31	621-64-7	
N-Nitrosodiphenylamine	<268	ug/kg	894	268	1	08/14/17 11:07	08/15/17 18:31	86-30-6	
Naphthalene	<69.1	ug/kg	230	69.1	1	08/14/17 11:07	08/15/17 18:31	91-20-3	
Nitrobenzene	<40.1	ug/kg	134	40.1	1	08/14/17 11:07	08/15/17 18:31	98-95-3	
Pentachlorophenol	<43.5	ug/kg	145	43.5	1	08/14/17 11:07	08/15/17 18:31	87-86-5	
Phenanthrene	1270	ug/kg	84.5	25.4	1	08/14/17 11:07	08/15/17 18:31	85-01-8	
Phenol	<46.9	ug/kg	156	46.9	1	08/14/17 11:07	08/15/17 18:31	108-95-2	
Pyrene	1760	ug/kg	146	43.8	1	08/14/17 11:07	08/15/17 18:31	129-00-0	
bis(2-Chloroethoxy)methane	<53.2	ug/kg	177	53.2	1	08/14/17 11:07	08/15/17 18:31	111-91-1	
bis(2-Chloroethyl) ether	<61.7	ug/kg	206	61.7	1	08/14/17 11:07	08/15/17 18:31	111-44-4	
bis(2-Ethylhexyl)phthalate	<32.9	ug/kg	110	32.9	1	08/14/17 11:07	08/15/17 18:31	117-81-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: SB-12 1-1.5 Lab ID: 40154392012 Collected: 08/01/17 15:20 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Nitrobenzene-d5 (S)	77	%	13-114		1	08/14/17 11:07	08/15/17 18:31	4165-60-0	
2-Fluorobiphenyl (S)	75	%	18-127		1	08/14/17 11:07	08/15/17 18:31	321-60-8	
Terphenyl-d14 (S)	84	%	41-109		1	08/14/17 11:07	08/15/17 18:31	1718-51-0	
Phenol-d6 (S)	57	%	30-97		1	08/14/17 11:07	08/15/17 18:31	13127-88-3	
2-Fluorophenol (S)	17	%	16-103		1	08/14/17 11:07	08/15/17 18:31	367-12-4	
2,4,6-Tribromophenol (S)	6	%	13-143		1	08/14/17 11:07	08/15/17 18:31	118-79-6	S0
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/07/17 08:00	08/07/17 17:30	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/07/17 08:00	08/07/17 17:30	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/07/17 08:00	08/07/17 17:30	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/07/17 08:00	08/07/17 17:30	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	108-20-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: SB-12 1-1.5 **Lab ID: 40154392012** Collected: 08/01/17 15:20 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/07/17 08:00	08/07/17 17:30	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/07/17 08:00	08/07/17 17:30	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/07/17 08:00	08/07/17 17:30	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 17:30	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	105	%	68-130		1	08/07/17 08:00	08/07/17 17:30	1868-53-7	
Toluene-d8 (S)	111	%	68-149		1	08/07/17 08:00	08/07/17 17:30	2037-26-5	
4-Bromofluorobenzene (S)	101	%	58-141		1	08/07/17 08:00	08/07/17 17:30	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	15.5	%	0.10	0.10	1		08/14/17 11:15		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154392

Sample: **SB-40 4-5** Lab ID: **40154392013** Collected: 08/01/17 13:50 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<40.9	ug/kg	81.7	40.9	1	08/08/17 13:03	08/10/17 16:27	12674-11-2	
PCB-1221 (Aroclor 1221)	<40.9	ug/kg	81.7	40.9	1	08/08/17 13:03	08/10/17 16:27	11104-28-2	
PCB-1232 (Aroclor 1232)	<40.9	ug/kg	81.7	40.9	1	08/08/17 13:03	08/10/17 16:27	11141-16-5	
PCB-1242 (Aroclor 1242)	<40.9	ug/kg	81.7	40.9	1	08/08/17 13:03	08/10/17 16:27	53469-21-9	
PCB-1248 (Aroclor 1248)	<40.9	ug/kg	81.7	40.9	1	08/08/17 13:03	08/10/17 16:27	12672-29-6	
PCB-1254 (Aroclor 1254)	<40.9	ug/kg	81.7	40.9	1	08/08/17 13:03	08/10/17 16:27	11097-69-1	
PCB-1260 (Aroclor 1260)	<40.9	ug/kg	81.7	40.9	1	08/08/17 13:03	08/10/17 16:27	11096-82-5	
PCB, Total	<40.9	ug/kg	81.7	40.9	1	08/08/17 13:03	08/10/17 16:27	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	80	%	50-102		1	08/08/17 13:03	08/10/17 16:27	877-09-8	
Decachlorobiphenyl (S)	75	%	53-105		1	08/08/17 13:03	08/10/17 16:27	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	4.9J	mg/kg	8.1	1.7	1	08/09/17 11:44	08/10/17 13:12	7440-38-2	
Barium	113	mg/kg	0.81	0.24	1	08/09/17 11:44	08/10/17 13:12	7440-39-3	
Cadmium	1.2	mg/kg	0.81	0.22	1	08/09/17 11:44	08/10/17 13:12	7440-43-9	
Chromium	21.2	mg/kg	1.6	0.45	1	08/09/17 11:44	08/10/17 13:12	7440-47-3	
Lead	48.8	mg/kg	2.1	0.71	1	08/09/17 11:44	08/10/17 13:12	7439-92-1	
Selenium	1.9J	mg/kg	8.1	1.8	1	08/09/17 11:44	08/10/17 13:12	7782-49-2	
Silver	<0.56	mg/kg	1.6	0.56	1	08/09/17 11:44	08/10/17 13:12	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.13	mg/kg	0.060	0.018	1	08/14/17 07:42	08/15/17 12:53	7439-97-6	
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<30.8	ug/kg	103	30.8	1	08/14/17 11:07	08/15/17 17:05	120-82-1	
1,2-Dichlorobenzene	<85.8	ug/kg	286	85.8	1	08/14/17 11:07	08/15/17 17:05	95-50-1	
1,3-Dichlorobenzene	<37.8	ug/kg	126	37.8	1	08/14/17 11:07	08/15/17 17:05	541-73-1	
1,4-Dichlorobenzene	<38.0	ug/kg	127	38.0	1	08/14/17 11:07	08/15/17 17:05	106-46-7	
2,2'-Oxybis(1-chloropropane)	<70.3	ug/kg	234	70.3	1	08/14/17 11:07	08/15/17 17:05	108-60-1	
2,4,5-Trichlorophenol	<48.2	ug/kg	161	48.2	1	08/14/17 11:07	08/15/17 17:05	95-95-4	
2,4,6-Trichlorophenol	<41.6	ug/kg	139	41.6	1	08/14/17 11:07	08/15/17 17:05	88-06-2	
2,4-Dichlorophenol	<72.9	ug/kg	243	72.9	1	08/14/17 11:07	08/15/17 17:05	120-83-2	
2,4-Dimethylphenol	<53.9	ug/kg	180	53.9	1	08/14/17 11:07	08/15/17 17:05	105-67-9	
2,4-Dinitrophenol	<83.1	ug/kg	277	83.1	1	08/14/17 11:07	08/15/17 17:05	51-28-5	L1
2,4-Dinitrotoluene	<39.0	ug/kg	130	39.0	1	08/14/17 11:07	08/15/17 17:05	121-14-2	
2,6-Dinitrotoluene	<51.8	ug/kg	173	51.8	1	08/14/17 11:07	08/15/17 17:05	606-20-2	
2-Chloronaphthalene	<35.0	ug/kg	117	35.0	1	08/14/17 11:07	08/15/17 17:05	91-58-7	
2-Chlorophenol	<68.1	ug/kg	227	68.1	1	08/14/17 11:07	08/15/17 17:05	95-57-8	
2-Methylnaphthalene	<70.8	ug/kg	236	70.8	1	08/14/17 11:07	08/15/17 17:05	91-57-6	
2-Methylphenol(o-Cresol)	<49.6	ug/kg	165	49.6	1	08/14/17 11:07	08/15/17 17:05	95-48-7	
2-Nitroaniline	<77.7	ug/kg	259	77.7	1	08/14/17 11:07	08/15/17 17:05	88-74-4	
2-Nitrophenol	<86.1	ug/kg	287	86.1	1	08/14/17 11:07	08/15/17 17:05	88-75-5	
3&4-Methylphenol(m&p Cresol)	<50.0	ug/kg	167	50.0	1	08/14/17 11:07	08/15/17 17:05		
3,3'-Dichlorobenzidine	<74.0	ug/kg	247	74.0	1	08/14/17 11:07	08/15/17 17:05	91-94-1	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: SB-40 4-5 **Lab ID: 40154392013** Collected: 08/01/17 13:50 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<46.4	ug/kg	155	46.4	1	08/14/17 11:07	08/15/17 17:05	99-09-2	
4,6-Dinitro-2-methylphenol	<84.1	ug/kg	280	84.1	1	08/14/17 11:07	08/15/17 17:05	534-52-1	
4-Bromophenylphenyl ether	<57.1	ug/kg	190	57.1	1	08/14/17 11:07	08/15/17 17:05	101-55-3	
4-Chloro-3-methylphenol	<84.9	ug/kg	283	84.9	1	08/14/17 11:07	08/15/17 17:05	59-50-7	
4-Chloroaniline	<44.8	ug/kg	149	44.8	1	08/14/17 11:07	08/15/17 17:05	106-47-8	
4-Chlorophenylphenyl ether	<50.8	ug/kg	169	50.8	1	08/14/17 11:07	08/15/17 17:05	7005-72-3	
4-Nitroaniline	<113	ug/kg	377	113	1	08/14/17 11:07	08/15/17 17:05	100-01-6	
4-Nitrophenol	<68.7	ug/kg	229	68.7	1	08/14/17 11:07	08/15/17 17:05	100-02-7	
Acenaphthene	<96.7	ug/kg	322	96.7	1	08/14/17 11:07	08/15/17 17:05	83-32-9	
Acenaphthylene	<97.3	ug/kg	324	97.3	1	08/14/17 11:07	08/15/17 17:05	208-96-8	
Anthracene	<43.6	ug/kg	145	43.6	1	08/14/17 11:07	08/15/17 17:05	120-12-7	
Benzo(a)anthracene	90.0J	ug/kg	141	42.2	1	08/14/17 11:07	08/15/17 17:05	56-55-3	
Benzo(a)pyrene	114J	ug/kg	137	41.0	1	08/14/17 11:07	08/15/17 17:05	50-32-8	
Benzo(b)fluoranthene	157	ug/kg	156	46.9	1	08/14/17 11:07	08/15/17 17:05	205-99-2	
Benzo(g,h,i)perylene	124J	ug/kg	238	71.4	1	08/14/17 11:07	08/15/17 17:05	191-24-2	
Benzo(k)fluoranthene	67.2J	ug/kg	218	65.3	1	08/14/17 11:07	08/15/17 17:05	207-08-9	
Butylbenzylphthalate	<43.7	ug/kg	146	43.7	1	08/14/17 11:07	08/15/17 17:05	85-68-7	
Carbazole	<42.7	ug/kg	142	42.7	1	08/14/17 11:07	08/15/17 17:05	86-74-8	
Chrysene	133J	ug/kg	136	40.8	1	08/14/17 11:07	08/15/17 17:05	218-01-9	
Di-n-butylphthalate	<40.8	ug/kg	136	40.8	1	08/14/17 11:07	08/15/17 17:05	84-74-2	L1
Di-n-octylphthalate	<61.3	ug/kg	204	61.3	1	08/14/17 11:07	08/15/17 17:05	117-84-0	
Dibenz(a,h)anthracene	<74.1	ug/kg	247	74.1	1	08/14/17 11:07	08/15/17 17:05	53-70-3	
Dibenzofuran	<33.0	ug/kg	110	33.0	1	08/14/17 11:07	08/15/17 17:05	132-64-9	
Diethylphthalate	<45.2	ug/kg	151	45.2	1	08/14/17 11:07	08/15/17 17:05	84-66-2	
Dimethylphthalate	<35.5	ug/kg	118	35.5	1	08/14/17 11:07	08/15/17 17:05	131-11-3	
Fluoranthene	291	ug/kg	129	38.6	1	08/14/17 11:07	08/15/17 17:05	206-44-0	
Fluorene	<31.9	ug/kg	106	31.9	1	08/14/17 11:07	08/15/17 17:05	86-73-7	
Hexachloro-1,3-butadiene	<69.5	ug/kg	232	69.5	1	08/14/17 11:07	08/15/17 17:05	87-68-3	
Hexachlorobenzene	<45.9	ug/kg	153	45.9	1	08/14/17 11:07	08/15/17 17:05	118-74-1	
Hexachlorocyclopentadiene	<64.6	ug/kg	215	64.6	1	08/14/17 11:07	08/15/17 17:05	77-47-4	
Hexachloroethane	<43.7	ug/kg	146	43.7	1	08/14/17 11:07	08/15/17 17:05	67-72-1	
Indeno(1,2,3-cd)pyrene	142J	ug/kg	197	59.0	1	08/14/17 11:07	08/15/17 17:05	193-39-5	
Isophorone	<41.9	ug/kg	140	41.9	1	08/14/17 11:07	08/15/17 17:05	78-59-1	
N-Nitroso-di-n-propylamine	<43.3	ug/kg	144	43.3	1	08/14/17 11:07	08/15/17 17:05	621-64-7	
N-Nitrosodiphenylamine	<370	ug/kg	1230	370	1	08/14/17 11:07	08/15/17 17:05	86-30-6	
Naphthalene	<95.4	ug/kg	318	95.4	1	08/14/17 11:07	08/15/17 17:05	91-20-3	
Nitrobenzene	<55.3	ug/kg	184	55.3	1	08/14/17 11:07	08/15/17 17:05	98-95-3	
Pentachlorophenol	<60.1	ug/kg	200	60.1	1	08/14/17 11:07	08/15/17 17:05	87-86-5	
Phenanthrene	179	ug/kg	117	35.0	1	08/14/17 11:07	08/15/17 17:05	85-01-8	
Phenol	114J	ug/kg	216	64.7	1	08/14/17 11:07	08/15/17 17:05	108-95-2	
Pyrene	213	ug/kg	202	60.5	1	08/14/17 11:07	08/15/17 17:05	129-00-0	
bis(2-Chloroethoxy)methane	<73.5	ug/kg	245	73.5	1	08/14/17 11:07	08/15/17 17:05	111-91-1	
bis(2-Chloroethyl) ether	<85.2	ug/kg	284	85.2	1	08/14/17 11:07	08/15/17 17:05	111-44-4	
bis(2-Ethylhexyl)phthalate	<45.4	ug/kg	151	45.4	1	08/14/17 11:07	08/15/17 17:05	117-81-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: **SB-40 4-5** Lab ID: **40154392013** Collected: 08/01/17 13:50 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

Nitrobenzene-d5 (S)	65	%	13-114		1	08/14/17 11:07	08/15/17 17:05	4165-60-0	
2-Fluorobiphenyl (S)	66	%	18-127		1	08/14/17 11:07	08/15/17 17:05	321-60-8	
Terphenyl-d14 (S)	77	%	41-109		1	08/14/17 11:07	08/15/17 17:05	1718-51-0	
Phenol-d6 (S)	51	%	30-97		1	08/14/17 11:07	08/15/17 17:05	13127-88-3	
2-Fluorophenol (S)	54	%	16-103		1	08/14/17 11:07	08/15/17 17:05	367-12-4	
2,4,6-Tribromophenol (S)	77	%	13-143		1	08/14/17 11:07	08/15/17 17:05	118-79-6	

8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Benzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/07/17 08:15	08/07/17 21:44	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/07/17 08:15	08/07/17 21:44	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/07/17 08:15	08/07/17 21:44	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/07/17 08:15	08/07/17 21:44	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	108-20-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154392

Sample: SB-40 4-5 **Lab ID: 40154392013** Collected: 08/01/17 13:50 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/07/17 08:15	08/07/17 21:44	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/07/17 08:15	08/07/17 21:44	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/07/17 08:15	08/07/17 21:44	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/07/17 21:44	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	130	%	68-130		1	08/07/17 08:15	08/07/17 21:44	1868-53-7	
Toluene-d8 (S)	123	%	68-149		1	08/07/17 08:15	08/07/17 21:44	2037-26-5	
4-Bromofluorobenzene (S)	104	%	58-141		1	08/07/17 08:15	08/07/17 21:44	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	38.8	%	0.10	0.10	1		08/14/17 11:15		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154392

Sample: **SB-41 1-1.5** Lab ID: **40154392014** Collected: 08/01/17 14:30 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<32.2	ug/kg	64.5	32.2	1	08/08/17 13:03	08/10/17 16:48	12674-11-2	
PCB-1221 (Aroclor 1221)	<32.2	ug/kg	64.5	32.2	1	08/08/17 13:03	08/10/17 16:48	11104-28-2	
PCB-1232 (Aroclor 1232)	<32.2	ug/kg	64.5	32.2	1	08/08/17 13:03	08/10/17 16:48	11141-16-5	
PCB-1242 (Aroclor 1242)	<32.2	ug/kg	64.5	32.2	1	08/08/17 13:03	08/10/17 16:48	53469-21-9	
PCB-1248 (Aroclor 1248)	<32.2	ug/kg	64.5	32.2	1	08/08/17 13:03	08/10/17 16:48	12672-29-6	
PCB-1254 (Aroclor 1254)	<32.2	ug/kg	64.5	32.2	1	08/08/17 13:03	08/10/17 16:48	11097-69-1	
PCB-1260 (Aroclor 1260)	<32.2	ug/kg	64.5	32.2	1	08/08/17 13:03	08/10/17 16:48	11096-82-5	
PCB, Total	<32.2	ug/kg	64.5	32.2	1	08/08/17 13:03	08/10/17 16:48	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	71	%	50-102		1	08/08/17 13:03	08/10/17 16:48	877-09-8	
Decachlorobiphenyl (S)	75	%	53-105		1	08/08/17 13:03	08/10/17 16:48	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	3.8J	mg/kg	5.9	1.2	1	08/09/17 11:44	08/10/17 13:14	7440-38-2	
Barium	109	mg/kg	0.59	0.18	1	08/09/17 11:44	08/10/17 13:14	7440-39-3	
Cadmium	0.39J	mg/kg	0.59	0.16	1	08/09/17 11:44	08/10/17 13:14	7440-43-9	
Chromium	14.8	mg/kg	1.2	0.33	1	08/09/17 11:44	08/10/17 13:14	7440-47-3	
Lead	24.7	mg/kg	1.5	0.51	1	08/09/17 11:44	08/10/17 13:14	7439-92-1	
Selenium	1.3J	mg/kg	5.9	1.3	1	08/09/17 11:44	08/10/17 13:14	7782-49-2	
Silver	<0.41	mg/kg	1.2	0.41	1	08/09/17 11:44	08/10/17 13:14	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.022J	mg/kg	0.044	0.013	1	08/14/17 07:42	08/15/17 12:55	7439-97-6	
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<24.3	ug/kg	81.0	24.3	1	08/14/17 11:07	08/15/17 18:52	120-82-1	
1,2-Dichlorobenzene	<67.6	ug/kg	225	67.6	1	08/14/17 11:07	08/15/17 18:52	95-50-1	
1,3-Dichlorobenzene	<29.8	ug/kg	99.3	29.8	1	08/14/17 11:07	08/15/17 18:52	541-73-1	
1,4-Dichlorobenzene	<30.0	ug/kg	99.9	30.0	1	08/14/17 11:07	08/15/17 18:52	106-46-7	
2,2'-Oxybis(1-chloropropane)	<55.5	ug/kg	185	55.5	1	08/14/17 11:07	08/15/17 18:52	108-60-1	
2,4,5-Trichlorophenol	<38.0	ug/kg	127	38.0	1	08/14/17 11:07	08/15/17 18:52	95-95-4	
2,4,6-Trichlorophenol	<32.8	ug/kg	109	32.8	1	08/14/17 11:07	08/15/17 18:52	88-06-2	
2,4-Dichlorophenol	<57.5	ug/kg	192	57.5	1	08/14/17 11:07	08/15/17 18:52	120-83-2	
2,4-Dimethylphenol	<42.5	ug/kg	142	42.5	1	08/14/17 11:07	08/15/17 18:52	105-67-9	
2,4-Dinitrophenol	<65.5	ug/kg	218	65.5	1	08/14/17 11:07	08/15/17 18:52	51-28-5	L1
2,4-Dinitrotoluene	<30.8	ug/kg	103	30.8	1	08/14/17 11:07	08/15/17 18:52	121-14-2	
2,6-Dinitrotoluene	<40.8	ug/kg	136	40.8	1	08/14/17 11:07	08/15/17 18:52	606-20-2	
2-Chloronaphthalene	<27.6	ug/kg	92.0	27.6	1	08/14/17 11:07	08/15/17 18:52	91-58-7	
2-Chlorophenol	<53.7	ug/kg	179	53.7	1	08/14/17 11:07	08/15/17 18:52	95-57-8	
2-Methylnaphthalene	<55.8	ug/kg	186	55.8	1	08/14/17 11:07	08/15/17 18:52	91-57-6	
2-Methylphenol(o-Cresol)	<39.1	ug/kg	130	39.1	1	08/14/17 11:07	08/15/17 18:52	95-48-7	
2-Nitroaniline	<61.3	ug/kg	204	61.3	1	08/14/17 11:07	08/15/17 18:52	88-74-4	
2-Nitrophenol	<67.9	ug/kg	226	67.9	1	08/14/17 11:07	08/15/17 18:52	88-75-5	
3&4-Methylphenol(m&p Cresol)	<39.4	ug/kg	131	39.4	1	08/14/17 11:07	08/15/17 18:52		
3,3'-Dichlorobenzidine	<58.3	ug/kg	194	58.3	1	08/14/17 11:07	08/15/17 18:52	91-94-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: **SB-41 1-1.5** Lab ID: **40154392014** Collected: 08/01/17 14:30 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<36.6	ug/kg	122	36.6	1	08/14/17 11:07	08/15/17 18:52	99-09-2	
4,6-Dinitro-2-methylphenol	<66.3	ug/kg	221	66.3	1	08/14/17 11:07	08/15/17 18:52	534-52-1	
4-Bromophenylphenyl ether	<45.0	ug/kg	150	45.0	1	08/14/17 11:07	08/15/17 18:52	101-55-3	
4-Chloro-3-methylphenol	<66.9	ug/kg	223	66.9	1	08/14/17 11:07	08/15/17 18:52	59-50-7	
4-Chloroaniline	<35.3	ug/kg	118	35.3	1	08/14/17 11:07	08/15/17 18:52	106-47-8	
4-Chlorophenylphenyl ether	<40.1	ug/kg	133	40.1	1	08/14/17 11:07	08/15/17 18:52	7005-72-3	
4-Nitroaniline	<89.2	ug/kg	297	89.2	1	08/14/17 11:07	08/15/17 18:52	100-01-6	
4-Nitrophenol	<54.1	ug/kg	180	54.1	1	08/14/17 11:07	08/15/17 18:52	100-02-7	
Acenaphthene	<76.3	ug/kg	254	76.3	1	08/14/17 11:07	08/15/17 18:52	83-32-9	
Acenaphthylene	<76.7	ug/kg	256	76.7	1	08/14/17 11:07	08/15/17 18:52	208-96-8	
Anthracene	<34.4	ug/kg	115	34.4	1	08/14/17 11:07	08/15/17 18:52	120-12-7	
Benzo(a)anthracene	115	ug/kg	111	33.3	1	08/14/17 11:07	08/15/17 18:52	56-55-3	
Benzo(a)pyrene	87.6J	ug/kg	108	32.4	1	08/14/17 11:07	08/15/17 18:52	50-32-8	
Benzo(b)fluoranthene	104J	ug/kg	123	36.9	1	08/14/17 11:07	08/15/17 18:52	205-99-2	
Benzo(g,h,i)perylene	96.1J	ug/kg	188	56.3	1	08/14/17 11:07	08/15/17 18:52	191-24-2	
Benzo(k)fluoranthene	<51.5	ug/kg	172	51.5	1	08/14/17 11:07	08/15/17 18:52	207-08-9	
Butylbenzylphthalate	<34.5	ug/kg	115	34.5	1	08/14/17 11:07	08/15/17 18:52	85-68-7	
Carbazole	<33.7	ug/kg	112	33.7	1	08/14/17 11:07	08/15/17 18:52	86-74-8	
Chrysene	179	ug/kg	107	32.2	1	08/14/17 11:07	08/15/17 18:52	218-01-9	
Di-n-butylphthalate	<32.1	ug/kg	107	32.1	1	08/14/17 11:07	08/15/17 18:52	84-74-2	L1
Di-n-octylphthalate	<48.3	ug/kg	161	48.3	1	08/14/17 11:07	08/15/17 18:52	117-84-0	
Dibenz(a,h)anthracene	<58.4	ug/kg	195	58.4	1	08/14/17 11:07	08/15/17 18:52	53-70-3	
Dibenzofuran	119	ug/kg	86.8	26.0	1	08/14/17 11:07	08/15/17 18:52	132-64-9	
Diethylphthalate	<35.7	ug/kg	119	35.7	1	08/14/17 11:07	08/15/17 18:52	84-66-2	
Dimethylphthalate	<28.0	ug/kg	93.2	28.0	1	08/14/17 11:07	08/15/17 18:52	131-11-3	
Fluoranthene	212	ug/kg	101	30.4	1	08/14/17 11:07	08/15/17 18:52	206-44-0	
Fluorene	29.1J	ug/kg	83.8	25.1	1	08/14/17 11:07	08/15/17 18:52	86-73-7	
Hexachloro-1,3-butadiene	<54.8	ug/kg	183	54.8	1	08/14/17 11:07	08/15/17 18:52	87-68-3	
Hexachlorobenzene	<36.2	ug/kg	121	36.2	1	08/14/17 11:07	08/15/17 18:52	118-74-1	
Hexachlorocyclopentadiene	<50.9	ug/kg	170	50.9	1	08/14/17 11:07	08/15/17 18:52	77-47-4	
Hexachloroethane	<34.4	ug/kg	115	34.4	1	08/14/17 11:07	08/15/17 18:52	67-72-1	
Indeno(1,2,3-cd)pyrene	70.5J	ug/kg	155	46.5	1	08/14/17 11:07	08/15/17 18:52	193-39-5	
Isophorone	<33.1	ug/kg	110	33.1	1	08/14/17 11:07	08/15/17 18:52	78-59-1	
N-Nitroso-di-n-propylamine	<34.1	ug/kg	114	34.1	1	08/14/17 11:07	08/15/17 18:52	621-64-7	
N-Nitrosodiphenylamine	<292	ug/kg	973	292	1	08/14/17 11:07	08/15/17 18:52	86-30-6	
Naphthalene	<75.2	ug/kg	251	75.2	1	08/14/17 11:07	08/15/17 18:52	91-20-3	
Nitrobenzene	<43.6	ug/kg	145	43.6	1	08/14/17 11:07	08/15/17 18:52	98-95-3	
Pentachlorophenol	<47.4	ug/kg	158	47.4	1	08/14/17 11:07	08/15/17 18:52	87-86-5	
Phenanthrene	702	ug/kg	92.0	27.6	1	08/14/17 11:07	08/15/17 18:52	85-01-8	
Phenol	<51.0	ug/kg	170	51.0	1	08/14/17 11:07	08/15/17 18:52	108-95-2	
Pyrene	217	ug/kg	159	47.7	1	08/14/17 11:07	08/15/17 18:52	129-00-0	
bis(2-Chloroethoxy)methane	<57.9	ug/kg	193	57.9	1	08/14/17 11:07	08/15/17 18:52	111-91-1	
bis(2-Chloroethyl) ether	<67.1	ug/kg	224	67.1	1	08/14/17 11:07	08/15/17 18:52	111-44-4	
bis(2-Ethylhexyl)phthalate	<35.8	ug/kg	119	35.8	1	08/14/17 11:07	08/15/17 18:52	117-81-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: **SB-41 1-1.5** Lab ID: **40154392014** Collected: 08/01/17 14:30 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

Nitrobenzene-d5 (S)	83	%	13-114		1	08/14/17 11:07	08/15/17 18:52	4165-60-0	
2-Fluorobiphenyl (S)	76	%	18-127		1	08/14/17 11:07	08/15/17 18:52	321-60-8	
Terphenyl-d14 (S)	86	%	41-109		1	08/14/17 11:07	08/15/17 18:52	1718-51-0	
Phenol-d6 (S)	48	%	30-97		1	08/14/17 11:07	08/15/17 18:52	13127-88-3	
2-Fluorophenol (S)	47	%	16-103		1	08/14/17 11:07	08/15/17 18:52	367-12-4	
2,4,6-Tribromophenol (S)	89	%	13-143		1	08/14/17 11:07	08/15/17 18:52	118-79-6	

8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Benzene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	71-43-2	W
Bromobenzene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	108-86-1	W
Bromochloromethane	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	74-97-5	W
Bromodichloromethane	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	75-27-4	W
Bromoform	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	75-25-2	W
Bromomethane	<77.7	ug/kg	278	77.7	1	08/07/17 08:15	08/07/17 22:08	74-83-9	W
n-Butylbenzene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	104-51-8	W
sec-Butylbenzene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	135-98-8	W
tert-Butylbenzene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	98-06-6	W
Carbon tetrachloride	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	56-23-5	W
Chlorobenzene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	108-90-7	W
Chloroethane	<74.5	ug/kg	278	74.5	1	08/07/17 08:15	08/07/17 22:08	75-00-3	W
Chloroform	<51.6	ug/kg	278	51.6	1	08/07/17 08:15	08/07/17 22:08	67-66-3	W
Chloromethane	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	74-87-3	W
2-Chlorotoluene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	95-49-8	W
4-Chlorotoluene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	106-43-4	W
1,2-Dibromo-3-chloropropane	<101	ug/kg	278	101	1	08/07/17 08:15	08/07/17 22:08	96-12-8	W
Dibromochloromethane	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	124-48-1	W
1,2-Dibromoethane (EDB)	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	106-93-4	W
Dibromomethane	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	74-95-3	W
1,2-Dichlorobenzene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	95-50-1	W
1,3-Dichlorobenzene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	541-73-1	W
1,4-Dichlorobenzene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	106-46-7	W
Dichlorodifluoromethane	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	75-71-8	W
1,1-Dichloroethane	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	75-34-3	W
1,2-Dichloroethane	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	107-06-2	W
1,1-Dichloroethene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	75-35-4	W
cis-1,2-Dichloroethene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	156-59-2	W
trans-1,2-Dichloroethene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	156-60-5	W
1,2-Dichloropropane	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	78-87-5	W
1,3-Dichloropropane	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	142-28-9	W
2,2-Dichloropropane	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	594-20-7	W
1,1-Dichloropropene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	563-58-6	W
cis-1,3-Dichloropropene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	10061-01-5	W
trans-1,3-Dichloropropene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	10061-02-6	W
Diisopropyl ether	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	108-20-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Sample: **SB-41 1-1.5** Lab ID: **40154392014** Collected: 08/01/17 14:30 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Ethylbenzene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	100-41-4	W
Hexachloro-1,3-butadiene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	87-68-3	W
Isopropylbenzene (Cumene)	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	98-82-8	W
p-Isopropyltoluene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	99-87-6	W
Methylene Chloride	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	75-09-2	W
Methyl-tert-butyl ether	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	1634-04-4	W
Naphthalene	<44.5	ug/kg	278	44.5	1	08/07/17 08:15	08/07/17 22:08	91-20-3	W
n-Propylbenzene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	103-65-1	W
Styrene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	100-42-5	W
1,1,1,2-Tetrachloroethane	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	630-20-6	W
1,1,2,2-Tetrachloroethane	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	79-34-5	W
Tetrachloroethene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	127-18-4	W
Toluene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	108-88-3	W
1,2,3-Trichlorobenzene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	87-61-6	W
1,2,4-Trichlorobenzene	<52.8	ug/kg	278	52.8	1	08/07/17 08:15	08/07/17 22:08	120-82-1	W
1,1,1-Trichloroethane	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	71-55-6	W
1,1,2-Trichloroethane	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	79-00-5	W
Trichloroethene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	79-01-6	W
Trichlorofluoromethane	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	75-69-4	W
1,2,3-Trichloropropane	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	96-18-4	W
1,2,4-Trimethylbenzene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	95-63-6	W
1,3,5-Trimethylbenzene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	108-67-8	W
Vinyl chloride	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	75-01-4	W
m&p-Xylene	<55.6	ug/kg	133	55.6	1	08/07/17 08:15	08/07/17 22:08	179601-23-1	W
o-Xylene	<27.8	ug/kg	66.7	27.8	1	08/07/17 08:15	08/07/17 22:08	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	112	%	68-130		1	08/07/17 08:15	08/07/17 22:08	1868-53-7	
Toluene-d8 (S)	103	%	68-149		1	08/07/17 08:15	08/07/17 22:08	2037-26-5	
4-Bromofluorobenzene (S)	97	%	58-141		1	08/07/17 08:15	08/07/17 22:08	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	22.5	%	0.10	0.10	1		08/14/17 11:15		
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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

QC Batch: 264468 Analysis Method: EPA 7470
 QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
 Associated Lab Samples: 40154392001, 40154392002, 40154392003, 40154392005, 40154392006

METHOD BLANK: 1556442 Matrix: Water
 Associated Lab Samples: 40154392001, 40154392002, 40154392003, 40154392005, 40154392006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.13	0.42	08/15/17 09:07	

LABORATORY CONTROL SAMPLE: 1556443

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1556444 1556445

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40154446001 Result	Spike Conc.	Spike Conc.	Result						
Mercury	ug/L	<0.13	5	5	5.4	5.8	108	116	85-115	7	20 M0

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154392

QC Batch: 264009 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 40154392007, 40154392008, 40154392009, 40154392010, 40154392011, 40154392012, 40154392013, 40154392014

METHOD BLANK: 1553594 Matrix: Solid
Associated Lab Samples: 40154392007, 40154392008, 40154392009, 40154392010, 40154392011, 40154392012, 40154392013, 40154392014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<1.0	5.0	08/10/17 12:43	
Barium	mg/kg	<0.15	0.50	08/10/17 12:43	
Cadmium	mg/kg	<0.13	0.50	08/10/17 12:43	
Chromium	mg/kg	<0.28	1.0	08/10/17 12:43	
Lead	mg/kg	<0.43	1.3	08/10/17 12:43	
Selenium	mg/kg	<1.1	5.0	08/10/17 12:43	
Silver	mg/kg	<0.34	1.0	08/10/17 12:43	

LABORATORY CONTROL SAMPLE: 1553595

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	46.5	93	80-120	
Barium	mg/kg	50	49.7	99	80-120	
Cadmium	mg/kg	50	48.4	97	80-120	
Chromium	mg/kg	50	49.2	98	80-120	
Lead	mg/kg	50	49.6	99	80-120	
Selenium	mg/kg	50	50.5	101	80-120	
Silver	mg/kg	25	25.2	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1553596 1553597

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40154392007 Result	Spike Conc.	Spike Conc.	MS Result						
Arsenic	mg/kg	2.1J	54.3	54.2	52.3	52.9	93	94	75-125	1	20
Barium	mg/kg	24.6	54.3	54.2	79.6	81.3	101	105	75-125	2	20
Cadmium	mg/kg	<0.14	54.3	54.2	53.0	53.8	97	99	75-125	2	20
Chromium	mg/kg	13.5	54.3	54.2	64.2	66.1	93	97	75-125	3	20
Lead	mg/kg	5.6	54.3	54.2	55.7	56.8	92	94	75-125	2	20
Selenium	mg/kg	<1.2	54.3	54.2	54.0	54.7	99	100	75-125	1	20
Silver	mg/kg	<0.37	27.2	27.1	28.0	28.4	103	104	75-125	1	20

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154392

QC Batch: 264158 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 40154392001, 40154392002, 40154392003, 40154392004, 40154392005, 40154392006

METHOD BLANK: 1554397 Matrix: Water
Associated Lab Samples: 40154392001, 40154392002, 40154392003, 40154392004, 40154392005, 40154392006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	<8.3	25.0	08/11/17 09:47	
Barium	ug/L	<1.5	5.0	08/11/17 09:47	
Cadmium	ug/L	<1.3	5.0	08/11/17 09:47	
Chromium	ug/L	<2.5	10.0	08/11/17 09:47	
Lead	ug/L	<4.3	13.0	08/11/17 09:47	
Selenium	ug/L	<16.6	50.0	08/11/17 09:47	
Silver	ug/L	<3.3	10.0	08/11/17 09:47	

LABORATORY CONTROL SAMPLE: 1554398

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	490	98	80-120	
Barium	ug/L	500	512	102	80-120	
Cadmium	ug/L	500	507	101	80-120	
Chromium	ug/L	500	500	100	80-120	
Lead	ug/L	500	508	102	80-120	
Selenium	ug/L	500	518	104	80-120	
Silver	ug/L	250	258	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1554399 1554400

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40154484005 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
Arsenic	ug/L	<8.3	500	500	511	524	101	104	75-125	3	20	
Barium	ug/L	49.0	500	500	562	572	103	105	75-125	2	20	
Cadmium	ug/L	<1.3	500	500	520	532	104	106	75-125	2	20	
Chromium	ug/L	<2.5	500	500	485	498	97	99	75-125	3	20	
Lead	ug/L	<4.3	500	500	489	506	97	101	75-125	3	20	
Selenium	ug/L	<16.6	500	500	538	544	108	109	75-125	1	20	
Silver	ug/L	<3.3	250	250	267	272	107	109	75-125	2	20	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

QC Batch: 263747 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40154392008, 40154392009, 40154392010, 40154392011, 40154392012

METHOD BLANK: 1552371 Matrix: Solid
Associated Lab Samples: 40154392008, 40154392009, 40154392010, 40154392011, 40154392012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	08/07/17 10:21	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	08/07/17 10:21	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	08/07/17 10:21	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	08/07/17 10:21	
1,1-Dichloroethane	ug/kg	<17.6	50.0	08/07/17 10:21	
1,1-Dichloroethene	ug/kg	<17.6	50.0	08/07/17 10:21	
1,1-Dichloropropene	ug/kg	<14.0	50.0	08/07/17 10:21	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	08/07/17 10:21	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	08/07/17 10:21	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	08/07/17 10:21	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	08/07/17 10:21	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	08/07/17 10:21	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	08/07/17 10:21	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	08/07/17 10:21	
1,2-Dichloroethane	ug/kg	<15.0	50.0	08/07/17 10:21	
1,2-Dichloropropane	ug/kg	<16.8	50.0	08/07/17 10:21	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	08/07/17 10:21	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	08/07/17 10:21	
1,3-Dichloropropane	ug/kg	<12.0	50.0	08/07/17 10:21	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	08/07/17 10:21	
2,2-Dichloropropane	ug/kg	<12.6	50.0	08/07/17 10:21	
2-Chlorotoluene	ug/kg	<15.8	50.0	08/07/17 10:21	
4-Chlorotoluene	ug/kg	<13.0	50.0	08/07/17 10:21	
Benzene	ug/kg	<9.2	20.0	08/07/17 10:21	
Bromobenzene	ug/kg	<20.6	50.0	08/07/17 10:21	
Bromochloromethane	ug/kg	<21.4	50.0	08/07/17 10:21	
Bromodichloromethane	ug/kg	<9.8	50.0	08/07/17 10:21	
Bromoform	ug/kg	<19.8	50.0	08/07/17 10:21	
Bromomethane	ug/kg	<69.9	250	08/07/17 10:21	
Carbon tetrachloride	ug/kg	<12.1	50.0	08/07/17 10:21	
Chlorobenzene	ug/kg	<14.8	50.0	08/07/17 10:21	
Chloroethane	ug/kg	<67.0	250	08/07/17 10:21	
Chloroform	ug/kg	<46.4	250	08/07/17 10:21	
Chloromethane	ug/kg	<20.4	50.0	08/07/17 10:21	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	08/07/17 10:21	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	08/07/17 10:21	
Dibromochloromethane	ug/kg	<17.9	50.0	08/07/17 10:21	
Dibromomethane	ug/kg	<19.3	50.0	08/07/17 10:21	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	08/07/17 10:21	
Diisopropyl ether	ug/kg	<17.7	50.0	08/07/17 10:21	
Ethylbenzene	ug/kg	<12.4	50.0	08/07/17 10:21	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

METHOD BLANK: 1552371

Matrix: Solid

Associated Lab Samples: 40154392008, 40154392009, 40154392010, 40154392011, 40154392012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	08/07/17 10:21	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	08/07/17 10:21	
m&p-Xylene	ug/kg	<34.4	100	08/07/17 10:21	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	08/07/17 10:21	
Methylene Chloride	ug/kg	<16.2	50.0	08/07/17 10:21	
n-Butylbenzene	ug/kg	<10.5	50.0	08/07/17 10:21	
n-Propylbenzene	ug/kg	<11.6	50.0	08/07/17 10:21	
Naphthalene	ug/kg	<40.0	250	08/07/17 10:21	
o-Xylene	ug/kg	<14.0	50.0	08/07/17 10:21	
p-Isopropyltoluene	ug/kg	<12.0	50.0	08/07/17 10:21	
sec-Butylbenzene	ug/kg	<11.9	50.0	08/07/17 10:21	
Styrene	ug/kg	<9.0	50.0	08/07/17 10:21	
tert-Butylbenzene	ug/kg	<9.5	50.0	08/07/17 10:21	
Tetrachloroethene	ug/kg	<12.9	50.0	08/07/17 10:21	
Toluene	ug/kg	<11.2	50.0	08/07/17 10:21	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	08/07/17 10:21	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	08/07/17 10:21	
Trichloroethene	ug/kg	<23.6	50.0	08/07/17 10:21	
Trichlorofluoromethane	ug/kg	<24.7	50.0	08/07/17 10:21	
Vinyl chloride	ug/kg	<21.1	50.0	08/07/17 10:21	
4-Bromofluorobenzene (S)	%	97	58-141	08/07/17 10:21	
Dibromofluoromethane (S)	%	104	68-130	08/07/17 10:21	
Toluene-d8 (S)	%	108	68-149	08/07/17 10:21	

LABORATORY CONTROL SAMPLE: 1552372

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2560	102	61-122	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2470	99	73-130	
1,1,2-Trichloroethane	ug/kg	2500	2430	97	70-130	
1,1-Dichloroethane	ug/kg	2500	2480	99	63-124	
1,1-Dichloroethene	ug/kg	2500	2430	97	53-117	
1,2,4-Trichlorobenzene	ug/kg	2500	2430	97	78-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2430	97	49-140	
1,2-Dibromoethane (EDB)	ug/kg	2500	2420	97	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2500	100	70-130	
1,2-Dichloroethane	ug/kg	2500	2670	107	56-135	
1,2-Dichloropropane	ug/kg	2500	2560	102	77-122	
1,3-Dichlorobenzene	ug/kg	2500	2500	100	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2410	96	70-130	
Benzene	ug/kg	2500	2550	102	66-130	
Bromodichloromethane	ug/kg	2500	2420	97	62-135	
Bromoform	ug/kg	2500	2230	89	68-130	
Bromomethane	ug/kg	2500	2040	82	29-137	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

LABORATORY CONTROL SAMPLE: 1552372

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2490	100	57-130	
Chlorobenzene	ug/kg	2500	2550	102	70-130	
Chloroethane	ug/kg	2500	2600	104	36-144	
Chloroform	ug/kg	2500	2470	99	69-115	
Chloromethane	ug/kg	2500	2740	110	32-126	
cis-1,2-Dichloroethene	ug/kg	2500	2430	97	65-130	
cis-1,3-Dichloropropene	ug/kg	2500	2520	101	70-130	
Dibromochloromethane	ug/kg	2500	2360	94	70-130	
Dichlorodifluoromethane	ug/kg	2500	1940	78	10-99	
Ethylbenzene	ug/kg	2500	2460	98	82-122	
Isopropylbenzene (Cumene)	ug/kg	2500	2460	99	70-130	
m&p-Xylene	ug/kg	5000	5070	101	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2600	104	63-134	
Methylene Chloride	ug/kg	2500	2510	101	56-123	
o-Xylene	ug/kg	2500	2500	100	70-130	
Styrene	ug/kg	2500	2540	102	70-130	
Tetrachloroethene	ug/kg	2500	2540	102	70-131	
Toluene	ug/kg	2500	2510	100	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2420	97	66-130	
trans-1,3-Dichloropropene	ug/kg	2500	2540	102	68-130	
Trichloroethene	ug/kg	2500	2450	98	70-130	
Trichlorofluoromethane	ug/kg	2500	2600	104	37-149	
Vinyl chloride	ug/kg	2500	2450	98	43-128	
4-Bromofluorobenzene (S)	%			100	58-141	
Dibromofluoromethane (S)	%			104	68-130	
Toluene-d8 (S)	%			106	68-149	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1552373 1552374

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40154392008	Spike Conc.	MSD Spike Conc.	MS Result								
1,1,1-Trichloroethane	ug/kg	<25.0	1370	1370	1290	1310	94	96	57-123	2	20		
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1370	1370	941	1310	69	96	73-135	33	20	M1,R1	
1,1,2-Trichloroethane	ug/kg	<25.0	1370	1370	953	1350	70	99	70-130	34	20	R1	
1,1-Dichloroethane	ug/kg	<25.0	1370	1370	1230	1290	90	95	63-124	5	20		
1,1-Dichloroethene	ug/kg	<25.0	1370	1370	1130	1100	83	81	48-117	3	23		
1,2,4-Trichlorobenzene	ug/kg	<47.6	1370	1370	1410	1450	102	104	78-145	2	20		
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1370	1370	834	1250	61	91	38-168	40	22	R1	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1370	1370	946	1380	69	101	70-130	37	20	M1,R1	
1,2-Dichlorobenzene	ug/kg	<25.0	1370	1370	1310	1420	96	104	70-130	8	20		
1,2-Dichloroethane	ug/kg	<25.0	1370	1370	1070	1430	78	104	56-145	28	20	R1	
1,2-Dichloropropane	ug/kg	<25.0	1370	1370	1200	1350	88	99	77-123	12	20		
1,3-Dichlorobenzene	ug/kg	<25.0	1370	1370	1430	1410	105	103	70-130	2	20		
1,4-Dichlorobenzene	ug/kg	<25.0	1370	1370	1350	1370	98	100	70-130	1	20		

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Parameter	Units	40154392008		1552373		1552374		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Benzene	ug/kg	<25.0	1370	1370	1240	1350	91	99	65-130	8	20		
Bromodichloromethane	ug/kg	<25.0	1370	1370	1120	1290	82	94	59-141	14	20		
Bromoform	ug/kg	<25.0	1370	1370	907	1230	66	90	59-141	30	20	R1	
Bromomethane	ug/kg	<69.9	1370	1370	920	933	67	68	28-139	1	20		
Carbon tetrachloride	ug/kg	<25.0	1370	1370	1230	1250	90	92	50-130	2	20		
Chlorobenzene	ug/kg	<25.0	1370	1370	1350	1450	99	106	70-130	8	20		
Chloroethane	ug/kg	<67.0	1370	1370	1560	1310	114	96	36-144	17	20		
Chloroform	ug/kg	<46.4	1370	1370	1230	1350	89	98	68-122	10	20		
Chloromethane	ug/kg	<25.0	1370	1370	909	911	67	67	30-126	0	20		
cis-1,2-Dichloroethene	ug/kg	<25.0	1370	1370	1230	1310	90	96	63-130	6	20		
cis-1,3-Dichloropropene	ug/kg	<25.0	1370	1370	1100	1340	81	98	70-130	20	20		
Dibromochloromethane	ug/kg	<25.0	1370	1370	941	1280	69	93	66-136	30	20	R1	
Dichlorodifluoromethane	ug/kg	<25.0	1370	1370	556	484	41	35	10-99	14	33		
Ethylbenzene	ug/kg	<25.0	1370	1370	1360	1320	99	97	80-122	3	20		
Isopropylbenzene (Cumene)	ug/kg	<25.0	1370	1370	1380	1320	101	97	70-130	4	20		
m&p-Xylene	ug/kg	<50.0	2730	2730	2810	2810	103	103	70-130	0	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1370	1370	939	1390	69	102	63-134	39	20	R1	
Methylene Chloride	ug/kg	<25.0	1370	1370	1160	1330	85	97	56-127	14	20		
o-Xylene	ug/kg	<25.0	1370	1370	1380	1380	101	101	70-130	0	20		
Styrene	ug/kg	<25.0	1370	1370	1300	1380	95	101	70-130	7	20		
Tetrachloroethene	ug/kg	<25.0	1370	1370	1420	1380	104	101	70-131	3	20		
Toluene	ug/kg	<25.0	1370	1370	1400	1400	102	102	80-120	0	20		
trans-1,2-Dichloroethene	ug/kg	<25.0	1370	1370	1200	1220	88	89	60-130	2	20		
trans-1,3-Dichloropropene	ug/kg	<25.0	1370	1370	1050	1410	77	103	68-130	30	20	R1	
Trichloroethene	ug/kg	<25.0	1370	1370	1320	1270	96	93	70-130	3	20		
Trichlorofluoromethane	ug/kg	<25.0	1370	1370	1030	1040	76	76	37-149	1	24		
Vinyl chloride	ug/kg	<25.0	1370	1370	883	866	65	63	39-128	2	20		
4-Bromofluorobenzene (S)	%						104	113	58-141				
Dibromofluoromethane (S)	%						99	113	68-130				
Toluene-d8 (S)	%						121	122	68-149				

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154392

QC Batch: 263759 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40154392007, 40154392013, 40154392014

METHOD BLANK: 1552406 Matrix: Solid
Associated Lab Samples: 40154392007, 40154392013, 40154392014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	08/07/17 18:39	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	08/07/17 18:39	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	08/07/17 18:39	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	08/07/17 18:39	
1,1-Dichloroethane	ug/kg	<17.6	50.0	08/07/17 18:39	
1,1-Dichloroethene	ug/kg	<17.6	50.0	08/07/17 18:39	
1,1-Dichloropropene	ug/kg	<14.0	50.0	08/07/17 18:39	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	08/07/17 18:39	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	08/07/17 18:39	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	08/07/17 18:39	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	08/07/17 18:39	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	08/07/17 18:39	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	08/07/17 18:39	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	08/07/17 18:39	
1,2-Dichloroethane	ug/kg	<15.0	50.0	08/07/17 18:39	
1,2-Dichloropropane	ug/kg	<16.8	50.0	08/07/17 18:39	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	08/07/17 18:39	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	08/07/17 18:39	
1,3-Dichloropropane	ug/kg	<12.0	50.0	08/07/17 18:39	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	08/07/17 18:39	
2,2-Dichloropropane	ug/kg	<12.6	50.0	08/07/17 18:39	
2-Chlorotoluene	ug/kg	<15.8	50.0	08/07/17 18:39	
4-Chlorotoluene	ug/kg	<13.0	50.0	08/07/17 18:39	
Benzene	ug/kg	<9.2	20.0	08/07/17 18:39	
Bromobenzene	ug/kg	<20.6	50.0	08/07/17 18:39	
Bromochloromethane	ug/kg	<21.4	50.0	08/07/17 18:39	
Bromodichloromethane	ug/kg	<9.8	50.0	08/07/17 18:39	
Bromoform	ug/kg	<19.8	50.0	08/07/17 18:39	
Bromomethane	ug/kg	<69.9	250	08/07/17 18:39	
Carbon tetrachloride	ug/kg	<12.1	50.0	08/07/17 18:39	
Chlorobenzene	ug/kg	<14.8	50.0	08/07/17 18:39	
Chloroethane	ug/kg	<67.0	250	08/07/17 18:39	
Chloroform	ug/kg	<46.4	250	08/07/17 18:39	
Chloromethane	ug/kg	<20.4	50.0	08/07/17 18:39	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	08/07/17 18:39	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	08/07/17 18:39	
Dibromochloromethane	ug/kg	<17.9	50.0	08/07/17 18:39	
Dibromomethane	ug/kg	<19.3	50.0	08/07/17 18:39	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	08/07/17 18:39	
Diisopropyl ether	ug/kg	<17.7	50.0	08/07/17 18:39	
Ethylbenzene	ug/kg	<12.4	50.0	08/07/17 18:39	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

METHOD BLANK: 1552406

Matrix: Solid

Associated Lab Samples: 40154392007, 40154392013, 40154392014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	08/07/17 18:39	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	08/07/17 18:39	
m&p-Xylene	ug/kg	<34.4	100	08/07/17 18:39	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	08/07/17 18:39	
Methylene Chloride	ug/kg	17.9J	50.0	08/07/17 18:39	
n-Butylbenzene	ug/kg	<10.5	50.0	08/07/17 18:39	
n-Propylbenzene	ug/kg	<11.6	50.0	08/07/17 18:39	
Naphthalene	ug/kg	<40.0	250	08/07/17 18:39	
o-Xylene	ug/kg	<14.0	50.0	08/07/17 18:39	
p-Isopropyltoluene	ug/kg	<12.0	50.0	08/07/17 18:39	
sec-Butylbenzene	ug/kg	<11.9	50.0	08/07/17 18:39	
Styrene	ug/kg	<9.0	50.0	08/07/17 18:39	
tert-Butylbenzene	ug/kg	<9.5	50.0	08/07/17 18:39	
Tetrachloroethene	ug/kg	<12.9	50.0	08/07/17 18:39	
Toluene	ug/kg	<11.2	50.0	08/07/17 18:39	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	08/07/17 18:39	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	08/07/17 18:39	
Trichloroethene	ug/kg	<23.6	50.0	08/07/17 18:39	
Trichlorofluoromethane	ug/kg	<24.7	50.0	08/07/17 18:39	
Vinyl chloride	ug/kg	<21.1	50.0	08/07/17 18:39	
4-Bromofluorobenzene (S)	%	96	58-141	08/07/17 18:39	
Dibromofluoromethane (S)	%	111	68-130	08/07/17 18:39	
Toluene-d8 (S)	%	113	68-149	08/07/17 18:39	

LABORATORY CONTROL SAMPLE: 1552407

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2330	93	61-122	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2660	106	73-130	
1,1,2-Trichloroethane	ug/kg	2500	2700	108	70-130	
1,1-Dichloroethane	ug/kg	2500	2580	103	63-124	
1,1-Dichloroethene	ug/kg	2500	2440	98	53-117	
1,2,4-Trichlorobenzene	ug/kg	2500	2280	91	78-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2270	91	49-140	
1,2-Dibromoethane (EDB)	ug/kg	2500	2600	104	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2550	102	70-130	
1,2-Dichloroethane	ug/kg	2500	2360	95	56-135	
1,2-Dichloropropane	ug/kg	2500	2630	105	77-122	
1,3-Dichlorobenzene	ug/kg	2500	2500	100	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2510	101	70-130	
Benzene	ug/kg	2500	2600	104	66-130	
Bromodichloromethane	ug/kg	2500	2300	92	62-135	
Bromoform	ug/kg	2500	2690	107	68-130	
Bromomethane	ug/kg	2500	2330	93	29-137	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

LABORATORY CONTROL SAMPLE: 1552407

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2270	91	57-130	
Chlorobenzene	ug/kg	2500	2650	106	70-130	
Chloroethane	ug/kg	2500	2640	106	36-144	
Chloroform	ug/kg	2500	2410	96	69-115	
Chloromethane	ug/kg	2500	2120	85	32-126	
cis-1,2-Dichloroethene	ug/kg	2500	2620	105	65-130	
cis-1,3-Dichloropropene	ug/kg	2500	2310	92	70-130	
Dibromochloromethane	ug/kg	2500	2660	106	70-130	
Dichlorodifluoromethane	ug/kg	2500	1550	62	10-99	
Ethylbenzene	ug/kg	2500	2540	102	82-122	
Isopropylbenzene (Cumene)	ug/kg	2500	2540	102	70-130	
m&p-Xylene	ug/kg	5000	5330	107	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2640	106	63-134	
Methylene Chloride	ug/kg	2500	2450	98	56-123	
o-Xylene	ug/kg	2500	2640	105	70-130	
Styrene	ug/kg	2500	2690	108	70-130	
Tetrachloroethene	ug/kg	2500	2620	105	70-131	
Toluene	ug/kg	2500	2760	110	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2620	105	66-130	
trans-1,3-Dichloropropene	ug/kg	2500	2450	98	68-130	
Trichloroethene	ug/kg	2500	2490	100	70-130	
Trichlorofluoromethane	ug/kg	2500	2500	100	37-149	
Vinyl chloride	ug/kg	2500	2520	101	43-128	
4-Bromofluorobenzene (S)	%			101	58-141	
Dibromofluoromethane (S)	%			110	68-130	
Toluene-d8 (S)	%			111	68-149	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1552408 1552409

Parameter	Units	40154392007		1552408		1552409		% Rec	% Rec	% Rec Limits	RPD	RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Result						
1,1,1-Trichloroethane	ug/kg	<25.0	1360	1360	1180	1240	87	91	57-123	5	20		
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1360	1360	1460	1490	107	109	73-135	2	20		
1,1,2-Trichloroethane	ug/kg	<25.0	1360	1360	1540	1500	113	111	70-130	3	20		
1,1-Dichloroethane	ug/kg	<25.0	1360	1360	1340	1310	98	96	63-124	2	20		
1,1-Dichloroethene	ug/kg	<25.0	1360	1360	1110	1140	82	84	48-117	3	23		
1,2,4-Trichlorobenzene	ug/kg	<47.6	1360	1360	1380	1370	102	101	78-145	1	20		
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1360	1360	1150	1230	85	91	38-168	7	22		
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1360	1360	1470	1400	108	103	70-130	5	20		
1,2-Dichlorobenzene	ug/kg	<25.0	1360	1360	1470	1410	108	104	70-130	4	20		
1,2-Dichloroethane	ug/kg	<25.0	1360	1360	1280	1250	94	92	56-145	3	20		
1,2-Dichloropropane	ug/kg	<25.0	1360	1360	1450	1450	107	107	77-123	0	20		
1,3-Dichlorobenzene	ug/kg	<25.0	1360	1360	1390	1380	102	102	70-130	0	20		
1,4-Dichlorobenzene	ug/kg	<25.0	1360	1360	1440	1390	106	102	70-130	3	20		

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Parameter	Units	40154392007		1552408		1552409		% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec					
Benzene	ug/kg	<25.0	1360	1360	1360	1370	100	101	65-130	1	20	
Bromodichloromethane	ug/kg	<25.0	1360	1360	1260	1240	93	91	59-141	2	20	
Bromoform	ug/kg	<25.0	1360	1360	1490	1430	109	105	59-141	4	20	
Bromomethane	ug/kg	<69.9	1360	1360	981	977	72	72	28-139	0	20	
Carbon tetrachloride	ug/kg	<25.0	1360	1360	1110	1120	82	82	50-130	1	20	
Chlorobenzene	ug/kg	<25.0	1360	1360	1450	1440	106	106	70-130	0	20	
Chloroethane	ug/kg	<67.0	1360	1360	1070	1130	78	83	36-144	6	20	
Chloroform	ug/kg	<46.4	1360	1360	1290	1300	95	96	68-122	1	20	
Chloromethane	ug/kg	<25.0	1360	1360	660	685	49	50	30-126	4	20	
cis-1,2-Dichloroethene	ug/kg	<25.0	1360	1360	1390	1410	102	104	63-130	1	20	
cis-1,3-Dichloropropene	ug/kg	<25.0	1360	1360	1250	1220	92	90	70-130	2	20	
Dibromochloromethane	ug/kg	<25.0	1360	1360	1440	1400	106	103	66-136	3	20	
Dichlorodifluoromethane	ug/kg	<25.0	1360	1360	333	350	25	26	10-99	5	33	
Ethylbenzene	ug/kg	<25.0	1360	1360	1360	1350	100	99	80-122	1	20	
Isopropylbenzene (Cumene)	ug/kg	<25.0	1360	1360	1320	1310	97	97	70-130	1	20	
m&p-Xylene	ug/kg	<50.0	2720	2720	2790	2860	103	105	70-130	2	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1360	1360	1380	1420	102	104	63-134	2	20	
Methylene Chloride	ug/kg	<25.0	1360	1360	1300	1310	94	95	56-127	1	20	
o-Xylene	ug/kg	<25.0	1360	1360	1450	1390	107	103	70-130	4	20	
Styrene	ug/kg	<25.0	1360	1360	1480	1420	109	104	70-130	4	20	
Tetrachloroethene	ug/kg	<25.0	1360	1360	1370	1390	101	103	70-131	1	20	
Toluene	ug/kg	<25.0	1360	1360	1510	1450	111	106	80-120	4	20	
trans-1,2-Dichloroethene	ug/kg	<25.0	1360	1360	1310	1320	96	97	60-130	1	20	
trans-1,3-Dichloropropene	ug/kg	<25.0	1360	1360	1300	1210	96	89	68-130	8	20	
Trichloroethene	ug/kg	<25.0	1360	1360	1270	1260	93	92	70-130	1	20	
Trichlorofluoromethane	ug/kg	<25.0	1360	1360	996	1000	73	74	37-149	1	24	
Vinyl chloride	ug/kg	<25.0	1360	1360	834	863	61	63	39-128	3	20	
4-Bromofluorobenzene (S)	%						115	110	58-141			
Dibromofluoromethane (S)	%						124	121	68-130			
Toluene-d8 (S)	%						127	122	68-149			

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

QC Batch: 263541 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40154392004, 40154392005, 40154392006

METHOD BLANK: 1551309 Matrix: Water

Associated Lab Samples: 40154392004, 40154392005, 40154392006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	08/08/17 06:33	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	08/08/17 06:33	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	08/08/17 06:33	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	08/08/17 06:33	
1,1-Dichloroethane	ug/L	<0.24	1.0	08/08/17 06:33	
1,1-Dichloroethene	ug/L	<0.41	1.0	08/08/17 06:33	
1,1-Dichloropropene	ug/L	<0.44	1.0	08/08/17 06:33	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	08/08/17 06:33	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	08/08/17 06:33	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	08/08/17 06:33	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	08/08/17 06:33	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	08/08/17 06:33	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	08/08/17 06:33	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	08/08/17 06:33	
1,2-Dichloroethane	ug/L	<0.17	1.0	08/08/17 06:33	
1,2-Dichloropropane	ug/L	<0.23	1.0	08/08/17 06:33	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	08/08/17 06:33	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	08/08/17 06:33	
1,3-Dichloropropane	ug/L	<0.50	1.0	08/08/17 06:33	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	08/08/17 06:33	
2,2-Dichloropropane	ug/L	<0.48	1.0	08/08/17 06:33	
2-Chlorotoluene	ug/L	<0.50	1.0	08/08/17 06:33	
4-Chlorotoluene	ug/L	<0.21	1.0	08/08/17 06:33	
Benzene	ug/L	<0.50	1.0	08/08/17 06:33	
Bromobenzene	ug/L	<0.23	1.0	08/08/17 06:33	
Bromochloromethane	ug/L	<0.34	1.0	08/08/17 06:33	
Bromodichloromethane	ug/L	<0.50	1.0	08/08/17 06:33	
Bromoform	ug/L	<0.50	1.0	08/08/17 06:33	
Bromomethane	ug/L	<2.4	5.0	08/08/17 06:33	
Carbon tetrachloride	ug/L	<0.50	1.0	08/08/17 06:33	
Chlorobenzene	ug/L	<0.50	1.0	08/08/17 06:33	
Chloroethane	ug/L	<0.37	1.0	08/08/17 06:33	
Chloroform	ug/L	<2.5	5.0	08/08/17 06:33	
Chloromethane	ug/L	<0.50	1.0	08/08/17 06:33	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	08/08/17 06:33	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	08/08/17 06:33	
Dibromochloromethane	ug/L	<0.50	1.0	08/08/17 06:33	
Dibromomethane	ug/L	<0.43	1.0	08/08/17 06:33	
Dichlorodifluoromethane	ug/L	<0.22	1.0	08/08/17 06:33	
Diisopropyl ether	ug/L	<0.50	1.0	08/08/17 06:33	
Ethylbenzene	ug/L	<0.50	1.0	08/08/17 06:33	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

METHOD BLANK: 1551309

Matrix: Water

Associated Lab Samples: 40154392004, 40154392005, 40154392006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	08/08/17 06:33	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	08/08/17 06:33	
m&p-Xylene	ug/L	<1.0	2.0	08/08/17 06:33	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	08/08/17 06:33	
Methylene Chloride	ug/L	<0.23	1.0	08/08/17 06:33	
n-Butylbenzene	ug/L	<0.50	1.0	08/08/17 06:33	
n-Propylbenzene	ug/L	<0.50	1.0	08/08/17 06:33	
Naphthalene	ug/L	<2.5	5.0	08/08/17 06:33	
o-Xylene	ug/L	<0.50	1.0	08/08/17 06:33	
p-Isopropyltoluene	ug/L	<0.50	1.0	08/08/17 06:33	
sec-Butylbenzene	ug/L	<2.2	5.0	08/08/17 06:33	
Styrene	ug/L	<0.50	1.0	08/08/17 06:33	
tert-Butylbenzene	ug/L	<0.18	1.0	08/08/17 06:33	
Tetrachloroethene	ug/L	<0.50	1.0	08/08/17 06:33	
Toluene	ug/L	<0.50	1.0	08/08/17 06:33	
trans-1,2-Dichloroethene	ug/L	0.29J	1.0	08/08/17 06:33	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	08/08/17 06:33	
Trichloroethene	ug/L	<0.33	1.0	08/08/17 06:33	
Trichlorofluoromethane	ug/L	<0.18	1.0	08/08/17 06:33	
Vinyl chloride	ug/L	<0.18	1.0	08/08/17 06:33	
4-Bromofluorobenzene (S)	%	97	61-130	08/08/17 06:33	
Dibromofluoromethane (S)	%	101	67-130	08/08/17 06:33	
Toluene-d8 (S)	%	94	70-130	08/08/17 06:33	

LABORATORY CONTROL SAMPLE: 1551310

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	48.7	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.5	101	70-130	
1,1,2-Trichloroethane	ug/L	50	50.1	100	70-130	
1,1-Dichloroethane	ug/L	50	48.7	97	71-132	
1,1-Dichloroethene	ug/L	50	50.8	102	75-130	
1,2,4-Trichlorobenzene	ug/L	50	50.5	101	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	42.0	84	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	50.1	100	70-130	
1,2-Dichlorobenzene	ug/L	50	54.2	108	70-130	
1,2-Dichloroethane	ug/L	50	41.2	82	70-131	
1,2-Dichloropropane	ug/L	50	50.8	102	80-120	
1,3-Dichlorobenzene	ug/L	50	54.8	110	70-130	
1,4-Dichlorobenzene	ug/L	50	54.0	108	70-130	
Benzene	ug/L	50	52.3	105	73-145	
Bromodichloromethane	ug/L	50	48.8	98	70-130	
Bromoform	ug/L	50	52.9	106	67-130	
Bromomethane	ug/L	50	37.3	75	26-128	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

LABORATORY CONTROL SAMPLE: 1551310

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	53.7	107	70-133	
Chlorobenzene	ug/L	50	54.7	109	70-130	
Chloroethane	ug/L	50	44.1	88	58-120	
Chloroform	ug/L	50	48.7	97	80-121	
Chloromethane	ug/L	50	48.3	97	40-127	
cis-1,2-Dichloroethene	ug/L	50	48.3	97	70-130	
cis-1,3-Dichloropropene	ug/L	50	52.2	104	70-130	
Dibromochloromethane	ug/L	50	51.5	103	70-130	
Dichlorodifluoromethane	ug/L	50	38.4	77	20-135	
Ethylbenzene	ug/L	50	54.2	108	87-129	
Isopropylbenzene (Cumene)	ug/L	50	55.8	112	70-130	
m&p-Xylene	ug/L	100	114	114	70-130	
Methyl-tert-butyl ether	ug/L	50	47.4	95	66-143	
Methylene Chloride	ug/L	50	53.0	106	70-130	
o-Xylene	ug/L	50	58.3	117	70-130	
Styrene	ug/L	50	57.2	114	70-130	
Tetrachloroethene	ug/L	50	59.6	119	70-130	
Toluene	ug/L	50	53.9	108	82-130	
trans-1,2-Dichloroethene	ug/L	50	52.5	105	75-132	
trans-1,3-Dichloropropene	ug/L	50	51.5	103	70-130	
Trichloroethene	ug/L	50	53.2	106	70-130	
Trichlorofluoromethane	ug/L	50	48.7	97	76-133	
Vinyl chloride	ug/L	50	48.1	96	57-136	
4-Bromofluorobenzene (S)	%			97	61-130	
Dibromofluoromethane (S)	%			97	67-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1552411 1552412

Parameter	Units	40154392006		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	Result	MSD Result	% Rec	% Rec					
1,1,1-Trichloroethane	ug/L	<0.50	50	50	46.8	49.0	94	98	70-134	4	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	50.4	48.7	101	97	70-130	3	20		
1,1,2-Trichloroethane	ug/L	<0.20	50	50	48.6	48.1	97	96	70-130	1	20		
1,1-Dichloroethane	ug/L	<0.24	50	50	44.2	47.6	88	95	71-133	7	20		
1,1-Dichloroethene	ug/L	<0.41	50	50	47.7	51.0	95	102	75-136	7	20		
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	48.0	49.9	96	100	70-130	4	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	44.2	43.6	88	87	63-123	1	20		
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	48.5	47.9	97	96	70-130	1	20		
1,2-Dichlorobenzene	ug/L	<0.50	50	50	51.7	53.2	103	106	70-130	3	20		
1,2-Dichloroethane	ug/L	<0.17	50	50	39.1	39.7	78	79	70-131	2	20		
1,2-Dichloropropane	ug/L	<0.23	50	50	50.7	48.4	101	97	80-120	5	20		
1,3-Dichlorobenzene	ug/L	<0.50	50	50	54.3	54.9	109	110	70-130	1	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	52.6	53.8	105	108	70-130	2	20		

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Parameter	Units	40154392006		1552411		1552412		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Benzene	ug/L	<0.50	50	50	49.8	52.1	100	104	73-145	5	20		
Bromodichloromethane	ug/L	<0.50	50	50	48.4	47.7	97	95	70-130	2	20		
Bromoform	ug/L	<0.50	50	50	53.0	51.6	106	103	67-130	3	20		
Bromomethane	ug/L	<2.4	50	50	43.8	43.2	88	86	26-129	1	20		
Carbon tetrachloride	ug/L	<0.50	50	50	51.8	52.6	104	105	70-134	2	20		
Chlorobenzene	ug/L	<0.50	50	50	52.1	52.2	104	104	70-130	0	20		
Chloroethane	ug/L	<0.37	50	50	41.3	46.3	83	93	58-120	11	20		
Chloroform	ug/L	<2.5	50	50	46.0	47.1	92	94	80-121	3	20		
Chloromethane	ug/L	<0.50	50	50	44.7	47.1	89	94	40-128	5	20		
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	47.2	48.7	94	97	70-130	3	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	51.3	50.8	103	102	70-130	1	20		
Dibromochloromethane	ug/L	<0.50	50	50	48.7	50.4	97	101	70-130	3	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	36.3	37.2	73	74	20-146	3	20		
Ethylbenzene	ug/L	<0.50	50	50	51.8	52.3	104	105	87-129	1	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	53.1	54.2	106	108	70-130	2	20		
m&p-Xylene	ug/L	<1.0	100	100	106	108	106	108	70-130	1	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	46.1	48.4	92	97	66-143	5	20		
Methylene Chloride	ug/L	<0.23	50	50	49.7	52.8	99	106	70-130	6	20		
o-Xylene	ug/L	<0.50	50	50	54.8	54.3	110	109	70-130	1	20		
Styrene	ug/L	<0.50	50	50	53.5	53.1	107	106	70-130	1	20		
Tetrachloroethene	ug/L	<0.50	50	50	57.6	58.7	115	117	70-130	2	20		
Toluene	ug/L	<0.50	50	50	52.3	51.4	105	103	82-131	2	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	49.3	51.9	99	104	75-135	5	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	46.9	49.1	94	98	70-130	5	20		
Trichloroethene	ug/L	<0.33	50	50	54.5	52.4	109	105	70-130	4	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	45.9	47.2	92	94	76-150	3	20		
Vinyl chloride	ug/L	<0.18	50	50	46.0	48.2	92	96	56-143	5	20		
4-Bromofluorobenzene (S)	%						90	95	61-130				
Dibromofluoromethane (S)	%						90	96	67-130				
Toluene-d8 (S)	%						95	97	70-130				

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

QC Batch: 263706 Analysis Method: EPA 8260

QC Batch Method: EPA 8260 Analysis Description: 8260 MSV

Associated Lab Samples: 40154392001, 40154392002, 40154392003

METHOD BLANK: 1552203 Matrix: Water

Associated Lab Samples: 40154392001, 40154392002, 40154392003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	08/09/17 08:32	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	08/09/17 08:32	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	08/09/17 08:32	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	08/09/17 08:32	
1,1-Dichloroethane	ug/L	<0.24	1.0	08/09/17 08:32	
1,1-Dichloroethene	ug/L	<0.41	1.0	08/09/17 08:32	
1,1-Dichloropropene	ug/L	<0.44	1.0	08/09/17 08:32	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	08/09/17 08:32	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	08/09/17 08:32	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	08/09/17 08:32	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	08/09/17 08:32	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	08/09/17 08:32	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	08/09/17 08:32	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	08/09/17 08:32	
1,2-Dichloroethane	ug/L	<0.17	1.0	08/09/17 08:32	
1,2-Dichloropropane	ug/L	<0.23	1.0	08/09/17 08:32	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	08/09/17 08:32	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	08/09/17 08:32	
1,3-Dichloropropane	ug/L	<0.50	1.0	08/09/17 08:32	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	08/09/17 08:32	
2,2-Dichloropropane	ug/L	<0.48	1.0	08/09/17 08:32	
2-Chlorotoluene	ug/L	<0.50	1.0	08/09/17 08:32	
4-Chlorotoluene	ug/L	<0.21	1.0	08/09/17 08:32	
Benzene	ug/L	<0.50	1.0	08/09/17 08:32	
Bromobenzene	ug/L	<0.23	1.0	08/09/17 08:32	
Bromochloromethane	ug/L	<0.34	1.0	08/09/17 08:32	
Bromodichloromethane	ug/L	<0.50	1.0	08/09/17 08:32	
Bromoform	ug/L	<0.50	1.0	08/09/17 08:32	
Bromomethane	ug/L	<2.4	5.0	08/09/17 08:32	
Carbon tetrachloride	ug/L	<0.50	1.0	08/09/17 08:32	
Chlorobenzene	ug/L	<0.50	1.0	08/09/17 08:32	
Chloroethane	ug/L	<0.37	1.0	08/09/17 08:32	
Chloroform	ug/L	<2.5	5.0	08/09/17 08:32	
Chloromethane	ug/L	<0.50	1.0	08/09/17 08:32	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	08/09/17 08:32	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	08/09/17 08:32	
Dibromochloromethane	ug/L	<0.50	1.0	08/09/17 08:32	
Dibromomethane	ug/L	<0.43	1.0	08/09/17 08:32	
Dichlorodifluoromethane	ug/L	<0.22	1.0	08/09/17 08:32	
Diisopropyl ether	ug/L	<0.50	1.0	08/09/17 08:32	
Ethylbenzene	ug/L	<0.50	1.0	08/09/17 08:32	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

METHOD BLANK: 1552203

Matrix: Water

Associated Lab Samples: 40154392001, 40154392002, 40154392003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	08/09/17 08:32	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	08/09/17 08:32	
m&p-Xylene	ug/L	<1.0	2.0	08/09/17 08:32	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	08/09/17 08:32	
Methylene Chloride	ug/L	0.37J	1.0	08/09/17 08:32	
n-Butylbenzene	ug/L	<0.50	1.0	08/09/17 08:32	
n-Propylbenzene	ug/L	<0.50	1.0	08/09/17 08:32	
Naphthalene	ug/L	<2.5	5.0	08/09/17 08:32	
o-Xylene	ug/L	<0.50	1.0	08/09/17 08:32	
p-Isopropyltoluene	ug/L	<0.50	1.0	08/09/17 08:32	
sec-Butylbenzene	ug/L	<2.2	5.0	08/09/17 08:32	
Styrene	ug/L	<0.50	1.0	08/09/17 08:32	
tert-Butylbenzene	ug/L	<0.18	1.0	08/09/17 08:32	
Tetrachloroethene	ug/L	<0.50	1.0	08/09/17 08:32	
Toluene	ug/L	<0.50	1.0	08/09/17 08:32	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	08/09/17 08:32	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	08/09/17 08:32	
Trichloroethene	ug/L	<0.33	1.0	08/09/17 08:32	
Trichlorofluoromethane	ug/L	<0.18	1.0	08/09/17 08:32	
Vinyl chloride	ug/L	<0.18	1.0	08/09/17 08:32	
4-Bromofluorobenzene (S)	%	97	61-130	08/09/17 08:32	
Dibromofluoromethane (S)	%	100	67-130	08/09/17 08:32	
Toluene-d8 (S)	%	103	70-130	08/09/17 08:32	

LABORATORY CONTROL SAMPLE: 1552204

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.0	102	70-130	
1,1,1,2-Tetrachloroethane	ug/L	50	53.5	107	70-130	
1,1,2-Trichloroethane	ug/L	50	54.0	108	70-130	
1,1-Dichloroethane	ug/L	50	48.5	97	71-132	
1,1-Dichloroethene	ug/L	50	45.3	91	75-130	
1,2,4-Trichlorobenzene	ug/L	50	52.7	105	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	50.1	100	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	53.3	107	70-130	
1,2-Dichlorobenzene	ug/L	50	54.2	108	70-130	
1,2-Dichloroethane	ug/L	50	51.7	103	70-131	
1,2-Dichloropropane	ug/L	50	51.5	103	80-120	
1,3-Dichlorobenzene	ug/L	50	54.7	109	70-130	
1,4-Dichlorobenzene	ug/L	50	55.2	110	70-130	
Benzene	ug/L	50	50.6	101	73-145	
Bromodichloromethane	ug/L	50	51.5	103	70-130	
Bromoform	ug/L	50	52.2	104	67-130	
Bromomethane	ug/L	50	51.2	102	26-128	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

LABORATORY CONTROL SAMPLE: 1552204

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	52.1	104	70-133	
Chlorobenzene	ug/L	50	55.3	111	70-130	
Chloroethane	ug/L	50	45.8	92	58-120	
Chloroform	ug/L	50	52.1	104	80-121	
Chloromethane	ug/L	50	35.9	72	40-127	
cis-1,2-Dichloroethene	ug/L	50	49.6	99	70-130	
cis-1,3-Dichloropropene	ug/L	50	50.1	100	70-130	
Dibromochloromethane	ug/L	50	53.0	106	70-130	
Dichlorodifluoromethane	ug/L	50	37.5	75	20-135	
Ethylbenzene	ug/L	50	53.5	107	87-129	
Isopropylbenzene (Cumene)	ug/L	50	54.3	109	70-130	
m&p-Xylene	ug/L	100	107	107	70-130	
Methyl-tert-butyl ether	ug/L	50	48.6	97	66-143	
Methylene Chloride	ug/L	50	47.6	95	70-130	
o-Xylene	ug/L	50	53.4	107	70-130	
Styrene	ug/L	50	53.9	108	70-130	
Tetrachloroethene	ug/L	50	55.8	112	70-130	
Toluene	ug/L	50	54.3	109	82-130	
trans-1,2-Dichloroethene	ug/L	50	48.7	97	75-132	
trans-1,3-Dichloropropene	ug/L	50	50.6	101	70-130	
Trichloroethene	ug/L	50	52.8	106	70-130	
Trichlorofluoromethane	ug/L	50	52.1	104	76-133	
Vinyl chloride	ug/L	50	41.8	84	57-136	
4-Bromofluorobenzene (S)	%			98	61-130	
Dibromofluoromethane (S)	%			103	67-130	
Toluene-d8 (S)	%			104	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1553390 1553391

Parameter	Units	40154508001		MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result						
1,1,1-Trichloroethane	ug/L	<0.50	50	50	47.9	47.2	96	94	70-134	1	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	52.8	52.6	106	105	70-130	0	20		
1,1,2-Trichloroethane	ug/L	<0.20	50	50	53.3	53.1	107	106	70-130	0	20		
1,1-Dichloroethane	ug/L	<0.24	50	50	46.5	45.7	93	91	71-133	2	20		
1,1-Dichloroethene	ug/L	<0.41	50	50	40.6	40.3	81	81	75-136	1	20		
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	50.4	50.2	101	100	70-130	0	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	48.5	48.9	97	98	63-123	1	20		
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	52.3	52.1	105	104	70-130	0	20		
1,2-Dichlorobenzene	ug/L	<0.50	50	50	52.9	51.7	106	103	70-130	2	20		
1,2-Dichloroethane	ug/L	<0.17	50	50	50.2	49.4	100	99	70-131	2	20		
1,2-Dichloropropane	ug/L	<0.23	50	50	50.1	49.5	100	99	80-120	1	20		
1,3-Dichlorobenzene	ug/L	<0.50	50	50	53.1	51.9	106	104	70-130	2	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	53.7	52.5	107	105	70-130	2	20		

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1553390		1553391									
Parameter	Units	40154508001	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	RPD	RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits				
Benzene	ug/L	<0.50	50	50	48.7	47.3	97	95	73-145	3	20		
Bromodichloromethane	ug/L	<0.50	50	50	50.3	49.8	101	100	70-130	1	20		
Bromoform	ug/L	<0.50	50	50	51.2	50.7	102	101	67-130	1	20		
Bromomethane	ug/L	<2.4	50	50	38.7	38.9	77	78	26-129	1	20		
Carbon tetrachloride	ug/L	<0.50	50	50	48.0	47.6	96	95	70-134	1	20		
Chlorobenzene	ug/L	<0.50	50	50	54.2	52.9	108	106	70-130	2	20		
Chloroethane	ug/L	<0.37	50	50	40.4	39.1	81	78	58-120	3	20		
Chloroform	ug/L	<2.5	50	50	50.0	49.0	100	98	80-121	2	20		
Chloromethane	ug/L	<0.50	50	50	28.0	26.9	56	54	40-128	4	20		
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	47.6	46.4	95	93	70-130	2	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	48.9	48.0	98	96	70-130	2	20		
Dibromochloromethane	ug/L	<0.50	50	50	51.8	51.5	104	103	70-130	1	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	23.6	22.8	47	46	20-146	3	20		
Ethylbenzene	ug/L	<0.50	50	50	52.0	50.9	104	102	87-129	2	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	52.3	51.3	105	103	70-130	2	20		
m&p-Xylene	ug/L	<1.0	100	100	104	102	104	102	70-130	2	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	46.6	46.2	93	92	66-143	1	20		
Methylene Chloride	ug/L	<0.23	50	50	45.0	44.0	90	88	70-130	2	20		
o-Xylene	ug/L	<0.50	50	50	52.0	50.9	104	102	70-130	2	20		
Styrene	ug/L	<0.50	50	50	52.7	51.5	105	103	70-130	2	20		
Tetrachloroethene	ug/L	8.9	50	50	62.2	61.1	107	104	70-130	2	20		
Toluene	ug/L	<0.50	50	50	52.7	51.6	105	103	82-131	2	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	45.7	44.7	91	89	75-135	2	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	49.5	48.8	99	98	70-130	1	20		
Trichloroethene	ug/L	<0.33	50	50	51.2	50.4	102	101	70-130	2	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	44.3	43.9	89	88	76-150	1	20		
Vinyl chloride	ug/L	<0.18	50	50	32.9	32.5	66	65	56-143	1	20		
4-Bromofluorobenzene (S)	%						97	98	61-130				
Dibromofluoromethane (S)	%						102	102	67-130				
Toluene-d8 (S)	%						103	103	70-130				

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154392

QC Batch: 263888 Analysis Method: EPA 8082
QC Batch Method: EPA 3541 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 40154392007, 40154392008, 40154392009, 40154392010, 40154392011, 40154392012, 40154392013, 40154392014

METHOD BLANK: 1553041 Matrix: Solid
Associated Lab Samples: 40154392007, 40154392008, 40154392009, 40154392010, 40154392011, 40154392012, 40154392013, 40154392014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<25.0	50.0	08/10/17 11:08	
PCB-1221 (Aroclor 1221)	ug/kg	<25.0	50.0	08/10/17 11:08	
PCB-1232 (Aroclor 1232)	ug/kg	<25.0	50.0	08/10/17 11:08	
PCB-1242 (Aroclor 1242)	ug/kg	<25.0	50.0	08/10/17 11:08	
PCB-1248 (Aroclor 1248)	ug/kg	<25.0	50.0	08/10/17 11:08	
PCB-1254 (Aroclor 1254)	ug/kg	<25.0	50.0	08/10/17 11:08	
PCB-1260 (Aroclor 1260)	ug/kg	<25.0	50.0	08/10/17 11:08	
Decachlorobiphenyl (S)	%	82	53-105	08/10/17 11:08	
Tetrachloro-m-xylene (S)	%	77	50-102	08/10/17 11:08	

LABORATORY CONTROL SAMPLE: 1553042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<25.0			
PCB-1221 (Aroclor 1221)	ug/kg		<25.0			
PCB-1232 (Aroclor 1232)	ug/kg		<25.0			
PCB-1242 (Aroclor 1242)	ug/kg		<25.0			
PCB-1248 (Aroclor 1248)	ug/kg		<25.0			
PCB-1254 (Aroclor 1254)	ug/kg		<25.0			
PCB-1260 (Aroclor 1260)	ug/kg	500	356	71	59-106	
Decachlorobiphenyl (S)	%			79	53-105	
Tetrachloro-m-xylene (S)	%			75	50-102	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1553043 1553044

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40154484001 Result	Spike Conc.	Spike Conc.	MS Result						
PCB-1016 (Aroclor 1016)	ug/kg	<26.7			<26.7	<26.7					20
PCB-1221 (Aroclor 1221)	ug/kg	<26.7			<26.7	<26.7					20
PCB-1232 (Aroclor 1232)	ug/kg	<26.7			<26.7	<26.7					20
PCB-1242 (Aroclor 1242)	ug/kg	<26.7			<26.7	<26.7					20
PCB-1248 (Aroclor 1248)	ug/kg	<26.7			<26.7	<26.7					20
PCB-1254 (Aroclor 1254)	ug/kg	<26.7			<26.7	<26.7					20
PCB-1260 (Aroclor 1260)	ug/kg	<26.7	534	534	406	415	76	78	51-109	2	20
Decachlorobiphenyl (S)	%						82	83	53-105		
Tetrachloro-m-xylene (S)	%						77	77	50-102		

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

QC Batch: 264438 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 40154392007, 40154392008, 40154392009, 40154392010, 40154392011, 40154392012, 40154392013, 40154392014

METHOD BLANK: 1556347 Matrix: Solid
Associated Lab Samples: 40154392007, 40154392008, 40154392009, 40154392010, 40154392011, 40154392012, 40154392013, 40154392014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	<18.9	62.9	08/14/17 15:04	
1,2-Dichlorobenzene	ug/kg	<52.5	175	08/14/17 15:04	
1,3-Dichlorobenzene	ug/kg	<23.1	77.1	08/14/17 15:04	
1,4-Dichlorobenzene	ug/kg	<23.3	77.5	08/14/17 15:04	
2,2'-Oxybis(1-chloropropane)	ug/kg	<43.1	144	08/14/17 15:04	
2,4,5-Trichlorophenol	ug/kg	<29.5	98.3	08/14/17 15:04	
2,4,6-Trichlorophenol	ug/kg	<25.5	84.9	08/14/17 15:04	
2,4-Dichlorophenol	ug/kg	<44.6	149	08/14/17 15:04	
2,4-Dimethylphenol	ug/kg	<33.0	110	08/14/17 15:04	
2,4-Dinitrophenol	ug/kg	<50.9	170	08/14/17 15:04	
2,4-Dinitrotoluene	ug/kg	<23.9	79.6	08/14/17 15:04	
2,6-Dinitrotoluene	ug/kg	<31.7	106	08/14/17 15:04	
2-Chloronaphthalene	ug/kg	<21.4	71.5	08/14/17 15:04	
2-Chlorophenol	ug/kg	<41.7	139	08/14/17 15:04	
2-Methylnaphthalene	ug/kg	<43.4	145	08/14/17 15:04	
2-Methylphenol(o-Cresol)	ug/kg	<30.3	101	08/14/17 15:04	
2-Nitroaniline	ug/kg	<47.6	159	08/14/17 15:04	
2-Nitrophenol	ug/kg	<52.7	176	08/14/17 15:04	
3&4-Methylphenol(m&p Cresol)	ug/kg	<30.6	102	08/14/17 15:04	
3,3'-Dichlorobenzidine	ug/kg	<45.3	151	08/14/17 15:04	
3-Nitroaniline	ug/kg	<28.4	94.7	08/14/17 15:04	
4,6-Dinitro-2-methylphenol	ug/kg	<51.5	172	08/14/17 15:04	
4-Bromophenylphenyl ether	ug/kg	<35.0	117	08/14/17 15:04	
4-Chloro-3-methylphenol	ug/kg	<52.0	173	08/14/17 15:04	
4-Chloroaniline	ug/kg	<27.4	91.5	08/14/17 15:04	
4-Chlorophenylphenyl ether	ug/kg	<31.1	104	08/14/17 15:04	
4-Nitroaniline	ug/kg	<69.3	231	08/14/17 15:04	
4-Nitrophenol	ug/kg	<42.0	140	08/14/17 15:04	
Acenaphthene	ug/kg	<59.2	197	08/14/17 15:04	
Acenaphthylene	ug/kg	<59.6	199	08/14/17 15:04	
Anthracene	ug/kg	<26.7	88.9	08/14/17 15:04	
Benzo(a)anthracene	ug/kg	<25.9	86.2	08/14/17 15:04	
Benzo(a)pyrene	ug/kg	<25.1	83.7	08/14/17 15:04	
Benzo(b)fluoranthene	ug/kg	<28.7	95.6	08/14/17 15:04	
Benzo(g,h,i)perylene	ug/kg	<43.7	146	08/14/17 15:04	
Benzo(k)fluoranthene	ug/kg	<40.0	133	08/14/17 15:04	
bis(2-Chloroethoxy)methane	ug/kg	<45.0	150	08/14/17 15:04	
bis(2-Chloroethyl) ether	ug/kg	<52.1	174	08/14/17 15:04	
bis(2-Ethylhexyl)phthalate	ug/kg	<27.8	92.6	08/14/17 15:04	
Butylbenzylphthalate	ug/kg	<26.8	89.2	08/14/17 15:04	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154392

METHOD BLANK: 1556347 Matrix: Solid
Associated Lab Samples: 40154392007, 40154392008, 40154392009, 40154392010, 40154392011, 40154392012, 40154392013, 40154392014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbazole	ug/kg	<26.1	87.1	08/14/17 15:04	
Chrysene	ug/kg	<25.0	83.2	08/14/17 15:04	
Di-n-butylphthalate	ug/kg	<25.0	83.2	08/14/17 15:04	
Di-n-octylphthalate	ug/kg	<37.5	125	08/14/17 15:04	
Dibenz(a,h)anthracene	ug/kg	<45.4	151	08/14/17 15:04	
Dibenzofuran	ug/kg	<20.2	67.4	08/14/17 15:04	
Diethylphthalate	ug/kg	<27.7	92.3	08/14/17 15:04	
Dimethylphthalate	ug/kg	<21.7	72.4	08/14/17 15:04	
Fluoranthene	ug/kg	<23.6	78.8	08/14/17 15:04	
Fluorene	ug/kg	<19.5	65.1	08/14/17 15:04	
Hexachloro-1,3-butadiene	ug/kg	<42.5	142	08/14/17 15:04	
Hexachlorobenzene	ug/kg	<28.1	93.6	08/14/17 15:04	
Hexachlorocyclopentadiene	ug/kg	<39.5	132	08/14/17 15:04	
Hexachloroethane	ug/kg	<26.7	89.1	08/14/17 15:04	
Indeno(1,2,3-cd)pyrene	ug/kg	<36.1	120	08/14/17 15:04	
Isophorone	ug/kg	<25.7	85.6	08/14/17 15:04	
N-Nitroso-di-n-propylamine	ug/kg	<26.5	88.3	08/14/17 15:04	
N-Nitrosodiphenylamine	ug/kg	<227	755	08/14/17 15:04	
Naphthalene	ug/kg	<58.4	195	08/14/17 15:04	
Nitrobenzene	ug/kg	<33.9	113	08/14/17 15:04	
Pentachlorophenol	ug/kg	<36.8	123	08/14/17 15:04	
Phenanthrene	ug/kg	<21.4	71.4	08/14/17 15:04	
Phenol	ug/kg	<39.6	132	08/14/17 15:04	
Pyrene	ug/kg	<37.0	123	08/14/17 15:04	
2,4,6-Tribromophenol (S)	%	104	13-143	08/14/17 15:04	
2-Fluorobiphenyl (S)	%	86	18-127	08/14/17 15:04	
2-Fluorophenol (S)	%	83	16-103	08/14/17 15:04	
Nitrobenzene-d5 (S)	%	87	13-114	08/14/17 15:04	
Phenol-d6 (S)	%	79	30-97	08/14/17 15:04	
Terphenyl-d14 (S)	%	102	41-109	08/14/17 15:04	

LABORATORY CONTROL SAMPLE: 1556348

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1560	94	65-130	
1,2-Dichlorobenzene	ug/kg	1670	1410	85	53-130	
1,3-Dichlorobenzene	ug/kg	1670	1410	84	51-99	
1,4-Dichlorobenzene	ug/kg	1670	1410	85	52-101	
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	1500	90	54-105	
2,4,5-Trichlorophenol	ug/kg	1670	1600	96	60-119	
2,4,6-Trichlorophenol	ug/kg	1670	1580	95	64-115	
2,4-Dichlorophenol	ug/kg	1670	1610	97	66-99	
2,4-Dimethylphenol	ug/kg	1670	1590	96	70-121	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

LABORATORY CONTROL SAMPLE: 1556348

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	ug/kg	1670	1300	78	23-72	L1
2,4-Dinitrotoluene	ug/kg	1670	1750	105	58-131	
2,6-Dinitrotoluene	ug/kg	1670	1750	105	60-125	
2-Chloronaphthalene	ug/kg	1670	1570	95	64-111	
2-Chlorophenol	ug/kg	1670	1460	88	57-130	
2-Methylnaphthalene	ug/kg	1670	1630	98	67-130	
2-Methylphenol(o-Cresol)	ug/kg	1670	1490	90	64-106	
2-Nitroaniline	ug/kg	1670	1650	99	60-124	
2-Nitrophenol	ug/kg	1670	1530	92	63-107	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1480	89	62-106	
3,3'-Dichlorobenzidine	ug/kg	1670	1260	76	39-100	
3-Nitroaniline	ug/kg	1670	1520	91	53-119	
4,6-Dinitro-2-methylphenol	ug/kg	1670	1570	94	49-115	
4-Bromophenylphenyl ether	ug/kg	1670	1720	103	70-130	
4-Chloro-3-methylphenol	ug/kg	1670	1690	101	68-101	
4-Chloroaniline	ug/kg	1670	1350	81	62-126	
4-Chlorophenylphenyl ether	ug/kg	1670	1690	101	67-116	
4-Nitroaniline	ug/kg	1670	1580	95	48-130	
4-Nitrophenol	ug/kg	1670	1820	109	38-118	
Acenaphthene	ug/kg	1670	1620	97	65-116	
Acenaphthylene	ug/kg	1670	1610	97	63-119	
Anthracene	ug/kg	1670	1850	111	70-122	
Benzo(a)anthracene	ug/kg	1670	1570	94	68-111	
Benzo(a)pyrene	ug/kg	1670	1630	98	69-106	
Benzo(b)fluoranthene	ug/kg	1670	1610	97	62-104	
Benzo(g,h,i)perylene	ug/kg	1670	1690	102	55-114	
Benzo(k)fluoranthene	ug/kg	1670	1650	99	64-104	
bis(2-Chloroethoxy)methane	ug/kg	1670	1630	98	70-130	
bis(2-Chloroethyl) ether	ug/kg	1670	1430	86	55-130	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1750	105	56-117	
Butylbenzylphthalate	ug/kg	1670	1810	109	57-118	
Carbazole	ug/kg	1670	1850	111	70-125	
Chrysene	ug/kg	1670	1300	78	49-121	
Di-n-butylphthalate	ug/kg	1670	1930	116	68-113	L1
Di-n-octylphthalate	ug/kg	1670	1650	99	48-123	
Dibenz(a,h)anthracene	ug/kg	1670	982	59	10-124	
Dibenzofuran	ug/kg	1670	1580	95	67-118	
Diethylphthalate	ug/kg	1670	1880	113	68-117	
Dimethylphthalate	ug/kg	1670	1890	114	68-115	
Fluoranthene	ug/kg	1670	1780	107	72-117	
Fluorene	ug/kg	1670	1690	102	64-123	
Hexachloro-1,3-butadiene	ug/kg	1670	1710	103	62-106	
Hexachlorobenzene	ug/kg	1670	1710	103	70-130	
Hexachlorocyclopentadiene	ug/kg	1670	1230	74	41-114	
Hexachloroethane	ug/kg	1670	1470	88	51-96	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1510	90	47-116	
Isophorone	ug/kg	1670	1580	95	67-130	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

LABORATORY CONTROL SAMPLE: 1556348

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
N-Nitroso-di-n-propylamine	ug/kg	1670	1470	88	61-130	
N-Nitrosodiphenylamine	ug/kg	1670	1490	89	73-115	
Naphthalene	ug/kg	1670	1570	94	65-130	
Nitrobenzene	ug/kg	1670	1490	89	64-130	
Pentachlorophenol	ug/kg	1670	1660	100	50-111	
Phenanthrene	ug/kg	1670	1700	102	70-111	
Phenol	ug/kg	1670	1360	82	56-103	
Pyrene	ug/kg	1670	1710	103	69-118	
2,4,6-Tribromophenol (S)	%			110	13-143	
2-Fluorobiphenyl (S)	%			94	18-127	
2-Fluorophenol (S)	%			81	16-103	
Nitrobenzene-d5 (S)	%			92	13-114	
Phenol-d6 (S)	%			85	30-97	
Terphenyl-d14 (S)	%			101	41-109	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1556349 1556350

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40154392009 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,2,4-Trichlorobenzene	ug/kg	<44.8	1990	1990	1640	1540	83	78	51-130	6	28	
1,2-Dichlorobenzene	ug/kg	<125	1990	1990	1630	1480	82	75	43-130	10	34	
1,3-Dichlorobenzene	ug/kg	<54.9	1990	1990	1580	1430	79	72	39-99	9	34	
1,4-Dichlorobenzene	ug/kg	<55.2	1990	1990	1650	1440	83	73	39-101	14	34	
2,2'-Oxybis(1-chloropropane)	ug/kg	<102	1990	1990	1820	1660	92	83	39-105	10	28	
2,4,5-Trichlorophenol	ug/kg	<70.0	1990	1990	741	862	37	43	34-119	15	39	
2,4,6-Trichlorophenol	ug/kg	<60.4	1990	1990	448	595	23	30	41-117	28	33	M1
2,4-Dichlorophenol	ug/kg	<106	1990	1990	1080	1260	55	64	48-99	15	23	
2,4-Dimethylphenol	ug/kg	<78.4	1990	1990	1580	1460	79	74	47-121	8	35	
2,4-Dinitrophenol	ug/kg	<121	1990	1990	<121	<121	0	0	10-72		50	M0
2,4-Dinitrotoluene	ug/kg	<56.7	1990	1990	1630	1450	82	73	34-131	12	28	
2,6-Dinitrotoluene	ug/kg	<75.3	1990	1990	1660	1630	84	82	37-127	2	23	
2-Chloronaphthalene	ug/kg	<50.9	1990	1990	1660	1600	84	81	51-111	4	20	
2-Chlorophenol	ug/kg	<99.0	1990	1990	1300	1320	65	66	45-130	2	30	
2-Methylnaphthalene	ug/kg	131J	1990	1990	1940	1780	91	83	47-130	8	37	
2-Methylphenol(o-Cresol)	ug/kg	<72.0	1990	1990	1490	1350	75	68	46-106	10	32	
2-Nitroaniline	ug/kg	<113	1990	1990	1740	1580	88	80	36-126	10	33	
2-Nitrophenol	ug/kg	<125	1990	1990	845	1060	43	53	29-114	22	33	
3&4-Methylphenol(m&p Cresol)	ug/kg	<72.7	1990	1990	1430	1270	72	64	42-106	12	33	
3,3'-Dichlorobenzidine	ug/kg	<108	1990	1990	1660	1590	84	80	10-120	4	50	
3-Nitroaniline	ug/kg	<67.4	1990	1990	1450	1390	73	70	22-125	4	39	
4,6-Dinitro-2-methylphenol	ug/kg	<122	1990	1990	<122	<122	0	0	10-115		50	M1
4-Bromophenylphenyl ether	ug/kg	<83.0	1990	1990	1660	1550	84	78	52-130	7	22	
4-Chloro-3-methylphenol	ug/kg	<123	1990	1990	1530	1550	77	78	52-101	1	31	
4-Chloroaniline	ug/kg	<65.2	1990	1990	1380	1320	69	66	26-126	4	41	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Parameter	Units	40154392009		1556349		1556350		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
4-Chlorophenylphenyl ether	ug/kg	<73.8	1990	1990	1780	1770	90	89	54-116	1	22		
4-Nitroaniline	ug/kg	<165	1990	1990	1290	1300	65	65	15-130	0	50		
4-Nitrophenol	ug/kg	<99.8	1990	1990	<100	<100	0	0	10-118		47	M1	
Acenaphthene	ug/kg	<141	1990	1990	1800	1740	86	83	46-120	3	31		
Acenaphthylene	ug/kg	<141	1990	1990	1810	1700	87	82	50-119	6	30		
Anthracene	ug/kg	391	1990	1990	2290	2150	96	89	40-122	7	38		
Benzo(a)anthracene	ug/kg	1010	1990	1990	2510	2290	76	64	43-111	9	41		
Benzo(a)pyrene	ug/kg	892	1990	1990	2330	2160	73	64	46-106	7	43		
Benzo(b)fluoranthene	ug/kg	1150	1990	1990	2400	2270	63	57	39-104	6	47		
Benzo(g,h,i)perylene	ug/kg	563	1990	1990	1960	1830	70	64	39-114	7	37		
Benzo(k)fluoranthene	ug/kg	440	1990	1990	2080	1930	83	75	44-104	8	38		
bis(2-Chloroethoxy)methane	ug/kg	<107	1990	1990	1670	1590	84	80	49-130	5	20		
bis(2-Chloroethyl) ether	ug/kg	<124	1990	1990	1600	1440	81	73	40-130	10	33		
bis(2-Ethylhexyl)phthalate	ug/kg	<65.9	1990	1990	1870	1870	94	94	42-117	0	23		
Butylbenzylphthalate	ug/kg	<63.6	1990	1990	1960	1970	99	99	44-118	1	24		
Carbazole	ug/kg	106J	1990	1990	2090	1890	100	90	35-125	10	38		
Chrysene	ug/kg	1090	1990	1990	2210	1970	56	45	24-129	11	46		
Di-n-butylphthalate	ug/kg	<59.3	1990	1990	2110	2020	106	102	51-113	4	20		
Di-n-octylphthalate	ug/kg	<89.1	1990	1990	2060	1940	104	98	32-125	6	32		
Dibenz(a,h)anthracene	ug/kg	140J	1990	1990	1370	1280	62	58	10-124	7	33		
Dibenzofuran	ug/kg	88.6J	1990	1990	1790	1690	86	81	48-118	6	27		
Diethylphthalate	ug/kg	<65.7	1990	1990	2010	1940	101	98	54-117	4	32		
Dimethylphthalate	ug/kg	<51.6	1990	1990	1930	1870	97	94	53-115	3	35		
Fluoranthene	ug/kg	2240	1990	1990	3640	3100	71	43	41-117	16	41		
Fluorene	ug/kg	131J	1990	1990	1940	1840	91	86	46-123	5	36		
Hexachloro-1,3-butadiene	ug/kg	<101	1990	1990	1790	1660	90	84	46-106	7	27		
Hexachlorobenzene	ug/kg	<66.7	1990	1990	1720	1640	87	83	51-130	5	22		
Hexachlorocyclopentadiene	ug/kg	<93.8	1990	1990	200J	260J	10	13	10-118		47		
Hexachloroethane	ug/kg	<63.4	1990	1990	1490	1310	75	66	36-96	13	42		
Indeno(1,2,3-cd)pyrene	ug/kg	616	1990	1990	1940	1820	67	61	31-116	6	37		
Isophorone	ug/kg	<60.9	1990	1990	1620	1480	82	75	50-130	9	21		
N-Nitroso-di-n-propylamine	ug/kg	<62.9	1990	1990	1650	1560	83	79	46-130	6	36		
N-Nitrosodiphenylamine	ug/kg	<538	1990	1990	1580J	1470J	80	74	50-117		28		
Naphthalene	ug/kg	<139	1990	1990	1860	1700	89	81	46-130	9	28		
Nitrobenzene	ug/kg	<80.4	1990	1990	1600	1410	81	71	44-130	13	28		
Pentachlorophenol	ug/kg	<87.3	1990	1990	<87.5	<87.5	2	3	10-119		50	M1	
Phenanthrene	ug/kg	1510	1990	1990	2830	2560	67	53	42-111	10	45		
Phenol	ug/kg	<94.1	1990	1990	1340	1300	67	66	39-103	3	30		
Pyrene	ug/kg	1590	1990	1990	3040	2850	74	64	44-118	7	43		
2,4,6-Tribromophenol (S)	%						37	45	13-143				
2-Fluorobiphenyl (S)	%						83	79	18-127				
2-Fluorophenol (S)	%						44	48	16-103				
Nitrobenzene-d5 (S)	%						81	71	13-114				
Phenol-d6 (S)	%						63	62	30-97				
Terphenyl-d14 (S)	%						87	85	41-109				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

QC Batch: 263696 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 40154392001, 40154392002, 40154392003

METHOD BLANK: 1552186 Matrix: Water

Associated Lab Samples: 40154392001, 40154392002, 40154392003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<2.0	6.8	08/07/17 14:31	
1,2-Dichlorobenzene	ug/L	<1.9	6.4	08/07/17 14:31	
1,3-Dichlorobenzene	ug/L	<1.9	6.3	08/07/17 14:31	
1,4-Dichlorobenzene	ug/L	<1.9	6.3	08/07/17 14:31	
2,2'-Oxybis(1-chloropropane)	ug/L	<1.5	5.1	08/07/17 14:31	
2,4,5-Trichlorophenol	ug/L	<0.84	2.8	08/07/17 14:31	
2,4,6-Trichlorophenol	ug/L	<2.1	7.0	08/07/17 14:31	
2,4-Dichlorophenol	ug/L	<1.4	4.6	08/07/17 14:31	
2,4-Dimethylphenol	ug/L	<1.3	4.2	08/07/17 14:31	
2,4-Dinitrophenol	ug/L	<0.71	2.4	08/07/17 14:31	
2,4-Dinitrotoluene	ug/L	<0.79	2.6	08/07/17 14:31	
2,6-Dinitrotoluene	ug/L	<0.60	2.0	08/07/17 14:31	
2-Chloronaphthalene	ug/L	<1.6	5.5	08/07/17 14:31	
2-Chlorophenol	ug/L	<1.2	3.9	08/07/17 14:31	
2-Methylnaphthalene	ug/L	<1.5	5.0	08/07/17 14:31	
2-Methylphenol(o-Cresol)	ug/L	<0.87	2.9	08/07/17 14:31	
2-Nitroaniline	ug/L	<0.77	2.6	08/07/17 14:31	
2-Nitrophenol	ug/L	<1.2	3.9	08/07/17 14:31	
3&4-Methylphenol(m&p Cresol)	ug/L	<1.6	5.2	08/07/17 14:31	
3,3'-Dichlorobenzidine	ug/L	<0.91	3.0	08/07/17 14:31	
3-Nitroaniline	ug/L	<0.97	3.2	08/07/17 14:31	
4,6-Dinitro-2-methylphenol	ug/L	<0.65	2.2	08/07/17 14:31	
4-Bromophenylphenyl ether	ug/L	<2.0	6.6	08/07/17 14:31	
4-Chloro-3-methylphenol	ug/L	<1.7	5.6	08/07/17 14:31	
4-Chloroaniline	ug/L	<1.1	3.7	08/07/17 14:31	
4-Chlorophenylphenyl ether	ug/L	<0.82	2.7	08/07/17 14:31	
4-Nitroaniline	ug/L	<1.8	6.1	08/07/17 14:31	
4-Nitrophenol	ug/L	<1.0	3.5	08/07/17 14:31	
Acenaphthene	ug/L	<1.3	4.5	08/07/17 14:31	
Acenaphthylene	ug/L	<1.1	3.5	08/07/17 14:31	
Anthracene	ug/L	<1.8	6.0	08/07/17 14:31	
Benzo(a)anthracene	ug/L	<0.53	1.8	08/07/17 14:31	
Benzo(a)pyrene	ug/L	<1.9	6.3	08/07/17 14:31	
Benzo(b)fluoranthene	ug/L	<0.65	2.2	08/07/17 14:31	
Benzo(g,h,i)perylene	ug/L	<0.81	2.7	08/07/17 14:31	
Benzo(k)fluoranthene	ug/L	<1.0	3.3	08/07/17 14:31	
bis(2-Chloroethoxy)methane	ug/L	<1.0	3.3	08/07/17 14:31	
bis(2-Chloroethyl) ether	ug/L	<1.6	5.3	08/07/17 14:31	
bis(2-Ethylhexyl)phthalate	ug/L	<0.69	2.3	08/07/17 14:31	
Butylbenzylphthalate	ug/L	<0.77	2.6	08/07/17 14:31	
Carbazole	ug/L	<0.75	2.5	08/07/17 14:31	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

METHOD BLANK: 1552186

Matrix: Water

Associated Lab Samples: 40154392001, 40154392002, 40154392003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chrysene	ug/L	<1.7	5.8	08/07/17 14:31	
Di-n-butylphthalate	ug/L	<2.6	8.5	08/07/17 14:31	
Di-n-octylphthalate	ug/L	<1.9	6.3	08/07/17 14:31	
Dibenz(a,h)anthracene	ug/L	<1.3	4.4	08/07/17 14:31	
Dibenzofuran	ug/L	<0.77	2.6	08/07/17 14:31	
Diethylphthalate	ug/L	<1.1	3.6	08/07/17 14:31	
Dimethylphthalate	ug/L	<1.9	6.4	08/07/17 14:31	
Fluoranthene	ug/L	<0.56	1.9	08/07/17 14:31	
Fluorene	ug/L	<0.75	2.5	08/07/17 14:31	
Hexachloro-1,3-butadiene	ug/L	<2.5	8.2	08/07/17 14:31	
Hexachlorobenzene	ug/L	<1.7	5.6	08/07/17 14:31	
Hexachlorocyclopentadiene	ug/L	<0.68	2.3	08/07/17 14:31	
Hexachloroethane	ug/L	<2.7	8.9	08/07/17 14:31	
Indeno(1,2,3-cd)pyrene	ug/L	<1.5	5.0	08/07/17 14:31	
Isophorone	ug/L	<0.73	2.4	08/07/17 14:31	
N-Nitroso-di-n-propylamine	ug/L	<0.97	3.2	08/07/17 14:31	
N-Nitrosodiphenylamine	ug/L	<3.5	11.8	08/07/17 14:31	
Naphthalene	ug/L	<1.9	6.3	08/07/17 14:31	
Nitrobenzene	ug/L	<1.5	4.8	08/07/17 14:31	
Pentachlorophenol	ug/L	<1.4	4.8	08/07/17 14:31	
Phenanthrene	ug/L	<1.8	6.1	08/07/17 14:31	
Phenol	ug/L	<0.60	2.0	08/07/17 14:31	
Pyrene	ug/L	<1.3	4.5	08/07/17 14:31	
2,4,6-Tribromophenol (S)	%	98	65-140	08/07/17 14:31	
2-Fluorobiphenyl (S)	%	85	59-109	08/07/17 14:31	
2-Fluorophenol (S)	%	57	27-67	08/07/17 14:31	
Nitrobenzene-d5 (S)	%	95	53-100	08/07/17 14:31	
Phenol-d6 (S)	%	38	18-120	08/07/17 14:31	
Terphenyl-d14 (S)	%	98	59-108	08/07/17 14:31	

LABORATORY CONTROL SAMPLE & LCSD: 1552187

1552188

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	43.4	40.2	87	80	66-130	8	20	
1,2-Dichlorobenzene	ug/L	50	37.8	33.8	76	68	50-130	11	20	
1,3-Dichlorobenzene	ug/L	50	35.4	32.5	71	65	42-98	9	21	
1,4-Dichlorobenzene	ug/L	50	36.4	33.2	73	66	44-84	9	20	
2,2'-Oxybis(1-chloropropane)	ug/L	50	47.1	43.1	94	86	58-130	9	20	
2,4,5-Trichlorophenol	ug/L	50	46.0	45.4	92	91	63-127	1	24	
2,4,6-Trichlorophenol	ug/L	50	47.3	46.2	95	92	65-125	2	23	
2,4-Dichlorophenol	ug/L	50	45.1	45.7	90	91	71-104	1	20	
2,4-Dimethylphenol	ug/L	50	33.9	36.7	68	73	40-85	8	29	
2,4-Dinitrophenol	ug/L	50	40.4	38.6	81	77	33-126	5	34	
2,4-Dinitrotoluene	ug/L	50	51.4	48.2	103	96	68-137	6	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

LABORATORY CONTROL SAMPLE & LCSD: 1552187		1552188									
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
2,6-Dinitrotoluene	ug/L	50	52.8	49.6	106	99	71-130	6	20		
2-Chloronaphthalene	ug/L	50	46.7	44.5	93	89	70-120	5	20		
2-Chlorophenol	ug/L	50	41.5	43.2	83	86	60-101	4	20		
2-Methylnaphthalene	ug/L	50	47.2	44.9	94	90	70-130	5	20		
2-Methylphenol(o-Cresol)	ug/L	50	37.1	39.0	74	78	54-103	5	20		
2-Nitroaniline	ug/L	50	51.3	46.7	103	93	70-130	9	20		
2-Nitrophenol	ug/L	50	46.9	47.0	94	94	66-111	0	20		
3&4-Methylphenol(m&p Cresol)	ug/L	50	33.1	34.2	66	68	50-95	3	20		
3,3'-Dichlorobenzidine	ug/L	50	35.1	33.4	70	67	37-97	5	26		
3-Nitroaniline	ug/L	50	49.0	45.8	98	92	70-113	7	20		
4,6-Dinitro-2-methylphenol	ug/L	50	48.8	48.2	98	96	49-136	1	25		
4-Bromophenylphenyl ether	ug/L	50	51.9	51.1	104	102	70-130	2	20		
4-Chloro-3-methylphenol	ug/L	50	45.4	45.9	91	92	69-109	1	20		
4-Chloroaniline	ug/L	50	46.7	45.1	93	90	70-125	3	20		
4-Chlorophenylphenyl ether	ug/L	50	48.5	46.3	97	93	70-130	5	20		
4-Nitroaniline	ug/L	50	49.2	44.8	98	90	70-124	9	23		
4-Nitrophenol	ug/L	50	21.4	17.6	43	35	21-130	20	30		
Acenaphthene	ug/L	50	48.4	45.7	97	91	73-118	6	20		
Acenaphthylene	ug/L	50	48.1	45.3	96	91	70-120	6	20		
Anthracene	ug/L	50	53.7	53.1	107	106	70-130	1	20		
Benzo(a)anthracene	ug/L	50	48.6	46.2	97	92	70-130	5	20		
Benzo(a)pyrene	ug/L	50	49.2	45.2	98	90	73-106	8	20		
Benzo(b)fluoranthene	ug/L	50	49.5	45.7	99	91	68-130	8	20		
Benzo(g,h,i)perylene	ug/L	50	51.9	48.0	104	96	60-121	8	20		
Benzo(k)fluoranthene	ug/L	50	48.5	46.4	97	93	62-124	4	20		
bis(2-Chloroethoxy)methane	ug/L	50	50.8	48.2	102	96	70-130	5	20		
bis(2-Chloroethyl) ether	ug/L	50	47.4	43.9	95	88	65-130	8	20		
bis(2-Ethylhexyl)phthalate	ug/L	50	55.3	50.7	111	101	66-123	9	20		
Butylbenzylphthalate	ug/L	50	57.1	52.9	114	106	63-123	8	20		
Carbazole	ug/L	50	56.2	53.4	112	107	70-130	5	20		
Chrysene	ug/L	50	39.3	37.8	79	76	50-127	4	20		
Di-n-butylphthalate	ug/L	50	58.7	55.2	117	110	70-130	6	20		
Di-n-octylphthalate	ug/L	50	52.9	47.9	106	96	53-121	10	23		
Dibenz(a,h)anthracene	ug/L	50	33.9	30.4	68	61	10-130	11	25		
Dibenzofuran	ug/L	50	46.3	44.8	93	90	70-124	3	20		
Diethylphthalate	ug/L	50	54.1	51.5	108	103	70-130	5	20		
Dimethylphthalate	ug/L	50	53.4	52.6	107	105	70-130	2	20		
Fluoranthene	ug/L	50	52.7	49.8	105	100	75-118	6	21		
Fluorene	ug/L	50	49.6	47.3	99	95	70-130	5	20		
Hexachloro-1,3-butadiene	ug/L	50	43.6	41.1	87	82	57-100	6	20		
Hexachlorobenzene	ug/L	50	51.6	49.9	103	100	70-130	3	20		
Hexachlorocyclopentadiene	ug/L	50	22.4	19.6	45	39	19-75	13	29		
Hexachloroethane	ug/L	50	34.6	31.1	69	62	41-130	10	24		
Indeno(1,2,3-cd)pyrene	ug/L	50	51.8	46.9	104	94	43-122	10	26		
Isophorone	ug/L	50	48.6	45.6	97	91	70-130	6	20		
N-Nitroso-di-n-propylamine	ug/L	50	46.0	42.2	92	84	70-130	9	20		
N-Nitrosodiphenylamine	ug/L	50	53.2	54.2	106	108	83-129	2	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Parameter	Units	1552187		1552188			% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec				
Naphthalene	ug/L	50	46.2	43.7	92	87	68-130	6	20	
Nitrobenzene	ug/L	50	46.9	43.9	94	88	70-130	7	20	
Pentachlorophenol	ug/L	50	49.3	46.4	99	93	57-121	6	26	
Phenanthrene	ug/L	50	50.6	49.3	101	99	70-124	3	20	
Phenol	ug/L	50	20.0	18.2	40	36	25-120	9	20	
Pyrene	ug/L	50	52.3	50.4	105	101	70-130	4	21	
2,4,6-Tribromophenol (S)	%				103	98	65-140			
2-Fluorobiphenyl (S)	%				88	80	59-109			
2-Fluorophenol (S)	%				56	57	27-67			
Nitrobenzene-d5 (S)	%				93	86	53-100			
Phenol-d6 (S)	%				38	34	18-120			
Terphenyl-d14 (S)	%				103	101	59-108			

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

QC Batch: 263959

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 Water MSSV

Associated Lab Samples: 40154392005, 40154392006

METHOD BLANK: 1553397

Matrix: Water

Associated Lab Samples: 40154392005, 40154392006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<2.0	6.8	08/09/17 17:27	
1,2-Dichlorobenzene	ug/L	<1.9	6.4	08/09/17 17:27	
1,3-Dichlorobenzene	ug/L	<1.9	6.3	08/09/17 17:27	
1,4-Dichlorobenzene	ug/L	<1.9	6.3	08/09/17 17:27	
2,2'-Oxybis(1-chloropropane)	ug/L	<1.5	5.1	08/09/17 17:27	
2,4,5-Trichlorophenol	ug/L	<0.84	2.8	08/09/17 17:27	
2,4,6-Trichlorophenol	ug/L	<2.1	7.0	08/09/17 17:27	
2,4-Dichlorophenol	ug/L	<1.4	4.6	08/09/17 17:27	
2,4-Dimethylphenol	ug/L	<1.3	4.2	08/09/17 17:27	
2,4-Dinitrophenol	ug/L	<0.71	2.4	08/09/17 17:27	
2,4-Dinitrotoluene	ug/L	<0.79	2.6	08/09/17 17:27	
2,6-Dinitrotoluene	ug/L	<0.60	2.0	08/09/17 17:27	
2-Chloronaphthalene	ug/L	<1.6	5.5	08/09/17 17:27	
2-Chlorophenol	ug/L	<1.2	3.9	08/09/17 17:27	
2-Methylnaphthalene	ug/L	<1.5	5.0	08/09/17 17:27	
2-Methylphenol(o-Cresol)	ug/L	<0.87	2.9	08/09/17 17:27	
2-Nitroaniline	ug/L	<0.77	2.6	08/09/17 17:27	
2-Nitrophenol	ug/L	<1.2	3.9	08/09/17 17:27	
3&4-Methylphenol(m&p Cresol)	ug/L	<1.6	5.2	08/09/17 17:27	
3,3'-Dichlorobenzidine	ug/L	<0.91	3.0	08/09/17 17:27	
3-Nitroaniline	ug/L	<0.97	3.2	08/09/17 17:27	
4,6-Dinitro-2-methylphenol	ug/L	<0.65	2.2	08/09/17 17:27	
4-Bromophenylphenyl ether	ug/L	<2.0	6.6	08/09/17 17:27	
4-Chloro-3-methylphenol	ug/L	<1.7	5.6	08/09/17 17:27	
4-Chloroaniline	ug/L	<1.1	3.7	08/09/17 17:27	
4-Chlorophenylphenyl ether	ug/L	<0.82	2.7	08/09/17 17:27	
4-Nitroaniline	ug/L	<1.8	6.1	08/09/17 17:27	
4-Nitrophenol	ug/L	<1.0	3.5	08/09/17 17:27	
Acenaphthene	ug/L	<1.3	4.5	08/09/17 17:27	
Acenaphthylene	ug/L	<1.1	3.5	08/09/17 17:27	
Anthracene	ug/L	<1.8	6.0	08/09/17 17:27	
Benzo(a)anthracene	ug/L	<0.53	1.8	08/09/17 17:27	
Benzo(a)pyrene	ug/L	<1.9	6.3	08/09/17 17:27	
Benzo(b)fluoranthene	ug/L	<0.65	2.2	08/09/17 17:27	
Benzo(g,h,i)perylene	ug/L	<0.81	2.7	08/09/17 17:27	
Benzo(k)fluoranthene	ug/L	<1.0	3.3	08/09/17 17:27	
bis(2-Chloroethoxy)methane	ug/L	<1.0	3.3	08/09/17 17:27	
bis(2-Chloroethyl) ether	ug/L	<1.6	5.3	08/09/17 17:27	
bis(2-Ethylhexyl)phthalate	ug/L	<0.69	2.3	08/09/17 17:27	
Butylbenzylphthalate	ug/L	<0.77	2.6	08/09/17 17:27	
Carbazole	ug/L	<0.75	2.5	08/09/17 17:27	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154392

METHOD BLANK: 1553397 Matrix: Water

Associated Lab Samples: 40154392005, 40154392006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chrysene	ug/L	<1.7	5.8	08/09/17 17:27	
Di-n-butylphthalate	ug/L	<2.6	8.5	08/09/17 17:27	
Di-n-octylphthalate	ug/L	<1.9	6.3	08/09/17 17:27	
Dibenz(a,h)anthracene	ug/L	<1.3	4.4	08/09/17 17:27	
Dibenzofuran	ug/L	<0.77	2.6	08/09/17 17:27	
Diethylphthalate	ug/L	<1.1	3.6	08/09/17 17:27	
Dimethylphthalate	ug/L	<1.9	6.4	08/09/17 17:27	
Fluoranthene	ug/L	<0.56	1.9	08/09/17 17:27	
Fluorene	ug/L	<0.75	2.5	08/09/17 17:27	
Hexachloro-1,3-butadiene	ug/L	<2.5	8.2	08/09/17 17:27	
Hexachlorobenzene	ug/L	<1.7	5.6	08/09/17 17:27	
Hexachlorocyclopentadiene	ug/L	<0.68	2.3	08/09/17 17:27	
Hexachloroethane	ug/L	<2.7	8.9	08/09/17 17:27	
Indeno(1,2,3-cd)pyrene	ug/L	<1.5	5.0	08/09/17 17:27	
Isophorone	ug/L	<0.73	2.4	08/09/17 17:27	
N-Nitroso-di-n-propylamine	ug/L	<0.97	3.2	08/09/17 17:27	
N-Nitrosodiphenylamine	ug/L	<3.5	11.8	08/09/17 17:27	
Naphthalene	ug/L	<1.9	6.3	08/09/17 17:27	
Nitrobenzene	ug/L	<1.5	4.8	08/09/17 17:27	
Pentachlorophenol	ug/L	<1.4	4.8	08/09/17 17:27	
Phenanthrene	ug/L	<1.8	6.1	08/09/17 17:27	
Phenol	ug/L	<0.60	2.0	08/09/17 17:27	
Pyrene	ug/L	<1.3	4.5	08/09/17 17:27	
2,4,6-Tribromophenol (S)	%	105	65-140	08/09/17 17:27	
2-Fluorobiphenyl (S)	%	90	59-109	08/09/17 17:27	
2-Fluorophenol (S)	%	54	27-67	08/09/17 17:27	
Nitrobenzene-d5 (S)	%	95	53-100	08/09/17 17:27	
Phenol-d6 (S)	%	34	18-120	08/09/17 17:27	
Terphenyl-d14 (S)	%	107	59-108	08/09/17 17:27	

LABORATORY CONTROL SAMPLE: 1553398

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	46.4	93	66-130	
1,2-Dichlorobenzene	ug/L	50	39.5	79	50-130	
1,3-Dichlorobenzene	ug/L	50	37.9	76	42-98	
1,4-Dichlorobenzene	ug/L	50	38.2	76	44-84	
2,2'-Oxybis(1-chloropropane)	ug/L	50	46.0	92	58-130	
2,4,5-Trichlorophenol	ug/L	50	48.8	98	63-127	
2,4,6-Trichlorophenol	ug/L	50	50.3	101	65-125	
2,4-Dichlorophenol	ug/L	50	48.4	97	71-104	
2,4-Dimethylphenol	ug/L	50	38.6	77	40-85	
2,4-Dinitrophenol	ug/L	50	39.7	79	33-126	
2,4-Dinitrotoluene	ug/L	50	56.3	113	68-137	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154392

LABORATORY CONTROL SAMPLE: 1553398

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,6-Dinitrotoluene	ug/L	50	55.4	111	71-130	
2-Chloronaphthalene	ug/L	50	47.7	95	70-120	
2-Chlorophenol	ug/L	50	44.7	89	60-101	
2-Methylnaphthalene	ug/L	50	50.0	100	70-130	
2-Methylphenol(o-Cresol)	ug/L	50	39.7	79	54-103	
2-Nitroaniline	ug/L	50	52.0	104	70-130	
2-Nitrophenol	ug/L	50	50.8	102	66-111	
3&4-Methylphenol(m&p Cresol)	ug/L	50	35.0	70	50-95	
3,3'-Dichlorobenzidine	ug/L	50	36.8	74	37-97	
3-Nitroaniline	ug/L	50	51.7	103	70-113	
4,6-Dinitro-2-methylphenol	ug/L	50	47.1	94	49-136	
4-Bromophenylphenyl ether	ug/L	50	52.4	105	70-130	
4-Chloro-3-methylphenol	ug/L	50	52.6	105	69-109	
4-Chloroaniline	ug/L	50	44.1	88	70-125	
4-Chlorophenylphenyl ether	ug/L	50	52.9	106	70-130	
4-Nitroaniline	ug/L	50	51.3	103	70-124	
4-Nitrophenol	ug/L	50	18.1	36	21-130	
Acenaphthene	ug/L	50	49.9	100	73-118	
Acenaphthylene	ug/L	50	50.4	101	70-120	
Anthracene	ug/L	50	57.4	115	70-130	
Benzo(a)anthracene	ug/L	50	46.1	92	70-130	
Benzo(a)pyrene	ug/L	50	44.4	89	73-106	
Benzo(b)fluoranthene	ug/L	50	45.2	90	68-130	
Benzo(g,h,i)perylene	ug/L	50	46.2	92	60-121	
Benzo(k)fluoranthene	ug/L	50	42.5	85	62-124	
bis(2-Chloroethoxy)methane	ug/L	50	50.2	100	70-130	
bis(2-Chloroethyl) ether	ug/L	50	46.1	92	65-130	
bis(2-Ethylhexyl)phthalate	ug/L	50	53.9	108	66-123	
Butylbenzylphthalate	ug/L	50	56.4	113	63-123	
Carbazole	ug/L	50	58.1	116	70-130	
Chrysene	ug/L	50	37.6	75	50-127	
Di-n-butylphthalate	ug/L	50	63.0	126	70-130	
Di-n-octylphthalate	ug/L	50	51.2	102	53-121	
Dibenz(a,h)anthracene	ug/L	50	30.7	61	10-130	
Dibenzofuran	ug/L	50	49.8	100	70-124	
Diethylphthalate	ug/L	50	60.2	120	70-130	
Dimethylphthalate	ug/L	50	58.3	117	70-130	
Fluoranthene	ug/L	50	58.4	117	75-118	
Fluorene	ug/L	50	53.7	107	70-130	
Hexachloro-1,3-butadiene	ug/L	50	49.4	99	57-100	
Hexachlorobenzene	ug/L	50	52.6	105	70-130	
Hexachlorocyclopentadiene	ug/L	50	20.0	40	19-75	
Hexachloroethane	ug/L	50	37.6	75	41-130	
Indeno(1,2,3-cd)pyrene	ug/L	50	46.5	93	43-122	
Isophorone	ug/L	50	49.2	98	70-130	
N-Nitroso-di-n-propylamine	ug/L	50	42.9	86	70-130	
N-Nitrosodiphenylamine	ug/L	50	52.3	105	83-129	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

LABORATORY CONTROL SAMPLE: 1553398

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	50	47.8	96	68-130	
Nitrobenzene	ug/L	50	47.1	94	70-130	
Pentachlorophenol	ug/L	50	50.6	101	57-121	
Phenanthrene	ug/L	50	53.1	106	70-124	
Phenol	ug/L	50	18.7	37	25-120	
Pyrene	ug/L	50	51.0	102	70-130	
2,4,6-Tribromophenol (S)	%			123	65-140	
2-Fluorobiphenyl (S)	%			92	59-109	
2-Fluorophenol (S)	%			60	27-67	
Nitrobenzene-d5 (S)	%			101	53-100	S0
Phenol-d6 (S)	%			37	18-120	
Terphenyl-d14 (S)	%			104	59-108	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1553399 1553400

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40154413004 Result	Spike Conc.	Spike Conc.	MS Result						
2,4-Dimethylphenol	ug/L	<1.2	50	52.1	22.4	21.0	45	40	10-85	7	50
2-Methylnaphthalene	ug/L	<1.5	50	52.1	48.1	53.7	96	103	58-130	11	22
3&4-Methylphenol(m&p Cresol)	ug/L	<1.5	50	52.1	31.4	30.7	63	59	21-95	2	45
Carbazole	ug/L	<0.72	50	52.1	55.4	61.9	111	119	68-130	11	22
Dibenzofuran	ug/L	<0.74	50	52.1	46.6	52.6	93	101	52-124	12	21
Phenol	ug/L	<0.58	50	52.1	15.6	18.4	31	35	16-120	17	24
2,4,6-Tribromophenol (S)	%						111	113	65-140		
2-Fluorobiphenyl (S)	%						88	94	59-109		
2-Fluorophenol (S)	%						51	50	27-67		
Nitrobenzene-d5 (S)	%						90	98	53-100		
Phenol-d6 (S)	%						32	36	18-120		
Terphenyl-d14 (S)	%						100	99	59-108		

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154392

QC Batch: 263818 Analysis Method: EPA 8270 by HVI
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by HVI
Associated Lab Samples: 40154392004

METHOD BLANK: 1552592 Matrix: Water
Associated Lab Samples: 40154392004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0059	0.030	08/08/17 13:13	
2-Methylnaphthalene	ug/L	<0.0049	0.024	08/08/17 13:13	
Acenaphthene	ug/L	<0.0061	0.030	08/08/17 13:13	
Acenaphthylene	ug/L	<0.0050	0.025	08/08/17 13:13	
Anthracene	ug/L	<0.010	0.052	08/08/17 13:13	
Benzo(a)anthracene	ug/L	<0.0076	0.038	08/08/17 13:13	
Benzo(a)pyrene	ug/L	<0.011	0.053	08/08/17 13:13	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	08/08/17 13:13	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	08/08/17 13:13	
Benzo(k)fluoranthene	ug/L	<0.0076	0.038	08/08/17 13:13	
Chrysene	ug/L	<0.013	0.065	08/08/17 13:13	
Dibenz(a,h)anthracene	ug/L	<0.010	0.050	08/08/17 13:13	
Fluoranthene	ug/L	<0.011	0.053	08/08/17 13:13	
Fluorene	ug/L	<0.0080	0.040	08/08/17 13:13	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	08/08/17 13:13	
Naphthalene	ug/L	<0.018	0.092	08/08/17 13:13	
Phenanthrene	ug/L	0.026J	0.069	08/08/17 13:13	
Pyrene	ug/L	0.011J	0.038	08/08/17 13:13	
2-Fluorobiphenyl (S)	%	54	35-84	08/08/17 13:13	
Terphenyl-d14 (S)	%	97	10-129	08/08/17 13:13	

LABORATORY CONTROL SAMPLE: 1552593

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.2	59	39-83	
2-Methylnaphthalene	ug/L	2	1.2	58	38-86	
Acenaphthene	ug/L	2	1.3	66	35-85	
Acenaphthylene	ug/L	2	1.2	59	31-88	
Anthracene	ug/L	2	1.5	73	47-104	
Benzo(a)anthracene	ug/L	2	1.5	74	36-105	
Benzo(a)pyrene	ug/L	2	1.8	88	69-117	
Benzo(b)fluoranthene	ug/L	2	1.8	89	54-107	
Benzo(g,h,i)perylene	ug/L	2	0.99	49	13-86	
Benzo(k)fluoranthene	ug/L	2	2.1	106	63-128	
Chrysene	ug/L	2	2.2	108	69-150	
Dibenz(a,h)anthracene	ug/L	2	0.75	38	10-87	
Fluoranthene	ug/L	2	1.6	80	57-103	
Fluorene	ug/L	2	1.3	67	38-85	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.4	69	40-111	
Naphthalene	ug/L	2	1.2	61	39-82	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

LABORATORY CONTROL SAMPLE: 1552593

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	2	1.5	76	46-96	
Pyrene	ug/L	2	1.8	91	57-110	
2-Fluorobiphenyl (S)	%			64	35-84	
Terphenyl-d14 (S)	%			92	10-129	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1552594 1552595

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max		Qual
		40154413004	Spike Conc.	Spike Conc.	Result						RPD	RPD	
1-Methylnaphthalene	ug/L	<0.0063	2.2	2.1	1.1	0.94	48	44	27-86	13	29		
2-Methylnaphthalene	ug/L	<0.0052	2.2	2.1	1.0	0.92	45	43	30-86	10	35		
Acenaphthene	ug/L	<0.0065	2.2	2.1	1.1	1.0	50	49	28-85	9	29		
Acenaphthylene	ug/L	<0.0053	2.2	2.1	0.97	0.89	43	42	27-88	8	29		
Anthracene	ug/L	<0.011	2.2	2.1	1.5	0.99	65	46	38-104	39	35	R1	
Benzo(a)anthracene	ug/L	<0.0080	2.2	2.1	1.1	0.77	48	36	10-105	33	28	R1	
Benzo(a)pyrene	ug/L	<0.011	2.2	2.1	1.3	1.0	56	49	10-130	18	26		
Benzo(b)fluoranthene	ug/L	<0.0061	2.2	2.1	1.3	1.1	58	53	10-115	14	25		
Benzo(g,h,i)perylene	ug/L	<0.0072	2.2	2.1	0.61	0.47	27	22	10-87	25	42		
Benzo(k)fluoranthene	ug/L	<0.0080	2.2	2.1	1.5	1.1	67	54	10-133	27	25	R1	
Chrysene	ug/L	<0.014	2.2	2.1	2.0	1.4	87	65	17-150	34	24	R1	
Dibenz(a,h)anthracene	ug/L	<0.011	2.2	2.1	0.54	0.44	24	21	10-89	21	49		
Fluoranthene	ug/L	<0.011	2.2	2.1	1.4	1.0	62	49	41-103	30	32		
Fluorene	ug/L	<0.0085	2.2	2.1	1.1	1.0	50	48	32-85	10	28		
Indeno(1,2,3-cd)pyrene	ug/L	<0.019	2.2	2.1	0.86	0.73	38	35	10-111	15	37		
Naphthalene	ug/L	<0.020	2.2	2.1	1.0	1.0	47	47	23-88	5	28		
Phenanthrene	ug/L	0.015J	2.2	2.1	1.3	1.0	58	48	33-96	24	25		
Pyrene	ug/L	<0.0081	2.2	2.1	1.6	1.3	73	60	38-110	25	28		
2-Fluorobiphenyl (S)	%						46	46	35-84				
Terphenyl-d14 (S)	%						71	61	10-129				

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

QC Batch:	264490	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40154392007, 40154392008, 40154392009, 40154392010, 40154392011, 40154392012, 40154392013, 40154392014		

SAMPLE DUPLICATE: 1556488

Parameter	Units	40154392007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.1	8.0	0	10	

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QUALIFIERS

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154392

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: 263780

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

S0 Surrogate recovery outside laboratory control limits.

S1 Surrogate recovery outside laboratory control limits (confirmed by re-analysis).

W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154392

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40154392007	SB-50 1-2	EPA 3541	263888	EPA 8082	263889
40154392008	SB-49 5-7	EPA 3541	263888	EPA 8082	263889
40154392009	SB-51 1-1.5	EPA 3541	263888	EPA 8082	263889
40154392010	SB-46 4-5	EPA 3541	263888	EPA 8082	263889
40154392011	SB-45 2-3	EPA 3541	263888	EPA 8082	263889
40154392012	SB-12 1-1.5	EPA 3541	263888	EPA 8082	263889
40154392013	SB-40 4-5	EPA 3541	263888	EPA 8082	263889
40154392014	SB-41 1-1.5	EPA 3541	263888	EPA 8082	263889
40154392007	SB-50 1-2	EPA 3050	264009	EPA 6010	264143
40154392008	SB-49 5-7	EPA 3050	264009	EPA 6010	264143
40154392009	SB-51 1-1.5	EPA 3050	264009	EPA 6010	264143
40154392010	SB-46 4-5	EPA 3050	264009	EPA 6010	264143
40154392011	SB-45 2-3	EPA 3050	264009	EPA 6010	264143
40154392012	SB-12 1-1.5	EPA 3050	264009	EPA 6010	264143
40154392013	SB-40 4-5	EPA 3050	264009	EPA 6010	264143
40154392014	SB-41 1-1.5	EPA 3050	264009	EPA 6010	264143
40154392001	SB-47-S	EPA 3010	264158	EPA 6010	264276
40154392002	SB-45-S	EPA 3010	264158	EPA 6010	264276
40154392003	SB-46-S	EPA 3010	264158	EPA 6010	264276
40154392004	SB-9-S	EPA 3010	264158	EPA 6010	264276
40154392005	SB-41-S	EPA 3010	264158	EPA 6010	264276
40154392006	SB-12-S	EPA 3010	264158	EPA 6010	264276
40154392001	SB-47-S	EPA 7470	264468	EPA 7470	264535
40154392002	SB-45-S	EPA 7470	264468	EPA 7470	264535
40154392003	SB-46-S	EPA 7470	264468	EPA 7470	264535
40154392005	SB-41-S	EPA 7470	264468	EPA 7470	264535
40154392006	SB-12-S	EPA 7470	264468	EPA 7470	264535
40154392007	SB-50 1-2	EPA 7471	264417	EPA 7471	264456
40154392008	SB-49 5-7	EPA 7471	264417	EPA 7471	264456
40154392009	SB-51 1-1.5	EPA 7471	264417	EPA 7471	264456
40154392010	SB-46 4-5	EPA 7471	264417	EPA 7471	264456
40154392011	SB-45 2-3	EPA 7471	264417	EPA 7471	264456
40154392012	SB-12 1-1.5	EPA 7471	264417	EPA 7471	264456
40154392013	SB-40 4-5	EPA 7471	264417	EPA 7471	264456
40154392014	SB-41 1-1.5	EPA 7471	264417	EPA 7471	264456
40154392007	SB-50 1-2	EPA 3546	264438	EPA 8270	264489
40154392008	SB-49 5-7	EPA 3546	264438	EPA 8270	264489
40154392009	SB-51 1-1.5	EPA 3546	264438	EPA 8270	264489
40154392010	SB-46 4-5	EPA 3546	264438	EPA 8270	264489
40154392011	SB-45 2-3	EPA 3546	264438	EPA 8270	264489
40154392012	SB-12 1-1.5	EPA 3546	264438	EPA 8270	264489
40154392013	SB-40 4-5	EPA 3546	264438	EPA 8270	264489
40154392014	SB-41 1-1.5	EPA 3546	264438	EPA 8270	264489
40154392001	SB-47-S	EPA 3510	263696	EPA 8270	263780
40154392002	SB-45-S	EPA 3510	263696	EPA 8270	263780
40154392003	SB-46-S	EPA 3510	263696	EPA 8270	263780

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154392

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40154392005	SB-41-S	EPA 3510	263959	EPA 8270	264058
40154392006	SB-12-S	EPA 3510	263959	EPA 8270	264058
40154392004	SB-9-S	EPA 3510	263818	EPA 8270 by HVI	263885
40154392007	SB-50 1-2	EPA 5035/5030B	263759	EPA 8260	263765
40154392008	SB-49 5-7	EPA 5035/5030B	263747	EPA 8260	263750
40154392009	SB-51 1-1.5	EPA 5035/5030B	263747	EPA 8260	263750
40154392010	SB-46 4-5	EPA 5035/5030B	263747	EPA 8260	263750
40154392011	SB-45 2-3	EPA 5035/5030B	263747	EPA 8260	263750
40154392012	SB-12 1-1.5	EPA 5035/5030B	263747	EPA 8260	263750
40154392013	SB-40 4-5	EPA 5035/5030B	263759	EPA 8260	263765
40154392014	SB-41 1-1.5	EPA 5035/5030B	263759	EPA 8260	263765
40154392001	SB-47-S	EPA 8260	263706		
40154392002	SB-45-S	EPA 8260	263706		
40154392003	SB-46-S	EPA 8260	263706		
40154392004	SB-9-S	EPA 8260	263541		
40154392005	SB-41-S	EPA 8260	263541		
40154392006	SB-12-S	EPA 8260	263541		
40154392007	SB-50 1-2	ASTM D2974-87	264490		
40154392008	SB-49 5-7	ASTM D2974-87	264490		
40154392009	SB-51 1-1.5	ASTM D2974-87	264490		
40154392010	SB-46 4-5	ASTM D2974-87	264490		
40154392011	SB-45 2-3	ASTM D2974-87	264490		
40154392012	SB-12 1-1.5	ASTM D2974-87	264490		
40154392013	SB-40 4-5	ASTM D2974-87	264490		
40154392014	SB-41 1-1.5	ASTM D2974-87	264490		

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(Please Print Clearly)



CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Maltranol G=NaOH
 H= Sodium Bisulfate Solution I= Sodium Thiosulfate J=Other

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

40154392

Company Name: **ERM**
 Branch/Location:
 Project Contact:
 Phone:
 Project Number:
 Project Name:
 Project State: **Wisconsin**
 Sampled By (Print): **Stew**
 Sampled By (Sign):
 PO #:
 Regulatory Program:

Data Package Options
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air
 B = Bioa
 C = Charcoal
 O = Oil
 S = Soil
 SI = Sludge
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WW = Waste Water
 WP = Wipe

DATE	TIME	MATRIX	Analyses Requested	V/N	Pick Letter
8/1/20	14:20	S	SVOCS	X	B
			VOCs	X	
			metals	X	
			PCBS	X	

CLIENT COMMENTS
 I-40154392 14020A 2-402020A

LAB COMMENTS
 (Lab Use Only) Profile #

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address:
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:

PACE Project No.
 40154392

Receipt Temp = **ROT**

Sample Receipt pH **OR** / Adjusted
 Certify Custody Seal Present / Not Present Intact / Not Intact

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:
 Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:

Relinquished By: **Phyllis** Date/Time: **8/2 1:20**
 Relinquished By: **Phyllis** Date/Time: **8/3/20 09:35**
 Relinquished By: **Phyllis** Date/Time: **8/3/20 09:35**
 Relinquished By: **Phyllis** Date/Time: **8/3/20 09:35**

Received By: **Phyllis** Date/Time: **8/2 1:20**
 Received By: **Phyllis** Date/Time: **8/3/20 09:35**
 Received By: **Phyllis** Date/Time: **8/3/20 09:35**
 Received By: **Phyllis** Date/Time: **8/3/20 09:35**

Sample Condition Upon Receipt

Pace Analytical Services, LLC - Green Bay WI
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical™

Client Name: ERM

Project #: **WO# : 40154392**

Courier: Fed Ex UPS Client Pace Other: CS Requester



Tracking #: 746 080117

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used: N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature: Uncorr: ROE /Corr: _____ Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Person examining contents:

Date: 8-3-17

Initials: SKW

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Comments:

Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. Original and a copy	8-3-17 SKW
Chain of Custody Filled Out: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler Name & Signature on COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4. 1st page only	8-3-17 SKW
Samples Arrived within Hold Time: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
- VOA Samples frozen upon receipt <input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:	
Short Hold Time Analysis (<72hr): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
Rush Turn Around Time Requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Sufficient Volume: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8. NO MS/MSD volume	8-3-17 SKW
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
-Pace IR Containers Used: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Containers Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.	
Filtered volume received for Dissolved tests <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Sample Labels match COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12. O14 covered tare weight by client	8-3-17 KRC
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input checked="" type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct	
All containers needing preservation are found to be in compliance with ERA recommendation. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	004 - HNO3 PH 5 added 2 SDMB	
(HNO3, H2SO4, NaOH+ZnAct ≥9, NaOH ≥12) exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	HNO3. PH 5.2 after	8-3-17 SKW
Initial when completed: <u>SKW</u>	Lab Std #ID of preservative: <u>170543</u>	Date/Time: <u>8-3-17 1050</u>
Headspace in VOA Vials (>6mm): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.	
Trip Blank Present: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.	
Trip Blank Custody Seals Present <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: AL for DM

Date: 8-3-17

August 22, 2017

Andrew DeWitt
ERM, Inc.
3352 128th Avenue
Holland, MI 49424

RE: Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

Dear Andrew DeWitt:

Enclosed are the analytical results for sample(s) received by the laboratory on August 03, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Carl Stay, ERM, Inc.
David deCourcy-Bower, ERM, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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SAMPLE SUMMARY

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40154369001	SB-2 1-1.5'	Solid	07/31/17 14:10	08/03/17 09:25
40154369002	SB-42 1-2'	Solid	07/31/17 15:00	08/03/17 09:25
40154369003	SB-4 3-4'	Solid	07/31/17 16:00	08/03/17 09:25
40154369004	SB-5 4-5'	Solid	07/31/17 17:00	08/03/17 09:25
40154369005	SB-6 3-4'	Solid	07/31/17 17:50	08/03/17 09:25
40154369006	SB-8 10-12'	Solid	08/01/17 09:05	08/03/17 09:25
40154369007	SB-7 10-12'	Solid	08/01/17 10:00	08/03/17 09:25
40154369008	SB-9 4-5'	Solid	08/01/17 10:50	08/03/17 09:25
40154369009	SB-39 3-4'	Solid	08/01/17 11:40	08/03/17 09:25
40154369010	SB-21 3-3.5'	Solid	07/31/17 14:50	08/03/17 09:25
40154369011	SB-24 3-4'	Solid	07/31/17 16:20	08/03/17 09:25
40154369012	SB-25 3-4'	Solid	07/31/17 17:15	08/03/17 09:25
40154369013	SB-43 3-4'	Solid	08/01/17 09:30	08/03/17 09:25
40154369014	SB-44 2-3'	Solid	08/01/17 10:35	08/03/17 09:25
40154369015	SB-48 1-2'	Solid	08/01/17 11:20	08/03/17 09:25
40154369016	SB-47 2-2.5'	Solid	08/01/17 12:30	08/03/17 09:25
40154369017	SB-20-S	Water	07/31/17 14:15	08/03/17 09:25
40154369018	SB-21-S	Water	07/31/17 15:00	08/03/17 09:25
40154369019	SB-42-S	Water	07/31/17 15:45	08/03/17 09:25
40154369020	SB-3-S	Water	07/31/17 16:30	08/03/17 09:25
40154369021	SB-5-S	Water	07/31/17 17:25	08/03/17 09:25
40154369022	SB-4-S	Water	07/31/17 18:00	08/03/17 09:25
40154369023	SB-24-S	Water	08/01/17 08:20	08/03/17 09:25
40154369024	SB-25-S	Water	08/01/17 09:10	08/03/17 09:25
40154369025	SB-8-S	Water	08/01/17 10:00	08/03/17 09:25
40154369026	SB-43-S	Water	08/01/17 10:45	08/03/17 09:25
40154369027	SB-44-S	Water	08/01/17 11:10	08/03/17 09:25
40154369028	SB-48-S	Water	08/01/17 11:40	08/03/17 09:25

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SAMPLE ANALYTE COUNT

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40154369001	SB-2 1-1.5'	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	HNW	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40154369002	SB-42 1-2'	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40154369003	SB-4 3-4'	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40154369004	SB-5 4-5'	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40154369005	SB-6 3-4'	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40154369006	SB-8 10-12'	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40154369007	SB-7 10-12'	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40154369008	SB-9 4-5'	EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40154369009	SB-39 3-4'	EPA 8082	BLM	10	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	LAP	64	PASI-G

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SAMPLE ANALYTE COUNT

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40154369010	SB-21 3-3.5'	ASTM D2974-87	SKW	1	PASI-G
		EPA 8082	BDS	10	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
40154369011	SB-24 3-4'	EPA 8260	HNW	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
		EPA 8082	BDS	10	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7471	AJT	1	PASI-G
40154369012	SB-25 3-4'	EPA 8270	RJN	70	PASI-G
		EPA 8260	HNW	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
		EPA 8082	BDS	10	PASI-G
		EPA 6010	DLB	7	PASI-G
40154369013	SB-43 3-4'	EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	HNW	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
		EPA 6010	DLB	1	PASI-G
40154369014	SB-44 2-3'	EPA 8270 by SIM	ARO	20	PASI-G
		EPA 8260	HNW	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
40154369015	SB-48 1-2'	EPA 8260	HNW	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
		EPA 8082	BLM	10	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7471	AJT	1	PASI-G
40154369016	SB-47 2-2.5'	EPA 8270	RJN	70	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7471	AJT	1	PASI-G

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SAMPLE ANALYTE COUNT

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40154369017	SB-20-S	EPA 8260	HNW	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
40154369018	SB-21-S	EPA 8260	LAP	64	PASI-G
		EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	LAP	64	PASI-G
40154369019	SB-42-S	EPA 6010	DLB	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40154369020	SB-3-S	EPA 6010	DLB	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40154369021	SB-5-S	EPA 6010	DLB	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40154369022	SB-4-S	EPA 6010	DLB	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40154369023	SB-24-S	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	LAP	64	PASI-G
		EPA 6010	DLB	7	PASI-G
40154369024	SB-25-S	EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	LAP	64	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
40154369025	SB-8-S	EPA 8260	LAP	64	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
40154369026	SB-43-S	EPA 8260	LAP	64	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
40154369027	SB-44-S	EPA 8260	LAP	64	PASI-G
		EPA 6010	DLB	1	PASI-G

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SAMPLE ANALYTE COUNT

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40154369028	SB-48-S	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	LAP	64	PASI-G

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40154369001	SB-2 1-1.5'					
EPA 6010	Lead	37.6	mg/kg	1.5	08/09/17 17:19	
EPA 8270 by SIM	Benzo(a)anthracene	27.5	ug/kg	13.0	08/11/17 14:01	
EPA 8270 by SIM	Benzo(a)pyrene	30.1	ug/kg	10.2	08/11/17 14:01	
EPA 8270 by SIM	Benzo(b)fluoranthene	41.9	ug/kg	11.5	08/11/17 14:01	
EPA 8270 by SIM	Benzo(g,h,i)perylene	24.5	ug/kg	8.3	08/11/17 14:01	
EPA 8270 by SIM	Benzo(k)fluoranthene	18.5	ug/kg	10.2	08/11/17 14:01	
EPA 8270 by SIM	Chrysene	35.5	ug/kg	13.7	08/11/17 14:01	
EPA 8270 by SIM	Dibenz(a,h)anthracene	6.3J	ug/kg	9.1	08/11/17 14:01	
EPA 8270 by SIM	Fluoranthene	50.9	ug/kg	21.3	08/11/17 14:01	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	19.4	ug/kg	9.0	08/11/17 14:01	
EPA 8270 by SIM	Phenanthrene	18.8J	ug/kg	47.5	08/11/17 14:01	
EPA 8270 by SIM	Pyrene	40.9	ug/kg	18.3	08/11/17 14:01	
ASTM D2974-87	Percent Moisture	18.3	%	0.10	08/14/17 10:57	
40154369002	SB-42 1-2'					
EPA 6010	Lead	32.0	mg/kg	9.4	08/10/17 10:46	
EPA 8270 by SIM	Acenaphthene	759	ug/kg	425	08/11/17 20:38	
EPA 8270 by SIM	Anthracene	1560	ug/kg	627	08/11/17 20:38	
EPA 8270 by SIM	Benzo(a)anthracene	3390	ug/kg	350	08/11/17 20:38	
EPA 8270 by SIM	Benzo(a)pyrene	3140	ug/kg	276	08/11/17 20:38	
EPA 8270 by SIM	Benzo(b)fluoranthene	4400	ug/kg	310	08/11/17 20:38	
EPA 8270 by SIM	Benzo(g,h,i)perylene	1990	ug/kg	223	08/11/17 20:38	
EPA 8270 by SIM	Benzo(k)fluoranthene	1800	ug/kg	276	08/11/17 20:38	
EPA 8270 by SIM	Chrysene	4170	ug/kg	369	08/11/17 20:38	
EPA 8270 by SIM	Dibenz(a,h)anthracene	534	ug/kg	246	08/11/17 20:38	
EPA 8270 by SIM	Fluoranthene	9930	ug/kg	574	08/11/17 20:38	
EPA 8270 by SIM	Fluorene	643	ug/kg	455	08/11/17 20:38	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	1750	ug/kg	242	08/11/17 20:38	
EPA 8270 by SIM	1-Methylnaphthalene	137J	ug/kg	442	08/11/17 20:38	
EPA 8270 by SIM	Phenanthrene	8080	ug/kg	1280	08/11/17 20:38	
EPA 8270 by SIM	Pyrene	6960	ug/kg	495	08/11/17 20:38	
ASTM D2974-87	Percent Moisture	39.4	%	0.10	08/14/17 10:57	
40154369003	SB-4 3-4'					
EPA 6010	Lead	14.0	mg/kg	1.7	08/09/17 17:24	
EPA 8270 by SIM	Benzo(a)anthracene	13.2J	ug/kg	14.2	08/11/17 13:44	
EPA 8270 by SIM	Benzo(a)pyrene	13.5	ug/kg	11.2	08/11/17 13:44	
EPA 8270 by SIM	Benzo(b)fluoranthene	19.0	ug/kg	12.6	08/11/17 13:44	
EPA 8270 by SIM	Benzo(g,h,i)perylene	10.7	ug/kg	9.1	08/11/17 13:44	
EPA 8270 by SIM	Benzo(k)fluoranthene	9.0J	ug/kg	11.2	08/11/17 13:44	
EPA 8270 by SIM	Chrysene	16.9	ug/kg	15.0	08/11/17 13:44	
EPA 8270 by SIM	Dibenz(a,h)anthracene	3.3J	ug/kg	10	08/11/17 13:44	
EPA 8270 by SIM	Fluoranthene	28.5	ug/kg	23.3	08/11/17 13:44	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	7.3J	ug/kg	9.8	08/11/17 13:44	
EPA 8270 by SIM	Phenanthrene	17.5J	ug/kg	51.9	08/11/17 13:44	
EPA 8270 by SIM	Pyrene	20.8	ug/kg	20.1	08/11/17 13:44	
ASTM D2974-87	Percent Moisture	25.3	%	0.10	08/14/17 10:57	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40154369004	SB-5 4-5'					
EPA 6010	Lead	4.1	mg/kg	1.4	08/09/17 17:26	
EPA 8270 by SIM	Benzo(a)anthracene	39.5J	ug/kg	125	08/15/17 18:28	
EPA 8270 by SIM	Chrysene	43.4J	ug/kg	132	08/15/17 18:28	
EPA 8270 by SIM	Fluoranthene	110J	ug/kg	205	08/15/17 18:28	
EPA 8270 by SIM	Fluorene	50.6J	ug/kg	163	08/15/17 18:28	
EPA 8270 by SIM	1-Methylnaphthalene	251	ug/kg	158	08/15/17 18:28	
EPA 8270 by SIM	2-Methylnaphthalene	472	ug/kg	197	08/15/17 18:28	M1
EPA 8270 by SIM	Naphthalene	2250	ug/kg	332	08/15/17 18:28	M1, R1
EPA 8270 by SIM	Phenanthrene	150J	ug/kg	458	08/15/17 18:28	
EPA 8270 by SIM	Pyrene	94.4J	ug/kg	177	08/15/17 18:28	
EPA 8260	n-Butylbenzene	17900	ug/kg	1420	08/05/17 00:43	
EPA 8260	sec-Butylbenzene	9340	ug/kg	1420	08/05/17 00:43	
EPA 8260	Isopropylbenzene (Cumene)	2760	ug/kg	1420	08/05/17 00:43	
EPA 8260	p-Isopropyltoluene	9460	ug/kg	1420	08/05/17 00:43	
EPA 8260	Naphthalene	6220	ug/kg	5910	08/05/17 00:43	
EPA 8260	n-Propylbenzene	9010	ug/kg	1420	08/05/17 00:43	
EPA 8260	1,2,4-Trimethylbenzene	11400	ug/kg	1420	08/05/17 00:43	
EPA 8260	1,3,5-Trimethylbenzene	24900	ug/kg	1420	08/05/17 00:43	
ASTM D2974-87	Percent Moisture	15.4	%	0.10	08/14/17 10:58	
40154369005	SB-6 3-4'					
EPA 6010	Lead	5.6	mg/kg	1.7	08/09/17 17:28	
EPA 8270 by SIM	1-Methylnaphthalene	26.0	ug/kg	17.8	08/11/17 14:20	
EPA 8270 by SIM	2-Methylnaphthalene	64.7	ug/kg	22.2	08/11/17 14:20	
EPA 8270 by SIM	Naphthalene	75.7	ug/kg	37.3	08/11/17 14:20	
EPA 8260	Methylene Chloride	34.6J	ug/kg	79.7	08/07/17 15:02	
EPA 8260	Naphthalene	80.3J	ug/kg	332	08/07/17 15:02	
EPA 8260	1,2,4-Trimethylbenzene	224	ug/kg	79.7	08/07/17 15:02	
ASTM D2974-87	Percent Moisture	24.8	%	0.10	08/14/17 10:58	
40154369006	SB-8 10-12'					
EPA 6010	Lead	11.0	mg/kg	2.0	08/09/17 17:31	
EPA 8270 by SIM	1-Methylnaphthalene	6.9J	ug/kg	20.7	08/14/17 17:03	
EPA 8260	sec-Butylbenzene	161	ug/kg	92.6	08/08/17 08:08	
EPA 8260	Isopropylbenzene (Cumene)	63.5J	ug/kg	92.6	08/08/17 08:08	
EPA 8260	n-Propylbenzene	322	ug/kg	92.6	08/08/17 08:08	
EPA 8260	1,2,4-Trimethylbenzene	122	ug/kg	92.6	08/08/17 08:08	
EPA 8260	1,3,5-Trimethylbenzene	561	ug/kg	92.6	08/08/17 08:08	
ASTM D2974-87	Percent Moisture	35.2	%	0.10	08/14/17 10:58	
40154369007	SB-7 10-12'					
EPA 6010	Lead	10.3	mg/kg	1.7	08/09/17 17:33	
EPA 8270 by SIM	Fluorene	10.1J	ug/kg	17.8	08/11/17 14:38	
EPA 8270 by SIM	1-Methylnaphthalene	86.7	ug/kg	17.3	08/11/17 14:38	
EPA 8270 by SIM	2-Methylnaphthalene	187	ug/kg	21.5	08/11/17 14:38	
EPA 8270 by SIM	Naphthalene	570	ug/kg	36.2	08/11/17 14:38	
EPA 8260	Benzene	312	ug/kg	155	08/05/17 01:06	
EPA 8260	n-Butylbenzene	1730	ug/kg	155	08/05/17 01:06	
EPA 8260	sec-Butylbenzene	256	ug/kg	155	08/05/17 01:06	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40154369007	SB-7 10-12'					
EPA 8260	Ethylbenzene	18800	ug/kg	155	08/05/17 01:06	
EPA 8260	Isopropylbenzene (Cumene)	1470	ug/kg	155	08/05/17 01:06	
EPA 8260	p-Isopropyltoluene	231	ug/kg	155	08/05/17 01:06	
EPA 8260	Naphthalene	3500	ug/kg	646	08/05/17 01:06	
EPA 8260	n-Propylbenzene	4560	ug/kg	155	08/05/17 01:06	
EPA 8260	Toluene	72.4J	ug/kg	155	08/05/17 01:06	
EPA 8260	1,2,4-Trimethylbenzene	23600	ug/kg	155	08/05/17 01:06	
EPA 8260	1,3,5-Trimethylbenzene	6370	ug/kg	155	08/05/17 01:06	
EPA 8260	m&p-Xylene	38700	ug/kg	310	08/05/17 01:06	
EPA 8260	o-Xylene	178	ug/kg	155	08/05/17 01:06	
ASTM D2974-87	Percent Moisture	22.6	%	0.10	08/14/17 10:58	
40154369008	SB-9 4-5'					
EPA 6010	Lead	6.5	mg/kg	1.5	08/09/17 17:40	
EPA 8270 by SIM	Acenaphthene	169	ug/kg	147	08/21/17 16:06	
EPA 8270 by SIM	Acenaphthylene	79.1J	ug/kg	125	08/21/17 16:06	
EPA 8270 by SIM	Benzo(a)anthracene	52.6J	ug/kg	121	08/21/17 16:06	
EPA 8270 by SIM	Benzo(a)pyrene	35.2J	ug/kg	95.3	08/21/17 16:06	
EPA 8270 by SIM	Benzo(b)fluoranthene	41.5J	ug/kg	107	08/21/17 16:06	
EPA 8270 by SIM	Chrysene	58.6J	ug/kg	127	08/21/17 16:06	
EPA 8270 by SIM	Fluoranthene	84.6J	ug/kg	198	08/21/17 16:06	
EPA 8270 by SIM	Fluorene	206	ug/kg	157	08/21/17 16:06	
EPA 8270 by SIM	1-Methylnaphthalene	3300	ug/kg	153	08/21/17 16:06	
EPA 8270 by SIM	2-Methylnaphthalene	4160	ug/kg	190	08/21/17 16:06	
EPA 8270 by SIM	Naphthalene	1960	ug/kg	320	08/21/17 16:06	
EPA 8270 by SIM	Phenanthrene	617	ug/kg	442	08/21/17 16:06	
EPA 8270 by SIM	Pyrene	78.1J	ug/kg	171	08/21/17 16:06	
EPA 8260	n-Butylbenzene	7190	ug/kg	547	08/07/17 12:44	
EPA 8260	sec-Butylbenzene	5270	ug/kg	547	08/07/17 12:44	
EPA 8260	tert-Butylbenzene	469J	ug/kg	547	08/07/17 12:44	
EPA 8260	Isopropylbenzene (Cumene)	927	ug/kg	547	08/07/17 12:44	
EPA 8260	p-Isopropyltoluene	1810	ug/kg	547	08/07/17 12:44	
EPA 8260	Naphthalene	3180	ug/kg	2280	08/07/17 12:44	
EPA 8260	n-Propylbenzene	3420	ug/kg	547	08/07/17 12:44	
EPA 8260	1,3,5-Trimethylbenzene	855	ug/kg	547	08/07/17 12:44	
ASTM D2974-87	Percent Moisture	12.2	%	0.10	08/14/17 10:58	
40154369009	SB-39 3-4'					
EPA 6010	Arsenic	14.4	mg/kg	7.3	08/09/17 10:42	
EPA 6010	Barium	244	mg/kg	0.73	08/09/17 10:42	
EPA 6010	Cadmium	1.5	mg/kg	0.73	08/09/17 10:42	
EPA 6010	Chromium	39.7	mg/kg	1.5	08/09/17 10:42	
EPA 6010	Lead	231	mg/kg	1.9	08/09/17 10:42	
EPA 6010	Silver	9.8	mg/kg	1.5	08/09/17 10:42	
EPA 7471	Mercury	3.6	mg/kg	0.53	08/15/17 13:26	
EPA 8270	Anthracene	47.3J	ug/kg	134	08/08/17 15:55	
EPA 8270	Benzo(a)anthracene	120J	ug/kg	130	08/08/17 15:55	
EPA 8270	Benzo(a)pyrene	158	ug/kg	126	08/08/17 15:55	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40154369009	SB-39 3-4'					
EPA 8270	Benzo(b)fluoranthene	191	ug/kg	144	08/08/17 15:55	
EPA 8270	Benzo(g,h,i)perylene	231	ug/kg	220	08/08/17 15:55	
EPA 8270	Benzo(k)fluoranthene	72.6J	ug/kg	201	08/08/17 15:55	
EPA 8270	Chrysene	152	ug/kg	125	08/08/17 15:55	
EPA 8270	Fluoranthene	250	ug/kg	119	08/08/17 15:55	
EPA 8270	Indeno(1,2,3-cd)pyrene	210	ug/kg	182	08/08/17 15:55	
EPA 8270	Phenanthrene	161	ug/kg	108	08/08/17 15:55	
EPA 8270	Pyrene	258	ug/kg	186	08/08/17 15:55	
ASTM D2974-87	Percent Moisture	33.7	%	0.10	08/14/17 10:58	
40154369010	SB-21 3-3.5'					
EPA 6010	Arsenic	18.1	mg/kg	10.8	08/09/17 12:07	
EPA 6010	Barium	108	mg/kg	0.54	08/09/17 10:44	
EPA 6010	Cadmium	0.88J	mg/kg	1.1	08/09/17 12:07	D3
EPA 6010	Chromium	12.2	mg/kg	1.1	08/09/17 10:44	
EPA 6010	Lead	27.5	mg/kg	2.8	08/09/17 12:07	
EPA 6010	Silver	0.47J	mg/kg	1.1	08/09/17 10:44	
EPA 7471	Mercury	0.067	mg/kg	0.040	08/15/17 11:46	
EPA 8270	Chrysene	35.4J	ug/kg	93.3	08/08/17 16:17	
EPA 8270	Fluoranthene	55.6J	ug/kg	88.3	08/08/17 16:17	
EPA 8270	Phenanthrene	146	ug/kg	80.1	08/08/17 16:17	
EPA 8260	Tetrachloroethene	64.7J	ug/kg	67.3	08/07/17 13:44	
ASTM D2974-87	Percent Moisture	10.8	%	0.10	08/14/17 10:58	
40154369011	SB-24 3-4'					
EPA 6010	Arsenic	6.8	mg/kg	5.6	08/09/17 10:51	
EPA 6010	Barium	67.5	mg/kg	0.56	08/09/17 10:51	
EPA 6010	Cadmium	0.33J	mg/kg	0.56	08/09/17 10:51	
EPA 6010	Chromium	17.5	mg/kg	1.1	08/09/17 10:51	
EPA 6010	Lead	33.2	mg/kg	1.5	08/09/17 10:51	
EPA 7471	Mercury	0.022J	mg/kg	0.037	08/15/17 11:48	
EPA 8270	2-Methylnaphthalene	314	ug/kg	163	08/08/17 17:00	
EPA 8270	Acenaphthene	109J	ug/kg	222	08/08/17 17:00	
EPA 8270	Anthracene	272	ug/kg	100	08/08/17 17:00	
EPA 8270	Benzo(a)anthracene	561	ug/kg	96.9	08/08/17 17:00	
EPA 8270	Benzo(a)pyrene	528	ug/kg	94.2	08/08/17 17:00	
EPA 8270	Benzo(b)fluoranthene	655	ug/kg	108	08/08/17 17:00	
EPA 8270	Benzo(g,h,i)perylene	348	ug/kg	164	08/08/17 17:00	
EPA 8270	Benzo(k)fluoranthene	229	ug/kg	150	08/08/17 17:00	
EPA 8270	Carbazole	124	ug/kg	98.0	08/08/17 17:00	
EPA 8270	Chrysene	578	ug/kg	93.6	08/08/17 17:00	
EPA 8270	Dibenz(a,h)anthracene	97.6J	ug/kg	170	08/08/17 17:00	
EPA 8270	Dibenzofuran	113	ug/kg	75.8	08/08/17 17:00	
EPA 8270	Fluoranthene	1240	ug/kg	88.6	08/08/17 17:00	
EPA 8270	Fluorene	120	ug/kg	73.2	08/08/17 17:00	
EPA 8270	Indeno(1,2,3-cd)pyrene	388	ug/kg	135	08/08/17 17:00	
EPA 8270	Naphthalene	269	ug/kg	219	08/08/17 17:00	
EPA 8270	Phenanthrene	990	ug/kg	80.3	08/08/17 17:00	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40154369011	SB-24 3-4'					
EPA 8270	Pyrene	1070	ug/kg	139	08/08/17 17:00	
EPA 8260	Naphthalene	164J	ug/kg	281	08/07/17 14:07	
ASTM D2974-87	Percent Moisture	11.2	%	0.10	08/14/17 10:58	
40154369012	SB-25 3-4'					
EPA 6010	Arsenic	10.6J	mg/kg	11.2	08/09/17 12:09	D3
EPA 6010	Barium	55.2	mg/kg	0.56	08/09/17 10:54	
EPA 6010	Chromium	12.4	mg/kg	1.1	08/09/17 10:54	
EPA 6010	Lead	181	mg/kg	2.9	08/09/17 12:09	
EPA 6010	Silver	0.40J	mg/kg	1.1	08/09/17 10:54	
EPA 7471	Mercury	0.018J	mg/kg	0.042	08/15/17 11:50	
EPA 8270	2-Methylnaphthalene	575J	ug/kg	1790	08/08/17 15:34	
EPA 8270	Acenaphthene	1690J	ug/kg	2440	08/08/17 15:34	
EPA 8270	Anthracene	4420	ug/kg	1100	08/08/17 15:34	
EPA 8270	Benzo(a)anthracene	5260	ug/kg	1070	08/08/17 15:34	
EPA 8270	Benzo(a)pyrene	3960	ug/kg	1040	08/08/17 15:34	
EPA 8270	Benzo(b)fluoranthene	5310	ug/kg	1180	08/08/17 15:34	
EPA 8270	Benzo(g,h,i)perylene	2260	ug/kg	1800	08/08/17 15:34	
EPA 8270	Benzo(k)fluoranthene	1910	ug/kg	1650	08/08/17 15:34	
EPA 8270	Carbazole	2060	ug/kg	1080	08/08/17 15:34	
EPA 8270	Chrysene	5510	ug/kg	1030	08/08/17 15:34	
EPA 8270	Dibenz(a,h)anthracene	631J	ug/kg	1870	08/08/17 15:34	
EPA 8270	Dibenzofuran	1260	ug/kg	834	08/08/17 15:34	
EPA 8270	Fluoranthene	14400	ug/kg	975	08/08/17 15:34	
EPA 8270	Fluorene	2210	ug/kg	805	08/08/17 15:34	
EPA 8270	Indeno(1,2,3-cd)pyrene	2700	ug/kg	1490	08/08/17 15:34	
EPA 8270	Phenanthrene	15900	ug/kg	884	08/08/17 15:34	
EPA 8270	Pyrene	10700	ug/kg	1530	08/08/17 15:34	
EPA 8260	Naphthalene	71.2J	ug/kg	309	08/07/17 14:30	
EPA 8260	Toluene	61.7J	ug/kg	74.2	08/07/17 14:30	
EPA 8260	o-Xylene	40.7J	ug/kg	74.2	08/07/17 14:30	
ASTM D2974-87	Percent Moisture	19.1	%	0.10	08/14/17 10:58	
40154369013	SB-43 3-4'					
EPA 6010	Lead	10	mg/kg	1.5	08/09/17 17:42	
ASTM D2974-87	Percent Moisture	21.9	%	0.10	08/14/17 10:58	
40154369014	SB-44 2-3'					
EPA 6010	Lead	29.9	mg/kg	1.3	08/09/17 17:44	
EPA 8270 by SIM	Acenaphthene	13.3J	ug/kg	14.4	08/15/17 16:45	
EPA 8270 by SIM	Acenaphthylene	4.5J	ug/kg	12.3	08/15/17 16:45	
EPA 8270 by SIM	Anthracene	25.8	ug/kg	21.3	08/15/17 16:45	
EPA 8270 by SIM	Benzo(a)anthracene	48.6	ug/kg	11.9	08/15/17 16:45	
EPA 8270 by SIM	Benzo(a)pyrene	66.7	ug/kg	9.4	08/15/17 16:45	
EPA 8270 by SIM	Benzo(b)fluoranthene	59.0	ug/kg	10.5	08/15/17 16:45	
EPA 8270 by SIM	Benzo(g,h,i)perylene	72.9	ug/kg	7.6	08/15/17 16:45	
EPA 8270 by SIM	Benzo(k)fluoranthene	58.8	ug/kg	9.4	08/15/17 16:45	
EPA 8270 by SIM	Chrysene	61.6	ug/kg	12.5	08/15/17 16:45	
EPA 8270 by SIM	Dibenz(a,h)anthracene	19.6	ug/kg	8.3	08/15/17 16:45	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40154369014	SB-44 2-3'					
EPA 8270 by SIM	Fluoranthene	130	ug/kg	19.5	08/15/17 16:45	
EPA 8270 by SIM	Fluorene	11.8J	ug/kg	15.4	08/15/17 16:45	
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	53.7	ug/kg	8.2	08/15/17 16:45	
EPA 8270 by SIM	1-Methylnaphthalene	8.7J	ug/kg	15.0	08/15/17 16:45	
EPA 8270 by SIM	2-Methylnaphthalene	17.6J	ug/kg	18.7	08/15/17 16:45	
EPA 8270 by SIM	Naphthalene	47.0	ug/kg	31.4	08/15/17 16:45	
EPA 8270 by SIM	Phenanthrene	83.7	ug/kg	43.4	08/15/17 16:45	
EPA 8270 by SIM	Pyrene	108	ug/kg	16.8	08/15/17 16:45	
EPA 8260	Naphthalene	304	ug/kg	280	08/07/17 15:15	
EPA 8260	1,2,4-Trimethylbenzene	29.1J	ug/kg	67.1	08/07/17 15:15	
ASTM D2974-87	Percent Moisture	10.6	%	0.10	08/14/17 10:58	
40154369015	SB-48 1-2'					
EPA 6010	Arsenic	6.0	mg/kg	5.7	08/09/17 10:56	
EPA 6010	Barium	172	mg/kg	0.57	08/09/17 10:56	
EPA 6010	Chromium	23.1	mg/kg	1.1	08/09/17 10:56	
EPA 6010	Lead	11.0	mg/kg	1.5	08/09/17 10:56	
EPA 7471	Mercury	0.029J	mg/kg	0.044	08/15/17 11:53	
ASTM D2974-87	Percent Moisture	19.8	%	0.10	08/14/17 10:58	
40154369016	SB-47 2-2.5'					
EPA 6010	Arsenic	7.4	mg/kg	5.6	08/09/17 10:59	
EPA 6010	Barium	4200	mg/kg	5.6	08/09/17 17:47	
EPA 6010	Cadmium	0.64	mg/kg	0.56	08/09/17 10:59	
EPA 6010	Chromium	15.3	mg/kg	1.1	08/09/17 10:59	
EPA 6010	Lead	93.2	mg/kg	1.4	08/09/17 10:59	
EPA 7471	Mercury	0.044J	mg/kg	0.046	08/15/17 11:55	
EPA 8270	3&4-Methylphenol(m&p Cresol)	48.0J	ug/kg	128	08/08/17 17:22	
EPA 8270	Benzo(a)anthracene	51.1J	ug/kg	108	08/08/17 17:22	
EPA 8270	Benzo(a)pyrene	55.7J	ug/kg	105	08/08/17 17:22	
EPA 8270	Benzo(b)fluoranthene	69.9J	ug/kg	120	08/08/17 17:22	
EPA 8270	Benzo(g,h,i)perylene	87.9J	ug/kg	183	08/08/17 17:22	
EPA 8270	Chrysene	65.4J	ug/kg	105	08/08/17 17:22	
EPA 8270	Fluoranthene	77.3J	ug/kg	99.0	08/08/17 17:22	
EPA 8270	Indeno(1,2,3-cd)pyrene	45.6J	ug/kg	151	08/08/17 17:22	
EPA 8270	Phenanthrene	51.0J	ug/kg	89.7	08/08/17 17:22	
EPA 8270	Pyrene	85.3J	ug/kg	155	08/08/17 17:22	
EPA 8270	bis(2-Ethylhexyl)phthalate	467	ug/kg	116	08/08/17 17:22	
ASTM D2974-87	Percent Moisture	20.4	%	0.10	08/14/17 10:58	
40154369017	SB-20-S					
EPA 6010	Arsenic	11.3J	ug/L	25.0	08/08/17 15:43	
EPA 6010	Barium	164	ug/L	5.0	08/08/17 15:43	
EPA 6010	Chromium	6.8J	ug/L	10.0	08/08/17 15:43	
40154369018	SB-21-S					
EPA 6010	Arsenic	21.4J	ug/L	25.0	08/08/17 15:50	
EPA 6010	Barium	226	ug/L	5.0	08/08/17 15:50	
EPA 6010	Cadmium	2.6J	ug/L	5.0	08/08/17 15:50	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40154369018	SB-21-S					
EPA 6010	Chromium	40.5	ug/L	10.0	08/08/17 15:50	
EPA 6010	Lead	50.8	ug/L	13.0	08/08/17 15:50	
EPA 8260	cis-1,2-Dichloroethene	0.47J	ug/L	1.0	08/08/17 13:14	
40154369019	SB-42-S					
EPA 8270 by HVI	Acenaphthene	0.0069J	ug/L	0.027	08/04/17 20:47	
EPA 8270 by HVI	Acenaphthylene	0.0066J	ug/L	0.022	08/04/17 20:47	
EPA 8270 by HVI	Benzo(b)fluoranthene	0.013J	ug/L	0.026	08/04/17 20:47	
EPA 8270 by HVI	Benzo(g,h,i)perylene	0.0097J	ug/L	0.031	08/04/17 20:47	
EPA 8270 by HVI	Benzo(k)fluoranthene	0.015J	ug/L	0.034	08/04/17 20:47	
EPA 8270 by HVI	Chrysene	0.030J	ug/L	0.059	08/04/17 20:47	
EPA 8270 by HVI	Fluoranthene	0.031J	ug/L	0.048	08/04/17 20:47	
EPA 8270 by HVI	Fluorene	0.012J	ug/L	0.036	08/04/17 20:47	
EPA 8270 by HVI	1-Methylnaphthalene	0.032	ug/L	0.027	08/04/17 20:47	
EPA 8270 by HVI	2-Methylnaphthalene	0.046	ug/L	0.022	08/04/17 20:47	
EPA 8270 by HVI	Naphthalene	0.042J	ug/L	0.083	08/04/17 20:47	
EPA 8270 by HVI	Phenanthrene	0.034J	ug/L	0.062	08/04/17 20:47	
EPA 8270 by HVI	Pyrene	0.043	ug/L	0.034	08/04/17 20:47	B
40154369020	SB-3-S					
EPA 6010	Lead	370	ug/L	13.0	08/08/17 15:55	
EPA 8270 by HVI	Acenaphthene	0.50J	ug/L	0.70	08/04/17 18:53	
EPA 8270 by HVI	Acenaphthylene	0.12J	ug/L	0.58	08/04/17 18:53	
EPA 8270 by HVI	Fluoranthene	0.61J	ug/L	1.2	08/04/17 18:53	
EPA 8270 by HVI	Fluorene	0.55J	ug/L	0.92	08/04/17 18:53	
EPA 8270 by HVI	1-Methylnaphthalene	34.7	ug/L	0.68	08/04/17 18:53	
EPA 8270 by HVI	2-Methylnaphthalene	83.0	ug/L	0.57	08/04/17 18:53	
EPA 8270 by HVI	Naphthalene	182	ug/L	2.1	08/04/17 18:53	
EPA 8270 by HVI	Phenanthrene	0.83J	ug/L	1.6	08/04/17 18:53	
EPA 8270 by HVI	Pyrene	0.75J	ug/L	0.89	08/04/17 18:53	B
EPA 8260	Benzene	197	ug/L	5.0	08/09/17 02:10	
EPA 8260	n-Butylbenzene	81.4	ug/L	5.0	08/09/17 02:10	
EPA 8260	sec-Butylbenzene	20.9J	ug/L	25.0	08/09/17 02:10	
EPA 8260	Ethylbenzene	357	ug/L	5.0	08/09/17 02:10	
EPA 8260	Isopropylbenzene (Cumene)	61.2	ug/L	5.0	08/09/17 02:10	
EPA 8260	Naphthalene	780	ug/L	25.0	08/09/17 02:10	
EPA 8260	n-Propylbenzene	167	ug/L	5.0	08/09/17 02:10	
EPA 8260	Toluene	54.0	ug/L	5.0	08/09/17 02:10	
EPA 8260	1,2,4-Trimethylbenzene	440	ug/L	5.0	08/09/17 02:10	
EPA 8260	1,3,5-Trimethylbenzene	150	ug/L	5.0	08/09/17 02:10	
EPA 8260	m&p-Xylene	1150	ug/L	10.0	08/09/17 02:10	
EPA 8260	o-Xylene	181	ug/L	5.0	08/09/17 02:10	
40154369021	SB-5-S					
EPA 6010	Lead	29.8	ug/L	13.0	08/08/17 16:02	
EPA 8270 by HVI	Acenaphthene	0.36	ug/L	0.27	08/04/17 19:09	
EPA 8270 by HVI	Acenaphthylene	0.091J	ug/L	0.22	08/04/17 19:09	
EPA 8270 by HVI	Benzo(a)anthracene	0.13J	ug/L	0.34	08/04/17 19:09	
EPA 8270 by HVI	Benzo(a)pyrene	0.40J	ug/L	0.47	08/04/17 19:09	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40154369021	SB-5-S					
EPA 8270 by HVI	Benzo(b)fluoranthene	0.41	ug/L	0.26	08/04/17 19:09	
EPA 8270 by HVI	Benzo(g,h,i)perylene	0.22J	ug/L	0.31	08/04/17 19:09	
EPA 8270 by HVI	Benzo(k)fluoranthene	0.40	ug/L	0.34	08/04/17 19:09	
EPA 8270 by HVI	Chrysene	1.0	ug/L	0.59	08/04/17 19:09	
EPA 8270 by HVI	Fluoranthene	2.1	ug/L	0.48	08/04/17 19:09	
EPA 8270 by HVI	Fluorene	0.78	ug/L	0.36	08/04/17 19:09	
EPA 8270 by HVI	1-Methylnaphthalene	5.5	ug/L	0.27	08/04/17 19:09	
EPA 8270 by HVI	2-Methylnaphthalene	9.5	ug/L	0.22	08/04/17 19:09	
EPA 8270 by HVI	Naphthalene	90.0	ug/L	0.83	08/04/17 19:09	
EPA 8270 by HVI	Phenanthrene	2.8	ug/L	0.62	08/04/17 19:09	
EPA 8270 by HVI	Pyrene	1.9	ug/L	0.34	08/04/17 19:09	
EPA 8260	n-Butylbenzene	69.7	ug/L	10.0	08/09/17 02:33	
EPA 8260	sec-Butylbenzene	47.5J	ug/L	50.0	08/09/17 02:33	
EPA 8260	tert-Butylbenzene	4.5J	ug/L	10.0	08/09/17 02:33	
EPA 8260	Ethylbenzene	23.8	ug/L	10.0	08/09/17 02:33	
EPA 8260	Isopropylbenzene (Cumene)	41.5	ug/L	10.0	08/09/17 02:33	
EPA 8260	Naphthalene	191	ug/L	50.0	08/09/17 02:33	
EPA 8260	n-Propylbenzene	112	ug/L	10.0	08/09/17 02:33	
EPA 8260	1,2,4-Trimethylbenzene	65.5	ug/L	10.0	08/09/17 02:33	
EPA 8260	1,3,5-Trimethylbenzene	126	ug/L	10.0	08/09/17 02:33	
EPA 8260	m&p-Xylene	12.0J	ug/L	20.0	08/09/17 02:33	
40154369022	SB-4-S					
EPA 6010	Lead	123	ug/L	13.0	08/08/17 16:04	
EPA 8270 by HVI	Acenaphthene	0.0074J	ug/L	0.028	08/04/17 21:03	
EPA 8270 by HVI	Acenaphthylene	0.0073J	ug/L	0.023	08/04/17 21:03	
EPA 8270 by HVI	Anthracene	0.012J	ug/L	0.048	08/04/17 21:03	
EPA 8270 by HVI	Benzo(a)anthracene	0.0070J	ug/L	0.034	08/04/17 21:03	
EPA 8270 by HVI	Benzo(a)pyrene	0.032J	ug/L	0.048	08/04/17 21:03	
EPA 8270 by HVI	Benzo(b)fluoranthene	0.045	ug/L	0.026	08/04/17 21:03	
EPA 8270 by HVI	Benzo(g,h,i)perylene	0.028J	ug/L	0.031	08/04/17 21:03	
EPA 8270 by HVI	Benzo(k)fluoranthene	0.033J	ug/L	0.034	08/04/17 21:03	
EPA 8270 by HVI	Chrysene	0.067	ug/L	0.059	08/04/17 21:03	
EPA 8270 by HVI	Fluoranthene	0.081	ug/L	0.048	08/04/17 21:03	
EPA 8270 by HVI	Indeno(1,2,3-cd)pyrene	0.026J	ug/L	0.080	08/04/17 21:03	
EPA 8270 by HVI	Phenanthrene	0.041J	ug/L	0.063	08/04/17 21:03	
EPA 8270 by HVI	Pyrene	0.090	ug/L	0.035	08/04/17 21:03	B
40154369023	SB-24-S					
EPA 6010	Arsenic	31.0	ug/L	25.0	08/08/17 16:07	
EPA 6010	Barium	490	ug/L	5.0	08/08/17 16:07	
EPA 6010	Chromium	108	ug/L	10.0	08/08/17 16:07	
EPA 6010	Lead	34.8	ug/L	13.0	08/08/17 16:07	
EPA 8260	Trichlorofluoromethane	0.27J	ug/L	1.0	08/08/17 14:22	
40154369024	SB-25-S					
EPA 6010	Arsenic	21.5J	ug/L	25.0	08/08/17 16:10	
EPA 6010	Barium	473	ug/L	5.0	08/08/17 16:10	
EPA 6010	Chromium	33.6	ug/L	10.0	08/08/17 16:10	

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SUMMARY OF DETECTION

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40154369024	SB-25-S					
EPA 6010	Lead	14.4	ug/L	13.0	08/08/17 16:10	
40154369025	SB-8-S					
EPA 6010	Lead	76.4	ug/L	13.0	08/08/17 16:12	
EPA 8270 by HVI	Acenaphthene	0.066J	ug/L	0.29	08/09/17 13:05	
EPA 8270 by HVI	1-Methylnaphthalene	5.6	ug/L	0.28	08/09/17 13:05	
EPA 8270 by HVI	2-Methylnaphthalene	10	ug/L	0.23	08/09/17 13:05	
EPA 8270 by HVI	Naphthalene	79.5	ug/L	0.86	08/09/17 13:05	
EPA 8270 by HVI	Phenanthrene	0.14J	ug/L	0.65	08/09/17 13:05	B
EPA 8260	Benzene	28.2J	ug/L	50.0	08/08/17 12:07	
EPA 8260	Ethylbenzene	2250	ug/L	50.0	08/08/17 12:07	
EPA 8260	Isopropylbenzene (Cumene)	89.6	ug/L	50.0	08/08/17 12:07	
EPA 8260	Naphthalene	173J	ug/L	250	08/08/17 12:07	
EPA 8260	n-Propylbenzene	190	ug/L	50.0	08/08/17 12:07	
EPA 8260	1,2,4-Trimethylbenzene	1120	ug/L	50.0	08/08/17 12:07	
EPA 8260	1,3,5-Trimethylbenzene	291	ug/L	50.0	08/08/17 12:07	
EPA 8260	m&p-Xylene	3920	ug/L	100	08/08/17 12:07	
EPA 8260	o-Xylene	83.1	ug/L	50.0	08/08/17 12:07	
40154369026	SB-43-S					
EPA 6010	Lead	14.3	ug/L	13.0	08/08/17 16:15	
EPA 8270 by HVI	Acenaphthene	0.013J	ug/L	0.030	08/08/17 21:21	
EPA 8270 by HVI	Anthracene	0.012J	ug/L	0.052	08/08/17 21:21	
EPA 8270 by HVI	Fluoranthene	0.013J	ug/L	0.053	08/08/17 21:21	
EPA 8270 by HVI	Naphthalene	0.026J	ug/L	0.092	08/08/17 21:21	
EPA 8270 by HVI	Phenanthrene	0.035J	ug/L	0.069	08/08/17 21:21	B
EPA 8270 by HVI	Pyrene	0.015J	ug/L	0.038	08/08/17 21:21	B
40154369027	SB-44-S					
EPA 8270 by HVI	Acenaphthene	0.0077J	ug/L	0.030	08/08/17 14:51	
EPA 8270 by HVI	Anthracene	0.047J	ug/L	0.052	08/08/17 14:51	
EPA 8270 by HVI	Benzo(a)pyrene	0.015J	ug/L	0.053	08/08/17 14:51	
EPA 8270 by HVI	Benzo(b)fluoranthene	0.020J	ug/L	0.029	08/08/17 14:51	
EPA 8270 by HVI	Benzo(g,h,i)perylene	0.019J	ug/L	0.034	08/08/17 14:51	
EPA 8270 by HVI	Benzo(k)fluoranthene	0.010J	ug/L	0.038	08/08/17 14:51	
EPA 8270 by HVI	Chrysene	0.029J	ug/L	0.065	08/08/17 14:51	
EPA 8270 by HVI	Fluoranthene	0.036J	ug/L	0.053	08/08/17 14:51	
EPA 8270 by HVI	Fluorene	0.010J	ug/L	0.040	08/08/17 14:51	
EPA 8270 by HVI	1-Methylnaphthalene	0.0099J	ug/L	0.030	08/08/17 14:51	
EPA 8270 by HVI	Naphthalene	0.031J	ug/L	0.092	08/08/17 14:51	
EPA 8270 by HVI	Phenanthrene	0.064J	ug/L	0.069	08/08/17 14:51	B
EPA 8270 by HVI	Pyrene	0.038J	ug/L	0.038	08/08/17 14:51	B
EPA 8260	Benzene	23.3	ug/L	1.0	08/09/17 01:02	
EPA 8260	Ethylbenzene	1.3	ug/L	1.0	08/09/17 01:02	
EPA 8260	Isopropylbenzene (Cumene)	0.18J	ug/L	1.0	08/09/17 01:02	
EPA 8260	Toluene	10.8	ug/L	1.0	08/09/17 01:02	
EPA 8260	1,2,4-Trimethylbenzene	0.73J	ug/L	1.0	08/09/17 01:02	
EPA 8260	m&p-Xylene	5.2	ug/L	2.0	08/09/17 01:02	
EPA 8260	o-Xylene	2.2	ug/L	1.0	08/09/17 01:02	

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SUMMARY OF DETECTION

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40154369028	SB-48-S					
EPA 6010	Arsenic	25.8	ug/L	25.0	08/08/17 16:20	
EPA 6010	Barium	239	ug/L	5.0	08/08/17 16:20	
EPA 6010	Chromium	61.5	ug/L	10.0	08/08/17 16:20	
EPA 6010	Lead	44.7	ug/L	13.0	08/08/17 16:20	
EPA 8270	bis(2-Ethylhexyl)phthalate	2.1J	ug/L	2.2	08/14/17 13:39	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-2 1-1.5'** Lab ID: **40154369001** Collected: 07/31/17 14:10 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	37.6	mg/kg	1.5	0.51	1	08/08/17 16:20	08/09/17 17:19	7439-92-1	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<4.7	ug/kg	15.8	4.7	1	08/10/17 09:07	08/11/17 14:01	83-32-9	
Acenaphthylene	<4.0	ug/kg	13.5	4.0	1	08/10/17 09:07	08/11/17 14:01	208-96-8	
Anthracene	<7.0	ug/kg	23.2	7.0	1	08/10/17 09:07	08/11/17 14:01	120-12-7	
Benzo(a)anthracene	27.5	ug/kg	13.0	3.9	1	08/10/17 09:07	08/11/17 14:01	56-55-3	
Benzo(a)pyrene	30.1	ug/kg	10.2	3.1	1	08/10/17 09:07	08/11/17 14:01	50-32-8	
Benzo(b)fluoranthene	41.9	ug/kg	11.5	3.5	1	08/10/17 09:07	08/11/17 14:01	205-99-2	
Benzo(g,h,i)perylene	24.5	ug/kg	8.3	2.5	1	08/10/17 09:07	08/11/17 14:01	191-24-2	
Benzo(k)fluoranthene	18.5	ug/kg	10.2	3.1	1	08/10/17 09:07	08/11/17 14:01	207-08-9	
Chrysene	35.5	ug/kg	13.7	4.1	1	08/10/17 09:07	08/11/17 14:01	218-01-9	
Dibenz(a,h)anthracene	6.3J	ug/kg	9.1	2.7	1	08/10/17 09:07	08/11/17 14:01	53-70-3	
Fluoranthene	50.9	ug/kg	21.3	6.4	1	08/10/17 09:07	08/11/17 14:01	206-44-0	
Fluorene	<5.1	ug/kg	16.9	5.1	1	08/10/17 09:07	08/11/17 14:01	86-73-7	
Indeno(1,2,3-cd)pyrene	19.4	ug/kg	9.0	2.7	1	08/10/17 09:07	08/11/17 14:01	193-39-5	
1-Methylnaphthalene	<4.9	ug/kg	16.4	4.9	1	08/10/17 09:07	08/11/17 14:01	90-12-0	
2-Methylnaphthalene	<6.1	ug/kg	20.4	6.1	1	08/10/17 09:07	08/11/17 14:01	91-57-6	
Naphthalene	<10.3	ug/kg	34.4	10.3	1	08/10/17 09:07	08/11/17 14:01	91-20-3	
Phenanthrene	18.8J	ug/kg	47.5	14.2	1	08/10/17 09:07	08/11/17 14:01	85-01-8	
Pyrene	40.9	ug/kg	18.3	5.5	1	08/10/17 09:07	08/11/17 14:01	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	63	%	19-96		1	08/10/17 09:07	08/11/17 14:01	321-60-8	
Terphenyl-d14 (S)	76	%	31-98		1	08/10/17 09:07	08/11/17 14:01	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/07/17 08:00	08/07/17 12:59	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/07/17 08:00	08/07/17 12:59	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/07/17 08:00	08/07/17 12:59	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/07/17 08:00	08/07/17 12:59	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-2 1-1.5' Lab ID: 40154369001 Collected: 07/31/17 14:10 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/07/17 08:00	08/07/17 12:59	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/07/17 08:00	08/07/17 12:59	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/07/17 08:00	08/07/17 12:59	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 12:59	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	103	%	68-130		1	08/07/17 08:00	08/07/17 12:59	1868-53-7	
Toluene-d8 (S)	107	%	68-149		1	08/07/17 08:00	08/07/17 12:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-2 1-1.5' **Lab ID: 40154369001** Collected: 07/31/17 14:10 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	98	%	58-141		1	08/07/17 08:00	08/07/17 12:59	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	18.3	%	0.10	0.10	1		08/14/17 10:57		

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

Sample: **SB-42 1-2'** Lab ID: **40154369002** Collected: 07/31/17 15:00 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	32.0	mg/kg	9.4	3.1	5	08/08/17 16:20	08/10/17 10:46	7439-92-1	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	759	ug/kg	425	128	20	08/10/17 09:07	08/11/17 20:38	83-32-9	
Acenaphthylene	<109	ug/kg	363	109	20	08/10/17 09:07	08/11/17 20:38	208-96-8	
Anthracene	1560	ug/kg	627	188	20	08/10/17 09:07	08/11/17 20:38	120-12-7	
Benzo(a)anthracene	3390	ug/kg	350	105	20	08/10/17 09:07	08/11/17 20:38	56-55-3	
Benzo(a)pyrene	3140	ug/kg	276	82.8	20	08/10/17 09:07	08/11/17 20:38	50-32-8	
Benzo(b)fluoranthene	4400	ug/kg	310	93.1	20	08/10/17 09:07	08/11/17 20:38	205-99-2	
Benzo(g,h,i)perylene	1990	ug/kg	223	67.0	20	08/10/17 09:07	08/11/17 20:38	191-24-2	
Benzo(k)fluoranthene	1800	ug/kg	276	82.8	20	08/10/17 09:07	08/11/17 20:38	207-08-9	
Chrysene	4170	ug/kg	369	111	20	08/10/17 09:07	08/11/17 20:38	218-01-9	
Dibenz(a,h)anthracene	534	ug/kg	246	73.7	20	08/10/17 09:07	08/11/17 20:38	53-70-3	
Fluoranthene	9930	ug/kg	574	172	20	08/10/17 09:07	08/11/17 20:38	206-44-0	
Fluorene	643	ug/kg	455	137	20	08/10/17 09:07	08/11/17 20:38	86-73-7	
Indeno(1,2,3-cd)pyrene	1750	ug/kg	242	72.5	20	08/10/17 09:07	08/11/17 20:38	193-39-5	
1-Methylnaphthalene	137J	ug/kg	442	133	20	08/10/17 09:07	08/11/17 20:38	90-12-0	
2-Methylnaphthalene	<165	ug/kg	551	165	20	08/10/17 09:07	08/11/17 20:38	91-57-6	
Naphthalene	<278	ug/kg	927	278	20	08/10/17 09:07	08/11/17 20:38	91-20-3	
Phenanthrene	8080	ug/kg	1280	384	20	08/10/17 09:07	08/11/17 20:38	85-01-8	
Pyrene	6960	ug/kg	495	149	20	08/10/17 09:07	08/11/17 20:38	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	50	%	19-96		20	08/10/17 09:07	08/11/17 20:38	321-60-8	
Terphenyl-d14 (S)	48	%	31-98		20	08/10/17 09:07	08/11/17 20:38	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/04/17 08:15	08/07/17 15:49	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/04/17 08:15	08/07/17 15:49	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/04/17 08:15	08/07/17 15:49	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/04/17 08:15	08/07/17 15:49	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	106-93-4	W

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-42 1-2' Lab ID: 40154369002 Collected: 07/31/17 15:00 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/04/17 08:15	08/07/17 15:49	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/04/17 08:15	08/07/17 15:49	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/04/17 08:15	08/07/17 15:49	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:49	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	106	%	68-130		1	08/04/17 08:15	08/07/17 15:49	1868-53-7	
Toluene-d8 (S)	96	%	68-149		1	08/04/17 08:15	08/07/17 15:49	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-42 1-2' **Lab ID: 40154369002** Collected: 07/31/17 15:00 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	79	%	58-141		1	08/04/17 08:15	08/07/17 15:49	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	39.4	%	0.10	0.10	1		08/14/17 10:57		

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-4 3-4'** Lab ID: **40154369003** Collected: 07/31/17 16:00 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	14.0	mg/kg	1.7	0.55	1	08/08/17 16:20	08/09/17 17:24	7439-92-1	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<5.2	ug/kg	17.3	5.2	1	08/10/17 09:07	08/11/17 13:44	83-32-9	
Acenaphthylene	<4.4	ug/kg	14.7	4.4	1	08/10/17 09:07	08/11/17 13:44	208-96-8	
Anthracene	<7.6	ug/kg	25.4	7.6	1	08/10/17 09:07	08/11/17 13:44	120-12-7	
Benzo(a)anthracene	13.2J	ug/kg	14.2	4.2	1	08/10/17 09:07	08/11/17 13:44	56-55-3	
Benzo(a)pyrene	13.5	ug/kg	11.2	3.4	1	08/10/17 09:07	08/11/17 13:44	50-32-8	
Benzo(b)fluoranthene	19.0	ug/kg	12.6	3.8	1	08/10/17 09:07	08/11/17 13:44	205-99-2	
Benzo(g,h,i)perylene	10.7	ug/kg	9.1	2.7	1	08/10/17 09:07	08/11/17 13:44	191-24-2	
Benzo(k)fluoranthene	9.0J	ug/kg	11.2	3.4	1	08/10/17 09:07	08/11/17 13:44	207-08-9	
Chrysene	16.9	ug/kg	15.0	4.5	1	08/10/17 09:07	08/11/17 13:44	218-01-9	
Dibenz(a,h)anthracene	3.3J	ug/kg	10	3.0	1	08/10/17 09:07	08/11/17 13:44	53-70-3	
Fluoranthene	28.5	ug/kg	23.3	7.0	1	08/10/17 09:07	08/11/17 13:44	206-44-0	
Fluorene	<5.5	ug/kg	18.5	5.5	1	08/10/17 09:07	08/11/17 13:44	86-73-7	
Indeno(1,2,3-cd)pyrene	7.3J	ug/kg	9.8	2.9	1	08/10/17 09:07	08/11/17 13:44	193-39-5	
1-Methylnaphthalene	<5.4	ug/kg	17.9	5.4	1	08/10/17 09:07	08/11/17 13:44	90-12-0	
2-Methylnaphthalene	<6.7	ug/kg	22.4	6.7	1	08/10/17 09:07	08/11/17 13:44	91-57-6	
Naphthalene	<11.3	ug/kg	37.6	11.3	1	08/10/17 09:07	08/11/17 13:44	91-20-3	
Phenanthrene	17.5J	ug/kg	51.9	15.6	1	08/10/17 09:07	08/11/17 13:44	85-01-8	
Pyrene	20.8	ug/kg	20.1	6.0	1	08/10/17 09:07	08/11/17 13:44	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	61	%	19-96		1	08/10/17 09:07	08/11/17 13:44	321-60-8	
Terphenyl-d14 (S)	62	%	31-98		1	08/10/17 09:07	08/11/17 13:44	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/04/17 08:15	08/07/17 15:25	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/04/17 08:15	08/07/17 15:25	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/04/17 08:15	08/07/17 15:25	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/04/17 08:15	08/07/17 15:25	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	106-93-4	W

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-4 3-4'** Lab ID: **40154369003** Collected: 07/31/17 16:00 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/04/17 08:15	08/07/17 15:25	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/04/17 08:15	08/07/17 15:25	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/04/17 08:15	08/07/17 15:25	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:25	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	97	%	68-130		1	08/04/17 08:15	08/07/17 15:25	1868-53-7	
Toluene-d8 (S)	99	%	68-149		1	08/04/17 08:15	08/07/17 15:25	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-4 3-4' **Lab ID: 40154369003** Collected: 07/31/17 16:00 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	88	%	58-141		1	08/04/17 08:15	08/07/17 15:25	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	25.3	%	0.10	0.10	1		08/14/17 10:57		

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-5 4-5' Lab ID: 40154369004 Collected: 07/31/17 17:00 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	4.1	mg/kg	1.4	0.47	1	08/08/17 16:20	08/09/17 17:26	7439-92-1	
8270 MSSV PAH by SIM		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	<45.8	ug/kg	152	45.8	10	08/10/17 09:07	08/15/17 18:28	83-32-9	
Acenaphthylene	<38.9	ug/kg	130	38.9	10	08/10/17 09:07	08/15/17 18:28	208-96-8	
Anthracene	<67.4	ug/kg	224	67.4	10	08/10/17 09:07	08/15/17 18:28	120-12-7	
Benzo(a)anthracene	39.5J	ug/kg	125	37.4	10	08/10/17 09:07	08/15/17 18:28	56-55-3	
Benzo(a)pyrene	<29.7	ug/kg	98.8	29.7	10	08/10/17 09:07	08/15/17 18:28	50-32-8	
Benzo(b)fluoranthene	<33.4	ug/kg	111	33.4	10	08/10/17 09:07	08/15/17 18:28	205-99-2	
Benzo(g,h,i)perylene	<24.0	ug/kg	80.0	24.0	10	08/10/17 09:07	08/15/17 18:28	191-24-2	
Benzo(k)fluoranthene	<29.6	ug/kg	98.7	29.6	10	08/10/17 09:07	08/15/17 18:28	207-08-9	
Chrysene	43.4J	ug/kg	132	39.8	10	08/10/17 09:07	08/15/17 18:28	218-01-9	
Dibenz(a,h)anthracene	<26.4	ug/kg	88.0	26.4	10	08/10/17 09:07	08/15/17 18:28	53-70-3	
Fluoranthene	110J	ug/kg	205	61.5	10	08/10/17 09:07	08/15/17 18:28	206-44-0	
Fluorene	50.6J	ug/kg	163	48.9	10	08/10/17 09:07	08/15/17 18:28	86-73-7	
Indeno(1,2,3-cd)pyrene	<26.0	ug/kg	86.6	26.0	10	08/10/17 09:07	08/15/17 18:28	193-39-5	
1-Methylnaphthalene	251	ug/kg	158	47.5	10	08/10/17 09:07	08/15/17 18:28	90-12-0	
2-Methylnaphthalene	472	ug/kg	197	59.1	10	08/10/17 09:07	08/15/17 18:28	91-57-6	M1
Naphthalene	2250	ug/kg	332	99.5	10	08/10/17 09:07	08/15/17 18:28	91-20-3	M1,R1
Phenanthrene	150J	ug/kg	458	138	10	08/10/17 09:07	08/15/17 18:28	85-01-8	
Pyrene	94.4J	ug/kg	177	53.3	10	08/10/17 09:07	08/15/17 18:28	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	54	%	19-96		10	08/10/17 09:07	08/15/17 18:28	321-60-8	
Terphenyl-d14 (S)	59	%	31-98		10	08/10/17 09:07	08/15/17 18:28	1718-51-0	
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	71-43-2	W
Bromobenzene	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	108-86-1	W
Bromochloromethane	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	74-97-5	W
Bromodichloromethane	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	75-27-4	W
Bromoform	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	75-25-2	W
Bromomethane	<1400	ug/kg	5000	1400	20	08/04/17 08:15	08/05/17 00:43	74-83-9	W
n-Butylbenzene	17900	ug/kg	1420	591	20	08/04/17 08:15	08/05/17 00:43	104-51-8	
sec-Butylbenzene	9340	ug/kg	1420	591	20	08/04/17 08:15	08/05/17 00:43	135-98-8	
tert-Butylbenzene	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	98-06-6	W
Carbon tetrachloride	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	56-23-5	W
Chlorobenzene	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	108-90-7	W
Chloroethane	<1340	ug/kg	5000	1340	20	08/04/17 08:15	08/05/17 00:43	75-00-3	W
Chloroform	<929	ug/kg	5000	929	20	08/04/17 08:15	08/05/17 00:43	67-66-3	W
Chloromethane	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	74-87-3	W
2-Chlorotoluene	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	95-49-8	W
4-Chlorotoluene	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	106-43-4	W
1,2-Dibromo-3-chloropropane	<1820	ug/kg	5000	1820	20	08/04/17 08:15	08/05/17 00:43	96-12-8	W
Dibromochloromethane	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	124-48-1	W
1,2-Dibromoethane (EDB)	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-5 4-5' Lab ID: 40154369004 Collected: 07/31/17 17:00 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	74-95-3	W
1,2-Dichlorobenzene	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	95-50-1	W
1,3-Dichlorobenzene	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	541-73-1	W
1,4-Dichlorobenzene	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	106-46-7	W
Dichlorodifluoromethane	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	75-71-8	W
1,1-Dichloroethane	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	75-34-3	W
1,2-Dichloroethane	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	107-06-2	W
1,1-Dichloroethene	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	75-35-4	W
cis-1,2-Dichloroethene	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	156-59-2	W
trans-1,2-Dichloroethene	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	156-60-5	W
1,2-Dichloropropane	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	78-87-5	W
1,3-Dichloropropane	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	142-28-9	W
2,2-Dichloropropane	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	594-20-7	W
1,1-Dichloropropene	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	563-58-6	W
cis-1,3-Dichloropropene	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	10061-01-5	W
trans-1,3-Dichloropropene	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	10061-02-6	W
Diisopropyl ether	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	108-20-3	W
Ethylbenzene	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	100-41-4	W
Hexachloro-1,3-butadiene	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	87-68-3	W
Isopropylbenzene (Cumene)	2760	ug/kg	1420	591	20	08/04/17 08:15	08/05/17 00:43	98-82-8	
p-Isopropyltoluene	9460	ug/kg	1420	591	20	08/04/17 08:15	08/05/17 00:43	99-87-6	
Methylene Chloride	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	75-09-2	W
Methyl-tert-butyl ether	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	1634-04-4	W
Naphthalene	6220	ug/kg	5910	947	20	08/04/17 08:15	08/05/17 00:43	91-20-3	
n-Propylbenzene	9010	ug/kg	1420	591	20	08/04/17 08:15	08/05/17 00:43	103-65-1	
Styrene	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	100-42-5	W
1,1,1,2-Tetrachloroethane	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	630-20-6	W
1,1,2,2-Tetrachloroethane	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	79-34-5	W
Tetrachloroethene	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	127-18-4	W
Toluene	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	108-88-3	W
1,2,3-Trichlorobenzene	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	87-61-6	W
1,2,4-Trichlorobenzene	<951	ug/kg	5000	951	20	08/04/17 08:15	08/05/17 00:43	120-82-1	W
1,1,1-Trichloroethane	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	71-55-6	W
1,1,2-Trichloroethane	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	79-00-5	W
Trichloroethene	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	79-01-6	W
Trichlorofluoromethane	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	75-69-4	W
1,2,3-Trichloropropane	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	96-18-4	W
1,2,4-Trimethylbenzene	11400	ug/kg	1420	591	20	08/04/17 08:15	08/05/17 00:43	95-63-6	
1,3,5-Trimethylbenzene	24900	ug/kg	1420	591	20	08/04/17 08:15	08/05/17 00:43	108-67-8	
Vinyl chloride	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	75-01-4	W
m&p-Xylene	<1000	ug/kg	2400	1000	20	08/04/17 08:15	08/05/17 00:43	179601-23-1	W
o-Xylene	<500	ug/kg	1200	500	20	08/04/17 08:15	08/05/17 00:43	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	0	%	68-130		20	08/04/17 08:15	08/05/17 00:43	1868-53-7	D3,S4
Toluene-d8 (S)	0	%	68-149		20	08/04/17 08:15	08/05/17 00:43	2037-26-5	S4

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-5 4-5' **Lab ID: 40154369004** Collected: 07/31/17 17:00 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	0	%	58-141		20	08/04/17 08:15	08/05/17 00:43	460-00-4	S4
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	15.4	%	0.10	0.10	1		08/14/17 10:58		

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-6 3-4'** Lab ID: **40154369005** Collected: 07/31/17 17:50 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	5.6	mg/kg	1.7	0.55	1	08/08/17 16:20	08/09/17 17:28	7439-92-1	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<5.1	ug/kg	17.1	5.1	1	08/10/17 09:07	08/11/17 14:20	83-32-9	
Acenaphthylene	<4.4	ug/kg	14.6	4.4	1	08/10/17 09:07	08/11/17 14:20	208-96-8	
Anthracene	<7.6	ug/kg	25.2	7.6	1	08/10/17 09:07	08/11/17 14:20	120-12-7	
Benzo(a)anthracene	<4.2	ug/kg	14.1	4.2	1	08/10/17 09:07	08/11/17 14:20	56-55-3	
Benzo(a)pyrene	<3.3	ug/kg	11.1	3.3	1	08/10/17 09:07	08/11/17 14:20	50-32-8	
Benzo(b)fluoranthene	<3.7	ug/kg	12.5	3.7	1	08/10/17 09:07	08/11/17 14:20	205-99-2	
Benzo(g,h,i)perylene	<2.7	ug/kg	9.0	2.7	1	08/10/17 09:07	08/11/17 14:20	191-24-2	
Benzo(k)fluoranthene	<3.3	ug/kg	11.1	3.3	1	08/10/17 09:07	08/11/17 14:20	207-08-9	
Chrysene	<4.5	ug/kg	14.9	4.5	1	08/10/17 09:07	08/11/17 14:20	218-01-9	
Dibenz(a,h)anthracene	<3.0	ug/kg	9.9	3.0	1	08/10/17 09:07	08/11/17 14:20	53-70-3	
Fluoranthene	<6.9	ug/kg	23.1	6.9	1	08/10/17 09:07	08/11/17 14:20	206-44-0	
Fluorene	<5.5	ug/kg	18.3	5.5	1	08/10/17 09:07	08/11/17 14:20	86-73-7	
Indeno(1,2,3-cd)pyrene	<2.9	ug/kg	9.7	2.9	1	08/10/17 09:07	08/11/17 14:20	193-39-5	
1-Methylnaphthalene	26.0	ug/kg	17.8	5.3	1	08/10/17 09:07	08/11/17 14:20	90-12-0	
2-Methylnaphthalene	64.7	ug/kg	22.2	6.6	1	08/10/17 09:07	08/11/17 14:20	91-57-6	
Naphthalene	75.7	ug/kg	37.3	11.2	1	08/10/17 09:07	08/11/17 14:20	91-20-3	
Phenanthrene	<15.5	ug/kg	51.5	15.5	1	08/10/17 09:07	08/11/17 14:20	85-01-8	
Pyrene	<6.0	ug/kg	19.9	6.0	1	08/10/17 09:07	08/11/17 14:20	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	61	%	19-96		1	08/10/17 09:07	08/11/17 14:20	321-60-8	
Terphenyl-d14 (S)	77	%	31-98		1	08/10/17 09:07	08/11/17 14:20	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/04/17 08:15	08/07/17 15:02	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/04/17 08:15	08/07/17 15:02	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/04/17 08:15	08/07/17 15:02	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/04/17 08:15	08/07/17 15:02	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-6 3-4'** Lab ID: **40154369005** Collected: 07/31/17 17:50 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	99-87-6	W
Methylene Chloride	34.6J	ug/kg	79.7	33.2	1	08/04/17 08:15	08/07/17 15:02	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	1634-04-4	W
Naphthalene	80.3J	ug/kg	332	53.2	1	08/04/17 08:15	08/07/17 15:02	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/04/17 08:15	08/07/17 15:02	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	96-18-4	W
1,2,4-Trimethylbenzene	224	ug/kg	79.7	33.2	1	08/04/17 08:15	08/07/17 15:02	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/04/17 08:15	08/07/17 15:02	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 15:02	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	109	%	68-130		1	08/04/17 08:15	08/07/17 15:02	1868-53-7	
Toluene-d8 (S)	109	%	68-149		1	08/04/17 08:15	08/07/17 15:02	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-6 3-4' **Lab ID: 40154369005** Collected: 07/31/17 17:50 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	99	%	58-141		1	08/04/17 08:15	08/07/17 15:02	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	24.8	%	0.10	0.10	1		08/14/17 10:58		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-8 10-12'** Lab ID: **40154369006** Collected: 08/01/17 09:05 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	11.0	mg/kg	2.0	0.65	1	08/08/17 16:20	08/09/17 17:31	7439-92-1	
8270 MSSV PAH by SIM		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	<6.0	ug/kg	19.9	6.0	1	08/10/17 09:07	08/14/17 17:03	83-32-9	
Acenaphthylene	<5.1	ug/kg	17.0	5.1	1	08/10/17 09:07	08/14/17 17:03	208-96-8	
Anthracene	<8.8	ug/kg	29.3	8.8	1	08/10/17 09:07	08/14/17 17:03	120-12-7	
Benzo(a)anthracene	<4.9	ug/kg	16.4	4.9	1	08/10/17 09:07	08/14/17 17:03	56-55-3	
Benzo(a)pyrene	<3.9	ug/kg	12.9	3.9	1	08/10/17 09:07	08/14/17 17:03	50-32-8	
Benzo(b)fluoranthene	<4.4	ug/kg	14.5	4.4	1	08/10/17 09:07	08/14/17 17:03	205-99-2	
Benzo(g,h,i)perylene	<3.1	ug/kg	10.5	3.1	1	08/10/17 09:07	08/14/17 17:03	191-24-2	
Benzo(k)fluoranthene	<3.9	ug/kg	12.9	3.9	1	08/10/17 09:07	08/14/17 17:03	207-08-9	
Chrysene	<5.2	ug/kg	17.3	5.2	1	08/10/17 09:07	08/14/17 17:03	218-01-9	
Dibenz(a,h)anthracene	<3.5	ug/kg	11.5	3.5	1	08/10/17 09:07	08/14/17 17:03	53-70-3	
Fluoranthene	<8.0	ug/kg	26.9	8.0	1	08/10/17 09:07	08/14/17 17:03	206-44-0	
Fluorene	<6.4	ug/kg	21.3	6.4	1	08/10/17 09:07	08/14/17 17:03	86-73-7	
Indeno(1,2,3-cd)pyrene	<3.4	ug/kg	11.3	3.4	1	08/10/17 09:07	08/14/17 17:03	193-39-5	
1-Methylnaphthalene	6.9J	ug/kg	20.7	6.2	1	08/10/17 09:07	08/14/17 17:03	90-12-0	
2-Methylnaphthalene	<7.7	ug/kg	25.8	7.7	1	08/10/17 09:07	08/14/17 17:03	91-57-6	
Naphthalene	<13.0	ug/kg	43.4	13.0	1	08/10/17 09:07	08/14/17 17:03	91-20-3	
Phenanthrene	<18.0	ug/kg	59.9	18.0	1	08/10/17 09:07	08/14/17 17:03	85-01-8	
Pyrene	<7.0	ug/kg	23.2	7.0	1	08/10/17 09:07	08/14/17 17:03	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	51	%	19-96		1	08/10/17 09:07	08/14/17 17:03	321-60-8	
Terphenyl-d14 (S)	66	%	31-98		1	08/10/17 09:07	08/14/17 17:03	1718-51-0	
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/04/17 08:15	08/08/17 08:08	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	104-51-8	W
sec-Butylbenzene	161	ug/kg	92.6	38.6	1	08/04/17 08:15	08/08/17 08:08	135-98-8	
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/04/17 08:15	08/08/17 08:08	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/04/17 08:15	08/08/17 08:08	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/04/17 08:15	08/08/17 08:08	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	106-93-4	W

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-8 10-12'** Lab ID: **40154369006** Collected: 08/01/17 09:05 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	87-68-3	W
Isopropylbenzene (Cumene)	63.5J	ug/kg	92.6	38.6	1	08/04/17 08:15	08/08/17 08:08	98-82-8	
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/04/17 08:15	08/08/17 08:08	91-20-3	W
n-Propylbenzene	322	ug/kg	92.6	38.6	1	08/04/17 08:15	08/08/17 08:08	103-65-1	
Styrene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/04/17 08:15	08/08/17 08:08	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	96-18-4	W
1,2,4-Trimethylbenzene	122	ug/kg	92.6	38.6	1	08/04/17 08:15	08/08/17 08:08	95-63-6	
1,3,5-Trimethylbenzene	561	ug/kg	92.6	38.6	1	08/04/17 08:15	08/08/17 08:08	108-67-8	
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/04/17 08:15	08/08/17 08:08	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/08/17 08:08	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	104	%	68-130		1	08/04/17 08:15	08/08/17 08:08	1868-53-7	
Toluene-d8 (S)	99	%	68-149		1	08/04/17 08:15	08/08/17 08:08	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-8 10-12' **Lab ID: 40154369006** Collected: 08/01/17 09:05 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	97	%	58-141		1	08/04/17 08:15	08/08/17 08:08	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	35.2	%	0.10	0.10	1		08/14/17 10:58		

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-7 10-12'** Lab ID: **40154369007** Collected: 08/01/17 10:00 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	10.3	mg/kg	1.7	0.55	1	08/08/17 16:20	08/09/17 17:33	7439-92-1	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<5.0	ug/kg	16.6	5.0	1	08/10/17 09:07	08/11/17 14:38	83-32-9	
Acenaphthylene	<4.2	ug/kg	14.2	4.2	1	08/10/17 09:07	08/11/17 14:38	208-96-8	
Anthracene	<7.4	ug/kg	24.5	7.4	1	08/10/17 09:07	08/11/17 14:38	120-12-7	
Benzo(a)anthracene	<4.1	ug/kg	13.7	4.1	1	08/10/17 09:07	08/11/17 14:38	56-55-3	
Benzo(a)pyrene	<3.2	ug/kg	10.8	3.2	1	08/10/17 09:07	08/11/17 14:38	50-32-8	
Benzo(b)fluoranthene	<3.6	ug/kg	12.1	3.6	1	08/10/17 09:07	08/11/17 14:38	205-99-2	
Benzo(g,h,i)perylene	<2.6	ug/kg	8.7	2.6	1	08/10/17 09:07	08/11/17 14:38	191-24-2	
Benzo(k)fluoranthene	<3.2	ug/kg	10.8	3.2	1	08/10/17 09:07	08/11/17 14:38	207-08-9	
Chrysene	<4.3	ug/kg	14.4	4.3	1	08/10/17 09:07	08/11/17 14:38	218-01-9	
Dibenz(a,h)anthracene	<2.9	ug/kg	9.6	2.9	1	08/10/17 09:07	08/11/17 14:38	53-70-3	
Fluoranthene	<6.7	ug/kg	22.4	6.7	1	08/10/17 09:07	08/11/17 14:38	206-44-0	
Fluorene	10.1J	ug/kg	17.8	5.3	1	08/10/17 09:07	08/11/17 14:38	86-73-7	
Indeno(1,2,3-cd)pyrene	<2.8	ug/kg	9.4	2.8	1	08/10/17 09:07	08/11/17 14:38	193-39-5	
1-Methylnaphthalene	86.7	ug/kg	17.3	5.2	1	08/10/17 09:07	08/11/17 14:38	90-12-0	
2-Methylnaphthalene	187	ug/kg	21.5	6.4	1	08/10/17 09:07	08/11/17 14:38	91-57-6	
Naphthalene	570	ug/kg	36.2	10.9	1	08/10/17 09:07	08/11/17 14:38	91-20-3	
Phenanthrene	<15.0	ug/kg	50.0	15.0	1	08/10/17 09:07	08/11/17 14:38	85-01-8	
Pyrene	<5.8	ug/kg	19.3	5.8	1	08/10/17 09:07	08/11/17 14:38	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	55	%	19-96		1	08/10/17 09:07	08/11/17 14:38	321-60-8	
Terphenyl-d14 (S)	62	%	31-98		1	08/10/17 09:07	08/11/17 14:38	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	312	ug/kg	155	64.6	2	08/04/17 08:15	08/05/17 01:06	71-43-2	
Bromobenzene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	108-86-1	W
Bromochloromethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	74-97-5	W
Bromodichloromethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	75-27-4	W
Bromoform	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	75-25-2	W
Bromomethane	<140	ug/kg	500	140	2	08/04/17 08:15	08/05/17 01:06	74-83-9	W
n-Butylbenzene	1730	ug/kg	155	64.6	2	08/04/17 08:15	08/05/17 01:06	104-51-8	
sec-Butylbenzene	256	ug/kg	155	64.6	2	08/04/17 08:15	08/05/17 01:06	135-98-8	
tert-Butylbenzene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	98-06-6	W
Carbon tetrachloride	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	56-23-5	W
Chlorobenzene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	108-90-7	W
Chloroethane	<134	ug/kg	500	134	2	08/04/17 08:15	08/05/17 01:06	75-00-3	W
Chloroform	<92.9	ug/kg	500	92.9	2	08/04/17 08:15	08/05/17 01:06	67-66-3	W
Chloromethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	74-87-3	W
2-Chlorotoluene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	95-49-8	W
4-Chlorotoluene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	106-43-4	W
1,2-Dibromo-3-chloropropane	<182	ug/kg	500	182	2	08/04/17 08:15	08/05/17 01:06	96-12-8	W
Dibromochloromethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	124-48-1	W
1,2-Dibromoethane (EDB)	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	106-93-4	W

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Lab Project No.: 40154369

Sample: **SB-7 10-12'** Lab ID: **40154369007** Collected: 08/01/17 10:00 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	74-95-3	W
1,2-Dichlorobenzene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	95-50-1	W
1,3-Dichlorobenzene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	541-73-1	W
1,4-Dichlorobenzene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	106-46-7	W
Dichlorodifluoromethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	75-71-8	W
1,1-Dichloroethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	75-34-3	W
1,2-Dichloroethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	107-06-2	W
1,1-Dichloroethene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	75-35-4	W
cis-1,2-Dichloroethene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	156-59-2	W
trans-1,2-Dichloroethene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	156-60-5	W
1,2-Dichloropropane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	78-87-5	W
1,3-Dichloropropane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	142-28-9	W
2,2-Dichloropropane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	594-20-7	W
1,1-Dichloropropene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	563-58-6	W
cis-1,3-Dichloropropene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	10061-01-5	W
trans-1,3-Dichloropropene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	10061-02-6	W
Diisopropyl ether	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	108-20-3	W
Ethylbenzene	18800	ug/kg	155	64.6	2	08/04/17 08:15	08/05/17 01:06	100-41-4	
Hexachloro-1,3-butadiene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	87-68-3	W
Isopropylbenzene (Cumene)	1470	ug/kg	155	64.6	2	08/04/17 08:15	08/05/17 01:06	98-82-8	
p-Isopropyltoluene	231	ug/kg	155	64.6	2	08/04/17 08:15	08/05/17 01:06	99-87-6	
Methylene Chloride	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	75-09-2	W
Methyl-tert-butyl ether	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	1634-04-4	W
Naphthalene	3500	ug/kg	646	103	2	08/04/17 08:15	08/05/17 01:06	91-20-3	
n-Propylbenzene	4560	ug/kg	155	64.6	2	08/04/17 08:15	08/05/17 01:06	103-65-1	
Styrene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	100-42-5	W
1,1,1,2-Tetrachloroethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	630-20-6	W
1,1,2,2-Tetrachloroethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	79-34-5	W
Tetrachloroethene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	127-18-4	W
Toluene	72.4J	ug/kg	155	64.6	2	08/04/17 08:15	08/05/17 01:06	108-88-3	
1,2,3-Trichlorobenzene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	87-61-6	W
1,2,4-Trichlorobenzene	<95.1	ug/kg	500	95.1	2	08/04/17 08:15	08/05/17 01:06	120-82-1	W
1,1,1-Trichloroethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	71-55-6	W
1,1,2-Trichloroethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	79-00-5	W
Trichloroethene	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	79-01-6	W
Trichlorofluoromethane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	75-69-4	W
1,2,3-Trichloropropane	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	96-18-4	W
1,2,4-Trimethylbenzene	23600	ug/kg	155	64.6	2	08/04/17 08:15	08/05/17 01:06	95-63-6	
1,3,5-Trimethylbenzene	6370	ug/kg	155	64.6	2	08/04/17 08:15	08/05/17 01:06	108-67-8	
Vinyl chloride	<50.0	ug/kg	120	50.0	2	08/04/17 08:15	08/05/17 01:06	75-01-4	W
m&p-Xylene	38700	ug/kg	310	129	2	08/04/17 08:15	08/05/17 01:06	179601-23-1	
o-Xylene	178	ug/kg	155	64.6	2	08/04/17 08:15	08/05/17 01:06	95-47-6	
Surrogates									
Dibromofluoromethane (S)	114	%	68-130		2	08/04/17 08:15	08/05/17 01:06	1868-53-7	
Toluene-d8 (S)	113	%	68-149		2	08/04/17 08:15	08/05/17 01:06	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-7 10-12' **Lab ID: 40154369007** Collected: 08/01/17 10:00 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	108	%	58-141		2	08/04/17 08:15	08/05/17 01:06	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	22.6	%	0.10	0.10	1		08/14/17 10:58		

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-9 4-5'** Lab ID: **40154369008** Collected: 08/01/17 10:50 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	6.5	mg/kg	1.5	0.48	1	08/08/17 16:20	08/09/17 17:40	7439-92-1	
8270 MSSV PAH by SIM		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	169	ug/kg	147	44.2	10	08/10/17 09:07	08/21/17 16:06	83-32-9	
Acenaphthylene	79.1J	ug/kg	125	37.5	10	08/10/17 09:07	08/21/17 16:06	208-96-8	
Anthracene	<65.0	ug/kg	216	65.0	10	08/10/17 09:07	08/21/17 16:06	120-12-7	
Benzo(a)anthracene	52.6J	ug/kg	121	36.1	10	08/10/17 09:07	08/21/17 16:06	56-55-3	
Benzo(a)pyrene	35.2J	ug/kg	95.3	28.6	10	08/10/17 09:07	08/21/17 16:06	50-32-8	
Benzo(b)fluoranthene	41.5J	ug/kg	107	32.1	10	08/10/17 09:07	08/21/17 16:06	205-99-2	
Benzo(g,h,i)perylene	<23.1	ug/kg	77.1	23.1	10	08/10/17 09:07	08/21/17 16:06	191-24-2	
Benzo(k)fluoranthene	<28.6	ug/kg	95.1	28.6	10	08/10/17 09:07	08/21/17 16:06	207-08-9	
Chrysene	58.6J	ug/kg	127	38.4	10	08/10/17 09:07	08/21/17 16:06	218-01-9	
Dibenz(a,h)anthracene	<25.4	ug/kg	84.8	25.4	10	08/10/17 09:07	08/21/17 16:06	53-70-3	
Fluoranthene	84.6J	ug/kg	198	59.3	10	08/10/17 09:07	08/21/17 16:06	206-44-0	
Fluorene	206	ug/kg	157	47.1	10	08/10/17 09:07	08/21/17 16:06	86-73-7	
Indeno(1,2,3-cd)pyrene	<25.0	ug/kg	83.4	25.0	10	08/10/17 09:07	08/21/17 16:06	193-39-5	
1-Methylnaphthalene	3300	ug/kg	153	45.8	10	08/10/17 09:07	08/21/17 16:06	90-12-0	
2-Methylnaphthalene	4160	ug/kg	190	56.9	10	08/10/17 09:07	08/21/17 16:06	91-57-6	
Naphthalene	1960	ug/kg	320	95.8	10	08/10/17 09:07	08/21/17 16:06	91-20-3	
Phenanthrene	617	ug/kg	442	133	10	08/10/17 09:07	08/21/17 16:06	85-01-8	
Pyrene	78.1J	ug/kg	171	51.4	10	08/10/17 09:07	08/21/17 16:06	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	64	%	19-96		10	08/10/17 09:07	08/21/17 16:06	321-60-8	
Terphenyl-d14 (S)	57	%	31-98		10	08/10/17 09:07	08/21/17 16:06	1718-51-0	
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	71-43-2	W
Bromobenzene	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	108-86-1	W
Bromochloromethane	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	74-97-5	W
Bromodichloromethane	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	75-27-4	W
Bromoform	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	75-25-2	W
Bromomethane	<559	ug/kg	2000	559	8	08/04/17 08:15	08/07/17 12:44	74-83-9	W
n-Butylbenzene	7190	ug/kg	547	228	8	08/04/17 08:15	08/07/17 12:44	104-51-8	
sec-Butylbenzene	5270	ug/kg	547	228	8	08/04/17 08:15	08/07/17 12:44	135-98-8	
tert-Butylbenzene	469J	ug/kg	547	228	8	08/04/17 08:15	08/07/17 12:44	98-06-6	
Carbon tetrachloride	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	56-23-5	W
Chlorobenzene	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	108-90-7	W
Chloroethane	<536	ug/kg	2000	536	8	08/04/17 08:15	08/07/17 12:44	75-00-3	W
Chloroform	<372	ug/kg	2000	372	8	08/04/17 08:15	08/07/17 12:44	67-66-3	W
Chloromethane	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	74-87-3	W
2-Chlorotoluene	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	95-49-8	W
4-Chlorotoluene	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	106-43-4	W
1,2-Dibromo-3-chloropropane	<730	ug/kg	2000	730	8	08/04/17 08:15	08/07/17 12:44	96-12-8	W
Dibromochloromethane	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	124-48-1	W
1,2-Dibromoethane (EDB)	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	106-93-4	W

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-9 4-5'** Lab ID: **40154369008** Collected: 08/01/17 10:50 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	74-95-3	W
1,2-Dichlorobenzene	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	95-50-1	W
1,3-Dichlorobenzene	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	541-73-1	W
1,4-Dichlorobenzene	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	106-46-7	W
Dichlorodifluoromethane	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	75-71-8	W
1,1-Dichloroethane	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	75-34-3	W
1,2-Dichloroethane	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	107-06-2	W
1,1-Dichloroethene	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	75-35-4	W
cis-1,2-Dichloroethene	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	156-59-2	W
trans-1,2-Dichloroethene	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	156-60-5	W
1,2-Dichloropropane	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	78-87-5	W
1,3-Dichloropropane	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	142-28-9	W
2,2-Dichloropropane	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	594-20-7	W
1,1-Dichloropropene	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	563-58-6	W
cis-1,3-Dichloropropene	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	10061-01-5	W
trans-1,3-Dichloropropene	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	10061-02-6	W
Diisopropyl ether	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	108-20-3	W
Ethylbenzene	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	100-41-4	W
Hexachloro-1,3-butadiene	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	87-68-3	W
Isopropylbenzene (Cumene)	927	ug/kg	547	228	8	08/04/17 08:15	08/07/17 12:44	98-82-8	
p-Isopropyltoluene	1810	ug/kg	547	228	8	08/04/17 08:15	08/07/17 12:44	99-87-6	
Methylene Chloride	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	75-09-2	W
Methyl-tert-butyl ether	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	1634-04-4	W
Naphthalene	3180	ug/kg	2280	365	8	08/04/17 08:15	08/07/17 12:44	91-20-3	
n-Propylbenzene	3420	ug/kg	547	228	8	08/04/17 08:15	08/07/17 12:44	103-65-1	
Styrene	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	100-42-5	W
1,1,1,2-Tetrachloroethane	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	630-20-6	W
1,1,2,2-Tetrachloroethane	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	79-34-5	W
Tetrachloroethene	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	127-18-4	W
Toluene	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	108-88-3	W
1,2,3-Trichlorobenzene	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	87-61-6	W
1,2,4-Trichlorobenzene	<380	ug/kg	2000	380	8	08/04/17 08:15	08/07/17 12:44	120-82-1	W
1,1,1-Trichloroethane	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	71-55-6	W
1,1,2-Trichloroethane	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	79-00-5	W
Trichloroethene	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	79-01-6	W
Trichlorofluoromethane	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	75-69-4	W
1,2,3-Trichloropropane	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	96-18-4	W
1,2,4-Trimethylbenzene	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	95-63-6	W
1,3,5-Trimethylbenzene	855	ug/kg	547	228	8	08/04/17 08:15	08/07/17 12:44	108-67-8	
Vinyl chloride	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	75-01-4	W
m&p-Xylene	<400	ug/kg	960	400	8	08/04/17 08:15	08/07/17 12:44	179601-23-1	W
o-Xylene	<200	ug/kg	480	200	8	08/04/17 08:15	08/07/17 12:44	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	110	%	68-130		8	08/04/17 08:15	08/07/17 12:44	1868-53-7	D3
Toluene-d8 (S)	96	%	68-149		8	08/04/17 08:15	08/07/17 12:44	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-9 4-5' **Lab ID: 40154369008** Collected: 08/01/17 10:50 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	138	%	58-141		8	08/04/17 08:15	08/07/17 12:44	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	12.2	%	0.10	0.10	1		08/14/17 10:58		

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

Sample: SB-39 3-4' **Lab ID: 40154369009** Collected: 08/01/17 11:40 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<37.7	ug/kg	75.4	37.7	1	08/08/17 13:03	08/10/17 14:00	12674-11-2	
PCB-1221 (Aroclor 1221)	<37.7	ug/kg	75.4	37.7	1	08/08/17 13:03	08/10/17 14:00	11104-28-2	
PCB-1232 (Aroclor 1232)	<37.7	ug/kg	75.4	37.7	1	08/08/17 13:03	08/10/17 14:00	11141-16-5	
PCB-1242 (Aroclor 1242)	<37.7	ug/kg	75.4	37.7	1	08/08/17 13:03	08/10/17 14:00	53469-21-9	
PCB-1248 (Aroclor 1248)	<37.7	ug/kg	75.4	37.7	1	08/08/17 13:03	08/10/17 14:00	12672-29-6	
PCB-1254 (Aroclor 1254)	<37.7	ug/kg	75.4	37.7	1	08/08/17 13:03	08/10/17 14:00	11097-69-1	
PCB-1260 (Aroclor 1260)	<37.7	ug/kg	75.4	37.7	1	08/08/17 13:03	08/10/17 14:00	11096-82-5	
PCB, Total	<37.7	ug/kg	75.4	37.7	1	08/08/17 13:03	08/10/17 14:00	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	79	%	50-102		1	08/08/17 13:03	08/10/17 14:00	877-09-8	
Decachlorobiphenyl (S)	79	%	53-105		1	08/08/17 13:03	08/10/17 14:00	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	14.4	mg/kg	7.3	1.5	1	08/08/17 11:12	08/09/17 10:42	7440-38-2	
Barium	244	mg/kg	0.73	0.22	1	08/08/17 11:12	08/09/17 10:42	7440-39-3	
Cadmium	1.5	mg/kg	0.73	0.19	1	08/08/17 11:12	08/09/17 10:42	7440-43-9	
Chromium	39.7	mg/kg	1.5	0.41	1	08/08/17 11:12	08/09/17 10:42	7440-47-3	
Lead	231	mg/kg	1.9	0.63	1	08/08/17 11:12	08/09/17 10:42	7439-92-1	
Selenium	<1.6	mg/kg	7.3	1.6	1	08/08/17 11:12	08/09/17 10:42	7782-49-2	
Silver	9.8	mg/kg	1.5	0.50	1	08/08/17 11:12	08/09/17 10:42	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	3.6	mg/kg	0.53	0.16	10	08/14/17 07:10	08/15/17 13:26	7439-97-6	
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<28.5	ug/kg	94.8	28.5	1	08/07/17 14:59	08/08/17 15:55	120-82-1	
1,2-Dichlorobenzene	<79.1	ug/kg	264	79.1	1	08/07/17 14:59	08/08/17 15:55	95-50-1	
1,3-Dichlorobenzene	<34.9	ug/kg	116	34.9	1	08/07/17 14:59	08/08/17 15:55	541-73-1	
1,4-Dichlorobenzene	<35.1	ug/kg	117	35.1	1	08/07/17 14:59	08/08/17 15:55	106-46-7	
2,2'-Oxybis(1-chloropropane)	<64.9	ug/kg	216	64.9	1	08/07/17 14:59	08/08/17 15:55	108-60-1	
2,4,5-Trichlorophenol	<44.5	ug/kg	148	44.5	1	08/07/17 14:59	08/08/17 15:55	95-95-4	
2,4,6-Trichlorophenol	<38.4	ug/kg	128	38.4	1	08/07/17 14:59	08/08/17 15:55	88-06-2	
2,4-Dichlorophenol	<67.3	ug/kg	224	67.3	1	08/07/17 14:59	08/08/17 15:55	120-83-2	
2,4-Dimethylphenol	<49.8	ug/kg	166	49.8	1	08/07/17 14:59	08/08/17 15:55	105-67-9	
2,4-Dinitrophenol	<76.7	ug/kg	256	76.7	1	08/07/17 14:59	08/08/17 15:55	51-28-5	L1
2,4-Dinitrotoluene	<36.0	ug/kg	120	36.0	1	08/07/17 14:59	08/08/17 15:55	121-14-2	
2,6-Dinitrotoluene	<47.8	ug/kg	159	47.8	1	08/07/17 14:59	08/08/17 15:55	606-20-2	
2-Chloronaphthalene	<32.3	ug/kg	108	32.3	1	08/07/17 14:59	08/08/17 15:55	91-58-7	
2-Chlorophenol	<62.8	ug/kg	209	62.8	1	08/07/17 14:59	08/08/17 15:55	95-57-8	
2-Methylnaphthalene	<65.4	ug/kg	218	65.4	1	08/07/17 14:59	08/08/17 15:55	91-57-6	
2-Methylphenol(o-Cresol)	<45.7	ug/kg	152	45.7	1	08/07/17 14:59	08/08/17 15:55	95-48-7	
2-Nitroaniline	<71.7	ug/kg	239	71.7	1	08/07/17 14:59	08/08/17 15:55	88-74-4	
2-Nitrophenol	<79.4	ug/kg	265	79.4	1	08/07/17 14:59	08/08/17 15:55	88-75-5	
3&4-Methylphenol(m&p Cresol)	<46.1	ug/kg	154	46.1	1	08/07/17 14:59	08/08/17 15:55		
3,3'-Dichlorobenzidine	<68.3	ug/kg	228	68.3	1	08/07/17 14:59	08/08/17 15:55	91-94-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

Sample: **SB-39 3-4'** Lab ID: **40154369009** Collected: 08/01/17 11:40 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<42.8	ug/kg	143	42.8	1	08/07/17 14:59	08/08/17 15:55	99-09-2	
4,6-Dinitro-2-methylphenol	<77.6	ug/kg	259	77.6	1	08/07/17 14:59	08/08/17 15:55	534-52-1	
4-Bromophenylphenyl ether	<52.7	ug/kg	176	52.7	1	08/07/17 14:59	08/08/17 15:55	101-55-3	
4-Chloro-3-methylphenol	<78.3	ug/kg	261	78.3	1	08/07/17 14:59	08/08/17 15:55	59-50-7	
4-Chloroaniline	<41.4	ug/kg	138	41.4	1	08/07/17 14:59	08/08/17 15:55	106-47-8	
4-Chlorophenylphenyl ether	<46.9	ug/kg	156	46.9	1	08/07/17 14:59	08/08/17 15:55	7005-72-3	
4-Nitroaniline	<104	ug/kg	348	104	1	08/07/17 14:59	08/08/17 15:55	100-01-6	
4-Nitrophenol	<63.4	ug/kg	211	63.4	1	08/07/17 14:59	08/08/17 15:55	100-02-7	
Acenaphthene	<89.3	ug/kg	298	89.3	1	08/07/17 14:59	08/08/17 15:55	83-32-9	
Acenaphthylene	<89.8	ug/kg	299	89.8	1	08/07/17 14:59	08/08/17 15:55	208-96-8	
Anthracene	47.3J	ug/kg	134	40.2	1	08/07/17 14:59	08/08/17 15:55	120-12-7	
Benzo(a)anthracene	120J	ug/kg	130	39.0	1	08/07/17 14:59	08/08/17 15:55	56-55-3	
Benzo(a)pyrene	158	ug/kg	126	37.9	1	08/07/17 14:59	08/08/17 15:55	50-32-8	
Benzo(b)fluoranthene	191	ug/kg	144	43.2	1	08/07/17 14:59	08/08/17 15:55	205-99-2	
Benzo(g,h,i)perylene	231	ug/kg	220	65.9	1	08/07/17 14:59	08/08/17 15:55	191-24-2	
Benzo(k)fluoranthene	72.6J	ug/kg	201	60.3	1	08/07/17 14:59	08/08/17 15:55	207-08-9	
Butylbenzylphthalate	<40.4	ug/kg	135	40.4	1	08/07/17 14:59	08/08/17 15:55	85-68-7	
Carbazole	<39.4	ug/kg	131	39.4	1	08/07/17 14:59	08/08/17 15:55	86-74-8	
Chrysene	152	ug/kg	125	37.6	1	08/07/17 14:59	08/08/17 15:55	218-01-9	
Di-n-butylphthalate	<37.6	ug/kg	125	37.6	1	08/07/17 14:59	08/08/17 15:55	84-74-2	
Di-n-octylphthalate	<56.6	ug/kg	189	56.6	1	08/07/17 14:59	08/08/17 15:55	117-84-0	
Dibenz(a,h)anthracene	<68.4	ug/kg	228	68.4	1	08/07/17 14:59	08/08/17 15:55	53-70-3	
Dibenzofuran	<30.5	ug/kg	102	30.5	1	08/07/17 14:59	08/08/17 15:55	132-64-9	
Diethylphthalate	<41.7	ug/kg	139	41.7	1	08/07/17 14:59	08/08/17 15:55	84-66-2	
Dimethylphthalate	<32.7	ug/kg	109	32.7	1	08/07/17 14:59	08/08/17 15:55	131-11-3	
Fluoranthene	250	ug/kg	119	35.6	1	08/07/17 14:59	08/08/17 15:55	206-44-0	
Fluorene	<29.4	ug/kg	98.1	29.4	1	08/07/17 14:59	08/08/17 15:55	86-73-7	
Hexachloro-1,3-butadiene	<64.1	ug/kg	214	64.1	1	08/07/17 14:59	08/08/17 15:55	87-68-3	
Hexachlorobenzene	<42.3	ug/kg	141	42.3	1	08/07/17 14:59	08/08/17 15:55	118-74-1	
Hexachlorocyclopentadiene	<59.6	ug/kg	199	59.6	1	08/07/17 14:59	08/08/17 15:55	77-47-4	
Hexachloroethane	<40.3	ug/kg	134	40.3	1	08/07/17 14:59	08/08/17 15:55	67-72-1	
Indeno(1,2,3-cd)pyrene	210	ug/kg	182	54.5	1	08/07/17 14:59	08/08/17 15:55	193-39-5	
Isophorone	<38.7	ug/kg	129	38.7	1	08/07/17 14:59	08/08/17 15:55	78-59-1	
N-Nitroso-di-n-propylamine	<39.9	ug/kg	133	39.9	1	08/07/17 14:59	08/08/17 15:55	621-64-7	
N-Nitrosodiphenylamine	<342	ug/kg	1140	342	1	08/07/17 14:59	08/08/17 15:55	86-30-6	
Naphthalene	<88.0	ug/kg	293	88.0	1	08/07/17 14:59	08/08/17 15:55	91-20-3	
Nitrobenzene	<51.0	ug/kg	170	51.0	1	08/07/17 14:59	08/08/17 15:55	98-95-3	
Pentachlorophenol	<55.4	ug/kg	185	55.4	1	08/07/17 14:59	08/08/17 15:55	87-86-5	
Phenanthrene	161	ug/kg	108	32.3	1	08/07/17 14:59	08/08/17 15:55	85-01-8	
Phenol	<59.7	ug/kg	199	59.7	1	08/07/17 14:59	08/08/17 15:55	108-95-2	
Pyrene	258	ug/kg	186	55.8	1	08/07/17 14:59	08/08/17 15:55	129-00-0	
bis(2-Chloroethoxy)methane	<67.8	ug/kg	226	67.8	1	08/07/17 14:59	08/08/17 15:55	111-91-1	
bis(2-Chloroethyl) ether	<78.6	ug/kg	262	78.6	1	08/07/17 14:59	08/08/17 15:55	111-44-4	
bis(2-Ethylhexyl)phthalate	<41.9	ug/kg	140	41.9	1	08/07/17 14:59	08/08/17 15:55	117-81-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-39 3-4' Lab ID: 40154369009 Collected: 08/01/17 11:40 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

Nitrobenzene-d5 (S)	91	%	13-114		1	08/07/17 14:59	08/08/17 15:55	4165-60-0	
2-Fluorobiphenyl (S)	79	%	18-127		1	08/07/17 14:59	08/08/17 15:55	321-60-8	
Terphenyl-d14 (S)	93	%	41-109		1	08/07/17 14:59	08/08/17 15:55	1718-51-0	
Phenol-d6 (S)	81	%	30-97		1	08/07/17 14:59	08/08/17 15:55	13127-88-3	
2-Fluorophenol (S)	85	%	16-103		1	08/07/17 14:59	08/08/17 15:55	367-12-4	
2,4,6-Tribromophenol (S)	91	%	13-143		1	08/07/17 14:59	08/08/17 15:55	118-79-6	

8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Benzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/04/17 08:15	08/07/17 09:05	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/04/17 08:15	08/07/17 09:05	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/04/17 08:15	08/07/17 09:05	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/04/17 08:15	08/07/17 09:05	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	108-20-3	W

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-39 3-4' Lab ID: 40154369009 Collected: 08/01/17 11:40 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/04/17 08:15	08/07/17 09:05	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/04/17 08:15	08/07/17 09:05	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/04/17 08:15	08/07/17 09:05	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/04/17 08:15	08/07/17 09:05	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	130	%	68-130		1	08/04/17 08:15	08/07/17 09:05	1868-53-7	
Toluene-d8 (S)	126	%	68-149		1	08/04/17 08:15	08/07/17 09:05	2037-26-5	
4-Bromofluorobenzene (S)	104	%	58-141		1	08/04/17 08:15	08/07/17 09:05	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	33.7	%	0.10	0.10	1		08/14/17 10:58		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-21 3-3.5' **Lab ID: 40154369010** Collected: 07/31/17 14:50 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<28.0	ug/kg	56.1	28.0	1	08/07/17 13:29	08/08/17 08:09	12674-11-2	
PCB-1221 (Aroclor 1221)	<28.0	ug/kg	56.1	28.0	1	08/07/17 13:29	08/08/17 08:09	11104-28-2	
PCB-1232 (Aroclor 1232)	<28.0	ug/kg	56.1	28.0	1	08/07/17 13:29	08/08/17 08:09	11141-16-5	
PCB-1242 (Aroclor 1242)	<28.0	ug/kg	56.1	28.0	1	08/07/17 13:29	08/08/17 08:09	53469-21-9	
PCB-1248 (Aroclor 1248)	<28.0	ug/kg	56.1	28.0	1	08/07/17 13:29	08/08/17 08:09	12672-29-6	
PCB-1254 (Aroclor 1254)	<28.0	ug/kg	56.1	28.0	1	08/07/17 13:29	08/08/17 08:09	11097-69-1	
PCB-1260 (Aroclor 1260)	<28.0	ug/kg	56.1	28.0	1	08/07/17 13:29	08/08/17 08:09	11096-82-5	
PCB, Total	<28.0	ug/kg	56.1	28.0	1	08/07/17 13:29	08/08/17 08:09	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	72	%	50-102		1	08/07/17 13:29	08/08/17 08:09	877-09-8	
Decachlorobiphenyl (S)	74	%	53-105		1	08/07/17 13:29	08/08/17 08:09	2051-24-3	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	18.1	mg/kg	10.8	2.3	2	08/08/17 11:12	08/09/17 12:07	7440-38-2	
Barium	108	mg/kg	0.54	0.16	1	08/08/17 11:12	08/09/17 10:44	7440-39-3	
Cadmium	0.88J	mg/kg	1.1	0.29	2	08/08/17 11:12	08/09/17 12:07	7440-43-9	D3
Chromium	12.2	mg/kg	1.1	0.30	1	08/08/17 11:12	08/09/17 10:44	7440-47-3	
Lead	27.5	mg/kg	2.8	0.94	2	08/08/17 11:12	08/09/17 12:07	7439-92-1	
Selenium	<1.2	mg/kg	5.4	1.2	1	08/08/17 11:12	08/09/17 10:44	7782-49-2	
Silver	0.47J	mg/kg	1.1	0.37	1	08/08/17 11:12	08/09/17 10:44	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.067	mg/kg	0.040	0.012	1	08/14/17 07:10	08/15/17 11:46	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<21.2	ug/kg	70.6	21.2	1	08/07/17 14:59	08/08/17 16:17	120-82-1	
1,2-Dichlorobenzene	<58.9	ug/kg	196	58.9	1	08/07/17 14:59	08/08/17 16:17	95-50-1	
1,3-Dichlorobenzene	<25.9	ug/kg	86.5	25.9	1	08/07/17 14:59	08/08/17 16:17	541-73-1	
1,4-Dichlorobenzene	<26.1	ug/kg	87.0	26.1	1	08/07/17 14:59	08/08/17 16:17	106-46-7	
2,2'-Oxybis(1-chloropropane)	<48.3	ug/kg	161	48.3	1	08/07/17 14:59	08/08/17 16:17	108-60-1	
2,4,5-Trichlorophenol	<33.1	ug/kg	110	33.1	1	08/07/17 14:59	08/08/17 16:17	95-95-4	
2,4,6-Trichlorophenol	<28.6	ug/kg	95.2	28.6	1	08/07/17 14:59	08/08/17 16:17	88-06-2	
2,4-Dichlorophenol	<50.1	ug/kg	167	50.1	1	08/07/17 14:59	08/08/17 16:17	120-83-2	
2,4-Dimethylphenol	<37.0	ug/kg	123	37.0	1	08/07/17 14:59	08/08/17 16:17	105-67-9	
2,4-Dinitrophenol	<57.1	ug/kg	190	57.1	1	08/07/17 14:59	08/08/17 16:17	51-28-5	L1
2,4-Dinitrotoluene	<26.8	ug/kg	89.3	26.8	1	08/07/17 14:59	08/08/17 16:17	121-14-2	
2,6-Dinitrotoluene	<35.6	ug/kg	119	35.6	1	08/07/17 14:59	08/08/17 16:17	606-20-2	
2-Chloronaphthalene	<24.0	ug/kg	80.2	24.0	1	08/07/17 14:59	08/08/17 16:17	91-58-7	
2-Chlorophenol	<46.7	ug/kg	156	46.7	1	08/07/17 14:59	08/08/17 16:17	95-57-8	
2-Methylnaphthalene	<48.6	ug/kg	162	48.6	1	08/07/17 14:59	08/08/17 16:17	91-57-6	
2-Methylphenol(o-Cresol)	<34.0	ug/kg	113	34.0	1	08/07/17 14:59	08/08/17 16:17	95-48-7	
2-Nitroaniline	<53.4	ug/kg	178	53.4	1	08/07/17 14:59	08/08/17 16:17	88-74-4	
2-Nitrophenol	<59.1	ug/kg	197	59.1	1	08/07/17 14:59	08/08/17 16:17	88-75-5	
3&4-Methylphenol(m&p Cresol)	<34.3	ug/kg	114	34.3	1	08/07/17 14:59	08/08/17 16:17		
3,3'-Dichlorobenzidine	<50.8	ug/kg	169	50.8	1	08/07/17 14:59	08/08/17 16:17	91-94-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-21 3-3.5'** Lab ID: **40154369010** Collected: 07/31/17 14:50 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<31.9	ug/kg	106	31.9	1	08/07/17 14:59	08/08/17 16:17	99-09-2	
4,6-Dinitro-2-methylphenol	<57.7	ug/kg	192	57.7	1	08/07/17 14:59	08/08/17 16:17	534-52-1	
4-Bromophenylphenyl ether	<39.2	ug/kg	131	39.2	1	08/07/17 14:59	08/08/17 16:17	101-55-3	
4-Chloro-3-methylphenol	<58.3	ug/kg	194	58.3	1	08/07/17 14:59	08/08/17 16:17	59-50-7	
4-Chloroaniline	<30.8	ug/kg	103	30.8	1	08/07/17 14:59	08/08/17 16:17	106-47-8	
4-Chlorophenylphenyl ether	<34.9	ug/kg	116	34.9	1	08/07/17 14:59	08/08/17 16:17	7005-72-3	
4-Nitroaniline	<77.7	ug/kg	259	77.7	1	08/07/17 14:59	08/08/17 16:17	100-01-6	
4-Nitrophenol	<47.2	ug/kg	157	47.2	1	08/07/17 14:59	08/08/17 16:17	100-02-7	
Acenaphthene	<66.4	ug/kg	221	66.4	1	08/07/17 14:59	08/08/17 16:17	83-32-9	
Acenaphthylene	<66.8	ug/kg	223	66.8	1	08/07/17 14:59	08/08/17 16:17	208-96-8	
Anthracene	<29.9	ug/kg	99.8	29.9	1	08/07/17 14:59	08/08/17 16:17	120-12-7	
Benzo(a)anthracene	<29.0	ug/kg	96.7	29.0	1	08/07/17 14:59	08/08/17 16:17	56-55-3	
Benzo(a)pyrene	<28.2	ug/kg	93.9	28.2	1	08/07/17 14:59	08/08/17 16:17	50-32-8	
Benzo(b)fluoranthene	<32.2	ug/kg	107	32.2	1	08/07/17 14:59	08/08/17 16:17	205-99-2	
Benzo(g,h,i)perylene	<49.0	ug/kg	163	49.0	1	08/07/17 14:59	08/08/17 16:17	191-24-2	
Benzo(k)fluoranthene	<44.8	ug/kg	149	44.8	1	08/07/17 14:59	08/08/17 16:17	207-08-9	
Butylbenzylphthalate	<30.0	ug/kg	100	30.0	1	08/07/17 14:59	08/08/17 16:17	85-68-7	
Carbazole	<29.3	ug/kg	97.7	29.3	1	08/07/17 14:59	08/08/17 16:17	86-74-8	
Chrysene	35.4J	ug/kg	93.3	28.0	1	08/07/17 14:59	08/08/17 16:17	218-01-9	
Di-n-butylphthalate	<28.0	ug/kg	93.3	28.0	1	08/07/17 14:59	08/08/17 16:17	84-74-2	
Di-n-octylphthalate	<42.1	ug/kg	140	42.1	1	08/07/17 14:59	08/08/17 16:17	117-84-0	
Dibenz(a,h)anthracene	<50.9	ug/kg	170	50.9	1	08/07/17 14:59	08/08/17 16:17	53-70-3	
Dibenzofuran	<22.7	ug/kg	75.6	22.7	1	08/07/17 14:59	08/08/17 16:17	132-64-9	
Diethylphthalate	<31.1	ug/kg	104	31.1	1	08/07/17 14:59	08/08/17 16:17	84-66-2	
Dimethylphthalate	<24.4	ug/kg	81.2	24.4	1	08/07/17 14:59	08/08/17 16:17	131-11-3	
Fluoranthene	55.6J	ug/kg	88.3	26.5	1	08/07/17 14:59	08/08/17 16:17	206-44-0	
Fluorene	<21.9	ug/kg	73.0	21.9	1	08/07/17 14:59	08/08/17 16:17	86-73-7	
Hexachloro-1,3-butadiene	<47.7	ug/kg	159	47.7	1	08/07/17 14:59	08/08/17 16:17	87-68-3	
Hexachlorobenzene	<31.5	ug/kg	105	31.5	1	08/07/17 14:59	08/08/17 16:17	118-74-1	
Hexachlorocyclopentadiene	<44.3	ug/kg	148	44.3	1	08/07/17 14:59	08/08/17 16:17	77-47-4	
Hexachloroethane	<30.0	ug/kg	99.9	30.0	1	08/07/17 14:59	08/08/17 16:17	67-72-1	
Indeno(1,2,3-cd)pyrene	<40.5	ug/kg	135	40.5	1	08/07/17 14:59	08/08/17 16:17	193-39-5	
Isophorone	<28.8	ug/kg	96.0	28.8	1	08/07/17 14:59	08/08/17 16:17	78-59-1	
N-Nitroso-di-n-propylamine	<29.7	ug/kg	99.0	29.7	1	08/07/17 14:59	08/08/17 16:17	621-64-7	
N-Nitrosodiphenylamine	<254	ug/kg	847	254	1	08/07/17 14:59	08/08/17 16:17	86-30-6	
Naphthalene	<65.5	ug/kg	218	65.5	1	08/07/17 14:59	08/08/17 16:17	91-20-3	
Nitrobenzene	<38.0	ug/kg	127	38.0	1	08/07/17 14:59	08/08/17 16:17	98-95-3	
Pentachlorophenol	<41.2	ug/kg	137	41.2	1	08/07/17 14:59	08/08/17 16:17	87-86-5	
Phenanthrene	146	ug/kg	80.1	24.0	1	08/07/17 14:59	08/08/17 16:17	85-01-8	
Phenol	<44.4	ug/kg	148	44.4	1	08/07/17 14:59	08/08/17 16:17	108-95-2	
Pyrene	<41.5	ug/kg	138	41.5	1	08/07/17 14:59	08/08/17 16:17	129-00-0	
bis(2-Chloroethoxy)methane	<50.4	ug/kg	168	50.4	1	08/07/17 14:59	08/08/17 16:17	111-91-1	
bis(2-Chloroethyl) ether	<58.5	ug/kg	195	58.5	1	08/07/17 14:59	08/08/17 16:17	111-44-4	
bis(2-Ethylhexyl)phthalate	<31.1	ug/kg	104	31.1	1	08/07/17 14:59	08/08/17 16:17	117-81-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-21 3-3.5'** Lab ID: **40154369010** Collected: 07/31/17 14:50 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

Nitrobenzene-d5 (S)	58	%	13-114		1	08/07/17 14:59	08/08/17 16:17	4165-60-0	
2-Fluorobiphenyl (S)	60	%	18-127		1	08/07/17 14:59	08/08/17 16:17	321-60-8	
Terphenyl-d14 (S)	63	%	41-109		1	08/07/17 14:59	08/08/17 16:17	1718-51-0	
Phenol-d6 (S)	46	%	30-97		1	08/07/17 14:59	08/08/17 16:17	13127-88-3	
2-Fluorophenol (S)	47	%	16-103		1	08/07/17 14:59	08/08/17 16:17	367-12-4	
2,4,6-Tribromophenol (S)	71	%	13-143		1	08/07/17 14:59	08/08/17 16:17	118-79-6	

8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Benzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/07/17 08:00	08/07/17 13:44	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/07/17 08:00	08/07/17 13:44	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/07/17 08:00	08/07/17 13:44	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/07/17 08:00	08/07/17 13:44	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	108-20-3	W

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-21 3-3.5'** Lab ID: **40154369010** Collected: 07/31/17 14:50 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/07/17 08:00	08/07/17 13:44	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	79-34-5	W
Tetrachloroethene	64.7J	ug/kg	67.3	28.0	1	08/07/17 08:00	08/07/17 13:44	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/07/17 08:00	08/07/17 13:44	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/07/17 08:00	08/07/17 13:44	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 13:44	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	119	%	68-130		1	08/07/17 08:00	08/07/17 13:44	1868-53-7	
Toluene-d8 (S)	123	%	68-149		1	08/07/17 08:00	08/07/17 13:44	2037-26-5	
4-Bromofluorobenzene (S)	113	%	58-141		1	08/07/17 08:00	08/07/17 13:44	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	10.8	%	0.10	0.10	1		08/14/17 10:58		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

Sample: **SB-24 3-4'** Lab ID: **40154369011** Collected: 07/31/17 16:20 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<28.1	ug/kg	56.3	28.1	1	08/07/17 13:29	08/08/17 08:32	12674-11-2	
PCB-1221 (Aroclor 1221)	<28.1	ug/kg	56.3	28.1	1	08/07/17 13:29	08/08/17 08:32	11104-28-2	
PCB-1232 (Aroclor 1232)	<28.1	ug/kg	56.3	28.1	1	08/07/17 13:29	08/08/17 08:32	11141-16-5	
PCB-1242 (Aroclor 1242)	<28.1	ug/kg	56.3	28.1	1	08/07/17 13:29	08/08/17 08:32	53469-21-9	
PCB-1248 (Aroclor 1248)	<28.1	ug/kg	56.3	28.1	1	08/07/17 13:29	08/08/17 08:32	12672-29-6	
PCB-1254 (Aroclor 1254)	<28.1	ug/kg	56.3	28.1	1	08/07/17 13:29	08/08/17 08:32	11097-69-1	
PCB-1260 (Aroclor 1260)	<28.1	ug/kg	56.3	28.1	1	08/07/17 13:29	08/08/17 08:32	11096-82-5	
PCB, Total	<28.1	ug/kg	56.3	28.1	1	08/07/17 13:29	08/08/17 08:32	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	73	%	50-102		1	08/07/17 13:29	08/08/17 08:32	877-09-8	
Decachlorobiphenyl (S)	74	%	53-105		1	08/07/17 13:29	08/08/17 08:32	2051-24-3	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	6.8	mg/kg	5.6	1.2	1	08/08/17 11:12	08/09/17 10:51	7440-38-2	
Barium	67.5	mg/kg	0.56	0.17	1	08/08/17 11:12	08/09/17 10:51	7440-39-3	
Cadmium	0.33J	mg/kg	0.56	0.15	1	08/08/17 11:12	08/09/17 10:51	7440-43-9	
Chromium	17.5	mg/kg	1.1	0.31	1	08/08/17 11:12	08/09/17 10:51	7440-47-3	
Lead	33.2	mg/kg	1.5	0.49	1	08/08/17 11:12	08/09/17 10:51	7439-92-1	
Selenium	<1.2	mg/kg	5.6	1.2	1	08/08/17 11:12	08/09/17 10:51	7782-49-2	
Silver	<0.39	mg/kg	1.1	0.39	1	08/08/17 11:12	08/09/17 10:51	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.022J	mg/kg	0.037	0.011	1	08/14/17 07:10	08/15/17 11:48	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<21.2	ug/kg	70.8	21.2	1	08/07/17 14:59	08/08/17 17:00	120-82-1	
1,2-Dichlorobenzene	<59.0	ug/kg	197	59.0	1	08/07/17 14:59	08/08/17 17:00	95-50-1	
1,3-Dichlorobenzene	<26.0	ug/kg	86.7	26.0	1	08/07/17 14:59	08/08/17 17:00	541-73-1	
1,4-Dichlorobenzene	<26.2	ug/kg	87.2	26.2	1	08/07/17 14:59	08/08/17 17:00	106-46-7	
2,2'-Oxybis(1-chloropropane)	<48.4	ug/kg	161	48.4	1	08/07/17 14:59	08/08/17 17:00	108-60-1	
2,4,5-Trichlorophenol	<33.2	ug/kg	111	33.2	1	08/07/17 14:59	08/08/17 17:00	95-95-4	
2,4,6-Trichlorophenol	<28.6	ug/kg	95.4	28.6	1	08/07/17 14:59	08/08/17 17:00	88-06-2	
2,4-Dichlorophenol	<50.2	ug/kg	167	50.2	1	08/07/17 14:59	08/08/17 17:00	120-83-2	
2,4-Dimethylphenol	<37.1	ug/kg	124	37.1	1	08/07/17 14:59	08/08/17 17:00	105-67-9	
2,4-Dinitrophenol	<57.2	ug/kg	191	57.2	1	08/07/17 14:59	08/08/17 17:00	51-28-5	L1
2,4-Dinitrotoluene	<26.9	ug/kg	89.5	26.9	1	08/07/17 14:59	08/08/17 17:00	121-14-2	
2,6-Dinitrotoluene	<35.6	ug/kg	119	35.6	1	08/07/17 14:59	08/08/17 17:00	606-20-2	
2-Chloronaphthalene	<24.1	ug/kg	80.4	24.1	1	08/07/17 14:59	08/08/17 17:00	91-58-7	
2-Chlorophenol	<46.9	ug/kg	156	46.9	1	08/07/17 14:59	08/08/17 17:00	95-57-8	
2-Methylnaphthalene	314	ug/kg	163	48.8	1	08/07/17 14:59	08/08/17 17:00	91-57-6	
2-Methylphenol(o-Cresol)	<34.1	ug/kg	114	34.1	1	08/07/17 14:59	08/08/17 17:00	95-48-7	
2-Nitroaniline	<53.5	ug/kg	178	53.5	1	08/07/17 14:59	08/08/17 17:00	88-74-4	
2-Nitrophenol	<59.3	ug/kg	198	59.3	1	08/07/17 14:59	08/08/17 17:00	88-75-5	
3&4-Methylphenol(m&p Cresol)	<34.4	ug/kg	115	34.4	1	08/07/17 14:59	08/08/17 17:00		
3,3'-Dichlorobenzidine	<50.9	ug/kg	170	50.9	1	08/07/17 14:59	08/08/17 17:00	91-94-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-24 3-4'** Lab ID: **40154369011** Collected: 07/31/17 16:20 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<31.9	ug/kg	106	31.9	1	08/07/17 14:59	08/08/17 17:00	99-09-2	
4,6-Dinitro-2-methylphenol	<57.9	ug/kg	193	57.9	1	08/07/17 14:59	08/08/17 17:00	534-52-1	
4-Bromophenylphenyl ether	<39.3	ug/kg	131	39.3	1	08/07/17 14:59	08/08/17 17:00	101-55-3	
4-Chloro-3-methylphenol	<58.4	ug/kg	195	58.4	1	08/07/17 14:59	08/08/17 17:00	59-50-7	
4-Chloroaniline	<30.9	ug/kg	103	30.9	1	08/07/17 14:59	08/08/17 17:00	106-47-8	
4-Chlorophenylphenyl ether	<35.0	ug/kg	117	35.0	1	08/07/17 14:59	08/08/17 17:00	7005-72-3	
4-Nitroaniline	<77.9	ug/kg	260	77.9	1	08/07/17 14:59	08/08/17 17:00	100-01-6	
4-Nitrophenol	<47.3	ug/kg	158	47.3	1	08/07/17 14:59	08/08/17 17:00	100-02-7	
Acenaphthene	109J	ug/kg	222	66.6	1	08/07/17 14:59	08/08/17 17:00	83-32-9	
Acenaphthylene	<67.0	ug/kg	223	67.0	1	08/07/17 14:59	08/08/17 17:00	208-96-8	
Anthracene	272	ug/kg	100	30.0	1	08/07/17 14:59	08/08/17 17:00	120-12-7	
Benzo(a)anthracene	561	ug/kg	96.9	29.1	1	08/07/17 14:59	08/08/17 17:00	56-55-3	
Benzo(a)pyrene	528	ug/kg	94.2	28.3	1	08/07/17 14:59	08/08/17 17:00	50-32-8	
Benzo(b)fluoranthene	655	ug/kg	108	32.3	1	08/07/17 14:59	08/08/17 17:00	205-99-2	
Benzo(g,h,i)perylene	348	ug/kg	164	49.1	1	08/07/17 14:59	08/08/17 17:00	191-24-2	
Benzo(k)fluoranthene	229	ug/kg	150	45.0	1	08/07/17 14:59	08/08/17 17:00	207-08-9	
Butylbenzylphthalate	<30.1	ug/kg	100	30.1	1	08/07/17 14:59	08/08/17 17:00	85-68-7	
Carbazole	124	ug/kg	98.0	29.4	1	08/07/17 14:59	08/08/17 17:00	86-74-8	
Chrysene	578	ug/kg	93.6	28.1	1	08/07/17 14:59	08/08/17 17:00	218-01-9	
Di-n-butylphthalate	<28.1	ug/kg	93.6	28.1	1	08/07/17 14:59	08/08/17 17:00	84-74-2	
Di-n-octylphthalate	<42.2	ug/kg	141	42.2	1	08/07/17 14:59	08/08/17 17:00	117-84-0	
Dibenz(a,h)anthracene	97.6J	ug/kg	170	51.0	1	08/07/17 14:59	08/08/17 17:00	53-70-3	
Dibenzofuran	113	ug/kg	75.8	22.7	1	08/07/17 14:59	08/08/17 17:00	132-64-9	
Diethylphthalate	<31.1	ug/kg	104	31.1	1	08/07/17 14:59	08/08/17 17:00	84-66-2	
Dimethylphthalate	<24.4	ug/kg	81.4	24.4	1	08/07/17 14:59	08/08/17 17:00	131-11-3	
Fluoranthene	1240	ug/kg	88.6	26.6	1	08/07/17 14:59	08/08/17 17:00	206-44-0	
Fluorene	120	ug/kg	73.2	21.9	1	08/07/17 14:59	08/08/17 17:00	86-73-7	
Hexachloro-1,3-butadiene	<47.8	ug/kg	159	47.8	1	08/07/17 14:59	08/08/17 17:00	87-68-3	
Hexachlorobenzene	<31.6	ug/kg	105	31.6	1	08/07/17 14:59	08/08/17 17:00	118-74-1	
Hexachlorocyclopentadiene	<44.4	ug/kg	148	44.4	1	08/07/17 14:59	08/08/17 17:00	77-47-4	
Hexachloroethane	<30.0	ug/kg	100	30.0	1	08/07/17 14:59	08/08/17 17:00	67-72-1	
Indeno(1,2,3-cd)pyrene	388	ug/kg	135	40.6	1	08/07/17 14:59	08/08/17 17:00	193-39-5	
Isophorone	<28.9	ug/kg	96.2	28.9	1	08/07/17 14:59	08/08/17 17:00	78-59-1	
N-Nitroso-di-n-propylamine	<29.8	ug/kg	99.3	29.8	1	08/07/17 14:59	08/08/17 17:00	621-64-7	
N-Nitrosodiphenylamine	<255	ug/kg	849	255	1	08/07/17 14:59	08/08/17 17:00	86-30-6	
Naphthalene	269	ug/kg	219	65.7	1	08/07/17 14:59	08/08/17 17:00	91-20-3	
Nitrobenzene	<38.1	ug/kg	127	38.1	1	08/07/17 14:59	08/08/17 17:00	98-95-3	
Pentachlorophenol	<41.4	ug/kg	138	41.4	1	08/07/17 14:59	08/08/17 17:00	87-86-5	
Phenanthrene	990	ug/kg	80.3	24.1	1	08/07/17 14:59	08/08/17 17:00	85-01-8	
Phenol	<44.6	ug/kg	149	44.6	1	08/07/17 14:59	08/08/17 17:00	108-95-2	
Pyrene	1070	ug/kg	139	41.6	1	08/07/17 14:59	08/08/17 17:00	129-00-0	
bis(2-Chloroethoxy)methane	<50.6	ug/kg	169	50.6	1	08/07/17 14:59	08/08/17 17:00	111-91-1	
bis(2-Chloroethyl) ether	<58.6	ug/kg	195	58.6	1	08/07/17 14:59	08/08/17 17:00	111-44-4	
bis(2-Ethylhexyl)phthalate	<31.2	ug/kg	104	31.2	1	08/07/17 14:59	08/08/17 17:00	117-81-7	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-24 3-4' Lab ID: 40154369011 Collected: 07/31/17 16:20 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Nitrobenzene-d5 (S)	81	%	13-114		1	08/07/17 14:59	08/08/17 17:00	4165-60-0	
2-Fluorobiphenyl (S)	82	%	18-127		1	08/07/17 14:59	08/08/17 17:00	321-60-8	
Terphenyl-d14 (S)	89	%	41-109		1	08/07/17 14:59	08/08/17 17:00	1718-51-0	
Phenol-d6 (S)	72	%	30-97		1	08/07/17 14:59	08/08/17 17:00	13127-88-3	
2-Fluorophenol (S)	72	%	16-103		1	08/07/17 14:59	08/08/17 17:00	367-12-4	
2,4,6-Tribromophenol (S)	83	%	13-143		1	08/07/17 14:59	08/08/17 17:00	118-79-6	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/07/17 08:00	08/07/17 14:07	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/07/17 08:00	08/07/17 14:07	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/07/17 08:00	08/07/17 14:07	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/07/17 08:00	08/07/17 14:07	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	108-20-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-24 3-4'** Lab ID: **40154369011** Collected: 07/31/17 16:20 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	1634-04-4	W
Naphthalene	164J	ug/kg	281	45.1	1	08/07/17 08:00	08/07/17 14:07	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/07/17 08:00	08/07/17 14:07	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/07/17 08:00	08/07/17 14:07	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:07	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	110	%	68-130		1	08/07/17 08:00	08/07/17 14:07	1868-53-7	
Toluene-d8 (S)	112	%	68-149		1	08/07/17 08:00	08/07/17 14:07	2037-26-5	
4-Bromofluorobenzene (S)	100	%	58-141		1	08/07/17 08:00	08/07/17 14:07	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	11.2	%	0.10	0.10	1		08/14/17 10:58		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

Sample: SB-25 3-4' Lab ID: 40154369012 Collected: 07/31/17 17:15 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<30.9	ug/kg	61.8	30.9	1	08/07/17 13:29	08/08/17 08:54	12674-11-2	
PCB-1221 (Aroclor 1221)	<30.9	ug/kg	61.8	30.9	1	08/07/17 13:29	08/08/17 08:54	11104-28-2	
PCB-1232 (Aroclor 1232)	<30.9	ug/kg	61.8	30.9	1	08/07/17 13:29	08/08/17 08:54	11141-16-5	
PCB-1242 (Aroclor 1242)	<30.9	ug/kg	61.8	30.9	1	08/07/17 13:29	08/08/17 08:54	53469-21-9	
PCB-1248 (Aroclor 1248)	<30.9	ug/kg	61.8	30.9	1	08/07/17 13:29	08/08/17 08:54	12672-29-6	
PCB-1254 (Aroclor 1254)	<30.9	ug/kg	61.8	30.9	1	08/07/17 13:29	08/08/17 08:54	11097-69-1	
PCB-1260 (Aroclor 1260)	<30.9	ug/kg	61.8	30.9	1	08/07/17 13:29	08/08/17 08:54	11096-82-5	
PCB, Total	<30.9	ug/kg	61.8	30.9	1	08/07/17 13:29	08/08/17 08:54	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	70	%	50-102		1	08/07/17 13:29	08/08/17 08:54	877-09-8	
Decachlorobiphenyl (S)	72	%	53-105		1	08/07/17 13:29	08/08/17 08:54	2051-24-3	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	10.6J	mg/kg	11.2	2.4	2	08/08/17 11:12	08/09/17 12:09	7440-38-2	D3
Barium	55.2	mg/kg	0.56	0.17	1	08/08/17 11:12	08/09/17 10:54	7440-39-3	
Cadmium	<0.30	mg/kg	1.1	0.30	2	08/08/17 11:12	08/09/17 12:09	7440-43-9	D3
Chromium	12.4	mg/kg	1.1	0.31	1	08/08/17 11:12	08/09/17 10:54	7440-47-3	
Lead	181	mg/kg	2.9	0.97	2	08/08/17 11:12	08/09/17 12:09	7439-92-1	
Selenium	<1.2	mg/kg	5.6	1.2	1	08/08/17 11:12	08/09/17 10:54	7782-49-2	
Silver	0.40J	mg/kg	1.1	0.39	1	08/08/17 11:12	08/09/17 10:54	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.018J	mg/kg	0.042	0.013	1	08/14/17 07:10	08/15/17 11:50	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<234	ug/kg	779	234	10	08/07/17 14:59	08/08/17 15:34	120-82-1	
1,2-Dichlorobenzene	<650	ug/kg	2170	650	10	08/07/17 14:59	08/08/17 15:34	95-50-1	
1,3-Dichlorobenzene	<286	ug/kg	954	286	10	08/07/17 14:59	08/08/17 15:34	541-73-1	
1,4-Dichlorobenzene	<288	ug/kg	960	288	10	08/07/17 14:59	08/08/17 15:34	106-46-7	
2,2'-Oxybis(1-chloropropane)	<533	ug/kg	1780	533	10	08/07/17 14:59	08/08/17 15:34	108-60-1	
2,4,5-Trichlorophenol	<365	ug/kg	1220	365	10	08/07/17 14:59	08/08/17 15:34	95-95-4	
2,4,6-Trichlorophenol	<315	ug/kg	1050	315	10	08/07/17 14:59	08/08/17 15:34	88-06-2	
2,4-Dichlorophenol	<552	ug/kg	1840	552	10	08/07/17 14:59	08/08/17 15:34	120-83-2	
2,4-Dimethylphenol	<409	ug/kg	1360	409	10	08/07/17 14:59	08/08/17 15:34	105-67-9	
2,4-Dinitrophenol	<630	ug/kg	2100	630	10	08/07/17 14:59	08/08/17 15:34	51-28-5	L1
2,4-Dinitrotoluene	<296	ug/kg	985	296	10	08/07/17 14:59	08/08/17 15:34	121-14-2	
2,6-Dinitrotoluene	<392	ug/kg	1310	392	10	08/07/17 14:59	08/08/17 15:34	606-20-2	
2-Chloronaphthalene	<265	ug/kg	884	265	10	08/07/17 14:59	08/08/17 15:34	91-58-7	
2-Chlorophenol	<516	ug/kg	1720	516	10	08/07/17 14:59	08/08/17 15:34	95-57-8	
2-Methylnaphthalene	575J	ug/kg	1790	537	10	08/07/17 14:59	08/08/17 15:34	91-57-6	
2-Methylphenol(o-Cresol)	<375	ug/kg	1250	375	10	08/07/17 14:59	08/08/17 15:34	95-48-7	
2-Nitroaniline	<589	ug/kg	1960	589	10	08/07/17 14:59	08/08/17 15:34	88-74-4	
2-Nitrophenol	<652	ug/kg	2170	652	10	08/07/17 14:59	08/08/17 15:34	88-75-5	
3&4-Methylphenol(m&p Cresol)	<379	ug/kg	1260	379	10	08/07/17 14:59	08/08/17 15:34		
3,3'-Dichlorobenzidine	<561	ug/kg	1870	561	10	08/07/17 14:59	08/08/17 15:34	91-94-1	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-25 3-4' **Lab ID: 40154369012** Collected: 07/31/17 17:15 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<351	ug/kg	1170	351	10	08/07/17 14:59	08/08/17 15:34	99-09-2	
4,6-Dinitro-2-methylphenol	<637	ug/kg	2120	637	10	08/07/17 14:59	08/08/17 15:34	534-52-1	
4-Bromophenylphenyl ether	<433	ug/kg	1440	433	10	08/07/17 14:59	08/08/17 15:34	101-55-3	
4-Chloro-3-methylphenol	<643	ug/kg	2140	643	10	08/07/17 14:59	08/08/17 15:34	59-50-7	
4-Chloroaniline	<340	ug/kg	1130	340	10	08/07/17 14:59	08/08/17 15:34	106-47-8	
4-Chlorophenylphenyl ether	<385	ug/kg	1280	385	10	08/07/17 14:59	08/08/17 15:34	7005-72-3	
4-Nitroaniline	<858	ug/kg	2860	858	10	08/07/17 14:59	08/08/17 15:34	100-01-6	
4-Nitrophenol	<520	ug/kg	1730	520	10	08/07/17 14:59	08/08/17 15:34	100-02-7	
Acenaphthene	1690J	ug/kg	2440	733	10	08/07/17 14:59	08/08/17 15:34	83-32-9	
Acenaphthylene	<737	ug/kg	2460	737	10	08/07/17 14:59	08/08/17 15:34	208-96-8	
Anthracene	4420	ug/kg	1100	330	10	08/07/17 14:59	08/08/17 15:34	120-12-7	
Benzo(a)anthracene	5260	ug/kg	1070	320	10	08/07/17 14:59	08/08/17 15:34	56-55-3	
Benzo(a)pyrene	3960	ug/kg	1040	311	10	08/07/17 14:59	08/08/17 15:34	50-32-8	
Benzo(b)fluoranthene	5310	ug/kg	1180	355	10	08/07/17 14:59	08/08/17 15:34	205-99-2	
Benzo(g,h,i)perylene	2260	ug/kg	1800	541	10	08/07/17 14:59	08/08/17 15:34	191-24-2	
Benzo(k)fluoranthene	1910	ug/kg	1650	495	10	08/07/17 14:59	08/08/17 15:34	207-08-9	
Butylbenzylphthalate	<331	ug/kg	1100	331	10	08/07/17 14:59	08/08/17 15:34	85-68-7	
Carbazole	2060	ug/kg	1080	324	10	08/07/17 14:59	08/08/17 15:34	86-74-8	
Chrysene	5510	ug/kg	1030	309	10	08/07/17 14:59	08/08/17 15:34	218-01-9	
Di-n-butylphthalate	<309	ug/kg	1030	309	10	08/07/17 14:59	08/08/17 15:34	84-74-2	
Di-n-octylphthalate	<465	ug/kg	1550	465	10	08/07/17 14:59	08/08/17 15:34	117-84-0	
Dibenz(a,h)anthracene	631J	ug/kg	1870	561	10	08/07/17 14:59	08/08/17 15:34	53-70-3	
Dibenzofuran	1260	ug/kg	834	250	10	08/07/17 14:59	08/08/17 15:34	132-64-9	
Diethylphthalate	<343	ug/kg	1140	343	10	08/07/17 14:59	08/08/17 15:34	84-66-2	
Dimethylphthalate	<269	ug/kg	896	269	10	08/07/17 14:59	08/08/17 15:34	131-11-3	
Fluoranthene	14400	ug/kg	975	292	10	08/07/17 14:59	08/08/17 15:34	206-44-0	
Fluorene	2210	ug/kg	805	242	10	08/07/17 14:59	08/08/17 15:34	86-73-7	
Hexachloro-1,3-butadiene	<526	ug/kg	1750	526	10	08/07/17 14:59	08/08/17 15:34	87-68-3	
Hexachlorobenzene	<348	ug/kg	1160	348	10	08/07/17 14:59	08/08/17 15:34	118-74-1	
Hexachlorocyclopentadiene	<489	ug/kg	1630	489	10	08/07/17 14:59	08/08/17 15:34	77-47-4	
Hexachloroethane	<331	ug/kg	1100	331	10	08/07/17 14:59	08/08/17 15:34	67-72-1	
Indeno(1,2,3-cd)pyrene	2700	ug/kg	1490	447	10	08/07/17 14:59	08/08/17 15:34	193-39-5	
Isophorone	<318	ug/kg	1060	318	10	08/07/17 14:59	08/08/17 15:34	78-59-1	
N-Nitroso-di-n-propylamine	<328	ug/kg	1090	328	10	08/07/17 14:59	08/08/17 15:34	621-64-7	
N-Nitrosodiphenylamine	<2800	ug/kg	9350	2800	10	08/07/17 14:59	08/08/17 15:34	86-30-6	
Naphthalene	<723	ug/kg	2410	723	10	08/07/17 14:59	08/08/17 15:34	91-20-3	
Nitrobenzene	<419	ug/kg	1400	419	10	08/07/17 14:59	08/08/17 15:34	98-95-3	
Pentachlorophenol	<455	ug/kg	1520	455	10	08/07/17 14:59	08/08/17 15:34	87-86-5	
Phenanthrene	15900	ug/kg	884	265	10	08/07/17 14:59	08/08/17 15:34	85-01-8	
Phenol	<490	ug/kg	1630	490	10	08/07/17 14:59	08/08/17 15:34	108-95-2	
Pyrene	10700	ug/kg	1530	458	10	08/07/17 14:59	08/08/17 15:34	129-00-0	
bis(2-Chloroethoxy)methane	<557	ug/kg	1860	557	10	08/07/17 14:59	08/08/17 15:34	111-91-1	
bis(2-Chloroethyl) ether	<645	ug/kg	2150	645	10	08/07/17 14:59	08/08/17 15:34	111-44-4	
bis(2-Ethylhexyl)phthalate	<344	ug/kg	1150	344	10	08/07/17 14:59	08/08/17 15:34	117-81-7	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-25 3-4' Lab ID: 40154369012 Collected: 07/31/17 17:15 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Nitrobenzene-d5 (S)	84	%	13-114		10	08/07/17 14:59	08/08/17 15:34	4165-60-0	
2-Fluorobiphenyl (S)	85	%	18-127		10	08/07/17 14:59	08/08/17 15:34	321-60-8	
Terphenyl-d14 (S)	100	%	41-109		10	08/07/17 14:59	08/08/17 15:34	1718-51-0	
Phenol-d6 (S)	76	%	30-97		10	08/07/17 14:59	08/08/17 15:34	13127-88-3	
2-Fluorophenol (S)	79	%	16-103		10	08/07/17 14:59	08/08/17 15:34	367-12-4	
2,4,6-Tribromophenol (S)	93	%	13-143		10	08/07/17 14:59	08/08/17 15:34	118-79-6	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/07/17 08:00	08/07/17 14:30	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/07/17 08:00	08/07/17 14:30	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/07/17 08:00	08/07/17 14:30	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/07/17 08:00	08/07/17 14:30	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	108-20-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-25 3-4'** Lab ID: **40154369012** Collected: 07/31/17 17:15 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	1634-04-4	W
Naphthalene	71.2J	ug/kg	309	49.5	1	08/07/17 08:00	08/07/17 14:30	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	127-18-4	W
Toluene	61.7J	ug/kg	74.2	30.9	1	08/07/17 08:00	08/07/17 14:30	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/07/17 08:00	08/07/17 14:30	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:30	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/07/17 08:00	08/07/17 14:30	179601-23-1	W
o-Xylene	40.7J	ug/kg	74.2	30.9	1	08/07/17 08:00	08/07/17 14:30	95-47-6	
Surrogates									
Dibromofluoromethane (S)	123	%	68-130		1	08/07/17 08:00	08/07/17 14:30	1868-53-7	
Toluene-d8 (S)	128	%	68-149		1	08/07/17 08:00	08/07/17 14:30	2037-26-5	
4-Bromofluorobenzene (S)	113	%	58-141		1	08/07/17 08:00	08/07/17 14:30	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	19.1	%	0.10	0.10	1		08/14/17 10:58		
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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-43 3-4' Lab ID: 40154369013 Collected: 08/01/17 09:30 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	10	mg/kg	1.5	0.50	1	08/08/17 16:20	08/09/17 17:42	7439-92-1	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	<5.0	ug/kg	16.5	5.0	1	08/10/17 09:07	08/14/17 17:38	83-32-9	
Acenaphthylene	<4.2	ug/kg	14.1	4.2	1	08/10/17 09:07	08/14/17 17:38	208-96-8	
Anthracene	<7.3	ug/kg	24.3	7.3	1	08/10/17 09:07	08/14/17 17:38	120-12-7	
Benzo(a)anthracene	<4.1	ug/kg	13.6	4.1	1	08/10/17 09:07	08/14/17 17:38	56-55-3	
Benzo(a)pyrene	<3.2	ug/kg	10.7	3.2	1	08/10/17 09:07	08/14/17 17:38	50-32-8	
Benzo(b)fluoranthene	<3.6	ug/kg	12.0	3.6	1	08/10/17 09:07	08/14/17 17:38	205-99-2	
Benzo(g,h,i)perylene	<2.6	ug/kg	8.7	2.6	1	08/10/17 09:07	08/14/17 17:38	191-24-2	
Benzo(k)fluoranthene	<3.2	ug/kg	10.7	3.2	1	08/10/17 09:07	08/14/17 17:38	207-08-9	
Chrysene	<4.3	ug/kg	14.3	4.3	1	08/10/17 09:07	08/14/17 17:38	218-01-9	
Dibenz(a,h)anthracene	<2.9	ug/kg	9.5	2.9	1	08/10/17 09:07	08/14/17 17:38	53-70-3	
Fluoranthene	<6.7	ug/kg	22.3	6.7	1	08/10/17 09:07	08/14/17 17:38	206-44-0	
Fluorene	<5.3	ug/kg	17.7	5.3	1	08/10/17 09:07	08/14/17 17:38	86-73-7	
Indeno(1,2,3-cd)pyrene	<2.8	ug/kg	9.4	2.8	1	08/10/17 09:07	08/14/17 17:38	193-39-5	
1-Methylnaphthalene	<5.2	ug/kg	17.2	5.2	1	08/10/17 09:07	08/14/17 17:38	90-12-0	
2-Methylnaphthalene	<6.4	ug/kg	21.4	6.4	1	08/10/17 09:07	08/14/17 17:38	91-57-6	
Naphthalene	<10.8	ug/kg	36.0	10.8	1	08/10/17 09:07	08/14/17 17:38	91-20-3	
Phenanthrene	<14.9	ug/kg	49.7	14.9	1	08/10/17 09:07	08/14/17 17:38	85-01-8	
Pyrene	<5.8	ug/kg	19.2	5.8	1	08/10/17 09:07	08/14/17 17:38	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	58	%	19-96		1	08/10/17 09:07	08/14/17 17:38	321-60-8	
Terphenyl-d14 (S)	69	%	31-98		1	08/10/17 09:07	08/14/17 17:38	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/07/17 08:00	08/07/17 14:52	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/07/17 08:00	08/07/17 14:52	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/07/17 08:00	08/07/17 14:52	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/07/17 08:00	08/07/17 14:52	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	106-93-4	W

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-43 3-4' Lab ID: 40154369013 Collected: 08/01/17 09:30 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/07/17 08:00	08/07/17 14:52	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/07/17 08:00	08/07/17 14:52	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/07/17 08:00	08/07/17 14:52	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 14:52	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	113	%	68-130		1	08/07/17 08:00	08/07/17 14:52	1868-53-7	
Toluene-d8 (S)	117	%	68-149		1	08/07/17 08:00	08/07/17 14:52	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-43 3-4' **Lab ID: 40154369013** Collected: 08/01/17 09:30 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	105	%	58-141		1	08/07/17 08:00	08/07/17 14:52	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	21.9	%	0.10	0.10	1		08/14/17 10:58		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-44 2-3'** Lab ID: **40154369014** Collected: 08/01/17 10:35 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Lead	29.9	mg/kg	1.3	0.42	1	08/08/17 16:20	08/09/17 17:44	7439-92-1	
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Acenaphthene	13.3J	ug/kg	14.4	4.3	1	08/10/17 09:07	08/15/17 16:45	83-32-9	
Acenaphthylene	4.5J	ug/kg	12.3	3.7	1	08/10/17 09:07	08/15/17 16:45	208-96-8	
Anthracene	25.8	ug/kg	21.3	6.4	1	08/10/17 09:07	08/15/17 16:45	120-12-7	
Benzo(a)anthracene	48.6	ug/kg	11.9	3.5	1	08/10/17 09:07	08/15/17 16:45	56-55-3	
Benzo(a)pyrene	66.7	ug/kg	9.4	2.8	1	08/10/17 09:07	08/15/17 16:45	50-32-8	
Benzo(b)fluoranthene	59.0	ug/kg	10.5	3.2	1	08/10/17 09:07	08/15/17 16:45	205-99-2	
Benzo(g,h,i)perylene	72.9	ug/kg	7.6	2.3	1	08/10/17 09:07	08/15/17 16:45	191-24-2	
Benzo(k)fluoranthene	58.8	ug/kg	9.4	2.8	1	08/10/17 09:07	08/15/17 16:45	207-08-9	
Chrysene	61.6	ug/kg	12.5	3.8	1	08/10/17 09:07	08/15/17 16:45	218-01-9	
Dibenz(a,h)anthracene	19.6	ug/kg	8.3	2.5	1	08/10/17 09:07	08/15/17 16:45	53-70-3	
Fluoranthene	130	ug/kg	19.5	5.8	1	08/10/17 09:07	08/15/17 16:45	206-44-0	
Fluorene	11.8J	ug/kg	15.4	4.6	1	08/10/17 09:07	08/15/17 16:45	86-73-7	
Indeno(1,2,3-cd)pyrene	53.7	ug/kg	8.2	2.5	1	08/10/17 09:07	08/15/17 16:45	193-39-5	
1-Methylnaphthalene	8.7J	ug/kg	15.0	4.5	1	08/10/17 09:07	08/15/17 16:45	90-12-0	
2-Methylnaphthalene	17.6J	ug/kg	18.7	5.6	1	08/10/17 09:07	08/15/17 16:45	91-57-6	
Naphthalene	47.0	ug/kg	31.4	9.4	1	08/10/17 09:07	08/15/17 16:45	91-20-3	
Phenanthrene	83.7	ug/kg	43.4	13.0	1	08/10/17 09:07	08/15/17 16:45	85-01-8	
Pyrene	108	ug/kg	16.8	5.0	1	08/10/17 09:07	08/15/17 16:45	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	40	%	19-96		1	08/10/17 09:07	08/15/17 16:45	321-60-8	
Terphenyl-d14 (S)	44	%	31-98		1	08/10/17 09:07	08/15/17 16:45	1718-51-0	
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/07/17 08:00	08/07/17 15:15	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/07/17 08:00	08/07/17 15:15	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/07/17 08:00	08/07/17 15:15	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/07/17 08:00	08/07/17 15:15	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	106-93-4	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-44 2-3'** Lab ID: **40154369014** Collected: 08/01/17 10:35 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	1634-04-4	W
Naphthalene	304	ug/kg	280	44.8	1	08/07/17 08:00	08/07/17 15:15	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/07/17 08:00	08/07/17 15:15	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	96-18-4	W
1,2,4-Trimethylbenzene	29.1J	ug/kg	67.1	28.0	1	08/07/17 08:00	08/07/17 15:15	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/07/17 08:00	08/07/17 15:15	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:15	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	111	%	68-130		1	08/07/17 08:00	08/07/17 15:15	1868-53-7	
Toluene-d8 (S)	114	%	68-149		1	08/07/17 08:00	08/07/17 15:15	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-44 2-3' **Lab ID: 40154369014** Collected: 08/01/17 10:35 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
4-Bromofluorobenzene (S)	104	%	58-141		1	08/07/17 08:00	08/07/17 15:15	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	10.6	%	0.10	0.10	1		08/14/17 10:58		

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-48 1-2'** Lab ID: **40154369015** Collected: 08/01/17 11:20 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<31.2	ug/kg	62.3	31.2	1	08/08/17 13:03	08/10/17 14:18	12674-11-2	
PCB-1221 (Aroclor 1221)	<31.2	ug/kg	62.3	31.2	1	08/08/17 13:03	08/10/17 14:18	11104-28-2	
PCB-1232 (Aroclor 1232)	<31.2	ug/kg	62.3	31.2	1	08/08/17 13:03	08/10/17 14:18	11141-16-5	
PCB-1242 (Aroclor 1242)	<31.2	ug/kg	62.3	31.2	1	08/08/17 13:03	08/10/17 14:18	53469-21-9	
PCB-1248 (Aroclor 1248)	<31.2	ug/kg	62.3	31.2	1	08/08/17 13:03	08/10/17 14:18	12672-29-6	
PCB-1254 (Aroclor 1254)	<31.2	ug/kg	62.3	31.2	1	08/08/17 13:03	08/10/17 14:18	11097-69-1	
PCB-1260 (Aroclor 1260)	<31.2	ug/kg	62.3	31.2	1	08/08/17 13:03	08/10/17 14:18	11096-82-5	
PCB, Total	<31.2	ug/kg	62.3	31.2	1	08/08/17 13:03	08/10/17 14:18	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	73	%	50-102		1	08/08/17 13:03	08/10/17 14:18	877-09-8	
Decachlorobiphenyl (S)	81	%	53-105		1	08/08/17 13:03	08/10/17 14:18	2051-24-3	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	6.0	mg/kg	5.7	1.2	1	08/08/17 11:12	08/09/17 10:56	7440-38-2	
Barium	172	mg/kg	0.57	0.17	1	08/08/17 11:12	08/09/17 10:56	7440-39-3	
Cadmium	<0.15	mg/kg	0.57	0.15	1	08/08/17 11:12	08/09/17 10:56	7440-43-9	
Chromium	23.1	mg/kg	1.1	0.32	1	08/08/17 11:12	08/09/17 10:56	7440-47-3	
Lead	11.0	mg/kg	1.5	0.49	1	08/08/17 11:12	08/09/17 10:56	7439-92-1	
Selenium	<1.3	mg/kg	5.7	1.3	1	08/08/17 11:12	08/09/17 10:56	7782-49-2	
Silver	<0.39	mg/kg	1.1	0.39	1	08/08/17 11:12	08/09/17 10:56	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.029J	mg/kg	0.044	0.013	1	08/14/17 07:10	08/15/17 11:53	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<23.6	ug/kg	78.5	23.6	1	08/07/17 14:59	08/08/17 16:39	120-82-1	
1,2-Dichlorobenzene	<65.5	ug/kg	218	65.5	1	08/07/17 14:59	08/08/17 16:39	95-50-1	
1,3-Dichlorobenzene	<28.9	ug/kg	96.2	28.9	1	08/07/17 14:59	08/08/17 16:39	541-73-1	
1,4-Dichlorobenzene	<29.0	ug/kg	96.8	29.0	1	08/07/17 14:59	08/08/17 16:39	106-46-7	
2,2'-Oxybis(1-chloropropane)	<53.7	ug/kg	179	53.7	1	08/07/17 14:59	08/08/17 16:39	108-60-1	
2,4,5-Trichlorophenol	<36.8	ug/kg	123	36.8	1	08/07/17 14:59	08/08/17 16:39	95-95-4	
2,4,6-Trichlorophenol	<31.8	ug/kg	106	31.8	1	08/07/17 14:59	08/08/17 16:39	88-06-2	
2,4-Dichlorophenol	<55.7	ug/kg	186	55.7	1	08/07/17 14:59	08/08/17 16:39	120-83-2	
2,4-Dimethylphenol	<41.2	ug/kg	137	41.2	1	08/07/17 14:59	08/08/17 16:39	105-67-9	
2,4-Dinitrophenol	<63.5	ug/kg	212	63.5	1	08/07/17 14:59	08/08/17 16:39	51-28-5	L1
2,4-Dinitrotoluene	<29.8	ug/kg	99.3	29.8	1	08/07/17 14:59	08/08/17 16:39	121-14-2	
2,6-Dinitrotoluene	<39.6	ug/kg	132	39.6	1	08/07/17 14:59	08/08/17 16:39	606-20-2	
2-Chloronaphthalene	<26.7	ug/kg	89.2	26.7	1	08/07/17 14:59	08/08/17 16:39	91-58-7	
2-Chlorophenol	<52.0	ug/kg	173	52.0	1	08/07/17 14:59	08/08/17 16:39	95-57-8	
2-Methylnaphthalene	<54.1	ug/kg	180	54.1	1	08/07/17 14:59	08/08/17 16:39	91-57-6	
2-Methylphenol(o-Cresol)	<37.9	ug/kg	126	37.9	1	08/07/17 14:59	08/08/17 16:39	95-48-7	
2-Nitroaniline	<59.4	ug/kg	198	59.4	1	08/07/17 14:59	08/08/17 16:39	88-74-4	
2-Nitrophenol	<65.8	ug/kg	219	65.8	1	08/07/17 14:59	08/08/17 16:39	88-75-5	
3&4-Methylphenol(m&p Cresol)	<38.2	ug/kg	127	38.2	1	08/07/17 14:59	08/08/17 16:39		
3,3'-Dichlorobenzidine	<56.5	ug/kg	188	56.5	1	08/07/17 14:59	08/08/17 16:39	91-94-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

Sample: SB-48 1-2' Lab ID: 40154369015 Collected: 08/01/17 11:20 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<35.4	ug/kg	118	35.4	1	08/07/17 14:59	08/08/17 16:39	99-09-2	
4,6-Dinitro-2-methylphenol	<64.2	ug/kg	214	64.2	1	08/07/17 14:59	08/08/17 16:39	534-52-1	
4-Bromophenylphenyl ether	<43.6	ug/kg	145	43.6	1	08/07/17 14:59	08/08/17 16:39	101-55-3	
4-Chloro-3-methylphenol	<64.8	ug/kg	216	64.8	1	08/07/17 14:59	08/08/17 16:39	59-50-7	
4-Chloroaniline	<34.2	ug/kg	114	34.2	1	08/07/17 14:59	08/08/17 16:39	106-47-8	
4-Chlorophenylphenyl ether	<38.8	ug/kg	129	38.8	1	08/07/17 14:59	08/08/17 16:39	7005-72-3	
4-Nitroaniline	<86.5	ug/kg	288	86.5	1	08/07/17 14:59	08/08/17 16:39	100-01-6	
4-Nitrophenol	<52.5	ug/kg	175	52.5	1	08/07/17 14:59	08/08/17 16:39	100-02-7	
Acenaphthene	<73.9	ug/kg	246	73.9	1	08/07/17 14:59	08/08/17 16:39	83-32-9	
Acenaphthylene	<74.3	ug/kg	248	74.3	1	08/07/17 14:59	08/08/17 16:39	208-96-8	
Anthracene	<33.3	ug/kg	111	33.3	1	08/07/17 14:59	08/08/17 16:39	120-12-7	
Benzo(a)anthracene	<32.3	ug/kg	108	32.3	1	08/07/17 14:59	08/08/17 16:39	56-55-3	
Benzo(a)pyrene	<31.3	ug/kg	104	31.3	1	08/07/17 14:59	08/08/17 16:39	50-32-8	
Benzo(b)fluoranthene	<35.8	ug/kg	119	35.8	1	08/07/17 14:59	08/08/17 16:39	205-99-2	
Benzo(g,h,i)perylene	<54.5	ug/kg	182	54.5	1	08/07/17 14:59	08/08/17 16:39	191-24-2	
Benzo(k)fluoranthene	<49.9	ug/kg	166	49.9	1	08/07/17 14:59	08/08/17 16:39	207-08-9	
Butylbenzylphthalate	<33.4	ug/kg	111	33.4	1	08/07/17 14:59	08/08/17 16:39	85-68-7	
Carbazole	<32.6	ug/kg	109	32.6	1	08/07/17 14:59	08/08/17 16:39	86-74-8	
Chrysene	<31.2	ug/kg	104	31.2	1	08/07/17 14:59	08/08/17 16:39	218-01-9	
Di-n-butylphthalate	<31.1	ug/kg	104	31.1	1	08/07/17 14:59	08/08/17 16:39	84-74-2	
Di-n-octylphthalate	<46.8	ug/kg	156	46.8	1	08/07/17 14:59	08/08/17 16:39	117-84-0	
Dibenz(a,h)anthracene	<56.6	ug/kg	189	56.6	1	08/07/17 14:59	08/08/17 16:39	53-70-3	
Dibenzofuran	<25.2	ug/kg	84.1	25.2	1	08/07/17 14:59	08/08/17 16:39	132-64-9	
Diethylphthalate	<34.5	ug/kg	115	34.5	1	08/07/17 14:59	08/08/17 16:39	84-66-2	
Dimethylphthalate	<27.1	ug/kg	90.3	27.1	1	08/07/17 14:59	08/08/17 16:39	131-11-3	
Fluoranthene	<29.5	ug/kg	98.3	29.5	1	08/07/17 14:59	08/08/17 16:39	206-44-0	
Fluorene	<24.4	ug/kg	81.2	24.4	1	08/07/17 14:59	08/08/17 16:39	86-73-7	
Hexachloro-1,3-butadiene	<53.1	ug/kg	177	53.1	1	08/07/17 14:59	08/08/17 16:39	87-68-3	
Hexachlorobenzene	<35.0	ug/kg	117	35.0	1	08/07/17 14:59	08/08/17 16:39	118-74-1	
Hexachlorocyclopentadiene	<49.3	ug/kg	164	49.3	1	08/07/17 14:59	08/08/17 16:39	77-47-4	
Hexachloroethane	<33.3	ug/kg	111	33.3	1	08/07/17 14:59	08/08/17 16:39	67-72-1	
Indeno(1,2,3-cd)pyrene	<45.1	ug/kg	150	45.1	1	08/07/17 14:59	08/08/17 16:39	193-39-5	
Isophorone	<32.0	ug/kg	107	32.0	1	08/07/17 14:59	08/08/17 16:39	78-59-1	
N-Nitroso-di-n-propylamine	<33.0	ug/kg	110	33.0	1	08/07/17 14:59	08/08/17 16:39	621-64-7	
N-Nitrosodiphenylamine	<283	ug/kg	942	283	1	08/07/17 14:59	08/08/17 16:39	86-30-6	
Naphthalene	<72.9	ug/kg	243	72.9	1	08/07/17 14:59	08/08/17 16:39	91-20-3	
Nitrobenzene	<42.3	ug/kg	141	42.3	1	08/07/17 14:59	08/08/17 16:39	98-95-3	
Pentachlorophenol	<45.9	ug/kg	153	45.9	1	08/07/17 14:59	08/08/17 16:39	87-86-5	
Phenanthrene	<26.7	ug/kg	89.1	26.7	1	08/07/17 14:59	08/08/17 16:39	85-01-8	
Phenol	<49.4	ug/kg	165	49.4	1	08/07/17 14:59	08/08/17 16:39	108-95-2	
Pyrene	<46.2	ug/kg	154	46.2	1	08/07/17 14:59	08/08/17 16:39	129-00-0	
bis(2-Chloroethoxy)methane	<56.1	ug/kg	187	56.1	1	08/07/17 14:59	08/08/17 16:39	111-91-1	
bis(2-Chloroethyl) ether	<65.0	ug/kg	217	65.0	1	08/07/17 14:59	08/08/17 16:39	111-44-4	
bis(2-Ethylhexyl)phthalate	<34.6	ug/kg	115	34.6	1	08/07/17 14:59	08/08/17 16:39	117-81-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-48 1-2' Lab ID: 40154369015 Collected: 08/01/17 11:20 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

Nitrobenzene-d5 (S)	74	%	13-114		1	08/07/17 14:59	08/08/17 16:39	4165-60-0	
2-Fluorobiphenyl (S)	59	%	18-127		1	08/07/17 14:59	08/08/17 16:39	321-60-8	
Terphenyl-d14 (S)	74	%	41-109		1	08/07/17 14:59	08/08/17 16:39	1718-51-0	
Phenol-d6 (S)	68	%	30-97		1	08/07/17 14:59	08/08/17 16:39	13127-88-3	
2-Fluorophenol (S)	70	%	16-103		1	08/07/17 14:59	08/08/17 16:39	367-12-4	
2,4,6-Tribromophenol (S)	74	%	13-143		1	08/07/17 14:59	08/08/17 16:39	118-79-6	

8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Benzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/07/17 08:00	08/07/17 15:38	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/07/17 08:00	08/07/17 15:38	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/07/17 08:00	08/07/17 15:38	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/07/17 08:00	08/07/17 15:38	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	108-20-3	W

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-48 1-2' Lab ID: 40154369015 Collected: 08/01/17 11:20 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/07/17 08:00	08/07/17 15:38	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/07/17 08:00	08/07/17 15:38	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/07/17 08:00	08/07/17 15:38	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 15:38	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	107	%	68-130		1	08/07/17 08:00	08/07/17 15:38	1868-53-7	
Toluene-d8 (S)	109	%	68-149		1	08/07/17 08:00	08/07/17 15:38	2037-26-5	
4-Bromofluorobenzene (S)	97	%	58-141		1	08/07/17 08:00	08/07/17 15:38	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	19.8	%	0.10	0.10	1		08/14/17 10:58		

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-47 2-2.5'** Lab ID: **40154369016** Collected: 08/01/17 12:30 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<31.4	ug/kg	62.8	31.4	1	08/08/17 13:03	08/10/17 14:39	12674-11-2	
PCB-1221 (Aroclor 1221)	<31.4	ug/kg	62.8	31.4	1	08/08/17 13:03	08/10/17 14:39	11104-28-2	
PCB-1232 (Aroclor 1232)	<31.4	ug/kg	62.8	31.4	1	08/08/17 13:03	08/10/17 14:39	11141-16-5	
PCB-1242 (Aroclor 1242)	<31.4	ug/kg	62.8	31.4	1	08/08/17 13:03	08/10/17 14:39	53469-21-9	
PCB-1248 (Aroclor 1248)	<31.4	ug/kg	62.8	31.4	1	08/08/17 13:03	08/10/17 14:39	12672-29-6	
PCB-1254 (Aroclor 1254)	<31.4	ug/kg	62.8	31.4	1	08/08/17 13:03	08/10/17 14:39	11097-69-1	
PCB-1260 (Aroclor 1260)	<31.4	ug/kg	62.8	31.4	1	08/08/17 13:03	08/10/17 14:39	11096-82-5	
PCB, Total	<31.4	ug/kg	62.8	31.4	1	08/08/17 13:03	08/10/17 14:39	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	79	%	50-102		1	08/08/17 13:03	08/10/17 14:39	877-09-8	
Decachlorobiphenyl (S)	83	%	53-105		1	08/08/17 13:03	08/10/17 14:39	2051-24-3	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	7.4	mg/kg	5.6	1.2	1	08/08/17 11:12	08/09/17 10:59	7440-38-2	
Barium	4200	mg/kg	5.6	1.7	10	08/08/17 11:12	08/09/17 17:47	7440-39-3	
Cadmium	0.64	mg/kg	0.56	0.15	1	08/08/17 11:12	08/09/17 10:59	7440-43-9	
Chromium	15.3	mg/kg	1.1	0.31	1	08/08/17 11:12	08/09/17 10:59	7440-47-3	
Lead	93.2	mg/kg	1.4	0.48	1	08/08/17 11:12	08/09/17 10:59	7439-92-1	
Selenium	<1.2	mg/kg	5.6	1.2	1	08/08/17 11:12	08/09/17 10:59	7782-49-2	
Silver	<0.38	mg/kg	1.1	0.38	1	08/08/17 11:12	08/09/17 10:59	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.044J	mg/kg	0.046	0.014	1	08/14/17 07:10	08/15/17 11:55	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<23.7	ug/kg	79.1	23.7	1	08/07/17 14:59	08/08/17 17:22	120-82-1	
1,2-Dichlorobenzene	<66.0	ug/kg	220	66.0	1	08/07/17 14:59	08/08/17 17:22	95-50-1	
1,3-Dichlorobenzene	<29.1	ug/kg	96.9	29.1	1	08/07/17 14:59	08/08/17 17:22	541-73-1	
1,4-Dichlorobenzene	<29.2	ug/kg	97.5	29.2	1	08/07/17 14:59	08/08/17 17:22	106-46-7	
2,2'-Oxybis(1-chloropropane)	<54.1	ug/kg	180	54.1	1	08/07/17 14:59	08/08/17 17:22	108-60-1	
2,4,5-Trichlorophenol	<37.1	ug/kg	124	37.1	1	08/07/17 14:59	08/08/17 17:22	95-95-4	
2,4,6-Trichlorophenol	<32.0	ug/kg	107	32.0	1	08/07/17 14:59	08/08/17 17:22	88-06-2	
2,4-Dichlorophenol	<56.1	ug/kg	187	56.1	1	08/07/17 14:59	08/08/17 17:22	120-83-2	
2,4-Dimethylphenol	<41.5	ug/kg	138	41.5	1	08/07/17 14:59	08/08/17 17:22	105-67-9	
2,4-Dinitrophenol	<63.9	ug/kg	213	63.9	1	08/07/17 14:59	08/08/17 17:22	51-28-5	L1
2,4-Dinitrotoluene	<30.0	ug/kg	100	30.0	1	08/07/17 14:59	08/08/17 17:22	121-14-2	
2,6-Dinitrotoluene	<39.8	ug/kg	133	39.8	1	08/07/17 14:59	08/08/17 17:22	606-20-2	
2-Chloronaphthalene	<26.9	ug/kg	89.8	26.9	1	08/07/17 14:59	08/08/17 17:22	91-58-7	
2-Chlorophenol	<52.4	ug/kg	175	52.4	1	08/07/17 14:59	08/08/17 17:22	95-57-8	
2-Methylnaphthalene	<54.5	ug/kg	182	54.5	1	08/07/17 14:59	08/08/17 17:22	91-57-6	
2-Methylphenol(o-Cresol)	<38.1	ug/kg	127	38.1	1	08/07/17 14:59	08/08/17 17:22	95-48-7	
2-Nitroaniline	<59.8	ug/kg	199	59.8	1	08/07/17 14:59	08/08/17 17:22	88-74-4	
2-Nitrophenol	<66.2	ug/kg	221	66.2	1	08/07/17 14:59	08/08/17 17:22	88-75-5	
3&4-Methylphenol(m&p Cresol)	48.0J	ug/kg	128	38.5	1	08/07/17 14:59	08/08/17 17:22		
3,3'-Dichlorobenzidine	<56.9	ug/kg	190	56.9	1	08/07/17 14:59	08/08/17 17:22	91-94-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-47 2-2.5'** Lab ID: **40154369016** Collected: 08/01/17 12:30 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<35.7	ug/kg	119	35.7	1	08/07/17 14:59	08/08/17 17:22	99-09-2	
4,6-Dinitro-2-methylphenol	<64.7	ug/kg	216	64.7	1	08/07/17 14:59	08/08/17 17:22	534-52-1	
4-Bromophenylphenyl ether	<44.0	ug/kg	146	44.0	1	08/07/17 14:59	08/08/17 17:22	101-55-3	
4-Chloro-3-methylphenol	<65.3	ug/kg	218	65.3	1	08/07/17 14:59	08/08/17 17:22	59-50-7	
4-Chloroaniline	<34.5	ug/kg	115	34.5	1	08/07/17 14:59	08/08/17 17:22	106-47-8	
4-Chlorophenylphenyl ether	<39.1	ug/kg	130	39.1	1	08/07/17 14:59	08/08/17 17:22	7005-72-3	
4-Nitroaniline	<87.1	ug/kg	290	87.1	1	08/07/17 14:59	08/08/17 17:22	100-01-6	
4-Nitrophenol	<52.8	ug/kg	176	52.8	1	08/07/17 14:59	08/08/17 17:22	100-02-7	
Acenaphthene	<74.4	ug/kg	248	74.4	1	08/07/17 14:59	08/08/17 17:22	83-32-9	
Acenaphthylene	<74.9	ug/kg	250	74.9	1	08/07/17 14:59	08/08/17 17:22	208-96-8	
Anthracene	<33.5	ug/kg	112	33.5	1	08/07/17 14:59	08/08/17 17:22	120-12-7	
Benzo(a)anthracene	51.1J	ug/kg	108	32.5	1	08/07/17 14:59	08/08/17 17:22	56-55-3	
Benzo(a)pyrene	55.7J	ug/kg	105	31.6	1	08/07/17 14:59	08/08/17 17:22	50-32-8	
Benzo(b)fluoranthene	69.9J	ug/kg	120	36.1	1	08/07/17 14:59	08/08/17 17:22	205-99-2	
Benzo(g,h,i)perylene	87.9J	ug/kg	183	54.9	1	08/07/17 14:59	08/08/17 17:22	191-24-2	
Benzo(k)fluoranthene	<50.2	ug/kg	167	50.2	1	08/07/17 14:59	08/08/17 17:22	207-08-9	
Butylbenzylphthalate	<33.7	ug/kg	112	33.7	1	08/07/17 14:59	08/08/17 17:22	85-68-7	
Carbazole	<32.9	ug/kg	110	32.9	1	08/07/17 14:59	08/08/17 17:22	86-74-8	
Chrysene	65.4J	ug/kg	105	31.4	1	08/07/17 14:59	08/08/17 17:22	218-01-9	
Di-n-butylphthalate	<31.4	ug/kg	105	31.4	1	08/07/17 14:59	08/08/17 17:22	84-74-2	
Di-n-octylphthalate	<47.2	ug/kg	157	47.2	1	08/07/17 14:59	08/08/17 17:22	117-84-0	
Dibenz(a,h)anthracene	<57.0	ug/kg	190	57.0	1	08/07/17 14:59	08/08/17 17:22	53-70-3	
Dibenzofuran	<25.4	ug/kg	84.7	25.4	1	08/07/17 14:59	08/08/17 17:22	132-64-9	
Diethylphthalate	<34.8	ug/kg	116	34.8	1	08/07/17 14:59	08/08/17 17:22	84-66-2	
Dimethylphthalate	<27.3	ug/kg	91.0	27.3	1	08/07/17 14:59	08/08/17 17:22	131-11-3	
Fluoranthene	77.3J	ug/kg	99.0	29.7	1	08/07/17 14:59	08/08/17 17:22	206-44-0	
Fluorene	<24.5	ug/kg	81.8	24.5	1	08/07/17 14:59	08/08/17 17:22	86-73-7	
Hexachloro-1,3-butadiene	<53.5	ug/kg	178	53.5	1	08/07/17 14:59	08/08/17 17:22	87-68-3	
Hexachlorobenzene	<35.3	ug/kg	118	35.3	1	08/07/17 14:59	08/08/17 17:22	118-74-1	
Hexachlorocyclopentadiene	<49.7	ug/kg	166	49.7	1	08/07/17 14:59	08/08/17 17:22	77-47-4	
Hexachloroethane	<33.6	ug/kg	112	33.6	1	08/07/17 14:59	08/08/17 17:22	67-72-1	
Indeno(1,2,3-cd)pyrene	45.6J	ug/kg	151	45.4	1	08/07/17 14:59	08/08/17 17:22	193-39-5	
Isophorone	<32.3	ug/kg	108	32.3	1	08/07/17 14:59	08/08/17 17:22	78-59-1	
N-Nitroso-di-n-propylamine	<33.3	ug/kg	111	33.3	1	08/07/17 14:59	08/08/17 17:22	621-64-7	
N-Nitrosodiphenylamine	<285	ug/kg	949	285	1	08/07/17 14:59	08/08/17 17:22	86-30-6	
Naphthalene	<73.4	ug/kg	245	73.4	1	08/07/17 14:59	08/08/17 17:22	91-20-3	
Nitrobenzene	<42.6	ug/kg	142	42.6	1	08/07/17 14:59	08/08/17 17:22	98-95-3	
Pentachlorophenol	<46.2	ug/kg	154	46.2	1	08/07/17 14:59	08/08/17 17:22	87-86-5	
Phenanthrene	51.0J	ug/kg	89.7	26.9	1	08/07/17 14:59	08/08/17 17:22	85-01-8	
Phenol	<49.8	ug/kg	166	49.8	1	08/07/17 14:59	08/08/17 17:22	108-95-2	
Pyrene	85.3J	ug/kg	155	46.5	1	08/07/17 14:59	08/08/17 17:22	129-00-0	
bis(2-Chloroethoxy)methane	<56.5	ug/kg	188	56.5	1	08/07/17 14:59	08/08/17 17:22	111-91-1	
bis(2-Chloroethyl) ether	<65.5	ug/kg	218	65.5	1	08/07/17 14:59	08/08/17 17:22	111-44-4	
bis(2-Ethylhexyl)phthalate	467	ug/kg	116	34.9	1	08/07/17 14:59	08/08/17 17:22	117-81-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-47 2-2.5' Lab ID: 40154369016 Collected: 08/01/17 12:30 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

Nitrobenzene-d5 (S)	69	%	13-114		1	08/07/17 14:59	08/08/17 17:22	4165-60-0	
2-Fluorobiphenyl (S)	67	%	18-127		1	08/07/17 14:59	08/08/17 17:22	321-60-8	
Terphenyl-d14 (S)	77	%	41-109		1	08/07/17 14:59	08/08/17 17:22	1718-51-0	
Phenol-d6 (S)	68	%	30-97		1	08/07/17 14:59	08/08/17 17:22	13127-88-3	
2-Fluorophenol (S)	67	%	16-103		1	08/07/17 14:59	08/08/17 17:22	367-12-4	
2,4,6-Tribromophenol (S)	88	%	13-143		1	08/07/17 14:59	08/08/17 17:22	118-79-6	

8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Benzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/07/17 08:00	08/07/17 16:00	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/07/17 08:00	08/07/17 16:00	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/07/17 08:00	08/07/17 16:00	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/07/17 08:00	08/07/17 16:00	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	108-20-3	W

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-47 2-2.5'** Lab ID: **40154369016** Collected: 08/01/17 12:30 Received: 08/03/17 09:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/07/17 08:00	08/07/17 16:00	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/07/17 08:00	08/07/17 16:00	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/07/17 08:00	08/07/17 16:00	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:00	08/07/17 16:00	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	116	%	68-130		1	08/07/17 08:00	08/07/17 16:00	1868-53-7	
Toluene-d8 (S)	126	%	68-149		1	08/07/17 08:00	08/07/17 16:00	2037-26-5	
4-Bromofluorobenzene (S)	110	%	58-141		1	08/07/17 08:00	08/07/17 16:00	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	20.4	%	0.10	0.10	1		08/14/17 10:58		

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-20-S **Lab ID: 40154369017** Collected: 07/31/17 14:15 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	11.3J	ug/L	25.0	8.3	1	08/08/17 08:17	08/08/17 15:43	7440-38-2	
Barium	164	ug/L	5.0	1.5	1	08/08/17 08:17	08/08/17 15:43	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/08/17 08:17	08/08/17 15:43	7440-43-9	
Chromium	6.8J	ug/L	10.0	2.5	1	08/08/17 08:17	08/08/17 15:43	7440-47-3	
Lead	<4.3	ug/L	13.0	4.3	1	08/08/17 08:17	08/08/17 15:43	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/08/17 08:17	08/08/17 15:43	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/08/17 08:17	08/08/17 15:43	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.13	ug/L	0.42	0.13	1	08/11/17 10:35	08/14/17 09:47	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,2,4-Trichlorobenzene	<1.9	ug/L	6.5	1.9	1	08/07/17 08:15	08/08/17 13:25	120-82-1	
1,2-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/07/17 08:15	08/08/17 13:25	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/08/17 13:25	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/08/17 13:25	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	4.8	1.5	1	08/07/17 08:15	08/08/17 13:25	108-60-1	
2,4,5-Trichlorophenol	<0.80	ug/L	2.7	0.80	1	08/07/17 08:15	08/08/17 13:25	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.7	2.0	1	08/07/17 08:15	08/08/17 13:25	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.3	1.3	1	08/07/17 08:15	08/08/17 13:25	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.0	1.2	1	08/07/17 08:15	08/08/17 13:25	105-67-9	
2,4-Dinitrophenol	<0.68	ug/L	2.3	0.68	1	08/07/17 08:15	08/08/17 13:25	51-28-5	
2,4-Dinitrotoluene	<0.75	ug/L	2.5	0.75	1	08/07/17 08:15	08/08/17 13:25	121-14-2	
2,6-Dinitrotoluene	<0.57	ug/L	1.9	0.57	1	08/07/17 08:15	08/08/17 13:25	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.2	1.6	1	08/07/17 08:15	08/08/17 13:25	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.7	1.1	1	08/07/17 08:15	08/08/17 13:25	95-57-8	
2-Methylnaphthalene	<1.4	ug/L	4.8	1.4	1	08/07/17 08:15	08/08/17 13:25	91-57-6	
2-Methylphenol(o-Cresol)	<0.83	ug/L	2.8	0.83	1	08/07/17 08:15	08/08/17 13:25	95-48-7	
2-Nitroaniline	<0.74	ug/L	2.5	0.74	1	08/07/17 08:15	08/08/17 13:25	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/07/17 08:15	08/08/17 13:25	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.0	1.5	1	08/07/17 08:15	08/08/17 13:25		
3,3'-Dichlorobenzidine	<0.86	ug/L	2.9	0.86	1	08/07/17 08:15	08/08/17 13:25	91-94-1	
3-Nitroaniline	<0.92	ug/L	3.1	0.92	1	08/07/17 08:15	08/08/17 13:25	99-09-2	
4,6-Dinitro-2-methylphenol	<0.62	ug/L	2.1	0.62	1	08/07/17 08:15	08/08/17 13:25	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.3	1.9	1	08/07/17 08:15	08/08/17 13:25	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.4	1.6	1	08/07/17 08:15	08/08/17 13:25	59-50-7	
4-Chloroaniline	<1.0	ug/L	3.5	1.0	1	08/07/17 08:15	08/08/17 13:25	106-47-8	
4-Chlorophenylphenyl ether	<0.78	ug/L	2.6	0.78	1	08/07/17 08:15	08/08/17 13:25	7005-72-3	
4-Nitroaniline	<1.7	ug/L	5.8	1.7	1	08/07/17 08:15	08/08/17 13:25	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.3	1.0	1	08/07/17 08:15	08/08/17 13:25	100-02-7	
Acenaphthene	<1.3	ug/L	4.3	1.3	1	08/07/17 08:15	08/08/17 13:25	83-32-9	
Acenaphthylene	<1.0	ug/L	3.4	1.0	1	08/07/17 08:15	08/08/17 13:25	208-96-8	
Anthracene	<1.7	ug/L	5.7	1.7	1	08/07/17 08:15	08/08/17 13:25	120-12-7	
Benzo(a)anthracene	<0.51	ug/L	1.7	0.51	1	08/07/17 08:15	08/08/17 13:25	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/08/17 13:25	50-32-8	
Benzo(b)fluoranthene	<0.62	ug/L	2.1	0.62	1	08/07/17 08:15	08/08/17 13:25	205-99-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Sample Project No.: 40154369

Sample: SB-20-S **Lab ID: 40154369017** Collected: 07/31/17 14:15 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.77	ug/L	2.6	0.77	1	08/07/17 08:15	08/08/17 13:25	191-24-2	
Benzo(k)fluoranthene	<0.95	ug/L	3.2	0.95	1	08/07/17 08:15	08/08/17 13:25	207-08-9	
Butylbenzylphthalate	<0.74	ug/L	2.5	0.74	1	08/07/17 08:15	08/08/17 13:25	85-68-7	
Carbazole	<0.71	ug/L	2.4	0.71	1	08/07/17 08:15	08/08/17 13:25	86-74-8	
Chrysene	<1.7	ug/L	5.5	1.7	1	08/07/17 08:15	08/08/17 13:25	218-01-9	
Di-n-butylphthalate	<2.4	ug/L	8.1	2.4	1	08/07/17 08:15	08/08/17 13:25	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/08/17 13:25	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.2	1.3	1	08/07/17 08:15	08/08/17 13:25	53-70-3	
Dibenzofuran	<0.73	ug/L	2.4	0.73	1	08/07/17 08:15	08/08/17 13:25	132-64-9	
Diethylphthalate	<1.0	ug/L	3.4	1.0	1	08/07/17 08:15	08/08/17 13:25	84-66-2	
Dimethylphthalate	<1.8	ug/L	6.1	1.8	1	08/07/17 08:15	08/08/17 13:25	131-11-3	
Fluoranthene	<0.54	ug/L	1.8	0.54	1	08/07/17 08:15	08/08/17 13:25	206-44-0	
Fluorene	<0.71	ug/L	2.4	0.71	1	08/07/17 08:15	08/08/17 13:25	86-73-7	
Hexachloro-1,3-butadiene	<2.3	ug/L	7.8	2.3	1	08/07/17 08:15	08/08/17 13:25	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.4	1.6	1	08/07/17 08:15	08/08/17 13:25	118-74-1	
Hexachlorocyclopentadiene	<0.65	ug/L	2.2	0.65	1	08/07/17 08:15	08/08/17 13:25	77-47-4	
Hexachloroethane	<2.5	ug/L	8.4	2.5	1	08/07/17 08:15	08/08/17 13:25	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.8	1.4	1	08/07/17 08:15	08/08/17 13:25	193-39-5	
Isophorone	<0.70	ug/L	2.3	0.70	1	08/07/17 08:15	08/08/17 13:25	78-59-1	
N-Nitroso-di-n-propylamine	<0.92	ug/L	3.1	0.92	1	08/07/17 08:15	08/08/17 13:25	621-64-7	
N-Nitrosodiphenylamine	<3.4	ug/L	11.2	3.4	1	08/07/17 08:15	08/08/17 13:25	86-30-6	
Naphthalene	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/08/17 13:25	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/07/17 08:15	08/08/17 13:25	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.6	1.4	1	08/07/17 08:15	08/08/17 13:25	87-86-5	
Phenanthrene	<1.7	ug/L	5.8	1.7	1	08/07/17 08:15	08/08/17 13:25	85-01-8	
Phenol	<0.57	ug/L	1.9	0.57	1	08/07/17 08:15	08/08/17 13:25	108-95-2	
Pyrene	<1.3	ug/L	4.3	1.3	1	08/07/17 08:15	08/08/17 13:25	129-00-0	
bis(2-Chloroethoxy)methane	<0.95	ug/L	3.2	0.95	1	08/07/17 08:15	08/08/17 13:25	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.0	1.5	1	08/07/17 08:15	08/08/17 13:25	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.66	ug/L	2.2	0.66	1	08/07/17 08:15	08/08/17 13:25	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	90	%	53-100		1	08/07/17 08:15	08/08/17 13:25	4165-60-0	
2-Fluorobiphenyl (S)	74	%	59-109		1	08/07/17 08:15	08/08/17 13:25	321-60-8	
Terphenyl-d14 (S)	94	%	59-108		1	08/07/17 08:15	08/08/17 13:25	1718-51-0	
Phenol-d6 (S)	30	%	18-120		1	08/07/17 08:15	08/08/17 13:25	13127-88-3	
2-Fluorophenol (S)	45	%	27-67		1	08/07/17 08:15	08/08/17 13:25	367-12-4	
2,4,6-Tribromophenol (S)	84	%	65-140		1	08/07/17 08:15	08/08/17 13:25	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/08/17 12:52	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/08/17 12:52	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/08/17 12:52	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	104-51-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Sample Project No.: 40154369

Sample: SB-20-S **Lab ID: 40154369017** Collected: 07/31/17 14:15 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 12:52	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/08/17 12:52	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/08/17 12:52	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/08/17 12:52	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/08/17 12:52	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/08/17 12:52	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/08/17 12:52	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/08/17 12:52	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/08/17 12:52	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/08/17 12:52	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/08/17 12:52	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/08/17 12:52	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 12:52	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 12:52	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/08/17 12:52	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/08/17 12:52	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/08/17 12:52	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/08/17 12:52	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/08/17 12:52	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/08/17 12:52	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/08/17 12:52	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/08/17 12:52	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/08/17 12:52	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/08/17 12:52	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/08/17 12:52	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/08/17 12:52	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 12:52	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/08/17 12:52	79-00-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-20-S **Lab ID: 40154369017** Collected: 07/31/17 14:15 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/08/17 12:52	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/08/17 12:52	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/08/17 12:52	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/08/17 12:52	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	61-130		1		08/08/17 12:52	460-00-4	
Dibromofluoromethane (S)	96	%	67-130		1		08/08/17 12:52	1868-53-7	
Toluene-d8 (S)	89	%	70-130		1		08/08/17 12:52	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

Sample: SB-21-S **Lab ID: 40154369018** Collected: 07/31/17 15:00 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	21.4J	ug/L	25.0	8.3	1	08/08/17 08:17	08/08/17 15:50	7440-38-2	
Barium	226	ug/L	5.0	1.5	1	08/08/17 08:17	08/08/17 15:50	7440-39-3	
Cadmium	2.6J	ug/L	5.0	1.3	1	08/08/17 08:17	08/08/17 15:50	7440-43-9	
Chromium	40.5	ug/L	10.0	2.5	1	08/08/17 08:17	08/08/17 15:50	7440-47-3	
Lead	50.8	ug/L	13.0	4.3	1	08/08/17 08:17	08/08/17 15:50	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/08/17 08:17	08/08/17 15:50	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/08/17 08:17	08/08/17 15:50	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.13	ug/L	0.42	0.13	1	08/11/17 10:35	08/14/17 09:49	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,2,4-Trichlorobenzene	<2.0	ug/L	6.6	2.0	1	08/07/17 08:15	08/14/17 12:34	120-82-1	
1,2-Dichlorobenzene	<1.9	ug/L	6.2	1.9	1	08/07/17 08:15	08/14/17 12:34	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/07/17 08:15	08/14/17 12:34	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/07/17 08:15	08/14/17 12:34	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	4.9	1.5	1	08/07/17 08:15	08/14/17 12:34	108-60-1	
2,4,5-Trichlorophenol	<0.82	ug/L	2.7	0.82	1	08/07/17 08:15	08/14/17 12:34	95-95-4	
2,4,6-Trichlorophenol	<2.1	ug/L	6.8	2.1	1	08/07/17 08:15	08/14/17 12:34	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.4	1.3	1	08/07/17 08:15	08/14/17 12:34	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.1	1.2	1	08/07/17 08:15	08/14/17 12:34	105-67-9	
2,4-Dinitrophenol	<0.69	ug/L	2.3	0.69	1	08/07/17 08:15	08/14/17 12:34	51-28-5	
2,4-Dinitrotoluene	<0.77	ug/L	2.6	0.77	1	08/07/17 08:15	08/14/17 12:34	121-14-2	
2,6-Dinitrotoluene	<0.59	ug/L	2.0	0.59	1	08/07/17 08:15	08/14/17 12:34	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.3	1.6	1	08/07/17 08:15	08/14/17 12:34	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.7	1.1	1	08/07/17 08:15	08/14/17 12:34	95-57-8	
2-Methylnaphthalene	<1.5	ug/L	4.9	1.5	1	08/07/17 08:15	08/14/17 12:34	91-57-6	
2-Methylphenol(o-Cresol)	<0.84	ug/L	2.8	0.84	1	08/07/17 08:15	08/14/17 12:34	95-48-7	
2-Nitroaniline	<0.75	ug/L	2.5	0.75	1	08/07/17 08:15	08/14/17 12:34	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.8	1.1	1	08/07/17 08:15	08/14/17 12:34	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.1	1.5	1	08/07/17 08:15	08/14/17 12:34		
3,3'-Dichlorobenzidine	<0.88	ug/L	2.9	0.88	1	08/07/17 08:15	08/14/17 12:34	91-94-1	
3-Nitroaniline	<0.94	ug/L	3.1	0.94	1	08/07/17 08:15	08/14/17 12:34	99-09-2	
4,6-Dinitro-2-methylphenol	<0.63	ug/L	2.1	0.63	1	08/07/17 08:15	08/14/17 12:34	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.4	1.9	1	08/07/17 08:15	08/14/17 12:34	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.5	1.6	1	08/07/17 08:15	08/14/17 12:34	59-50-7	
4-Chloroaniline	<1.1	ug/L	3.6	1.1	1	08/07/17 08:15	08/14/17 12:34	106-47-8	
4-Chlorophenylphenyl ether	<0.80	ug/L	2.7	0.80	1	08/07/17 08:15	08/14/17 12:34	7005-72-3	
4-Nitroaniline	<1.8	ug/L	5.9	1.8	1	08/07/17 08:15	08/14/17 12:34	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.4	1.0	1	08/07/17 08:15	08/14/17 12:34	100-02-7	
Acenaphthene	<1.3	ug/L	4.3	1.3	1	08/07/17 08:15	08/14/17 12:34	83-32-9	
Acenaphthylene	<1.0	ug/L	3.4	1.0	1	08/07/17 08:15	08/14/17 12:34	208-96-8	
Anthracene	<1.8	ug/L	5.8	1.8	1	08/07/17 08:15	08/14/17 12:34	120-12-7	
Benzo(a)anthracene	<0.52	ug/L	1.7	0.52	1	08/07/17 08:15	08/14/17 12:34	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	6.1	1.8	1	08/07/17 08:15	08/14/17 12:34	50-32-8	
Benzo(b)fluoranthene	<0.63	ug/L	2.1	0.63	1	08/07/17 08:15	08/14/17 12:34	205-99-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Sample Project No.: 40154369

Sample: **SB-21-S** Lab ID: **40154369018** Collected: 07/31/17 15:00 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.79	ug/L	2.6	0.79	1	08/07/17 08:15	08/14/17 12:34	191-24-2	
Benzo(k)fluoranthene	<0.97	ug/L	3.2	0.97	1	08/07/17 08:15	08/14/17 12:34	207-08-9	
Butylbenzylphthalate	<0.75	ug/L	2.5	0.75	1	08/07/17 08:15	08/14/17 12:34	85-68-7	
Carbazole	<0.73	ug/L	2.4	0.73	1	08/07/17 08:15	08/14/17 12:34	86-74-8	
Chrysene	<1.7	ug/L	5.6	1.7	1	08/07/17 08:15	08/14/17 12:34	218-01-9	
Di-n-butylphthalate	<2.5	ug/L	8.3	2.5	1	08/07/17 08:15	08/14/17 12:34	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.1	1.8	1	08/07/17 08:15	08/14/17 12:34	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.3	1.3	1	08/07/17 08:15	08/14/17 12:34	53-70-3	
Dibenzofuran	<0.75	ug/L	2.5	0.75	1	08/07/17 08:15	08/14/17 12:34	132-64-9	
Diethylphthalate	<1.1	ug/L	3.5	1.1	1	08/07/17 08:15	08/14/17 12:34	84-66-2	
Dimethylphthalate	<1.9	ug/L	6.2	1.9	1	08/07/17 08:15	08/14/17 12:34	131-11-3	
Fluoranthene	<0.55	ug/L	1.8	0.55	1	08/07/17 08:15	08/14/17 12:34	206-44-0	
Fluorene	<0.73	ug/L	2.4	0.73	1	08/07/17 08:15	08/14/17 12:34	86-73-7	
Hexachloro-1,3-butadiene	<2.4	ug/L	8.0	2.4	1	08/07/17 08:15	08/14/17 12:34	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.5	1.6	1	08/07/17 08:15	08/14/17 12:34	118-74-1	
Hexachlorocyclopentadiene	<0.66	ug/L	2.2	0.66	1	08/07/17 08:15	08/14/17 12:34	77-47-4	
Hexachloroethane	<2.6	ug/L	8.6	2.6	1	08/07/17 08:15	08/14/17 12:34	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.5	ug/L	4.8	1.5	1	08/07/17 08:15	08/14/17 12:34	193-39-5	
Isophorone	<0.71	ug/L	2.4	0.71	1	08/07/17 08:15	08/14/17 12:34	78-59-1	
N-Nitroso-di-n-propylamine	<0.94	ug/L	3.1	0.94	1	08/07/17 08:15	08/14/17 12:34	621-64-7	
N-Nitrosodiphenylamine	<3.4	ug/L	11.4	3.4	1	08/07/17 08:15	08/14/17 12:34	86-30-6	
Naphthalene	<1.8	ug/L	6.1	1.8	1	08/07/17 08:15	08/14/17 12:34	91-20-3	
Nitrobenzene	<1.4	ug/L	4.7	1.4	1	08/07/17 08:15	08/14/17 12:34	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.6	1.4	1	08/07/17 08:15	08/14/17 12:34	87-86-5	
Phenanthrene	<1.8	ug/L	5.9	1.8	1	08/07/17 08:15	08/14/17 12:34	85-01-8	
Phenol	<0.58	ug/L	1.9	0.58	1	08/07/17 08:15	08/14/17 12:34	108-95-2	
Pyrene	<1.3	ug/L	4.4	1.3	1	08/07/17 08:15	08/14/17 12:34	129-00-0	
bis(2-Chloroethoxy)methane	<0.97	ug/L	3.2	0.97	1	08/07/17 08:15	08/14/17 12:34	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.1	1.5	1	08/07/17 08:15	08/14/17 12:34	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.67	ug/L	2.2	0.67	1	08/07/17 08:15	08/14/17 12:34	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	36	%	53-100		1	08/07/17 08:15	08/14/17 12:34	4165-60-0	1q,S0
2-Fluorobiphenyl (S)	17	%	59-109		1	08/07/17 08:15	08/14/17 12:34	321-60-8	1q,S0
Terphenyl-d14 (S)	42	%	59-108		1	08/07/17 08:15	08/14/17 12:34	1718-51-0	1q,S0
Phenol-d6 (S)	19	%	18-120		1	08/07/17 08:15	08/14/17 12:34	13127-88-3	
2-Fluorophenol (S)	28	%	27-67		1	08/07/17 08:15	08/14/17 12:34	367-12-4	
2,4,6-Tribromophenol (S)	20	%	65-140		1	08/07/17 08:15	08/14/17 12:34	118-79-6	1q,S0
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/08/17 13:14	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/08/17 13:14	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/08/17 13:14	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	104-51-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Sample Project No.: 40154369

Sample: SB-21-S **Lab ID: 40154369018** Collected: 07/31/17 15:00 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 13:14	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/08/17 13:14	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/08/17 13:14	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/08/17 13:14	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/08/17 13:14	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/08/17 13:14	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/08/17 13:14	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/08/17 13:14	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/08/17 13:14	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/08/17 13:14	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/08/17 13:14	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/08/17 13:14	75-35-4	
cis-1,2-Dichloroethene	0.47J	ug/L	1.0	0.26	1		08/08/17 13:14	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 13:14	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/08/17 13:14	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/08/17 13:14	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/08/17 13:14	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/08/17 13:14	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/08/17 13:14	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/08/17 13:14	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/08/17 13:14	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/08/17 13:14	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/08/17 13:14	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/08/17 13:14	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/08/17 13:14	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/08/17 13:14	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 13:14	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/08/17 13:14	79-00-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-21-S **Lab ID: 40154369018** Collected: 07/31/17 15:00 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/08/17 13:14	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/08/17 13:14	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/08/17 13:14	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/08/17 13:14	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:14	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	61-130		1		08/08/17 13:14	460-00-4	
Dibromofluoromethane (S)	104	%	67-130		1		08/08/17 13:14	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		08/08/17 13:14	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-42-S **Lab ID: 40154369019** Collected: 07/31/17 15:45 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Lead	<4.3	ug/L	13.0	4.3	1	08/08/17 08:17	08/08/17 15:52	7439-92-1	
8270 MSSV PAH by HVI Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Acenaphthene	0.0069J	ug/L	0.027	0.0055	1	08/04/17 08:13	08/04/17 20:47	83-32-9	
Acenaphthylene	0.0066J	ug/L	0.022	0.0045	1	08/04/17 08:13	08/04/17 20:47	208-96-8	
Anthracene	<0.0094	ug/L	0.047	0.0094	1	08/04/17 08:13	08/04/17 20:47	120-12-7	
Benzo(a)anthracene	<0.0068	ug/L	0.034	0.0068	1	08/04/17 08:13	08/04/17 20:47	56-55-3	
Benzo(a)pyrene	<0.0095	ug/L	0.047	0.0095	1	08/04/17 08:13	08/04/17 20:47	50-32-8	
Benzo(b)fluoranthene	0.013J	ug/L	0.026	0.0052	1	08/04/17 08:13	08/04/17 20:47	205-99-2	
Benzo(g,h,i)perylene	0.0097J	ug/L	0.031	0.0061	1	08/04/17 08:13	08/04/17 20:47	191-24-2	
Benzo(k)fluoranthene	0.015J	ug/L	0.034	0.0068	1	08/04/17 08:13	08/04/17 20:47	207-08-9	
Chrysene	0.030J	ug/L	0.059	0.012	1	08/04/17 08:13	08/04/17 20:47	218-01-9	
Dibenz(a,h)anthracene	<0.0090	ug/L	0.045	0.0090	1	08/04/17 08:13	08/04/17 20:47	53-70-3	
Fluoranthene	0.031J	ug/L	0.048	0.0096	1	08/04/17 08:13	08/04/17 20:47	206-44-0	
Fluorene	0.012J	ug/L	0.036	0.0072	1	08/04/17 08:13	08/04/17 20:47	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.079	0.016	1	08/04/17 08:13	08/04/17 20:47	193-39-5	
1-Methylnaphthalene	0.032	ug/L	0.027	0.0053	1	08/04/17 08:13	08/04/17 20:47	90-12-0	
2-Methylnaphthalene	0.046	ug/L	0.022	0.0044	1	08/04/17 08:13	08/04/17 20:47	91-57-6	
Naphthalene	0.042J	ug/L	0.083	0.017	1	08/04/17 08:13	08/04/17 20:47	91-20-3	
Phenanthrene	0.034J	ug/L	0.062	0.012	1	08/04/17 08:13	08/04/17 20:47	85-01-8	
Pyrene	0.043	ug/L	0.034	0.0069	1	08/04/17 08:13	08/04/17 20:47	129-00-0	B
Surrogates									
2-Fluorobiphenyl (S)	47	%	35-84		1	08/04/17 08:13	08/04/17 20:47	321-60-8	
Terphenyl-d14 (S)	71	%	10-129		1	08/04/17 08:13	08/04/17 20:47	1718-51-0	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/08/17 13:37	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/08/17 13:37	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/08/17 13:37	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 13:37	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/08/17 13:37	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/08/17 13:37	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/08/17 13:37	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/08/17 13:37	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/08/17 13:37	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/08/17 13:37	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/08/17 13:37	74-95-3	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-42-S Lab ID: 40154369019 Collected: 07/31/17 15:45 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/08/17 13:37	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/08/17 13:37	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/08/17 13:37	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/08/17 13:37	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 13:37	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 13:37	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/08/17 13:37	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/08/17 13:37	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/08/17 13:37	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/08/17 13:37	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/08/17 13:37	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/08/17 13:37	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/08/17 13:37	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/08/17 13:37	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/08/17 13:37	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/08/17 13:37	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/08/17 13:37	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/08/17 13:37	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 13:37	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/08/17 13:37	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/08/17 13:37	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/08/17 13:37	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/08/17 13:37	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/08/17 13:37	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/08/17 13:37	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		1		08/08/17 13:37	460-00-4	
Dibromofluoromethane (S)	101	%	67-130		1		08/08/17 13:37	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		08/08/17 13:37	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-3-S Lab ID: 40154369020 Collected: 07/31/17 16:30 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	370	ug/L	13.0	4.3	1	08/08/17 08:17	08/08/17 15:55	7439-92-1	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	0.50J	ug/L	0.70	0.14	25	08/04/17 08:13	08/04/17 18:53	83-32-9	
Acenaphthylene	0.12J	ug/L	0.58	0.12	25	08/04/17 08:13	08/04/17 18:53	208-96-8	
Anthracene	<0.24	ug/L	1.2	0.24	25	08/04/17 08:13	08/04/17 18:53	120-12-7	
Benzo(a)anthracene	<0.17	ug/L	0.87	0.17	25	08/04/17 08:13	08/04/17 18:53	56-55-3	
Benzo(a)pyrene	<0.24	ug/L	1.2	0.24	25	08/04/17 08:13	08/04/17 18:53	50-32-8	
Benzo(b)fluoranthene	<0.13	ug/L	0.66	0.13	25	08/04/17 08:13	08/04/17 18:53	205-99-2	
Benzo(g,h,i)perylene	<0.16	ug/L	0.78	0.16	25	08/04/17 08:13	08/04/17 18:53	191-24-2	
Benzo(k)fluoranthene	<0.17	ug/L	0.87	0.17	25	08/04/17 08:13	08/04/17 18:53	207-08-9	
Chrysene	<0.30	ug/L	1.5	0.30	25	08/04/17 08:13	08/04/17 18:53	218-01-9	
Dibenz(a,h)anthracene	<0.23	ug/L	1.2	0.23	25	08/04/17 08:13	08/04/17 18:53	53-70-3	
Fluoranthene	0.61J	ug/L	1.2	0.25	25	08/04/17 08:13	08/04/17 18:53	206-44-0	
Fluorene	0.55J	ug/L	0.92	0.18	25	08/04/17 08:13	08/04/17 18:53	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.41	ug/L	2.0	0.41	25	08/04/17 08:13	08/04/17 18:53	193-39-5	
1-Methylnaphthalene	34.7	ug/L	0.68	0.14	25	08/04/17 08:13	08/04/17 18:53	90-12-0	
2-Methylnaphthalene	83.0	ug/L	0.57	0.11	25	08/04/17 08:13	08/04/17 18:53	91-57-6	
Naphthalene	182	ug/L	2.1	0.42	25	08/04/17 08:13	08/04/17 18:53	91-20-3	
Phenanthrene	0.83J	ug/L	1.6	0.32	25	08/04/17 08:13	08/04/17 18:53	85-01-8	
Pyrene	0.75J	ug/L	0.89	0.18	25	08/04/17 08:13	08/04/17 18:53	129-00-0	B
Surrogates									
2-Fluorobiphenyl (S)	20	%	35-84		25	08/04/17 08:13	08/04/17 18:53	321-60-8	S4
Terphenyl-d14 (S)	13	%	10-129		25	08/04/17 08:13	08/04/17 18:53	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	197	ug/L	5.0	2.5	5		08/09/17 02:10	71-43-2	
Bromobenzene	<1.2	ug/L	5.0	1.2	5		08/09/17 02:10	108-86-1	
Bromochloromethane	<1.7	ug/L	5.0	1.7	5		08/09/17 02:10	74-97-5	
Bromodichloromethane	<2.5	ug/L	5.0	2.5	5		08/09/17 02:10	75-27-4	
Bromoform	<2.5	ug/L	5.0	2.5	5		08/09/17 02:10	75-25-2	
Bromomethane	<12.2	ug/L	25.0	12.2	5		08/09/17 02:10	74-83-9	
n-Butylbenzene	81.4	ug/L	5.0	2.5	5		08/09/17 02:10	104-51-8	
sec-Butylbenzene	20.9J	ug/L	25.0	10.9	5		08/09/17 02:10	135-98-8	
tert-Butylbenzene	<0.90	ug/L	5.0	0.90	5		08/09/17 02:10	98-06-6	
Carbon tetrachloride	<2.5	ug/L	5.0	2.5	5		08/09/17 02:10	56-23-5	
Chlorobenzene	<2.5	ug/L	5.0	2.5	5		08/09/17 02:10	108-90-7	
Chloroethane	<1.9	ug/L	5.0	1.9	5		08/09/17 02:10	75-00-3	
Chloroform	<12.5	ug/L	25.0	12.5	5		08/09/17 02:10	67-66-3	
Chloromethane	<2.5	ug/L	5.0	2.5	5		08/09/17 02:10	74-87-3	
2-Chlorotoluene	<2.5	ug/L	5.0	2.5	5		08/09/17 02:10	95-49-8	
4-Chlorotoluene	<1.1	ug/L	5.0	1.1	5		08/09/17 02:10	106-43-4	
1,2-Dibromo-3-chloropropane	<10.8	ug/L	25.0	10.8	5		08/09/17 02:10	96-12-8	
Dibromochloromethane	<2.5	ug/L	5.0	2.5	5		08/09/17 02:10	124-48-1	
1,2-Dibromoethane (EDB)	<0.89	ug/L	5.0	0.89	5		08/09/17 02:10	106-93-4	
Dibromomethane	<2.1	ug/L	5.0	2.1	5		08/09/17 02:10	74-95-3	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-3-S **Lab ID: 40154369020** Collected: 07/31/17 16:30 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		08/09/17 02:10	95-50-1	
1,3-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		08/09/17 02:10	541-73-1	
1,4-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		08/09/17 02:10	106-46-7	
Dichlorodifluoromethane	<1.1	ug/L	5.0	1.1	5		08/09/17 02:10	75-71-8	
1,1-Dichloroethane	<1.2	ug/L	5.0	1.2	5		08/09/17 02:10	75-34-3	
1,2-Dichloroethane	<0.84	ug/L	5.0	0.84	5		08/09/17 02:10	107-06-2	
1,1-Dichloroethene	<2.1	ug/L	5.0	2.1	5		08/09/17 02:10	75-35-4	
cis-1,2-Dichloroethene	<1.3	ug/L	5.0	1.3	5		08/09/17 02:10	156-59-2	
trans-1,2-Dichloroethene	<1.3	ug/L	5.0	1.3	5		08/09/17 02:10	156-60-5	
1,2-Dichloropropane	<1.2	ug/L	5.0	1.2	5		08/09/17 02:10	78-87-5	
1,3-Dichloropropane	<2.5	ug/L	5.0	2.5	5		08/09/17 02:10	142-28-9	
2,2-Dichloropropane	<2.4	ug/L	5.0	2.4	5		08/09/17 02:10	594-20-7	
1,1-Dichloropropene	<2.2	ug/L	5.0	2.2	5		08/09/17 02:10	563-58-6	
cis-1,3-Dichloropropene	<2.5	ug/L	5.0	2.5	5		08/09/17 02:10	10061-01-5	
trans-1,3-Dichloropropene	<1.1	ug/L	5.0	1.1	5		08/09/17 02:10	10061-02-6	
Diisopropyl ether	<2.5	ug/L	5.0	2.5	5		08/09/17 02:10	108-20-3	
Ethylbenzene	357	ug/L	5.0	2.5	5		08/09/17 02:10	100-41-4	
Hexachloro-1,3-butadiene	<10.5	ug/L	25.0	10.5	5		08/09/17 02:10	87-68-3	
Isopropylbenzene (Cumene)	61.2	ug/L	5.0	0.72	5		08/09/17 02:10	98-82-8	
p-Isopropyltoluene	<2.5	ug/L	5.0	2.5	5		08/09/17 02:10	99-87-6	
Methylene Chloride	<1.2	ug/L	5.0	1.2	5		08/09/17 02:10	75-09-2	
Methyl-tert-butyl ether	<0.87	ug/L	5.0	0.87	5		08/09/17 02:10	1634-04-4	
Naphthalene	780	ug/L	25.0	12.5	5		08/09/17 02:10	91-20-3	
n-Propylbenzene	167	ug/L	5.0	2.5	5		08/09/17 02:10	103-65-1	
Styrene	<2.5	ug/L	5.0	2.5	5		08/09/17 02:10	100-42-5	
1,1,1,2-Tetrachloroethane	<0.90	ug/L	5.0	0.90	5		08/09/17 02:10	630-20-6	
1,1,1,2,2-Tetrachloroethane	<1.2	ug/L	5.0	1.2	5		08/09/17 02:10	79-34-5	
Tetrachloroethene	<2.5	ug/L	5.0	2.5	5		08/09/17 02:10	127-18-4	
Toluene	54.0	ug/L	5.0	2.5	5		08/09/17 02:10	108-88-3	
1,2,3-Trichlorobenzene	<10.7	ug/L	25.0	10.7	5		08/09/17 02:10	87-61-6	
1,2,4-Trichlorobenzene	<11.0	ug/L	25.0	11.0	5		08/09/17 02:10	120-82-1	
1,1,1-Trichloroethane	<2.5	ug/L	5.0	2.5	5		08/09/17 02:10	71-55-6	
1,1,2-Trichloroethane	<0.99	ug/L	5.0	0.99	5		08/09/17 02:10	79-00-5	
Trichloroethene	<1.7	ug/L	5.0	1.7	5		08/09/17 02:10	79-01-6	
Trichlorofluoromethane	<0.92	ug/L	5.0	0.92	5		08/09/17 02:10	75-69-4	
1,2,3-Trichloropropane	<2.5	ug/L	5.0	2.5	5		08/09/17 02:10	96-18-4	
1,2,4-Trimethylbenzene	440	ug/L	5.0	2.5	5		08/09/17 02:10	95-63-6	
1,3,5-Trimethylbenzene	150	ug/L	5.0	2.5	5		08/09/17 02:10	108-67-8	
Vinyl chloride	<0.88	ug/L	5.0	0.88	5		08/09/17 02:10	75-01-4	
m&p-Xylene	1150	ug/L	10.0	5.0	5		08/09/17 02:10	179601-23-1	
o-Xylene	181	ug/L	5.0	2.5	5		08/09/17 02:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		5		08/09/17 02:10	460-00-4	
Dibromofluoromethane (S)	91	%	67-130		5		08/09/17 02:10	1868-53-7	
Toluene-d8 (S)	96	%	70-130		5		08/09/17 02:10	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-5-S** Lab ID: **40154369021** Collected: 07/31/17 17:25 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	29.8	ug/L	13.0	4.3	1	08/08/17 08:17	08/08/17 16:02	7439-92-1	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	0.36	ug/L	0.27	0.055	10	08/04/17 08:13	08/04/17 19:09	83-32-9	
Acenaphthylene	0.091J	ug/L	0.22	0.045	10	08/04/17 08:13	08/04/17 19:09	208-96-8	
Anthracene	<0.094	ug/L	0.47	0.094	10	08/04/17 08:13	08/04/17 19:09	120-12-7	
Benzo(a)anthracene	0.13J	ug/L	0.34	0.068	10	08/04/17 08:13	08/04/17 19:09	56-55-3	
Benzo(a)pyrene	0.40J	ug/L	0.47	0.095	10	08/04/17 08:13	08/04/17 19:09	50-32-8	
Benzo(b)fluoranthene	0.41	ug/L	0.26	0.052	10	08/04/17 08:13	08/04/17 19:09	205-99-2	
Benzo(g,h,i)perylene	0.22J	ug/L	0.31	0.061	10	08/04/17 08:13	08/04/17 19:09	191-24-2	
Benzo(k)fluoranthene	0.40	ug/L	0.34	0.068	10	08/04/17 08:13	08/04/17 19:09	207-08-9	
Chrysene	1.0	ug/L	0.59	0.12	10	08/04/17 08:13	08/04/17 19:09	218-01-9	
Dibenz(a,h)anthracene	<0.090	ug/L	0.45	0.090	10	08/04/17 08:13	08/04/17 19:09	53-70-3	
Fluoranthene	2.1	ug/L	0.48	0.096	10	08/04/17 08:13	08/04/17 19:09	206-44-0	
Fluorene	0.78	ug/L	0.36	0.072	10	08/04/17 08:13	08/04/17 19:09	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.16	ug/L	0.79	0.16	10	08/04/17 08:13	08/04/17 19:09	193-39-5	
1-Methylnaphthalene	5.5	ug/L	0.27	0.053	10	08/04/17 08:13	08/04/17 19:09	90-12-0	
2-Methylnaphthalene	9.5	ug/L	0.22	0.044	10	08/04/17 08:13	08/04/17 19:09	91-57-6	
Naphthalene	90.0	ug/L	0.83	0.17	10	08/04/17 08:13	08/04/17 19:09	91-20-3	
Phenanthrene	2.8	ug/L	0.62	0.12	10	08/04/17 08:13	08/04/17 19:09	85-01-8	
Pyrene	1.9	ug/L	0.34	0.069	10	08/04/17 08:13	08/04/17 19:09	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	21	%	35-84		10	08/04/17 08:13	08/04/17 19:09	321-60-8	2q,S0
Terphenyl-d14 (S)	10	%	10-129		10	08/04/17 08:13	08/04/17 19:09	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<5.0	ug/L	10.0	5.0	10		08/09/17 02:33	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		08/09/17 02:33	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		08/09/17 02:33	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		08/09/17 02:33	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		08/09/17 02:33	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		08/09/17 02:33	74-83-9	
n-Butylbenzene	69.7	ug/L	10.0	5.0	10		08/09/17 02:33	104-51-8	
sec-Butylbenzene	47.5J	ug/L	50.0	21.9	10		08/09/17 02:33	135-98-8	
tert-Butylbenzene	4.5J	ug/L	10.0	1.8	10		08/09/17 02:33	98-06-6	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		08/09/17 02:33	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		08/09/17 02:33	108-90-7	
Chloroethane	<3.7	ug/L	10.0	3.7	10		08/09/17 02:33	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		08/09/17 02:33	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		08/09/17 02:33	74-87-3	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		08/09/17 02:33	95-49-8	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		08/09/17 02:33	106-43-4	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		08/09/17 02:33	96-12-8	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		08/09/17 02:33	124-48-1	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		08/09/17 02:33	106-93-4	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		08/09/17 02:33	74-95-3	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-5-S **Lab ID: 40154369021** Collected: 07/31/17 17:25 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		08/09/17 02:33	95-50-1	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		08/09/17 02:33	541-73-1	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		08/09/17 02:33	106-46-7	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		08/09/17 02:33	75-71-8	
1,1-Dichloroethane	<2.4	ug/L	10.0	2.4	10		08/09/17 02:33	75-34-3	
1,2-Dichloroethane	<1.7	ug/L	10.0	1.7	10		08/09/17 02:33	107-06-2	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		08/09/17 02:33	75-35-4	
cis-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		08/09/17 02:33	156-59-2	
trans-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		08/09/17 02:33	156-60-5	
1,2-Dichloropropane	<2.3	ug/L	10.0	2.3	10		08/09/17 02:33	78-87-5	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		08/09/17 02:33	142-28-9	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		08/09/17 02:33	594-20-7	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		08/09/17 02:33	563-58-6	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		08/09/17 02:33	10061-01-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		08/09/17 02:33	10061-02-6	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		08/09/17 02:33	108-20-3	
Ethylbenzene	23.8	ug/L	10.0	5.0	10		08/09/17 02:33	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		08/09/17 02:33	87-68-3	
Isopropylbenzene (Cumene)	41.5	ug/L	10.0	1.4	10		08/09/17 02:33	98-82-8	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		08/09/17 02:33	99-87-6	
Methylene Chloride	<2.3	ug/L	10.0	2.3	10		08/09/17 02:33	75-09-2	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		08/09/17 02:33	1634-04-4	
Naphthalene	191	ug/L	50.0	25.0	10		08/09/17 02:33	91-20-3	
n-Propylbenzene	112	ug/L	10.0	5.0	10		08/09/17 02:33	103-65-1	
Styrene	<5.0	ug/L	10.0	5.0	10		08/09/17 02:33	100-42-5	
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		08/09/17 02:33	630-20-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		08/09/17 02:33	79-34-5	
Tetrachloroethene	<5.0	ug/L	10.0	5.0	10		08/09/17 02:33	127-18-4	
Toluene	<5.0	ug/L	10.0	5.0	10		08/09/17 02:33	108-88-3	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		08/09/17 02:33	87-61-6	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		08/09/17 02:33	120-82-1	
1,1,1-Trichloroethane	<5.0	ug/L	10.0	5.0	10		08/09/17 02:33	71-55-6	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		08/09/17 02:33	79-00-5	
Trichloroethene	<3.3	ug/L	10.0	3.3	10		08/09/17 02:33	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		08/09/17 02:33	75-69-4	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		08/09/17 02:33	96-18-4	
1,2,4-Trimethylbenzene	65.5	ug/L	10.0	5.0	10		08/09/17 02:33	95-63-6	
1,3,5-Trimethylbenzene	126	ug/L	10.0	5.0	10		08/09/17 02:33	108-67-8	
Vinyl chloride	<1.8	ug/L	10.0	1.8	10		08/09/17 02:33	75-01-4	
m&p-Xylene	12.0J	ug/L	20.0	10.0	10		08/09/17 02:33	179601-23-1	
o-Xylene	<5.0	ug/L	10.0	5.0	10		08/09/17 02:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		10		08/09/17 02:33	460-00-4	
Dibromofluoromethane (S)	94	%	67-130		10		08/09/17 02:33	1868-53-7	
Toluene-d8 (S)	96	%	70-130		10		08/09/17 02:33	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-4-S Lab ID: 40154369022 Collected: 07/31/17 18:00 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	123	ug/L	13.0	4.3	1	08/08/17 08:17	08/08/17 16:04	7439-92-1	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	0.0074J	ug/L	0.028	0.0055	1	08/04/17 08:13	08/04/17 21:03	83-32-9	
Acenaphthylene	0.0073J	ug/L	0.023	0.0045	1	08/04/17 08:13	08/04/17 21:03	208-96-8	
Anthracene	0.012J	ug/L	0.048	0.0095	1	08/04/17 08:13	08/04/17 21:03	120-12-7	
Benzo(a)anthracene	0.0070J	ug/L	0.034	0.0069	1	08/04/17 08:13	08/04/17 21:03	56-55-3	
Benzo(a)pyrene	0.032J	ug/L	0.048	0.0096	1	08/04/17 08:13	08/04/17 21:03	50-32-8	
Benzo(b)fluoranthene	0.045	ug/L	0.026	0.0052	1	08/04/17 08:13	08/04/17 21:03	205-99-2	
Benzo(g,h,i)perylene	0.028J	ug/L	0.031	0.0062	1	08/04/17 08:13	08/04/17 21:03	191-24-2	
Benzo(k)fluoranthene	0.033J	ug/L	0.034	0.0069	1	08/04/17 08:13	08/04/17 21:03	207-08-9	
Chrysene	0.067	ug/L	0.059	0.012	1	08/04/17 08:13	08/04/17 21:03	218-01-9	
Dibenz(a,h)anthracene	<0.0091	ug/L	0.046	0.0091	1	08/04/17 08:13	08/04/17 21:03	53-70-3	
Fluoranthene	0.081	ug/L	0.048	0.0097	1	08/04/17 08:13	08/04/17 21:03	206-44-0	
Fluorene	<0.0072	ug/L	0.036	0.0072	1	08/04/17 08:13	08/04/17 21:03	86-73-7	
Indeno(1,2,3-cd)pyrene	0.026J	ug/L	0.080	0.016	1	08/04/17 08:13	08/04/17 21:03	193-39-5	
1-Methylnaphthalene	<0.0054	ug/L	0.027	0.0054	1	08/04/17 08:13	08/04/17 21:03	90-12-0	
2-Methylnaphthalene	<0.0045	ug/L	0.022	0.0045	1	08/04/17 08:13	08/04/17 21:03	91-57-6	
Naphthalene	<0.017	ug/L	0.083	0.017	1	08/04/17 08:13	08/04/17 21:03	91-20-3	
Phenanthrene	0.041J	ug/L	0.063	0.013	1	08/04/17 08:13	08/04/17 21:03	85-01-8	
Pyrene	0.090	ug/L	0.035	0.0070	1	08/04/17 08:13	08/04/17 21:03	129-00-0	B
Surrogates									
2-Fluorobiphenyl (S)	40	%	35-84		1	08/04/17 08:13	08/04/17 21:03	321-60-8	
Terphenyl-d14 (S)	59	%	10-129		1	08/04/17 08:13	08/04/17 21:03	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/08/17 14:00	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/08/17 14:00	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/08/17 14:00	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 14:00	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/08/17 14:00	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/08/17 14:00	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/08/17 14:00	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/08/17 14:00	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/08/17 14:00	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/08/17 14:00	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/08/17 14:00	74-95-3	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-4-S **Lab ID: 40154369022** Collected: 07/31/17 18:00 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/08/17 14:00	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/08/17 14:00	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/08/17 14:00	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/08/17 14:00	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 14:00	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 14:00	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/08/17 14:00	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/08/17 14:00	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/08/17 14:00	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/08/17 14:00	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/08/17 14:00	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/08/17 14:00	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/08/17 14:00	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/08/17 14:00	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/08/17 14:00	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/08/17 14:00	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/08/17 14:00	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/08/17 14:00	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 14:00	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/08/17 14:00	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/08/17 14:00	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/08/17 14:00	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/08/17 14:00	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/08/17 14:00	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	61-130		1		08/08/17 14:00	460-00-4	
Dibromofluoromethane (S)	98	%	67-130		1		08/08/17 14:00	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		08/08/17 14:00	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-24-S** Lab ID: **40154369023** Collected: 08/01/17 08:20 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	31.0	ug/L	25.0	8.3	1	08/08/17 08:17	08/08/17 16:07	7440-38-2	
Barium	490	ug/L	5.0	1.5	1	08/08/17 08:17	08/08/17 16:07	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/08/17 08:17	08/08/17 16:07	7440-43-9	
Chromium	108	ug/L	10.0	2.5	1	08/08/17 08:17	08/08/17 16:07	7440-47-3	
Lead	34.8	ug/L	13.0	4.3	1	08/08/17 08:17	08/08/17 16:07	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/08/17 08:17	08/08/17 16:07	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/08/17 08:17	08/08/17 16:07	7440-22-4	
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	<0.13	ug/L	0.42	0.13	1	08/11/17 10:35	08/14/17 09:56	7439-97-6	
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,2,4-Trichlorobenzene	<2.0	ug/L	6.5	2.0	1	08/07/17 08:15	08/14/17 12:56	120-82-1	
1,2-Dichlorobenzene	<1.9	ug/L	6.2	1.9	1	08/07/17 08:15	08/14/17 12:56	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/14/17 12:56	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/14/17 12:56	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	4.9	1.5	1	08/07/17 08:15	08/14/17 12:56	108-60-1	
2,4,5-Trichlorophenol	<0.81	ug/L	2.7	0.81	1	08/07/17 08:15	08/14/17 12:56	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.8	2.0	1	08/07/17 08:15	08/14/17 12:56	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.4	1.3	1	08/07/17 08:15	08/14/17 12:56	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.1	1.2	1	08/07/17 08:15	08/14/17 12:56	105-67-9	
2,4-Dinitrophenol	<0.68	ug/L	2.3	0.68	1	08/07/17 08:15	08/14/17 12:56	51-28-5	
2,4-Dinitrotoluene	<0.76	ug/L	2.5	0.76	1	08/07/17 08:15	08/14/17 12:56	121-14-2	
2,6-Dinitrotoluene	<0.58	ug/L	1.9	0.58	1	08/07/17 08:15	08/14/17 12:56	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.3	1.6	1	08/07/17 08:15	08/14/17 12:56	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.7	1.1	1	08/07/17 08:15	08/14/17 12:56	95-57-8	
2-Methylnaphthalene	<1.5	ug/L	4.9	1.5	1	08/07/17 08:15	08/14/17 12:56	91-57-6	
2-Methylphenol(o-Cresol)	<0.83	ug/L	2.8	0.83	1	08/07/17 08:15	08/14/17 12:56	95-48-7	
2-Nitroaniline	<0.74	ug/L	2.5	0.74	1	08/07/17 08:15	08/14/17 12:56	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/07/17 08:15	08/14/17 12:56	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.0	1.5	1	08/07/17 08:15	08/14/17 12:56		
3,3'-Dichlorobenzidine	<0.87	ug/L	2.9	0.87	1	08/07/17 08:15	08/14/17 12:56	91-94-1	
3-Nitroaniline	<0.93	ug/L	3.1	0.93	1	08/07/17 08:15	08/14/17 12:56	99-09-2	
4,6-Dinitro-2-methylphenol	<0.63	ug/L	2.1	0.63	1	08/07/17 08:15	08/14/17 12:56	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.3	1.9	1	08/07/17 08:15	08/14/17 12:56	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.4	1.6	1	08/07/17 08:15	08/14/17 12:56	59-50-7	
4-Chloroaniline	<1.1	ug/L	3.5	1.1	1	08/07/17 08:15	08/14/17 12:56	106-47-8	
4-Chlorophenylphenyl ether	<0.79	ug/L	2.6	0.79	1	08/07/17 08:15	08/14/17 12:56	7005-72-3	
4-Nitroaniline	<1.8	ug/L	5.9	1.8	1	08/07/17 08:15	08/14/17 12:56	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.4	1.0	1	08/07/17 08:15	08/14/17 12:56	100-02-7	
Acenaphthene	<1.3	ug/L	4.3	1.3	1	08/07/17 08:15	08/14/17 12:56	83-32-9	
Acenaphthylene	<1.0	ug/L	3.4	1.0	1	08/07/17 08:15	08/14/17 12:56	208-96-8	
Anthracene	<1.7	ug/L	5.8	1.7	1	08/07/17 08:15	08/14/17 12:56	120-12-7	
Benzo(a)anthracene	<0.51	ug/L	1.7	0.51	1	08/07/17 08:15	08/14/17 12:56	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/14/17 12:56	50-32-8	
Benzo(b)fluoranthene	<0.63	ug/L	2.1	0.63	1	08/07/17 08:15	08/14/17 12:56	205-99-2	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Lab Project No.: 40154369

Sample: **SB-24-S** Lab ID: **40154369023** Collected: 08/01/17 08:20 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.78	ug/L	2.6	0.78	1	08/07/17 08:15	08/14/17 12:56	191-24-2	
Benzo(k)fluoranthene	<0.96	ug/L	3.2	0.96	1	08/07/17 08:15	08/14/17 12:56	207-08-9	
Butylbenzylphthalate	<0.74	ug/L	2.5	0.74	1	08/07/17 08:15	08/14/17 12:56	85-68-7	
Carbazole	<0.72	ug/L	2.4	0.72	1	08/07/17 08:15	08/14/17 12:56	86-74-8	
Chrysene	<1.7	ug/L	5.6	1.7	1	08/07/17 08:15	08/14/17 12:56	218-01-9	
Di-n-butylphthalate	<2.5	ug/L	8.2	2.5	1	08/07/17 08:15	08/14/17 12:56	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.1	1.8	1	08/07/17 08:15	08/14/17 12:56	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.2	1.3	1	08/07/17 08:15	08/14/17 12:56	53-70-3	
Dibenzofuran	<0.74	ug/L	2.5	0.74	1	08/07/17 08:15	08/14/17 12:56	132-64-9	
Diethylphthalate	<1.0	ug/L	3.5	1.0	1	08/07/17 08:15	08/14/17 12:56	84-66-2	
Dimethylphthalate	<1.9	ug/L	6.2	1.9	1	08/07/17 08:15	08/14/17 12:56	131-11-3	
Fluoranthene	<0.54	ug/L	1.8	0.54	1	08/07/17 08:15	08/14/17 12:56	206-44-0	
Fluorene	<0.72	ug/L	2.4	0.72	1	08/07/17 08:15	08/14/17 12:56	86-73-7	
Hexachloro-1,3-butadiene	<2.4	ug/L	7.9	2.4	1	08/07/17 08:15	08/14/17 12:56	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.4	1.6	1	08/07/17 08:15	08/14/17 12:56	118-74-1	
Hexachlorocyclopentadiene	<0.65	ug/L	2.2	0.65	1	08/07/17 08:15	08/14/17 12:56	77-47-4	
Hexachloroethane	<2.6	ug/L	8.5	2.6	1	08/07/17 08:15	08/14/17 12:56	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.8	1.4	1	08/07/17 08:15	08/14/17 12:56	193-39-5	
Isophorone	<0.71	ug/L	2.4	0.71	1	08/07/17 08:15	08/14/17 12:56	78-59-1	
N-Nitroso-di-n-propylamine	<0.93	ug/L	3.1	0.93	1	08/07/17 08:15	08/14/17 12:56	621-64-7	
N-Nitrosodiphenylamine	<3.4	ug/L	11.3	3.4	1	08/07/17 08:15	08/14/17 12:56	86-30-6	
Naphthalene	<1.8	ug/L	6.1	1.8	1	08/07/17 08:15	08/14/17 12:56	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/07/17 08:15	08/14/17 12:56	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.6	1.4	1	08/07/17 08:15	08/14/17 12:56	87-86-5	
Phenanthrene	<1.8	ug/L	5.8	1.8	1	08/07/17 08:15	08/14/17 12:56	85-01-8	
Phenol	<0.58	ug/L	1.9	0.58	1	08/07/17 08:15	08/14/17 12:56	108-95-2	
Pyrene	<1.3	ug/L	4.3	1.3	1	08/07/17 08:15	08/14/17 12:56	129-00-0	
bis(2-Chloroethoxy)methane	<0.96	ug/L	3.2	0.96	1	08/07/17 08:15	08/14/17 12:56	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.1	1.5	1	08/07/17 08:15	08/14/17 12:56	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.67	ug/L	2.2	0.67	1	08/07/17 08:15	08/14/17 12:56	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	85	%	53-100		1	08/07/17 08:15	08/14/17 12:56	4165-60-0	
2-Fluorobiphenyl (S)	73	%	59-109		1	08/07/17 08:15	08/14/17 12:56	321-60-8	
Terphenyl-d14 (S)	93	%	59-108		1	08/07/17 08:15	08/14/17 12:56	1718-51-0	
Phenol-d6 (S)	28	%	18-120		1	08/07/17 08:15	08/14/17 12:56	13127-88-3	
2-Fluorophenol (S)	48	%	27-67		1	08/07/17 08:15	08/14/17 12:56	367-12-4	
2,4,6-Tribromophenol (S)	100	%	65-140		1	08/07/17 08:15	08/14/17 12:56	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/08/17 14:22	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/08/17 14:22	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/08/17 14:22	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	104-51-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Sample Project No.: 40154369

Sample: SB-24-S **Lab ID: 40154369023** Collected: 08/01/17 08:20 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 14:22	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/08/17 14:22	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/08/17 14:22	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/08/17 14:22	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/08/17 14:22	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/08/17 14:22	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/08/17 14:22	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/08/17 14:22	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/08/17 14:22	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/08/17 14:22	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/08/17 14:22	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/08/17 14:22	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 14:22	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 14:22	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/08/17 14:22	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/08/17 14:22	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/08/17 14:22	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/08/17 14:22	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/08/17 14:22	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/08/17 14:22	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/08/17 14:22	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/08/17 14:22	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/08/17 14:22	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/08/17 14:22	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/08/17 14:22	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/08/17 14:22	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 14:22	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/08/17 14:22	79-00-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-24-S **Lab ID: 40154369023** Collected: 08/01/17 08:20 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/08/17 14:22	79-01-6	
Trichlorofluoromethane	0.27J	ug/L	1.0	0.18	1		08/08/17 14:22	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/08/17 14:22	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/08/17 14:22	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	61-130		1		08/08/17 14:22	460-00-4	
Dibromofluoromethane (S)	97	%	67-130		1		08/08/17 14:22	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		08/08/17 14:22	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

Sample: SB-25-S **Lab ID: 40154369024** Collected: 08/01/17 09:10 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	21.5J	ug/L	25.0	8.3	1	08/08/17 08:17	08/08/17 16:10	7440-38-2	
Barium	473	ug/L	5.0	1.5	1	08/08/17 08:17	08/08/17 16:10	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/08/17 08:17	08/08/17 16:10	7440-43-9	
Chromium	33.6	ug/L	10.0	2.5	1	08/08/17 08:17	08/08/17 16:10	7440-47-3	
Lead	14.4	ug/L	13.0	4.3	1	08/08/17 08:17	08/08/17 16:10	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/08/17 08:17	08/08/17 16:10	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/08/17 08:17	08/08/17 16:10	7440-22-4	
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	<0.13	ug/L	0.42	0.13	1	08/11/17 10:35	08/14/17 09:58	7439-97-6	
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1,2,4-Trichlorobenzene	<2.0	ug/L	6.5	2.0	1	08/07/17 08:15	08/14/17 13:17	120-82-1	
1,2-Dichlorobenzene	<1.9	ug/L	6.2	1.9	1	08/07/17 08:15	08/14/17 13:17	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/14/17 13:17	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/14/17 13:17	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	4.9	1.5	1	08/07/17 08:15	08/14/17 13:17	108-60-1	
2,4,5-Trichlorophenol	<0.81	ug/L	2.7	0.81	1	08/07/17 08:15	08/14/17 13:17	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.8	2.0	1	08/07/17 08:15	08/14/17 13:17	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.4	1.3	1	08/07/17 08:15	08/14/17 13:17	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.1	1.2	1	08/07/17 08:15	08/14/17 13:17	105-67-9	
2,4-Dinitrophenol	<0.68	ug/L	2.3	0.68	1	08/07/17 08:15	08/14/17 13:17	51-28-5	
2,4-Dinitrotoluene	<0.76	ug/L	2.5	0.76	1	08/07/17 08:15	08/14/17 13:17	121-14-2	
2,6-Dinitrotoluene	<0.58	ug/L	1.9	0.58	1	08/07/17 08:15	08/14/17 13:17	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.3	1.6	1	08/07/17 08:15	08/14/17 13:17	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.7	1.1	1	08/07/17 08:15	08/14/17 13:17	95-57-8	
2-Methylnaphthalene	<1.5	ug/L	4.9	1.5	1	08/07/17 08:15	08/14/17 13:17	91-57-6	
2-Methylphenol(o-Cresol)	<0.83	ug/L	2.8	0.83	1	08/07/17 08:15	08/14/17 13:17	95-48-7	
2-Nitroaniline	<0.74	ug/L	2.5	0.74	1	08/07/17 08:15	08/14/17 13:17	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/07/17 08:15	08/14/17 13:17	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.0	1.5	1	08/07/17 08:15	08/14/17 13:17		
3,3'-Dichlorobenzidine	<0.87	ug/L	2.9	0.87	1	08/07/17 08:15	08/14/17 13:17	91-94-1	
3-Nitroaniline	<0.93	ug/L	3.1	0.93	1	08/07/17 08:15	08/14/17 13:17	99-09-2	
4,6-Dinitro-2-methylphenol	<0.63	ug/L	2.1	0.63	1	08/07/17 08:15	08/14/17 13:17	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.3	1.9	1	08/07/17 08:15	08/14/17 13:17	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.4	1.6	1	08/07/17 08:15	08/14/17 13:17	59-50-7	
4-Chloroaniline	<1.1	ug/L	3.5	1.1	1	08/07/17 08:15	08/14/17 13:17	106-47-8	
4-Chlorophenylphenyl ether	<0.79	ug/L	2.6	0.79	1	08/07/17 08:15	08/14/17 13:17	7005-72-3	
4-Nitroaniline	<1.8	ug/L	5.9	1.8	1	08/07/17 08:15	08/14/17 13:17	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.4	1.0	1	08/07/17 08:15	08/14/17 13:17	100-02-7	
Acenaphthene	<1.3	ug/L	4.3	1.3	1	08/07/17 08:15	08/14/17 13:17	83-32-9	
Acenaphthylene	<1.0	ug/L	3.4	1.0	1	08/07/17 08:15	08/14/17 13:17	208-96-8	
Anthracene	<1.7	ug/L	5.8	1.7	1	08/07/17 08:15	08/14/17 13:17	120-12-7	
Benzo(a)anthracene	<0.51	ug/L	1.7	0.51	1	08/07/17 08:15	08/14/17 13:17	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/14/17 13:17	50-32-8	
Benzo(b)fluoranthene	<0.63	ug/L	2.1	0.63	1	08/07/17 08:15	08/14/17 13:17	205-99-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Sample Project No.: 40154369

Sample: **SB-25-S** Lab ID: **40154369024** Collected: 08/01/17 09:10 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.78	ug/L	2.6	0.78	1	08/07/17 08:15	08/14/17 13:17	191-24-2	
Benzo(k)fluoranthene	<0.96	ug/L	3.2	0.96	1	08/07/17 08:15	08/14/17 13:17	207-08-9	
Butylbenzylphthalate	<0.74	ug/L	2.5	0.74	1	08/07/17 08:15	08/14/17 13:17	85-68-7	
Carbazole	<0.72	ug/L	2.4	0.72	1	08/07/17 08:15	08/14/17 13:17	86-74-8	
Chrysene	<1.7	ug/L	5.6	1.7	1	08/07/17 08:15	08/14/17 13:17	218-01-9	
Di-n-butylphthalate	<2.5	ug/L	8.2	2.5	1	08/07/17 08:15	08/14/17 13:17	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.1	1.8	1	08/07/17 08:15	08/14/17 13:17	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.2	1.3	1	08/07/17 08:15	08/14/17 13:17	53-70-3	
Dibenzofuran	<0.74	ug/L	2.5	0.74	1	08/07/17 08:15	08/14/17 13:17	132-64-9	
Diethylphthalate	<1.0	ug/L	3.5	1.0	1	08/07/17 08:15	08/14/17 13:17	84-66-2	
Dimethylphthalate	<1.9	ug/L	6.2	1.9	1	08/07/17 08:15	08/14/17 13:17	131-11-3	
Fluoranthene	<0.54	ug/L	1.8	0.54	1	08/07/17 08:15	08/14/17 13:17	206-44-0	
Fluorene	<0.72	ug/L	2.4	0.72	1	08/07/17 08:15	08/14/17 13:17	86-73-7	
Hexachloro-1,3-butadiene	<2.4	ug/L	7.9	2.4	1	08/07/17 08:15	08/14/17 13:17	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.4	1.6	1	08/07/17 08:15	08/14/17 13:17	118-74-1	
Hexachlorocyclopentadiene	<0.65	ug/L	2.2	0.65	1	08/07/17 08:15	08/14/17 13:17	77-47-4	
Hexachloroethane	<2.6	ug/L	8.5	2.6	1	08/07/17 08:15	08/14/17 13:17	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.8	1.4	1	08/07/17 08:15	08/14/17 13:17	193-39-5	
Isophorone	<0.71	ug/L	2.4	0.71	1	08/07/17 08:15	08/14/17 13:17	78-59-1	
N-Nitroso-di-n-propylamine	<0.93	ug/L	3.1	0.93	1	08/07/17 08:15	08/14/17 13:17	621-64-7	
N-Nitrosodiphenylamine	<3.4	ug/L	11.3	3.4	1	08/07/17 08:15	08/14/17 13:17	86-30-6	
Naphthalene	<1.8	ug/L	6.1	1.8	1	08/07/17 08:15	08/14/17 13:17	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/07/17 08:15	08/14/17 13:17	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.6	1.4	1	08/07/17 08:15	08/14/17 13:17	87-86-5	
Phenanthrene	<1.8	ug/L	5.8	1.8	1	08/07/17 08:15	08/14/17 13:17	85-01-8	
Phenol	<0.58	ug/L	1.9	0.58	1	08/07/17 08:15	08/14/17 13:17	108-95-2	
Pyrene	<1.3	ug/L	4.3	1.3	1	08/07/17 08:15	08/14/17 13:17	129-00-0	
bis(2-Chloroethoxy)methane	<0.96	ug/L	3.2	0.96	1	08/07/17 08:15	08/14/17 13:17	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.1	1.5	1	08/07/17 08:15	08/14/17 13:17	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.67	ug/L	2.2	0.67	1	08/07/17 08:15	08/14/17 13:17	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	89	%	53-100		1	08/07/17 08:15	08/14/17 13:17	4165-60-0	
2-Fluorobiphenyl (S)	80	%	59-109		1	08/07/17 08:15	08/14/17 13:17	321-60-8	
Terphenyl-d14 (S)	80	%	59-108		1	08/07/17 08:15	08/14/17 13:17	1718-51-0	
Phenol-d6 (S)	31	%	18-120		1	08/07/17 08:15	08/14/17 13:17	13127-88-3	
2-Fluorophenol (S)	49	%	27-67		1	08/07/17 08:15	08/14/17 13:17	367-12-4	
2,4,6-Tribromophenol (S)	103	%	65-140		1	08/07/17 08:15	08/14/17 13:17	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/08/17 14:45	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/08/17 14:45	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/08/17 14:45	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	104-51-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Project No.: 40154369

Sample: SB-25-S **Lab ID: 40154369024** Collected: 08/01/17 09:10 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 14:45	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/08/17 14:45	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/08/17 14:45	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/08/17 14:45	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/08/17 14:45	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/08/17 14:45	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/08/17 14:45	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/08/17 14:45	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/08/17 14:45	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/08/17 14:45	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/08/17 14:45	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/08/17 14:45	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 14:45	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 14:45	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/08/17 14:45	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/08/17 14:45	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/08/17 14:45	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/08/17 14:45	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/08/17 14:45	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/08/17 14:45	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/08/17 14:45	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/08/17 14:45	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/08/17 14:45	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/08/17 14:45	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/08/17 14:45	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/08/17 14:45	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 14:45	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/08/17 14:45	79-00-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-25-S **Lab ID: 40154369024** Collected: 08/01/17 09:10 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/08/17 14:45	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/08/17 14:45	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/08/17 14:45	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/08/17 14:45	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/08/17 14:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		08/08/17 14:45	460-00-4	
Dibromofluoromethane (S)	93	%	67-130		1		08/08/17 14:45	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		08/08/17 14:45	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-8-S Lab ID: 40154369025 Collected: 08/01/17 10:00 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	76.4	ug/L	13.0	4.3	1	08/08/17 08:17	08/08/17 16:12	7439-92-1	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	0.066J	ug/L	0.29	0.057	10	08/07/17 13:40	08/09/17 13:05	83-32-9	
Acenaphthylene	<0.047	ug/L	0.23	0.047	10	08/07/17 13:40	08/09/17 13:05	208-96-8	
Anthracene	<0.099	ug/L	0.49	0.099	10	08/07/17 13:40	08/09/17 13:05	120-12-7	
Benzo(a)anthracene	<0.071	ug/L	0.36	0.071	10	08/07/17 13:40	08/09/17 13:05	56-55-3	
Benzo(a)pyrene	<0.099	ug/L	0.50	0.099	10	08/07/17 13:40	08/09/17 13:05	50-32-8	
Benzo(b)fluoranthene	<0.054	ug/L	0.27	0.054	10	08/07/17 13:40	08/09/17 13:05	205-99-2	
Benzo(g,h,i)perylene	<0.064	ug/L	0.32	0.064	10	08/07/17 13:40	08/09/17 13:05	191-24-2	
Benzo(k)fluoranthene	<0.071	ug/L	0.36	0.071	10	08/07/17 13:40	08/09/17 13:05	207-08-9	
Chrysene	<0.12	ug/L	0.62	0.12	10	08/07/17 13:40	08/09/17 13:05	218-01-9	
Dibenz(a,h)anthracene	<0.095	ug/L	0.47	0.095	10	08/07/17 13:40	08/09/17 13:05	53-70-3	
Fluoranthene	<0.10	ug/L	0.50	0.10	10	08/07/17 13:40	08/09/17 13:05	206-44-0	
Fluorene	<0.075	ug/L	0.38	0.075	10	08/07/17 13:40	08/09/17 13:05	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.17	ug/L	0.83	0.17	10	08/07/17 13:40	08/09/17 13:05	193-39-5	
1-Methylnaphthalene	5.6	ug/L	0.28	0.056	10	08/07/17 13:40	08/09/17 13:05	90-12-0	
2-Methylnaphthalene	10	ug/L	0.23	0.046	10	08/07/17 13:40	08/09/17 13:05	91-57-6	
Naphthalene	79.5	ug/L	0.86	0.17	10	08/07/17 13:40	08/09/17 13:05	91-20-3	
Phenanthrene	0.14J	ug/L	0.65	0.13	10	08/07/17 13:40	08/09/17 13:05	85-01-8	B
Pyrene	<0.072	ug/L	0.36	0.072	10	08/07/17 13:40	08/09/17 13:05	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	46	%	35-84		10	08/07/17 13:40	08/09/17 13:05	321-60-8	
Terphenyl-d14 (S)	45	%	10-129		10	08/07/17 13:40	08/09/17 13:05	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	28.2J	ug/L	50.0	25.0	50		08/08/17 12:07	71-43-2	
Bromobenzene	<11.5	ug/L	50.0	11.5	50		08/08/17 12:07	108-86-1	
Bromochloromethane	<17.0	ug/L	50.0	17.0	50		08/08/17 12:07	74-97-5	
Bromodichloromethane	<25.0	ug/L	50.0	25.0	50		08/08/17 12:07	75-27-4	
Bromoform	<25.0	ug/L	50.0	25.0	50		08/08/17 12:07	75-25-2	
Bromomethane	<122	ug/L	250	122	50		08/08/17 12:07	74-83-9	
n-Butylbenzene	<25.0	ug/L	50.0	25.0	50		08/08/17 12:07	104-51-8	
sec-Butylbenzene	<109	ug/L	250	109	50		08/08/17 12:07	135-98-8	
tert-Butylbenzene	<9.0	ug/L	50.0	9.0	50		08/08/17 12:07	98-06-6	
Carbon tetrachloride	<25.0	ug/L	50.0	25.0	50		08/08/17 12:07	56-23-5	
Chlorobenzene	<25.0	ug/L	50.0	25.0	50		08/08/17 12:07	108-90-7	
Chloroethane	<18.7	ug/L	50.0	18.7	50		08/08/17 12:07	75-00-3	
Chloroform	<125	ug/L	250	125	50		08/08/17 12:07	67-66-3	
Chloromethane	<25.0	ug/L	50.0	25.0	50		08/08/17 12:07	74-87-3	
2-Chlorotoluene	<25.0	ug/L	50.0	25.0	50		08/08/17 12:07	95-49-8	
4-Chlorotoluene	<10.7	ug/L	50.0	10.7	50		08/08/17 12:07	106-43-4	
1,2-Dibromo-3-chloropropane	<108	ug/L	250	108	50		08/08/17 12:07	96-12-8	
Dibromochloromethane	<25.0	ug/L	50.0	25.0	50		08/08/17 12:07	124-48-1	
1,2-Dibromoethane (EDB)	<8.9	ug/L	50.0	8.9	50		08/08/17 12:07	106-93-4	
Dibromomethane	<21.3	ug/L	50.0	21.3	50		08/08/17 12:07	74-95-3	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-8-S** Lab ID: **40154369025** Collected: 08/01/17 10:00 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<25.0	ug/L	50.0	25.0	50		08/08/17 12:07	95-50-1	
1,3-Dichlorobenzene	<25.0	ug/L	50.0	25.0	50		08/08/17 12:07	541-73-1	
1,4-Dichlorobenzene	<25.0	ug/L	50.0	25.0	50		08/08/17 12:07	106-46-7	
Dichlorodifluoromethane	<11.2	ug/L	50.0	11.2	50		08/08/17 12:07	75-71-8	
1,1-Dichloroethane	<12.1	ug/L	50.0	12.1	50		08/08/17 12:07	75-34-3	
1,2-Dichloroethane	<8.4	ug/L	50.0	8.4	50		08/08/17 12:07	107-06-2	
1,1-Dichloroethene	<20.5	ug/L	50.0	20.5	50		08/08/17 12:07	75-35-4	
cis-1,2-Dichloroethene	<12.8	ug/L	50.0	12.8	50		08/08/17 12:07	156-59-2	
trans-1,2-Dichloroethene	<12.8	ug/L	50.0	12.8	50		08/08/17 12:07	156-60-5	
1,2-Dichloropropane	<11.7	ug/L	50.0	11.7	50		08/08/17 12:07	78-87-5	
1,3-Dichloropropane	<25.0	ug/L	50.0	25.0	50		08/08/17 12:07	142-28-9	
2,2-Dichloropropane	<24.2	ug/L	50.0	24.2	50		08/08/17 12:07	594-20-7	
1,1-Dichloropropene	<22.1	ug/L	50.0	22.1	50		08/08/17 12:07	563-58-6	
cis-1,3-Dichloropropene	<25.0	ug/L	50.0	25.0	50		08/08/17 12:07	10061-01-5	
trans-1,3-Dichloropropene	<11.5	ug/L	50.0	11.5	50		08/08/17 12:07	10061-02-6	
Diisopropyl ether	<25.0	ug/L	50.0	25.0	50		08/08/17 12:07	108-20-3	
Ethylbenzene	2250	ug/L	50.0	25.0	50		08/08/17 12:07	100-41-4	
Hexachloro-1,3-butadiene	<105	ug/L	250	105	50		08/08/17 12:07	87-68-3	
Isopropylbenzene (Cumene)	89.6	ug/L	50.0	7.2	50		08/08/17 12:07	98-82-8	
p-Isopropyltoluene	<25.0	ug/L	50.0	25.0	50		08/08/17 12:07	99-87-6	
Methylene Chloride	<11.6	ug/L	50.0	11.6	50		08/08/17 12:07	75-09-2	
Methyl-tert-butyl ether	<8.7	ug/L	50.0	8.7	50		08/08/17 12:07	1634-04-4	
Naphthalene	173J	ug/L	250	125	50		08/08/17 12:07	91-20-3	
n-Propylbenzene	190	ug/L	50.0	25.0	50		08/08/17 12:07	103-65-1	
Styrene	<25.0	ug/L	50.0	25.0	50		08/08/17 12:07	100-42-5	
1,1,1,2-Tetrachloroethane	<9.0	ug/L	50.0	9.0	50		08/08/17 12:07	630-20-6	
1,1,2,2-Tetrachloroethane	<12.5	ug/L	50.0	12.5	50		08/08/17 12:07	79-34-5	
Tetrachloroethene	<25.0	ug/L	50.0	25.0	50		08/08/17 12:07	127-18-4	
Toluene	<25.0	ug/L	50.0	25.0	50		08/08/17 12:07	108-88-3	
1,2,3-Trichlorobenzene	<107	ug/L	250	107	50		08/08/17 12:07	87-61-6	
1,2,4-Trichlorobenzene	<110	ug/L	250	110	50		08/08/17 12:07	120-82-1	
1,1,1-Trichloroethane	<25.0	ug/L	50.0	25.0	50		08/08/17 12:07	71-55-6	
1,1,2-Trichloroethane	<9.9	ug/L	50.0	9.9	50		08/08/17 12:07	79-00-5	
Trichloroethene	<16.5	ug/L	50.0	16.5	50		08/08/17 12:07	79-01-6	
Trichlorofluoromethane	<9.2	ug/L	50.0	9.2	50		08/08/17 12:07	75-69-4	
1,2,3-Trichloropropane	<25.0	ug/L	50.0	25.0	50		08/08/17 12:07	96-18-4	
1,2,4-Trimethylbenzene	1120	ug/L	50.0	25.0	50		08/08/17 12:07	95-63-6	
1,3,5-Trimethylbenzene	291	ug/L	50.0	25.0	50		08/08/17 12:07	108-67-8	
Vinyl chloride	<8.8	ug/L	50.0	8.8	50		08/08/17 12:07	75-01-4	
m&p-Xylene	3920	ug/L	100	50.0	50		08/08/17 12:07	179601-23-1	
o-Xylene	83.1	ug/L	50.0	25.0	50		08/08/17 12:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		50		08/08/17 12:07	460-00-4	pH
Dibromofluoromethane (S)	89	%	67-130		50		08/08/17 12:07	1868-53-7	
Toluene-d8 (S)	95	%	70-130		50		08/08/17 12:07	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-43-S** Lab ID: **40154369026** Collected: 08/01/17 10:45 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	14.3	ug/L	13.0	4.3	1	08/08/17 08:17	08/08/17 16:15	7439-92-1	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	0.013J	ug/L	0.030	0.0061	1	08/07/17 13:40	08/08/17 21:21	83-32-9	
Acenaphthylene	<0.0050	ug/L	0.025	0.0050	1	08/07/17 13:40	08/08/17 21:21	208-96-8	
Anthracene	0.012J	ug/L	0.052	0.010	1	08/07/17 13:40	08/08/17 21:21	120-12-7	
Benzo(a)anthracene	<0.0076	ug/L	0.038	0.0076	1	08/07/17 13:40	08/08/17 21:21	56-55-3	
Benzo(a)pyrene	<0.011	ug/L	0.053	0.011	1	08/07/17 13:40	08/08/17 21:21	50-32-8	
Benzo(b)fluoranthene	<0.0057	ug/L	0.029	0.0057	1	08/07/17 13:40	08/08/17 21:21	205-99-2	
Benzo(g,h,i)perylene	<0.0068	ug/L	0.034	0.0068	1	08/07/17 13:40	08/08/17 21:21	191-24-2	
Benzo(k)fluoranthene	<0.0076	ug/L	0.038	0.0076	1	08/07/17 13:40	08/08/17 21:21	207-08-9	
Chrysene	<0.013	ug/L	0.065	0.013	1	08/07/17 13:40	08/08/17 21:21	218-01-9	
Dibenz(a,h)anthracene	<0.010	ug/L	0.050	0.010	1	08/07/17 13:40	08/08/17 21:21	53-70-3	
Fluoranthene	0.013J	ug/L	0.053	0.011	1	08/07/17 13:40	08/08/17 21:21	206-44-0	
Fluorene	<0.0080	ug/L	0.040	0.0080	1	08/07/17 13:40	08/08/17 21:21	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.018	ug/L	0.088	0.018	1	08/07/17 13:40	08/08/17 21:21	193-39-5	
1-Methylnaphthalene	<0.0059	ug/L	0.030	0.0059	1	08/07/17 13:40	08/08/17 21:21	90-12-0	
2-Methylnaphthalene	<0.0049	ug/L	0.024	0.0049	1	08/07/17 13:40	08/08/17 21:21	91-57-6	
Naphthalene	0.026J	ug/L	0.092	0.018	1	08/07/17 13:40	08/08/17 21:21	91-20-3	
Phenanthrene	0.035J	ug/L	0.069	0.014	1	08/07/17 13:40	08/08/17 21:21	85-01-8	B
Pyrene	0.015J	ug/L	0.038	0.0076	1	08/07/17 13:40	08/08/17 21:21	129-00-0	B
Surrogates									
2-Fluorobiphenyl (S)	47	%	35-84		1	08/07/17 13:40	08/08/17 21:21	321-60-8	
Terphenyl-d14 (S)	62	%	10-129		1	08/07/17 13:40	08/08/17 21:21	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/08/17 15:07	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/08/17 15:07	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/08/17 15:07	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 15:07	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/08/17 15:07	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/08/17 15:07	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/08/17 15:07	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/08/17 15:07	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/08/17 15:07	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/08/17 15:07	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/08/17 15:07	74-95-3	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-43-S **Lab ID: 40154369026** Collected: 08/01/17 10:45 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/08/17 15:07	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/08/17 15:07	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/08/17 15:07	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/08/17 15:07	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 15:07	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 15:07	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/08/17 15:07	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/08/17 15:07	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/08/17 15:07	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/08/17 15:07	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/08/17 15:07	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/08/17 15:07	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/08/17 15:07	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/08/17 15:07	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/08/17 15:07	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/08/17 15:07	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/08/17 15:07	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/08/17 15:07	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 15:07	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/08/17 15:07	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/08/17 15:07	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/08/17 15:07	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/08/17 15:07	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/08/17 15:07	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	61-130		1		08/08/17 15:07	460-00-4	
Dibromofluoromethane (S)	98	%	67-130		1		08/08/17 15:07	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		08/08/17 15:07	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-44-S** Lab ID: **40154369027** Collected: 08/01/17 11:10 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	<4.3	ug/L	13.0	4.3	1	08/08/17 08:17	08/08/17 16:17	7439-92-1	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	0.0077J	ug/L	0.030	0.0061	1	08/07/17 13:40	08/08/17 14:51	83-32-9	
Acenaphthylene	<0.0050	ug/L	0.025	0.0050	1	08/07/17 13:40	08/08/17 14:51	208-96-8	
Anthracene	0.047J	ug/L	0.052	0.010	1	08/07/17 13:40	08/08/17 14:51	120-12-7	
Benzo(a)anthracene	<0.0076	ug/L	0.038	0.0076	1	08/07/17 13:40	08/08/17 14:51	56-55-3	
Benzo(a)pyrene	0.015J	ug/L	0.053	0.011	1	08/07/17 13:40	08/08/17 14:51	50-32-8	
Benzo(b)fluoranthene	0.020J	ug/L	0.029	0.0057	1	08/07/17 13:40	08/08/17 14:51	205-99-2	
Benzo(g,h,i)perylene	0.019J	ug/L	0.034	0.0068	1	08/07/17 13:40	08/08/17 14:51	191-24-2	
Benzo(k)fluoranthene	0.010J	ug/L	0.038	0.0076	1	08/07/17 13:40	08/08/17 14:51	207-08-9	
Chrysene	0.029J	ug/L	0.065	0.013	1	08/07/17 13:40	08/08/17 14:51	218-01-9	
Dibenz(a,h)anthracene	<0.010	ug/L	0.050	0.010	1	08/07/17 13:40	08/08/17 14:51	53-70-3	
Fluoranthene	0.036J	ug/L	0.053	0.011	1	08/07/17 13:40	08/08/17 14:51	206-44-0	
Fluorene	0.010J	ug/L	0.040	0.0080	1	08/07/17 13:40	08/08/17 14:51	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.018	ug/L	0.088	0.018	1	08/07/17 13:40	08/08/17 14:51	193-39-5	
1-Methylnaphthalene	0.0099J	ug/L	0.030	0.0059	1	08/07/17 13:40	08/08/17 14:51	90-12-0	
2-Methylnaphthalene	<0.0049	ug/L	0.024	0.0049	1	08/07/17 13:40	08/08/17 14:51	91-57-6	
Naphthalene	0.031J	ug/L	0.092	0.018	1	08/07/17 13:40	08/08/17 14:51	91-20-3	
Phenanthrene	0.064J	ug/L	0.069	0.014	1	08/07/17 13:40	08/08/17 14:51	85-01-8	B
Pyrene	0.038J	ug/L	0.038	0.0076	1	08/07/17 13:40	08/08/17 14:51	129-00-0	B
Surrogates									
2-Fluorobiphenyl (S)	49	%	35-84		1	08/07/17 13:40	08/08/17 14:51	321-60-8	
Terphenyl-d14 (S)	53	%	10-129		1	08/07/17 13:40	08/08/17 14:51	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	23.3	ug/L	1.0	0.50	1		08/09/17 01:02	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/09/17 01:02	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/09/17 01:02	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/09/17 01:02	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/09/17 01:02	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/09/17 01:02	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:02	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/09/17 01:02	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/09/17 01:02	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/09/17 01:02	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:02	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/09/17 01:02	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/09/17 01:02	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/09/17 01:02	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:02	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/09/17 01:02	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/09/17 01:02	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/09/17 01:02	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/09/17 01:02	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/09/17 01:02	74-95-3	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: **SB-44-S** Lab ID: **40154369027** Collected: 08/01/17 11:10 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:02	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:02	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:02	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/09/17 01:02	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/09/17 01:02	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/09/17 01:02	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/09/17 01:02	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/09/17 01:02	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/09/17 01:02	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/09/17 01:02	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/09/17 01:02	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/09/17 01:02	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/09/17 01:02	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:02	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/09/17 01:02	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/09/17 01:02	108-20-3	
Ethylbenzene	1.3	ug/L	1.0	0.50	1		08/09/17 01:02	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/09/17 01:02	87-68-3	
Isopropylbenzene (Cumene)	0.18J	ug/L	1.0	0.14	1		08/09/17 01:02	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:02	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/09/17 01:02	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/09/17 01:02	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/09/17 01:02	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:02	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:02	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/09/17 01:02	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/09/17 01:02	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:02	127-18-4	
Toluene	10.8	ug/L	1.0	0.50	1		08/09/17 01:02	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/09/17 01:02	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/09/17 01:02	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/09/17 01:02	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/09/17 01:02	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/09/17 01:02	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/09/17 01:02	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/09/17 01:02	96-18-4	
1,2,4-Trimethylbenzene	0.73J	ug/L	1.0	0.50	1		08/09/17 01:02	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:02	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/09/17 01:02	75-01-4	
m&p-Xylene	5.2	ug/L	2.0	1.0	1		08/09/17 01:02	179601-23-1	
o-Xylene	2.2	ug/L	1.0	0.50	1		08/09/17 01:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		1		08/09/17 01:02	460-00-4	
Dibromofluoromethane (S)	96	%	67-130		1		08/09/17 01:02	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		08/09/17 01:02	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-48-S **Lab ID: 40154369028** Collected: 08/01/17 11:40 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	25.8	ug/L	25.0	8.3	1	08/08/17 08:17	08/08/17 16:20	7440-38-2	
Barium	239	ug/L	5.0	1.5	1	08/08/17 08:17	08/08/17 16:20	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/08/17 08:17	08/08/17 16:20	7440-43-9	
Chromium	61.5	ug/L	10.0	2.5	1	08/08/17 08:17	08/08/17 16:20	7440-47-3	
Lead	44.7	ug/L	13.0	4.3	1	08/08/17 08:17	08/08/17 16:20	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/08/17 08:17	08/08/17 16:20	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/08/17 08:17	08/08/17 16:20	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.13	ug/L	0.42	0.13	1	08/11/17 10:35	08/14/17 10:01	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,2,4-Trichlorobenzene	<1.9	ug/L	6.5	1.9	1	08/07/17 08:15	08/14/17 13:39	120-82-1	
1,2-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/07/17 08:15	08/14/17 13:39	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/14/17 13:39	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/14/17 13:39	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	4.8	1.5	1	08/07/17 08:15	08/14/17 13:39	108-60-1	
2,4,5-Trichlorophenol	<0.80	ug/L	2.7	0.80	1	08/07/17 08:15	08/14/17 13:39	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.7	2.0	1	08/07/17 08:15	08/14/17 13:39	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.3	1.3	1	08/07/17 08:15	08/14/17 13:39	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.0	1.2	1	08/07/17 08:15	08/14/17 13:39	105-67-9	
2,4-Dinitrophenol	<0.68	ug/L	2.3	0.68	1	08/07/17 08:15	08/14/17 13:39	51-28-5	
2,4-Dinitrotoluene	<0.75	ug/L	2.5	0.75	1	08/07/17 08:15	08/14/17 13:39	121-14-2	
2,6-Dinitrotoluene	<0.57	ug/L	1.9	0.57	1	08/07/17 08:15	08/14/17 13:39	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.2	1.6	1	08/07/17 08:15	08/14/17 13:39	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.7	1.1	1	08/07/17 08:15	08/14/17 13:39	95-57-8	
2-Methylnaphthalene	<1.4	ug/L	4.8	1.4	1	08/07/17 08:15	08/14/17 13:39	91-57-6	
2-Methylphenol(o-Cresol)	<0.83	ug/L	2.8	0.83	1	08/07/17 08:15	08/14/17 13:39	95-48-7	
2-Nitroaniline	<0.74	ug/L	2.5	0.74	1	08/07/17 08:15	08/14/17 13:39	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/07/17 08:15	08/14/17 13:39	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.0	1.5	1	08/07/17 08:15	08/14/17 13:39		
3,3'-Dichlorobenzidine	<0.86	ug/L	2.9	0.86	1	08/07/17 08:15	08/14/17 13:39	91-94-1	
3-Nitroaniline	<0.92	ug/L	3.1	0.92	1	08/07/17 08:15	08/14/17 13:39	99-09-2	
4,6-Dinitro-2-methylphenol	<0.62	ug/L	2.1	0.62	1	08/07/17 08:15	08/14/17 13:39	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.3	1.9	1	08/07/17 08:15	08/14/17 13:39	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.4	1.6	1	08/07/17 08:15	08/14/17 13:39	59-50-7	
4-Chloroaniline	<1.0	ug/L	3.5	1.0	1	08/07/17 08:15	08/14/17 13:39	106-47-8	
4-Chlorophenylphenyl ether	<0.78	ug/L	2.6	0.78	1	08/07/17 08:15	08/14/17 13:39	7005-72-3	
4-Nitroaniline	<1.7	ug/L	5.8	1.7	1	08/07/17 08:15	08/14/17 13:39	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.3	1.0	1	08/07/17 08:15	08/14/17 13:39	100-02-7	
Acenaphthene	<1.3	ug/L	4.3	1.3	1	08/07/17 08:15	08/14/17 13:39	83-32-9	
Acenaphthylene	<1.0	ug/L	3.4	1.0	1	08/07/17 08:15	08/14/17 13:39	208-96-8	
Anthracene	<1.7	ug/L	5.7	1.7	1	08/07/17 08:15	08/14/17 13:39	120-12-7	
Benzo(a)anthracene	<0.51	ug/L	1.7	0.51	1	08/07/17 08:15	08/14/17 13:39	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/14/17 13:39	50-32-8	
Benzo(b)fluoranthene	<0.62	ug/L	2.1	0.62	1	08/07/17 08:15	08/14/17 13:39	205-99-2	

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Sample Project No.: 40154369

Sample: **SB-48-S** Lab ID: **40154369028** Collected: 08/01/17 11:40 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.77	ug/L	2.6	0.77	1	08/07/17 08:15	08/14/17 13:39	191-24-2	
Benzo(k)fluoranthene	<0.95	ug/L	3.2	0.95	1	08/07/17 08:15	08/14/17 13:39	207-08-9	
Butylbenzylphthalate	<0.74	ug/L	2.5	0.74	1	08/07/17 08:15	08/14/17 13:39	85-68-7	
Carbazole	<0.71	ug/L	2.4	0.71	1	08/07/17 08:15	08/14/17 13:39	86-74-8	
Chrysene	<1.7	ug/L	5.5	1.7	1	08/07/17 08:15	08/14/17 13:39	218-01-9	
Di-n-butylphthalate	<2.4	ug/L	8.1	2.4	1	08/07/17 08:15	08/14/17 13:39	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/14/17 13:39	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.2	1.3	1	08/07/17 08:15	08/14/17 13:39	53-70-3	
Dibenzofuran	<0.73	ug/L	2.4	0.73	1	08/07/17 08:15	08/14/17 13:39	132-64-9	
Diethylphthalate	<1.0	ug/L	3.4	1.0	1	08/07/17 08:15	08/14/17 13:39	84-66-2	
Dimethylphthalate	<1.8	ug/L	6.1	1.8	1	08/07/17 08:15	08/14/17 13:39	131-11-3	
Fluoranthene	<0.54	ug/L	1.8	0.54	1	08/07/17 08:15	08/14/17 13:39	206-44-0	
Fluorene	<0.71	ug/L	2.4	0.71	1	08/07/17 08:15	08/14/17 13:39	86-73-7	
Hexachloro-1,3-butadiene	<2.3	ug/L	7.8	2.3	1	08/07/17 08:15	08/14/17 13:39	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.4	1.6	1	08/07/17 08:15	08/14/17 13:39	118-74-1	
Hexachlorocyclopentadiene	<0.65	ug/L	2.2	0.65	1	08/07/17 08:15	08/14/17 13:39	77-47-4	
Hexachloroethane	<2.5	ug/L	8.4	2.5	1	08/07/17 08:15	08/14/17 13:39	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.8	1.4	1	08/07/17 08:15	08/14/17 13:39	193-39-5	
Isophorone	<0.70	ug/L	2.3	0.70	1	08/07/17 08:15	08/14/17 13:39	78-59-1	
N-Nitroso-di-n-propylamine	<0.92	ug/L	3.1	0.92	1	08/07/17 08:15	08/14/17 13:39	621-64-7	
N-Nitrosodiphenylamine	<3.4	ug/L	11.2	3.4	1	08/07/17 08:15	08/14/17 13:39	86-30-6	
Naphthalene	<1.8	ug/L	6.0	1.8	1	08/07/17 08:15	08/14/17 13:39	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/07/17 08:15	08/14/17 13:39	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.6	1.4	1	08/07/17 08:15	08/14/17 13:39	87-86-5	
Phenanthrene	<1.7	ug/L	5.8	1.7	1	08/07/17 08:15	08/14/17 13:39	85-01-8	
Phenol	<0.57	ug/L	1.9	0.57	1	08/07/17 08:15	08/14/17 13:39	108-95-2	
Pyrene	<1.3	ug/L	4.3	1.3	1	08/07/17 08:15	08/14/17 13:39	129-00-0	
bis(2-Chloroethoxy)methane	<0.95	ug/L	3.2	0.95	1	08/07/17 08:15	08/14/17 13:39	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.0	1.5	1	08/07/17 08:15	08/14/17 13:39	111-44-4	
bis(2-Ethylhexyl)phthalate	2.1J	ug/L	2.2	0.66	1	08/07/17 08:15	08/14/17 13:39	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	85	%	53-100		1	08/07/17 08:15	08/14/17 13:39	4165-60-0	
2-Fluorobiphenyl (S)	73	%	59-109		1	08/07/17 08:15	08/14/17 13:39	321-60-8	
Terphenyl-d14 (S)	74	%	59-108		1	08/07/17 08:15	08/14/17 13:39	1718-51-0	
Phenol-d6 (S)	28	%	18-120		1	08/07/17 08:15	08/14/17 13:39	13127-88-3	
2-Fluorophenol (S)	47	%	27-67		1	08/07/17 08:15	08/14/17 13:39	367-12-4	
2,4,6-Tribromophenol (S)	103	%	65-140		1	08/07/17 08:15	08/14/17 13:39	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/09/17 01:25	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/09/17 01:25	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/09/17 01:25	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	104-51-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-48-S **Lab ID: 40154369028** Collected: 08/01/17 11:40 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/09/17 01:25	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/09/17 01:25	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/09/17 01:25	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/09/17 01:25	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/09/17 01:25	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/09/17 01:25	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/09/17 01:25	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/09/17 01:25	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/09/17 01:25	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/09/17 01:25	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/09/17 01:25	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/09/17 01:25	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/09/17 01:25	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/09/17 01:25	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/09/17 01:25	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/09/17 01:25	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/09/17 01:25	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/09/17 01:25	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/09/17 01:25	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/09/17 01:25	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/09/17 01:25	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/09/17 01:25	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/09/17 01:25	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/09/17 01:25	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/09/17 01:25	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/09/17 01:25	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/09/17 01:25	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/09/17 01:25	79-00-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Sample: SB-48-S **Lab ID: 40154369028** Collected: 08/01/17 11:40 Received: 08/03/17 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/09/17 01:25	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/09/17 01:25	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/09/17 01:25	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/09/17 01:25	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/09/17 01:25	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	61-130		1		08/09/17 01:25	460-00-4	
Dibromofluoromethane (S)	102	%	67-130		1		08/09/17 01:25	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		08/09/17 01:25	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

QC Batch: 264303

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Associated Lab Samples: 40154369017, 40154369018, 40154369023, 40154369024, 40154369028

METHOD BLANK: 1555458

Matrix: Water

Associated Lab Samples: 40154369017, 40154369018, 40154369023, 40154369024, 40154369028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.13	0.42	08/14/17 09:07	

LABORATORY CONTROL SAMPLE: 1555459

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.7	94	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1555460 1555461

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40154413004 Result	Spike Conc.	Spike Conc.	Result						
Mercury	ug/L	<0.13	5	5	4.5	4.7	89	94	85-115	5	20

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

QC Batch: 264416 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 40154369009, 40154369010, 40154369011, 40154369012, 40154369015, 40154369016

METHOD BLANK: 1556304 Matrix: Solid
Associated Lab Samples: 40154369009, 40154369010, 40154369011, 40154369012, 40154369015, 40154369016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.011	0.037	08/15/17 11:13	

LABORATORY CONTROL SAMPLE: 1556305

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.83	0.74	89	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1556306 1556307

Parameter	Units	40154621001 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max		Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	
Mercury	mg/kg	0.016J	.89	.9	0.79	0.84	87	92	85-115	6	20	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

QC Batch: 263652

Analysis Method: EPA 6010

QC Batch Method: EPA 3050

Analysis Description: 6010 MET

Associated Lab Samples: 40154369001, 40154369002, 40154369003, 40154369004, 40154369005, 40154369006, 40154369007, 40154369008, 40154369013, 40154369014

METHOD BLANK: 1551819

Matrix: Solid

Associated Lab Samples: 40154369001, 40154369002, 40154369003, 40154369004, 40154369005, 40154369006, 40154369007, 40154369008, 40154369013, 40154369014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	<0.43	1.3	08/09/17 16:47	

LABORATORY CONTROL SAMPLE & LCSD: 1551820

1551824

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Lead	mg/kg	50	45.8	44.6	92	89	80-120	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1551821

1551822

Parameter	Units	40154316001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	29.3	58.7	58.3	79.6	76.2	86	80	75-125	4	20	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

QC Batch: 263850 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 40154369009, 40154369010, 40154369011, 40154369012, 40154369015, 40154369016

METHOD BLANK: 1552770 Matrix: Solid
Associated Lab Samples: 40154369009, 40154369010, 40154369011, 40154369012, 40154369015, 40154369016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<1.0	5.0	08/09/17 10:26	
Barium	mg/kg	<0.15	0.50	08/09/17 10:26	
Cadmium	mg/kg	<0.13	0.50	08/09/17 10:26	
Chromium	mg/kg	<0.28	1.0	08/09/17 10:26	
Lead	mg/kg	<0.43	1.3	08/09/17 10:26	
Selenium	mg/kg	<1.1	5.0	08/09/17 10:26	
Silver	mg/kg	<0.34	1.0	08/09/17 10:26	

LABORATORY CONTROL SAMPLE: 1552771

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	49.6	99	80-120	
Barium	mg/kg	50	52.6	105	80-120	
Cadmium	mg/kg	50	51.3	103	80-120	
Chromium	mg/kg	50	51.9	104	80-120	
Lead	mg/kg	50	50.6	101	80-120	
Selenium	mg/kg	50	52.2	104	80-120	
Silver	mg/kg	25	25.9	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1552772 1552773

Parameter	Units	40154516001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Arsenic	mg/kg	8.0	60.8	61.2	64.8	66.3	93	95	75-125	2	20		
Barium	mg/kg	77.1	60.8	61.2	143	147	109	114	75-125	2	20		
Cadmium	mg/kg	0.24J	60.8	61.2	58.6	60.2	96	98	75-125	3	20		
Chromium	mg/kg	28.8	60.8	61.2	87.8	90.3	97	101	75-125	3	20		
Lead	mg/kg	56.0	60.8	61.2	70.8	106	24	82	75-125	40	20	M0, R1	
Selenium	mg/kg	<1.4	60.8	61.2	58.0	59.1	95	97	75-125	2	20		
Silver	mg/kg	<0.42	30.4	30.6	30.8	31.6	100	102	75-125	3	20		

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

QC Batch: 263825 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 40154369017, 40154369018, 40154369019, 40154369020, 40154369021, 40154369022, 40154369023, 40154369024, 40154369025, 40154369026, 40154369027, 40154369028

METHOD BLANK: 1552619 Matrix: Water
Associated Lab Samples: 40154369017, 40154369018, 40154369019, 40154369020, 40154369021, 40154369022, 40154369023, 40154369024, 40154369025, 40154369026, 40154369027, 40154369028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	<8.3	25.0	08/08/17 15:38	
Barium	ug/L	<1.5	5.0	08/08/17 15:38	
Cadmium	ug/L	<1.3	5.0	08/08/17 15:38	
Chromium	ug/L	<2.5	10.0	08/08/17 15:38	
Lead	ug/L	<4.3	13.0	08/08/17 15:38	
Selenium	ug/L	<16.6	50.0	08/08/17 15:38	
Silver	ug/L	<3.3	10.0	08/08/17 15:38	

LABORATORY CONTROL SAMPLE: 1552620

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	465	93	80-120	
Barium	ug/L	500	508	102	80-120	
Cadmium	ug/L	500	483	97	80-120	
Chromium	ug/L	500	496	99	80-120	
Lead	ug/L	500	469	94	80-120	
Selenium	ug/L	500	507	101	80-120	
Silver	ug/L	250	254	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1552621 1552622

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40154369017 Result	Spike Conc.	Spike Conc.	MS Result						
Arsenic	ug/L	11.3J	500	500	496	491	97	96	75-125	1	20
Barium	ug/L	164	500	500	686	676	105	102	75-125	2	20
Cadmium	ug/L	<1.3	500	500	508	497	101	99	75-125	2	20
Chromium	ug/L	6.8J	500	500	507	497	100	98	75-125	2	20
Lead	ug/L	<4.3	500	500	480	464	95	92	75-125	3	20
Selenium	ug/L	<16.6	500	500	529	523	105	104	75-125	1	20
Silver	ug/L	<3.3	250	250	266	264	106	105	75-125	1	20

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

QC Batch: 263623

Analysis Method: EPA 8260

QC Batch Method: EPA 5035/5030B

Analysis Description: 8260 MSV Med Level Normal List

Associated Lab Samples: 40154369002, 40154369003, 40154369004, 40154369005, 40154369006, 40154369007, 40154369008, 40154369009

METHOD BLANK: 1551628

Matrix: Solid

Associated Lab Samples: 40154369002, 40154369003, 40154369004, 40154369005, 40154369006, 40154369007, 40154369008, 40154369009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	08/04/17 16:37	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	08/04/17 16:37	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	08/04/17 16:37	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	08/04/17 16:37	
1,1-Dichloroethane	ug/kg	<17.6	50.0	08/04/17 16:37	
1,1-Dichloroethene	ug/kg	<17.6	50.0	08/04/17 16:37	
1,1-Dichloropropene	ug/kg	<14.0	50.0	08/04/17 16:37	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	08/04/17 16:37	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	08/04/17 16:37	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	08/04/17 16:37	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	08/04/17 16:37	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	08/04/17 16:37	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	08/04/17 16:37	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	08/04/17 16:37	
1,2-Dichloroethane	ug/kg	<15.0	50.0	08/04/17 16:37	
1,2-Dichloropropane	ug/kg	<16.8	50.0	08/04/17 16:37	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	08/04/17 16:37	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	08/04/17 16:37	
1,3-Dichloropropane	ug/kg	<12.0	50.0	08/04/17 16:37	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	08/04/17 16:37	
2,2-Dichloropropane	ug/kg	<12.6	50.0	08/04/17 16:37	
2-Chlorotoluene	ug/kg	<15.8	50.0	08/04/17 16:37	
4-Chlorotoluene	ug/kg	<13.0	50.0	08/04/17 16:37	
Benzene	ug/kg	<9.2	20.0	08/04/17 16:37	
Bromobenzene	ug/kg	<20.6	50.0	08/04/17 16:37	
Bromochloromethane	ug/kg	<21.4	50.0	08/04/17 16:37	
Bromodichloromethane	ug/kg	<9.8	50.0	08/04/17 16:37	
Bromoform	ug/kg	<19.8	50.0	08/04/17 16:37	
Bromomethane	ug/kg	<69.9	250	08/04/17 16:37	
Carbon tetrachloride	ug/kg	<12.1	50.0	08/04/17 16:37	
Chlorobenzene	ug/kg	<14.8	50.0	08/04/17 16:37	
Chloroethane	ug/kg	<67.0	250	08/04/17 16:37	
Chloroform	ug/kg	<46.4	250	08/04/17 16:37	
Chloromethane	ug/kg	<20.4	50.0	08/04/17 16:37	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	08/04/17 16:37	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	08/04/17 16:37	
Dibromochloromethane	ug/kg	<17.9	50.0	08/04/17 16:37	
Dibromomethane	ug/kg	<19.3	50.0	08/04/17 16:37	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	08/04/17 16:37	
Diisopropyl ether	ug/kg	<17.7	50.0	08/04/17 16:37	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

METHOD BLANK: 1551628

Matrix: Solid

Associated Lab Samples: 40154369002, 40154369003, 40154369004, 40154369005, 40154369006, 40154369007, 40154369008, 40154369009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<12.4	50.0	08/04/17 16:37	
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	08/04/17 16:37	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	08/04/17 16:37	
m&p-Xylene	ug/kg	<34.4	100	08/04/17 16:37	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	08/04/17 16:37	
Methylene Chloride	ug/kg	<16.2	50.0	08/04/17 16:37	
n-Butylbenzene	ug/kg	<10.5	50.0	08/04/17 16:37	
n-Propylbenzene	ug/kg	<11.6	50.0	08/04/17 16:37	
Naphthalene	ug/kg	<40.0	250	08/04/17 16:37	
o-Xylene	ug/kg	<14.0	50.0	08/04/17 16:37	
p-Isopropyltoluene	ug/kg	<12.0	50.0	08/04/17 16:37	
sec-Butylbenzene	ug/kg	<11.9	50.0	08/04/17 16:37	
Styrene	ug/kg	<9.0	50.0	08/04/17 16:37	
tert-Butylbenzene	ug/kg	<9.5	50.0	08/04/17 16:37	
Tetrachloroethene	ug/kg	<12.9	50.0	08/04/17 16:37	
Toluene	ug/kg	<11.2	50.0	08/04/17 16:37	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	08/04/17 16:37	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	08/04/17 16:37	
Trichloroethene	ug/kg	<23.6	50.0	08/04/17 16:37	
Trichlorofluoromethane	ug/kg	<24.7	50.0	08/04/17 16:37	
Vinyl chloride	ug/kg	<21.1	50.0	08/04/17 16:37	
4-Bromofluorobenzene (S)	%	87	58-141	08/04/17 16:37	
Dibromofluoromethane (S)	%	104	68-130	08/04/17 16:37	
Toluene-d8 (S)	%	105	68-149	08/04/17 16:37	

LABORATORY CONTROL SAMPLE: 1551629

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2350	94	61-122	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2700	108	73-130	
1,1,2-Trichloroethane	ug/kg	2500	2740	109	70-130	
1,1-Dichloroethane	ug/kg	2500	2520	101	63-124	
1,1-Dichloroethene	ug/kg	2500	2400	96	53-117	
1,2,4-Trichlorobenzene	ug/kg	2500	2340	94	78-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2190	88	49-140	
1,2-Dibromoethane (EDB)	ug/kg	2500	2560	102	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2550	102	70-130	
1,2-Dichloroethane	ug/kg	2500	2340	94	56-135	
1,2-Dichloropropane	ug/kg	2500	2590	104	77-122	
1,3-Dichlorobenzene	ug/kg	2500	2490	100	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2510	101	70-130	
Benzene	ug/kg	2500	2580	103	66-130	
Bromodichloromethane	ug/kg	2500	2220	89	62-135	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

LABORATORY CONTROL SAMPLE: 1551629

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/kg	2500	2610	104	68-130	
Bromomethane	ug/kg	2500	2470	99	29-137	
Carbon tetrachloride	ug/kg	2500	2190	88	57-130	
Chlorobenzene	ug/kg	2500	2650	106	70-130	
Chloroethane	ug/kg	2500	2690	108	36-144	
Chloroform	ug/kg	2500	2360	95	69-115	
Chloromethane	ug/kg	2500	2170	87	32-126	
cis-1,2-Dichloroethene	ug/kg	2500	2610	104	65-130	
cis-1,3-Dichloropropene	ug/kg	2500	2330	93	70-130	
Dibromochloromethane	ug/kg	2500	2580	103	70-130	
Dichlorodifluoromethane	ug/kg	2500	1550	62	10-99	
Ethylbenzene	ug/kg	2500	2530	101	82-122	
Isopropylbenzene (Cumene)	ug/kg	2500	2510	100	70-130	
m&p-Xylene	ug/kg	5000	5390	108	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2620	105	63-134	
Methylene Chloride	ug/kg	2500	2470	99	56-123	
o-Xylene	ug/kg	2500	2580	103	70-130	
Styrene	ug/kg	2500	2660	106	70-130	
Tetrachloroethene	ug/kg	2500	2580	103	70-131	
Toluene	ug/kg	2500	2700	108	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2600	104	66-130	
trans-1,3-Dichloropropene	ug/kg	2500	2420	97	68-130	
Trichloroethene	ug/kg	2500	2460	98	70-130	
Trichlorofluoromethane	ug/kg	2500	2370	95	37-149	
Vinyl chloride	ug/kg	2500	2540	102	43-128	
4-Bromofluorobenzene (S)	%			97	58-141	
Dibromofluoromethane (S)	%			105	68-130	
Toluene-d8 (S)	%			106	68-149	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1551630 1551631

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40154301003 Result	Spike Conc.	Spike Conc.	MS Result							
1,1,1-Trichloroethane	ug/kg	<25.0	1250	1250	1040	1000	83	80	57-123	4	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1250	1250	1330	1320	106	106	73-135	0	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1250	1250	1340	1400	107	112	70-130	5	20	
1,1-Dichloroethane	ug/kg	<25.0	1250	1250	1170	1190	93	95	63-124	2	20	
1,1-Dichloroethene	ug/kg	<25.0	1250	1250	945	924	76	74	48-117	2	23	
1,2,4-Trichlorobenzene	ug/kg	<47.6	1250	1250	1260	1210	101	97	78-145	5	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1250	1250	1090	1080	88	86	38-168	2	22	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1250	1250	1190	1290	95	103	70-130	8	20	
1,2-Dichlorobenzene	ug/kg	<25.0	1250	1250	1290	1290	103	103	70-130	0	20	
1,2-Dichloroethane	ug/kg	<25.0	1250	1250	1130	1130	90	90	56-145	0	20	
1,2-Dichloropropane	ug/kg	<25.0	1250	1250	1290	1300	103	104	77-123	1	20	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Parameter	Units	40154301003		1551630		1551631		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
1,3-Dichlorobenzene	ug/kg	<25.0	1250	1250	1250	1230	100	99	70-130	2	20		
1,4-Dichlorobenzene	ug/kg	<25.0	1250	1250	1300	1290	104	103	70-130	1	20		
Benzene	ug/kg	<25.0	1250	1250	1210	1220	97	98	65-130	1	20		
Bromodichloromethane	ug/kg	<25.0	1250	1250	1070	1110	86	89	59-141	4	20		
Bromoform	ug/kg	<25.0	1250	1250	1200	1220	96	97	59-141	1	20		
Bromomethane	ug/kg	<69.9	1250	1250	878	910	70	73	28-139	4	20		
Carbon tetrachloride	ug/kg	<25.0	1250	1250	924	936	74	75	50-130	1	20		
Chlorobenzene	ug/kg	<25.0	1250	1250	1250	1330	100	106	70-130	6	20		
Chloroethane	ug/kg	<67.0	1250	1250	992	981	79	78	36-144	1	20		
Chloroform	ug/kg	<46.4	1250	1250	1150	1140	92	91	68-122	1	20		
Chloromethane	ug/kg	<25.0	1250	1250	633	622	51	50	30-126	2	20		
cis-1,2-Dichloroethene	ug/kg	<25.0	1250	1250	1230	1280	98	102	63-130	4	20		
cis-1,3-Dichloropropene	ug/kg	<25.0	1250	1250	1120	1130	89	90	70-130	1	20		
Dibromochloromethane	ug/kg	<25.0	1250	1250	1220	1250	97	100	66-136	2	20		
Dichlorodifluoromethane	ug/kg	<25.0	1250	1250	313	309	25	25	10-99	1	33		
Ethylbenzene	ug/kg	<25.0	1250	1250	1160	1190	92	95	80-122	3	20		
Isopropylbenzene (Cumene)	ug/kg	<25.0	1250	1250	1130	1120	91	90	70-130	1	20		
m&p-Xylene	ug/kg	<50.0	2500	2500	2500	2540	100	102	70-130	2	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1250	1250	1230	1230	99	99	63-134	0	20		
Methylene Chloride	ug/kg	<25.0	1250	1250	1200	1220	95	96	56-127	1	20		
o-Xylene	ug/kg	<25.0	1250	1250	1210	1250	97	100	70-130	4	20		
Styrene	ug/kg	<25.0	1250	1250	1260	1310	101	105	70-130	3	20		
Tetrachloroethene	ug/kg	<25.0	1250	1250	1120	1170	89	94	70-131	5	20		
Toluene	ug/kg	<25.0	1250	1250	1270	1320	102	106	80-120	4	20		
trans-1,2-Dichloroethene	ug/kg	<25.0	1250	1250	1150	1150	92	92	60-130	1	20		
trans-1,3-Dichloropropene	ug/kg	<25.0	1250	1250	1130	1160	91	93	68-130	2	20		
Trichloroethene	ug/kg	<25.0	1250	1250	1130	1100	91	88	70-130	3	20		
Trichlorofluoromethane	ug/kg	<25.0	1250	1250	808	797	65	64	37-149	1	24		
Vinyl chloride	ug/kg	<25.0	1250	1250	759	734	61	59	39-128	3	20		
4-Bromofluorobenzene (S)	%						106	114	58-141				
Dibromofluoromethane (S)	%						115	123	68-130				
Toluene-d8 (S)	%						117	125	68-149				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

QC Batch: 263747

Analysis Method: EPA 8260

QC Batch Method: EPA 5035/5030B

Analysis Description: 8260 MSV Med Level Normal List

Associated Lab Samples: 40154369001, 40154369010, 40154369011, 40154369012, 40154369013, 40154369014, 40154369015, 40154369016

METHOD BLANK: 1552371

Matrix: Solid

Associated Lab Samples: 40154369001, 40154369010, 40154369011, 40154369012, 40154369013, 40154369014, 40154369015, 40154369016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	08/07/17 10:21	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	08/07/17 10:21	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	08/07/17 10:21	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	08/07/17 10:21	
1,1-Dichloroethane	ug/kg	<17.6	50.0	08/07/17 10:21	
1,1-Dichloroethene	ug/kg	<17.6	50.0	08/07/17 10:21	
1,1-Dichloropropene	ug/kg	<14.0	50.0	08/07/17 10:21	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	08/07/17 10:21	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	08/07/17 10:21	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	08/07/17 10:21	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	08/07/17 10:21	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	08/07/17 10:21	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	08/07/17 10:21	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	08/07/17 10:21	
1,2-Dichloroethane	ug/kg	<15.0	50.0	08/07/17 10:21	
1,2-Dichloropropane	ug/kg	<16.8	50.0	08/07/17 10:21	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	08/07/17 10:21	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	08/07/17 10:21	
1,3-Dichloropropane	ug/kg	<12.0	50.0	08/07/17 10:21	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	08/07/17 10:21	
2,2-Dichloropropane	ug/kg	<12.6	50.0	08/07/17 10:21	
2-Chlorotoluene	ug/kg	<15.8	50.0	08/07/17 10:21	
4-Chlorotoluene	ug/kg	<13.0	50.0	08/07/17 10:21	
Benzene	ug/kg	<9.2	20.0	08/07/17 10:21	
Bromobenzene	ug/kg	<20.6	50.0	08/07/17 10:21	
Bromochloromethane	ug/kg	<21.4	50.0	08/07/17 10:21	
Bromodichloromethane	ug/kg	<9.8	50.0	08/07/17 10:21	
Bromoform	ug/kg	<19.8	50.0	08/07/17 10:21	
Bromomethane	ug/kg	<69.9	250	08/07/17 10:21	
Carbon tetrachloride	ug/kg	<12.1	50.0	08/07/17 10:21	
Chlorobenzene	ug/kg	<14.8	50.0	08/07/17 10:21	
Chloroethane	ug/kg	<67.0	250	08/07/17 10:21	
Chloroform	ug/kg	<46.4	250	08/07/17 10:21	
Chloromethane	ug/kg	<20.4	50.0	08/07/17 10:21	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	08/07/17 10:21	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	08/07/17 10:21	
Dibromochloromethane	ug/kg	<17.9	50.0	08/07/17 10:21	
Dibromomethane	ug/kg	<19.3	50.0	08/07/17 10:21	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	08/07/17 10:21	
Diisopropyl ether	ug/kg	<17.7	50.0	08/07/17 10:21	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

METHOD BLANK: 1552371

Matrix: Solid

Associated Lab Samples: 40154369001, 40154369010, 40154369011, 40154369012, 40154369013, 40154369014, 40154369015, 40154369016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<12.4	50.0	08/07/17 10:21	
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	08/07/17 10:21	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	08/07/17 10:21	
m&p-Xylene	ug/kg	<34.4	100	08/07/17 10:21	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	08/07/17 10:21	
Methylene Chloride	ug/kg	<16.2	50.0	08/07/17 10:21	
n-Butylbenzene	ug/kg	<10.5	50.0	08/07/17 10:21	
n-Propylbenzene	ug/kg	<11.6	50.0	08/07/17 10:21	
Naphthalene	ug/kg	<40.0	250	08/07/17 10:21	
o-Xylene	ug/kg	<14.0	50.0	08/07/17 10:21	
p-Isopropyltoluene	ug/kg	<12.0	50.0	08/07/17 10:21	
sec-Butylbenzene	ug/kg	<11.9	50.0	08/07/17 10:21	
Styrene	ug/kg	<9.0	50.0	08/07/17 10:21	
tert-Butylbenzene	ug/kg	<9.5	50.0	08/07/17 10:21	
Tetrachloroethene	ug/kg	<12.9	50.0	08/07/17 10:21	
Toluene	ug/kg	<11.2	50.0	08/07/17 10:21	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	08/07/17 10:21	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	08/07/17 10:21	
Trichloroethene	ug/kg	<23.6	50.0	08/07/17 10:21	
Trichlorofluoromethane	ug/kg	<24.7	50.0	08/07/17 10:21	
Vinyl chloride	ug/kg	<21.1	50.0	08/07/17 10:21	
4-Bromofluorobenzene (S)	%	97	58-141	08/07/17 10:21	
Dibromofluoromethane (S)	%	104	68-130	08/07/17 10:21	
Toluene-d8 (S)	%	108	68-149	08/07/17 10:21	

LABORATORY CONTROL SAMPLE: 1552372

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2560	102	61-122	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2470	99	73-130	
1,1,2-Trichloroethane	ug/kg	2500	2430	97	70-130	
1,1-Dichloroethane	ug/kg	2500	2480	99	63-124	
1,1-Dichloroethene	ug/kg	2500	2430	97	53-117	
1,2,4-Trichlorobenzene	ug/kg	2500	2430	97	78-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2430	97	49-140	
1,2-Dibromoethane (EDB)	ug/kg	2500	2420	97	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2500	100	70-130	
1,2-Dichloroethane	ug/kg	2500	2670	107	56-135	
1,2-Dichloropropane	ug/kg	2500	2560	102	77-122	
1,3-Dichlorobenzene	ug/kg	2500	2500	100	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2410	96	70-130	
Benzene	ug/kg	2500	2550	102	66-130	
Bromodichloromethane	ug/kg	2500	2420	97	62-135	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

LABORATORY CONTROL SAMPLE: 1552372

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/kg	2500	2230	89	68-130	
Bromomethane	ug/kg	2500	2040	82	29-137	
Carbon tetrachloride	ug/kg	2500	2490	100	57-130	
Chlorobenzene	ug/kg	2500	2550	102	70-130	
Chloroethane	ug/kg	2500	2600	104	36-144	
Chloroform	ug/kg	2500	2470	99	69-115	
Chloromethane	ug/kg	2500	2740	110	32-126	
cis-1,2-Dichloroethene	ug/kg	2500	2430	97	65-130	
cis-1,3-Dichloropropene	ug/kg	2500	2520	101	70-130	
Dibromochloromethane	ug/kg	2500	2360	94	70-130	
Dichlorodifluoromethane	ug/kg	2500	1940	78	10-99	
Ethylbenzene	ug/kg	2500	2460	98	82-122	
Isopropylbenzene (Cumene)	ug/kg	2500	2460	99	70-130	
m&p-Xylene	ug/kg	5000	5070	101	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2600	104	63-134	
Methylene Chloride	ug/kg	2500	2510	101	56-123	
o-Xylene	ug/kg	2500	2500	100	70-130	
Styrene	ug/kg	2500	2540	102	70-130	
Tetrachloroethene	ug/kg	2500	2540	102	70-131	
Toluene	ug/kg	2500	2510	100	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2420	97	66-130	
trans-1,3-Dichloropropene	ug/kg	2500	2540	102	68-130	
Trichloroethene	ug/kg	2500	2450	98	70-130	
Trichlorofluoromethane	ug/kg	2500	2600	104	37-149	
Vinyl chloride	ug/kg	2500	2450	98	43-128	
4-Bromofluorobenzene (S)	%			100	58-141	
Dibromofluoromethane (S)	%			104	68-130	
Toluene-d8 (S)	%			106	68-149	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1552373 1552374

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40154392008 Result	Spike Conc.	Spike Conc.	Result							
1,1,1-Trichloroethane	ug/kg	<25.0	1370	1370	1290	1310	94	96	57-123	2	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1370	1370	941	1310	69	96	73-135	33	20	M1,R1
1,1,2-Trichloroethane	ug/kg	<25.0	1370	1370	953	1350	70	99	70-130	34	20	R1
1,1-Dichloroethane	ug/kg	<25.0	1370	1370	1230	1290	90	95	63-124	5	20	
1,1-Dichloroethene	ug/kg	<25.0	1370	1370	1130	1100	83	81	48-117	3	23	
1,2,4-Trichlorobenzene	ug/kg	<47.6	1370	1370	1410	1450	102	104	78-145	2	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1370	1370	834	1250	61	91	38-168	40	22	R1
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1370	1370	946	1380	69	101	70-130	37	20	M1,R1
1,2-Dichlorobenzene	ug/kg	<25.0	1370	1370	1310	1420	96	104	70-130	8	20	
1,2-Dichloroethane	ug/kg	<25.0	1370	1370	1070	1430	78	104	56-145	28	20	R1
1,2-Dichloropropane	ug/kg	<25.0	1370	1370	1200	1350	88	99	77-123	12	20	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1552373		1552374		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40154392008 Result	MS Spike Conc.	MSD Spike Conc.									
1,3-Dichlorobenzene	ug/kg	<25.0	1370	1370	1430	1410	105	103	70-130	2	20		
1,4-Dichlorobenzene	ug/kg	<25.0	1370	1370	1350	1370	98	100	70-130	1	20		
Benzene	ug/kg	<25.0	1370	1370	1240	1350	91	99	65-130	8	20		
Bromodichloromethane	ug/kg	<25.0	1370	1370	1120	1290	82	94	59-141	14	20		
Bromoform	ug/kg	<25.0	1370	1370	907	1230	66	90	59-141	30	20	R1	
Bromomethane	ug/kg	<69.9	1370	1370	920	933	67	68	28-139	1	20		
Carbon tetrachloride	ug/kg	<25.0	1370	1370	1230	1250	90	92	50-130	2	20		
Chlorobenzene	ug/kg	<25.0	1370	1370	1350	1450	99	106	70-130	8	20		
Chloroethane	ug/kg	<67.0	1370	1370	1560	1310	114	96	36-144	17	20		
Chloroform	ug/kg	<46.4	1370	1370	1230	1350	89	98	68-122	10	20		
Chloromethane	ug/kg	<25.0	1370	1370	909	911	67	67	30-126	0	20		
cis-1,2-Dichloroethene	ug/kg	<25.0	1370	1370	1230	1310	90	96	63-130	6	20		
cis-1,3-Dichloropropene	ug/kg	<25.0	1370	1370	1100	1340	81	98	70-130	20	20		
Dibromochloromethane	ug/kg	<25.0	1370	1370	941	1280	69	93	66-136	30	20	R1	
Dichlorodifluoromethane	ug/kg	<25.0	1370	1370	556	484	41	35	10-99	14	33		
Ethylbenzene	ug/kg	<25.0	1370	1370	1360	1320	99	97	80-122	3	20		
Isopropylbenzene (Cumene)	ug/kg	<25.0	1370	1370	1380	1320	101	97	70-130	4	20		
m&p-Xylene	ug/kg	<50.0	2730	2730	2810	2810	103	103	70-130	0	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1370	1370	939	1390	69	102	63-134	39	20	R1	
Methylene Chloride	ug/kg	<25.0	1370	1370	1160	1330	85	97	56-127	14	20		
o-Xylene	ug/kg	<25.0	1370	1370	1380	1380	101	101	70-130	0	20		
Styrene	ug/kg	<25.0	1370	1370	1300	1380	95	101	70-130	7	20		
Tetrachloroethene	ug/kg	<25.0	1370	1370	1420	1380	104	101	70-131	3	20		
Toluene	ug/kg	<25.0	1370	1370	1400	1400	102	102	80-120	0	20		
trans-1,2-Dichloroethene	ug/kg	<25.0	1370	1370	1200	1220	88	89	60-130	2	20		
trans-1,3-Dichloropropene	ug/kg	<25.0	1370	1370	1050	1410	77	103	68-130	30	20	R1	
Trichloroethene	ug/kg	<25.0	1370	1370	1320	1270	96	93	70-130	3	20		
Trichlorofluoromethane	ug/kg	<25.0	1370	1370	1030	1040	76	76	37-149	1	24		
Vinyl chloride	ug/kg	<25.0	1370	1370	883	866	65	63	39-128	2	20		
4-Bromofluorobenzene (S)	%						104	113	58-141				
Dibromofluoromethane (S)	%						99	113	68-130				
Toluene-d8 (S)	%						121	122	68-149				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

QC Batch: 263541 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 40154369017, 40154369018, 40154369019, 40154369020, 40154369021, 40154369022, 40154369023,
 40154369024, 40154369025, 40154369026, 40154369027, 40154369028

METHOD BLANK: 1551309 Matrix: Water
 Associated Lab Samples: 40154369017, 40154369018, 40154369019, 40154369020, 40154369021, 40154369022, 40154369023,
 40154369024, 40154369025, 40154369026, 40154369027, 40154369028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	08/08/17 06:33	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	08/08/17 06:33	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	08/08/17 06:33	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	08/08/17 06:33	
1,1-Dichloroethane	ug/L	<0.24	1.0	08/08/17 06:33	
1,1-Dichloroethene	ug/L	<0.41	1.0	08/08/17 06:33	
1,1-Dichloropropene	ug/L	<0.44	1.0	08/08/17 06:33	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	08/08/17 06:33	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	08/08/17 06:33	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	08/08/17 06:33	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	08/08/17 06:33	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	08/08/17 06:33	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	08/08/17 06:33	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	08/08/17 06:33	
1,2-Dichloroethane	ug/L	<0.17	1.0	08/08/17 06:33	
1,2-Dichloropropane	ug/L	<0.23	1.0	08/08/17 06:33	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	08/08/17 06:33	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	08/08/17 06:33	
1,3-Dichloropropane	ug/L	<0.50	1.0	08/08/17 06:33	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	08/08/17 06:33	
2,2-Dichloropropane	ug/L	<0.48	1.0	08/08/17 06:33	
2-Chlorotoluene	ug/L	<0.50	1.0	08/08/17 06:33	
4-Chlorotoluene	ug/L	<0.21	1.0	08/08/17 06:33	
Benzene	ug/L	<0.50	1.0	08/08/17 06:33	
Bromobenzene	ug/L	<0.23	1.0	08/08/17 06:33	
Bromochloromethane	ug/L	<0.34	1.0	08/08/17 06:33	
Bromodichloromethane	ug/L	<0.50	1.0	08/08/17 06:33	
Bromoform	ug/L	<0.50	1.0	08/08/17 06:33	
Bromomethane	ug/L	<2.4	5.0	08/08/17 06:33	
Carbon tetrachloride	ug/L	<0.50	1.0	08/08/17 06:33	
Chlorobenzene	ug/L	<0.50	1.0	08/08/17 06:33	
Chloroethane	ug/L	<0.37	1.0	08/08/17 06:33	
Chloroform	ug/L	<2.5	5.0	08/08/17 06:33	
Chloromethane	ug/L	<0.50	1.0	08/08/17 06:33	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	08/08/17 06:33	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	08/08/17 06:33	
Dibromochloromethane	ug/L	<0.50	1.0	08/08/17 06:33	
Dibromomethane	ug/L	<0.43	1.0	08/08/17 06:33	
Dichlorodifluoromethane	ug/L	<0.22	1.0	08/08/17 06:33	
Diisopropyl ether	ug/L	<0.50	1.0	08/08/17 06:33	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

METHOD BLANK: 1551309

Matrix: Water

Associated Lab Samples: 40154369017, 40154369018, 40154369019, 40154369020, 40154369021, 40154369022, 40154369023, 40154369024, 40154369025, 40154369026, 40154369027, 40154369028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.50	1.0	08/08/17 06:33	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	08/08/17 06:33	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	08/08/17 06:33	
m&p-Xylene	ug/L	<1.0	2.0	08/08/17 06:33	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	08/08/17 06:33	
Methylene Chloride	ug/L	<0.23	1.0	08/08/17 06:33	
n-Butylbenzene	ug/L	<0.50	1.0	08/08/17 06:33	
n-Propylbenzene	ug/L	<0.50	1.0	08/08/17 06:33	
Naphthalene	ug/L	<2.5	5.0	08/08/17 06:33	
o-Xylene	ug/L	<0.50	1.0	08/08/17 06:33	
p-Isopropyltoluene	ug/L	<0.50	1.0	08/08/17 06:33	
sec-Butylbenzene	ug/L	<2.2	5.0	08/08/17 06:33	
Styrene	ug/L	<0.50	1.0	08/08/17 06:33	
tert-Butylbenzene	ug/L	<0.18	1.0	08/08/17 06:33	
Tetrachloroethene	ug/L	<0.50	1.0	08/08/17 06:33	
Toluene	ug/L	<0.50	1.0	08/08/17 06:33	
trans-1,2-Dichloroethene	ug/L	0.29J	1.0	08/08/17 06:33	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	08/08/17 06:33	
Trichloroethene	ug/L	<0.33	1.0	08/08/17 06:33	
Trichlorofluoromethane	ug/L	<0.18	1.0	08/08/17 06:33	
Vinyl chloride	ug/L	<0.18	1.0	08/08/17 06:33	
4-Bromofluorobenzene (S)	%	97	61-130	08/08/17 06:33	
Dibromofluoromethane (S)	%	101	67-130	08/08/17 06:33	
Toluene-d8 (S)	%	94	70-130	08/08/17 06:33	

LABORATORY CONTROL SAMPLE: 1551310

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	48.7	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.5	101	70-130	
1,1,2-Trichloroethane	ug/L	50	50.1	100	70-130	
1,1-Dichloroethane	ug/L	50	48.7	97	71-132	
1,1-Dichloroethene	ug/L	50	50.8	102	75-130	
1,2,4-Trichlorobenzene	ug/L	50	50.5	101	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	42.0	84	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	50.1	100	70-130	
1,2-Dichlorobenzene	ug/L	50	54.2	108	70-130	
1,2-Dichloroethane	ug/L	50	41.2	82	70-131	
1,2-Dichloropropane	ug/L	50	50.8	102	80-120	
1,3-Dichlorobenzene	ug/L	50	54.8	110	70-130	
1,4-Dichlorobenzene	ug/L	50	54.0	108	70-130	
Benzene	ug/L	50	52.3	105	73-145	
Bromodichloromethane	ug/L	50	48.8	98	70-130	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

LABORATORY CONTROL SAMPLE: 1551310

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	52.9	106	67-130	
Bromomethane	ug/L	50	37.3	75	26-128	
Carbon tetrachloride	ug/L	50	53.7	107	70-133	
Chlorobenzene	ug/L	50	54.7	109	70-130	
Chloroethane	ug/L	50	44.1	88	58-120	
Chloroform	ug/L	50	48.7	97	80-121	
Chloromethane	ug/L	50	48.3	97	40-127	
cis-1,2-Dichloroethene	ug/L	50	48.3	97	70-130	
cis-1,3-Dichloropropene	ug/L	50	52.2	104	70-130	
Dibromochloromethane	ug/L	50	51.5	103	70-130	
Dichlorodifluoromethane	ug/L	50	38.4	77	20-135	
Ethylbenzene	ug/L	50	54.2	108	87-129	
Isopropylbenzene (Cumene)	ug/L	50	55.8	112	70-130	
m&p-Xylene	ug/L	100	114	114	70-130	
Methyl-tert-butyl ether	ug/L	50	47.4	95	66-143	
Methylene Chloride	ug/L	50	53.0	106	70-130	
o-Xylene	ug/L	50	58.3	117	70-130	
Styrene	ug/L	50	57.2	114	70-130	
Tetrachloroethene	ug/L	50	59.6	119	70-130	
Toluene	ug/L	50	53.9	108	82-130	
trans-1,2-Dichloroethene	ug/L	50	52.5	105	75-132	
trans-1,3-Dichloropropene	ug/L	50	51.5	103	70-130	
Trichloroethene	ug/L	50	53.2	106	70-130	
Trichlorofluoromethane	ug/L	50	48.7	97	76-133	
Vinyl chloride	ug/L	50	48.1	96	57-136	
4-Bromofluorobenzene (S)	%			97	61-130	
Dibromofluoromethane (S)	%			97	67-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1552411 1552412

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40154392006 Result	Spike Conc.	Spike Conc.	Result							
1,1,1-Trichloroethane	ug/L	<0.50	50	50	46.8	49.0	94	98	70-134	4	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	50.4	48.7	101	97	70-130	3	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	48.6	48.1	97	96	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	44.2	47.6	88	95	71-133	7	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	47.7	51.0	95	102	75-136	7	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	48.0	49.9	96	100	70-130	4	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	44.2	43.6	88	87	63-123	1	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	48.5	47.9	97	96	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	51.7	53.2	103	106	70-130	3	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	39.1	39.7	78	79	70-131	2	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	50.7	48.4	101	97	80-120	5	20	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Parameter	Units	1552411		1552412		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40154392006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
1,3-Dichlorobenzene	ug/L	<0.50	50	50	54.3	54.9	109	110	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	52.6	53.8	105	108	70-130	2	20	
Benzene	ug/L	<0.50	50	50	49.8	52.1	100	104	73-145	5	20	
Bromodichloromethane	ug/L	<0.50	50	50	48.4	47.7	97	95	70-130	2	20	
Bromoform	ug/L	<0.50	50	50	53.0	51.6	106	103	67-130	3	20	
Bromomethane	ug/L	<2.4	50	50	43.8	43.2	88	86	26-129	1	20	
Carbon tetrachloride	ug/L	<0.50	50	50	51.8	52.6	104	105	70-134	2	20	
Chlorobenzene	ug/L	<0.50	50	50	52.1	52.2	104	104	70-130	0	20	
Chloroethane	ug/L	<0.37	50	50	41.3	46.3	83	93	58-120	11	20	
Chloroform	ug/L	<2.5	50	50	46.0	47.1	92	94	80-121	3	20	
Chloromethane	ug/L	<0.50	50	50	44.7	47.1	89	94	40-128	5	20	
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	47.2	48.7	94	97	70-130	3	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	51.3	50.8	103	102	70-130	1	20	
Dibromochloromethane	ug/L	<0.50	50	50	48.7	50.4	97	101	70-130	3	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	36.3	37.2	73	74	20-146	3	20	
Ethylbenzene	ug/L	<0.50	50	50	51.8	52.3	104	105	87-129	1	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	53.1	54.2	106	108	70-130	2	20	
m&p-Xylene	ug/L	<1.0	100	100	106	108	106	108	70-130	1	20	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	46.1	48.4	92	97	66-143	5	20	
Methylene Chloride	ug/L	<0.23	50	50	49.7	52.8	99	106	70-130	6	20	
o-Xylene	ug/L	<0.50	50	50	54.8	54.3	110	109	70-130	1	20	
Styrene	ug/L	<0.50	50	50	53.5	53.1	107	106	70-130	1	20	
Tetrachloroethene	ug/L	<0.50	50	50	57.6	58.7	115	117	70-130	2	20	
Toluene	ug/L	<0.50	50	50	52.3	51.4	105	103	82-131	2	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	49.3	51.9	99	104	75-135	5	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	46.9	49.1	94	98	70-130	5	20	
Trichloroethene	ug/L	<0.33	50	50	54.5	52.4	109	105	70-130	4	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	45.9	47.2	92	94	76-150	3	20	
Vinyl chloride	ug/L	<0.18	50	50	46.0	48.2	92	96	56-143	5	20	
4-Bromofluorobenzene (S)	%						90	95	61-130			
Dibromofluoromethane (S)	%						90	96	67-130			
Toluene-d8 (S)	%						95	97	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

QC Batch: 263757 Analysis Method: EPA 8082
QC Batch Method: EPA 3541 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 40154369010, 40154369011, 40154369012

METHOD BLANK: 1552400 Matrix: Solid
Associated Lab Samples: 40154369010, 40154369011, 40154369012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<25.0	50.0	08/08/17 01:33	
PCB-1221 (Aroclor 1221)	ug/kg	<25.0	50.0	08/08/17 01:33	
PCB-1232 (Aroclor 1232)	ug/kg	<25.0	50.0	08/08/17 01:33	
PCB-1242 (Aroclor 1242)	ug/kg	<25.0	50.0	08/08/17 01:33	
PCB-1248 (Aroclor 1248)	ug/kg	<25.0	50.0	08/08/17 01:33	
PCB-1254 (Aroclor 1254)	ug/kg	<25.0	50.0	08/08/17 01:33	
PCB-1260 (Aroclor 1260)	ug/kg	<25.0	50.0	08/08/17 01:33	
Decachlorobiphenyl (S)	%	76	53-105	08/08/17 01:33	
Tetrachloro-m-xylene (S)	%	72	50-102	08/08/17 01:33	

LABORATORY CONTROL SAMPLE: 1552401

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<25.0			
PCB-1221 (Aroclor 1221)	ug/kg		<25.0			
PCB-1232 (Aroclor 1232)	ug/kg		<25.0			
PCB-1242 (Aroclor 1242)	ug/kg		<25.0			
PCB-1248 (Aroclor 1248)	ug/kg		<25.0			
PCB-1254 (Aroclor 1254)	ug/kg		<25.0			
PCB-1260 (Aroclor 1260)	ug/kg	500	369	74	59-106	
Decachlorobiphenyl (S)	%			80	53-105	
Tetrachloro-m-xylene (S)	%			76	50-102	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1552402 1552403

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40154307017 Result	Spike Conc.	Spike Conc.	MS Result						
PCB-1016 (Aroclor 1016)	ug/kg	<28.9			<28.9	<28.9					20
PCB-1221 (Aroclor 1221)	ug/kg	<28.9			<28.9	<28.9					20
PCB-1232 (Aroclor 1232)	ug/kg	<28.9			<28.9	<28.9					20
PCB-1242 (Aroclor 1242)	ug/kg	<28.9			<28.9	<28.9					20
PCB-1248 (Aroclor 1248)	ug/kg	<28.9			<28.9	<28.9					20
PCB-1254 (Aroclor 1254)	ug/kg	<28.9			<28.9	<28.9					20
PCB-1260 (Aroclor 1260)	ug/kg	<28.9	578	578	418	427	72	74	51-109	2	20
Decachlorobiphenyl (S)	%						78	79	53-105		
Tetrachloro-m-xylene (S)	%						75	76	50-102		

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

QC Batch: 263888 Analysis Method: EPA 8082
QC Batch Method: EPA 3541 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 40154369009, 40154369015, 40154369016

METHOD BLANK: 1553041 Matrix: Solid
Associated Lab Samples: 40154369009, 40154369015, 40154369016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<25.0	50.0	08/10/17 11:08	
PCB-1221 (Aroclor 1221)	ug/kg	<25.0	50.0	08/10/17 11:08	
PCB-1232 (Aroclor 1232)	ug/kg	<25.0	50.0	08/10/17 11:08	
PCB-1242 (Aroclor 1242)	ug/kg	<25.0	50.0	08/10/17 11:08	
PCB-1248 (Aroclor 1248)	ug/kg	<25.0	50.0	08/10/17 11:08	
PCB-1254 (Aroclor 1254)	ug/kg	<25.0	50.0	08/10/17 11:08	
PCB-1260 (Aroclor 1260)	ug/kg	<25.0	50.0	08/10/17 11:08	
Decachlorobiphenyl (S)	%	82	53-105	08/10/17 11:08	
Tetrachloro-m-xylene (S)	%	77	50-102	08/10/17 11:08	

LABORATORY CONTROL SAMPLE: 1553042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<25.0			
PCB-1221 (Aroclor 1221)	ug/kg		<25.0			
PCB-1232 (Aroclor 1232)	ug/kg		<25.0			
PCB-1242 (Aroclor 1242)	ug/kg		<25.0			
PCB-1248 (Aroclor 1248)	ug/kg		<25.0			
PCB-1254 (Aroclor 1254)	ug/kg		<25.0			
PCB-1260 (Aroclor 1260)	ug/kg	500	356	71	59-106	
Decachlorobiphenyl (S)	%			79	53-105	
Tetrachloro-m-xylene (S)	%			75	50-102	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1553043 1553044

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40154484001 Result	Spike Conc.	Spike Conc.	Result						
PCB-1016 (Aroclor 1016)	ug/kg	<26.7			<26.7	<26.7					20
PCB-1221 (Aroclor 1221)	ug/kg	<26.7			<26.7	<26.7					20
PCB-1232 (Aroclor 1232)	ug/kg	<26.7			<26.7	<26.7					20
PCB-1242 (Aroclor 1242)	ug/kg	<26.7			<26.7	<26.7					20
PCB-1248 (Aroclor 1248)	ug/kg	<26.7			<26.7	<26.7					20
PCB-1254 (Aroclor 1254)	ug/kg	<26.7			<26.7	<26.7					20
PCB-1260 (Aroclor 1260)	ug/kg	<26.7	534	534	406	415	76	78	51-109	2	20
Decachlorobiphenyl (S)	%						82	83	53-105		
Tetrachloro-m-xylene (S)	%						77	77	50-102		

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

QC Batch: 264123 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 40154369001, 40154369002, 40154369003, 40154369004, 40154369005, 40154369006, 40154369007, 40154369008, 40154369013, 40154369014

METHOD BLANK: 1554286 Matrix: Solid
Associated Lab Samples: 40154369001, 40154369002, 40154369003, 40154369004, 40154369005, 40154369006, 40154369007, 40154369008, 40154369013, 40154369014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	08/10/17 15:17	
2-Methylnaphthalene	ug/kg	<5.0	16.7	08/10/17 15:17	
Acenaphthene	ug/kg	<3.9	12.9	08/10/17 15:17	
Acenaphthylene	ug/kg	<3.3	11.0	08/10/17 15:17	
Anthracene	ug/kg	<5.7	19.0	08/10/17 15:17	
Benzo(a)anthracene	ug/kg	<3.2	10.6	08/10/17 15:17	
Benzo(a)pyrene	ug/kg	<2.5	8.4	08/10/17 15:17	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	08/10/17 15:17	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	08/10/17 15:17	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	08/10/17 15:17	
Chrysene	ug/kg	<3.4	11.2	08/10/17 15:17	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.4	08/10/17 15:17	
Fluoranthene	ug/kg	<5.2	17.4	08/10/17 15:17	
Fluorene	ug/kg	<4.1	13.8	08/10/17 15:17	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	08/10/17 15:17	
Naphthalene	ug/kg	<8.4	28.1	08/10/17 15:17	
Phenanthrene	ug/kg	<11.6	38.8	08/10/17 15:17	
Pyrene	ug/kg	<4.5	15.0	08/10/17 15:17	
2-Fluorobiphenyl (S)	%	67	19-96	08/10/17 15:17	
Terphenyl-d14 (S)	%	78	31-98	08/10/17 15:17	

LABORATORY CONTROL SAMPLE: 1554287

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	334	235	70	49-102	
2-Methylnaphthalene	ug/kg	334	235	70	47-91	
Acenaphthene	ug/kg	334	279	84	52-97	
Acenaphthylene	ug/kg	334	268	80	49-97	
Anthracene	ug/kg	334	302	91	62-101	
Benzo(a)anthracene	ug/kg	334	254	76	53-95	
Benzo(a)pyrene	ug/kg	334	289	87	57-108	
Benzo(b)fluoranthene	ug/kg	334	275	83	53-113	
Benzo(g,h,i)perylene	ug/kg	334	303	91	43-114	
Benzo(k)fluoranthene	ug/kg	334	291	87	66-116	
Chrysene	ug/kg	334	285	85	64-109	
Dibenz(a,h)anthracene	ug/kg	334	289	87	50-105	
Fluoranthene	ug/kg	334	290	87	58-107	
Fluorene	ug/kg	334	272	82	52-99	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

LABORATORY CONTROL SAMPLE: 1554287

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/kg	334	286	86	51-113	
Naphthalene	ug/kg	334	245	73	50-91	
Phenanthrene	ug/kg	334	273	82	57-101	
Pyrene	ug/kg	334	254	76	50-102	
2-Fluorobiphenyl (S)	%			75	19-96	
Terphenyl-d14 (S)	%			79	31-98	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1554288 1554289

Parameter	Units	40154369004		1554288		1554289		% Rec	% Rec	% Rec Limits	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1-Methylnaphthalene	ug/kg	251	395	394	424	563	44	79	37-102	28	29	
2-Methylnaphthalene	ug/kg	472	395	394	635	881	41	104	44-91	32	36	M1
Acenaphthene	ug/kg	<45.8	395	394	233	286	53	67	46-97	20	26	
Acenaphthylene	ug/kg	<38.9	395	394	215	251	53	62	47-97	16	29	
Anthracene	ug/kg	<67.4	395	394	242	293	53	66	50-101	19	28	
Benzo(a)anthracene	ug/kg	39.5J	395	394	259	301	56	66	48-95	15	28	
Benzo(a)pyrene	ug/kg	<29.7	395	394	227	266	50	60	47-108	16	36	
Benzo(b)fluoranthene	ug/kg	<33.4	395	394	199	274	45	64	42-113	32	34	
Benzo(g,h,i)perylene	ug/kg	<24.0	395	394	127	139	27	30	18-114	9	30	
Benzo(k)fluoranthene	ug/kg	<29.6	395	394	264	269	60	62	50-116	2	27	
Chrysene	ug/kg	43.4J	395	394	261	307	55	67	55-109	16	28	
Dibenz(a,h)anthracene	ug/kg	<26.4	395	394	170	186	41	45	39-105	9	29	
Fluoranthene	ug/kg	110J	395	394	319	402	53	74	41-107	23	28	
Fluorene	ug/kg	50.6J	395	394	259	316	53	67	48-99	20	28	
Indeno(1,2,3-cd)pyrene	ug/kg	<26.0	395	394	151	165	34	37	27-113	9	30	
Naphthalene	ug/kg	2250	395	394	2270	3340	4	275	40-91	38	37	M1,R1
Phenanthrene	ug/kg	150J	395	394	350J	461	51	79	46-101		40	
Pyrene	ug/kg	94.4J	395	394	308	378	54	72	50-102	20	31	
2-Fluorobiphenyl (S)	%						49	54	19-96			
Terphenyl-d14 (S)	%						54	59	31-98			

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

QC Batch: 263715 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 40154369009, 40154369010, 40154369011, 40154369012, 40154369015, 40154369016

METHOD BLANK: 1552274 Matrix: Solid
Associated Lab Samples: 40154369009, 40154369010, 40154369011, 40154369012, 40154369015, 40154369016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	<19.6	65.4	08/07/17 20:11	
1,2-Dichlorobenzene	ug/kg	<54.6	182	08/07/17 20:11	
1,3-Dichlorobenzene	ug/kg	<24.0	80.1	08/07/17 20:11	
1,4-Dichlorobenzene	ug/kg	<24.2	80.6	08/07/17 20:11	
2,2'-Oxybis(1-chloropropane)	ug/kg	<44.7	149	08/07/17 20:11	
2,4,5-Trichlorophenol	ug/kg	<30.6	102	08/07/17 20:11	
2,4,6-Trichlorophenol	ug/kg	<26.5	88.2	08/07/17 20:11	
2,4-Dichlorophenol	ug/kg	<46.4	155	08/07/17 20:11	
2,4-Dimethylphenol	ug/kg	<34.3	114	08/07/17 20:11	
2,4-Dinitrophenol	ug/kg	<52.9	176	08/07/17 20:11	
2,4-Dinitrotoluene	ug/kg	<24.8	82.7	08/07/17 20:11	
2,6-Dinitrotoluene	ug/kg	<32.9	110	08/07/17 20:11	
2-Chloronaphthalene	ug/kg	<22.3	74.3	08/07/17 20:11	
2-Chlorophenol	ug/kg	<43.3	144	08/07/17 20:11	
2-Methylnaphthalene	ug/kg	<45.1	150	08/07/17 20:11	
2-Methylphenol(o-Cresol)	ug/kg	<31.5	105	08/07/17 20:11	
2-Nitroaniline	ug/kg	<49.4	165	08/07/17 20:11	
2-Nitrophenol	ug/kg	<54.8	183	08/07/17 20:11	
3&4-Methylphenol(m&p Cresol)	ug/kg	<31.8	106	08/07/17 20:11	
3,3'-Dichlorobenzidine	ug/kg	<47.1	157	08/07/17 20:11	
3-Nitroaniline	ug/kg	<29.5	98.4	08/07/17 20:11	
4,6-Dinitro-2-methylphenol	ug/kg	<53.5	178	08/07/17 20:11	
4-Bromophenylphenyl ether	ug/kg	<36.3	121	08/07/17 20:11	
4-Chloro-3-methylphenol	ug/kg	<54.0	180	08/07/17 20:11	
4-Chloroaniline	ug/kg	<28.5	95.0	08/07/17 20:11	
4-Chlorophenylphenyl ether	ug/kg	<32.3	108	08/07/17 20:11	
4-Nitroaniline	ug/kg	<72.0	240	08/07/17 20:11	
4-Nitrophenol	ug/kg	<43.7	146	08/07/17 20:11	
Acenaphthene	ug/kg	<61.5	205	08/07/17 20:11	
Acenaphthylene	ug/kg	<61.9	206	08/07/17 20:11	
Anthracene	ug/kg	<27.7	92.4	08/07/17 20:11	
Benzo(a)anthracene	ug/kg	<26.9	89.6	08/07/17 20:11	
Benzo(a)pyrene	ug/kg	<26.1	87.0	08/07/17 20:11	
Benzo(b)fluoranthene	ug/kg	<29.8	99.4	08/07/17 20:11	
Benzo(g,h,i)perylene	ug/kg	<45.4	151	08/07/17 20:11	
Benzo(k)fluoranthene	ug/kg	<41.5	138	08/07/17 20:11	
bis(2-Chloroethoxy)methane	ug/kg	<46.7	156	08/07/17 20:11	
bis(2-Chloroethyl) ether	ug/kg	<54.2	181	08/07/17 20:11	
bis(2-Ethylhexyl)phthalate	ug/kg	<28.9	96.2	08/07/17 20:11	
Butylbenzylphthalate	ug/kg	<27.8	92.7	08/07/17 20:11	
Carbazole	ug/kg	<27.2	90.6	08/07/17 20:11	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

METHOD BLANK: 1552274

Matrix: Solid

Associated Lab Samples: 40154369009, 40154369010, 40154369011, 40154369012, 40154369015, 40154369016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chrysene	ug/kg	<25.9	86.5	08/07/17 20:11	
Di-n-butylphthalate	ug/kg	<25.9	86.4	08/07/17 20:11	
Di-n-octylphthalate	ug/kg	<39.0	130	08/07/17 20:11	
Dibenz(a,h)anthracene	ug/kg	<47.1	157	08/07/17 20:11	
Dibenzofuran	ug/kg	<21.0	70.0	08/07/17 20:11	
Diethylphthalate	ug/kg	<28.8	95.9	08/07/17 20:11	
Dimethylphthalate	ug/kg	<22.6	75.2	08/07/17 20:11	
Fluoranthene	ug/kg	<24.6	81.8	08/07/17 20:11	
Fluorene	ug/kg	<20.3	67.6	08/07/17 20:11	
Hexachloro-1,3-butadiene	ug/kg	<44.2	147	08/07/17 20:11	
Hexachlorobenzene	ug/kg	<29.2	97.3	08/07/17 20:11	
Hexachlorocyclopentadiene	ug/kg	<41.1	137	08/07/17 20:11	
Hexachloroethane	ug/kg	<27.8	92.6	08/07/17 20:11	
Indeno(1,2,3-cd)pyrene	ug/kg	<37.5	125	08/07/17 20:11	
Isophorone	ug/kg	<26.7	88.9	08/07/17 20:11	
N-Nitroso-di-n-propylamine	ug/kg	<27.5	91.7	08/07/17 20:11	
N-Nitrosodiphenylamine	ug/kg	<235	785	08/07/17 20:11	
Naphthalene	ug/kg	<60.7	202	08/07/17 20:11	
Nitrobenzene	ug/kg	<35.2	117	08/07/17 20:11	
Pentachlorophenol	ug/kg	<38.2	127	08/07/17 20:11	
Phenanthrene	ug/kg	<22.3	74.2	08/07/17 20:11	
Phenol	ug/kg	<41.2	137	08/07/17 20:11	
Pyrene	ug/kg	<38.5	128	08/07/17 20:11	
2,4,6-Tribromophenol (S)	%	101	13-143	08/07/17 20:11	
2-Fluorobiphenyl (S)	%	97	18-127	08/07/17 20:11	
2-Fluorophenol (S)	%	92	16-103	08/07/17 20:11	
Nitrobenzene-d5 (S)	%	96	13-114	08/07/17 20:11	
Phenol-d6 (S)	%	91	30-97	08/07/17 20:11	
Terphenyl-d14 (S)	%	103	41-109	08/07/17 20:11	

LABORATORY CONTROL SAMPLE: 1552275

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1750	1640	94	65-130	
1,2-Dichlorobenzene	ug/kg	1750	1490	85	53-130	
1,3-Dichlorobenzene	ug/kg	1750	1500	86	51-99	
1,4-Dichlorobenzene	ug/kg	1750	1490	85	52-101	
2,2'-Oxybis(1-chloropropane)	ug/kg	1750	1560	89	54-105	
2,4,5-Trichlorophenol	ug/kg	1750	1660	95	60-119	
2,4,6-Trichlorophenol	ug/kg	1750	1680	96	64-115	
2,4-Dichlorophenol	ug/kg	1750	1690	96	66-99	
2,4-Dimethylphenol	ug/kg	1750	1670	96	70-121	
2,4-Dinitrophenol	ug/kg	1750	1370	78	23-72	L1
2,4-Dinitrotoluene	ug/kg	1750	1740	100	58-131	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

LABORATORY CONTROL SAMPLE: 1552275

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,6-Dinitrotoluene	ug/kg	1750	1800	103	60-125	
2-Chloronaphthalene	ug/kg	1750	1600	91	64-111	
2-Chlorophenol	ug/kg	1750	1560	89	57-130	
2-Methylnaphthalene	ug/kg	1750	1690	96	67-130	
2-Methylphenol(o-Cresol)	ug/kg	1750	1620	93	64-106	
2-Nitroaniline	ug/kg	1750	1730	98	60-124	
2-Nitrophenol	ug/kg	1750	1680	96	63-107	
3&4-Methylphenol(m&p Cresol)	ug/kg	1750	1560	89	62-106	
3,3'-Dichlorobenzidine	ug/kg	1750	1390	79	39-100	
3-Nitroaniline	ug/kg	1750	1670	95	53-119	
4,6-Dinitro-2-methylphenol	ug/kg	1750	1750	100	49-115	
4-Bromophenylphenyl ether	ug/kg	1750	1790	102	70-130	
4-Chloro-3-methylphenol	ug/kg	1750	1740	99	68-101	
4-Chloroaniline	ug/kg	1750	1620	92	62-126	
4-Chlorophenylphenyl ether	ug/kg	1750	1660	94	67-116	
4-Nitroaniline	ug/kg	1750	1690	96	48-130	
4-Nitrophenol	ug/kg	1750	1840	105	38-118	
Acenaphthene	ug/kg	1750	1640	93	65-116	
Acenaphthylene	ug/kg	1750	1640	94	63-119	
Anthracene	ug/kg	1750	1850	106	70-122	
Benzo(a)anthracene	ug/kg	1750	1640	94	68-111	
Benzo(a)pyrene	ug/kg	1750	1660	95	69-106	
Benzo(b)fluoranthene	ug/kg	1750	1600	91	62-104	
Benzo(g,h,i)perylene	ug/kg	1750	1740	99	55-114	
Benzo(k)fluoranthene	ug/kg	1750	1640	94	64-104	
bis(2-Chloroethoxy)methane	ug/kg	1750	1680	96	70-130	
bis(2-Chloroethyl) ether	ug/kg	1750	1550	88	55-130	
bis(2-Ethylhexyl)phthalate	ug/kg	1750	1820	104	56-117	
Butylbenzylphthalate	ug/kg	1750	1880	107	57-118	
Carbazole	ug/kg	1750	1860	106	70-125	
Chrysene	ug/kg	1750	1320	75	49-121	
Di-n-butylphthalate	ug/kg	1750	1920	109	68-113	
Di-n-octylphthalate	ug/kg	1750	1750	100	48-123	
Dibenz(a,h)anthracene	ug/kg	1750	1220	70	10-124	
Dibenzofuran	ug/kg	1750	1580	90	67-118	
Diethylphthalate	ug/kg	1750	1830	104	68-117	
Dimethylphthalate	ug/kg	1750	1850	106	68-115	
Fluoranthene	ug/kg	1750	1760	101	72-117	
Fluorene	ug/kg	1750	1680	96	64-123	
Hexachloro-1,3-butadiene	ug/kg	1750	1810	103	62-106	
Hexachlorobenzene	ug/kg	1750	1740	99	70-130	
Hexachlorocyclopentadiene	ug/kg	1750	1410	81	41-114	
Hexachloroethane	ug/kg	1750	1570	90	51-96	
Indeno(1,2,3-cd)pyrene	ug/kg	1750	1740	99	47-116	
Isophorone	ug/kg	1750	1630	93	67-130	
N-Nitroso-di-n-propylamine	ug/kg	1750	1520	87	61-130	
N-Nitrosodiphenylamine	ug/kg	1750	1710	97	73-115	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

LABORATORY CONTROL SAMPLE: 1552275

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	1750	1640	94	65-130	
Nitrobenzene	ug/kg	1750	1600	91	64-130	
Pentachlorophenol	ug/kg	1750	1680	96	50-111	
Phenanthrene	ug/kg	1750	1730	99	70-111	
Phenol	ug/kg	1750	1490	85	56-103	
Pyrene	ug/kg	1750	1680	96	69-118	
2,4,6-Tribromophenol (S)	%			109	13-143	
2-Fluorobiphenyl (S)	%			97	18-127	
2-Fluorophenol (S)	%			93	16-103	
Nitrobenzene-d5 (S)	%			100	13-114	
Phenol-d6 (S)	%			91	30-97	
Terphenyl-d14 (S)	%			100	41-109	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1552276 1552277

Parameter	Units	40154513001 Result	MS Spike Conc.	MSD Spike Conc.	1552276		1552277		% Rec Limits	RPD	Max RPD	Qual
					MS Result	MSD Result	MS % Rec	MSD % Rec				
1,2,4-Trichlorobenzene	ug/kg	<0.020 mg/kg	1730	1730	1160	1180	68	68	51-130	1	28	
1,2-Dichlorobenzene	ug/kg	<0.054 mg/kg	1730	1730	1090	1060	63	61	43-130	3	34	
1,3-Dichlorobenzene	ug/kg	<23.9	1730	1730	1080	1030	63	60	39-99	5	34	
1,4-Dichlorobenzene	ug/kg	<0.024 mg/kg	1730	1730	1100	1040	64	60	39-101	6	34	
2,2'-Oxybis(1-chloropropane)	ug/kg	<44.6	1730	1730	1210	1160	70	67	39-105	5	28	
2,4,5-Trichlorophenol	ug/kg	<30.5	1730	1730	1130	1130	65	65	34-119	0	39	
2,4,6-Trichlorophenol	ug/kg	<26.3	1730	1730	1190	1200	69	69	41-117	1	33	
2,4-Dichlorophenol	ug/kg	<46.2	1730	1730	1190	1190	69	69	48-99	0	23	
2,4-Dimethylphenol	ug/kg	<34.2	1730	1730	1200	1220	70	71	47-121	2	35	
2,4-Dinitrophenol	ug/kg	<52.6	1730	1730	<52.6	<52.6	0	0	10-72		50	MO
2,4-Dinitrotoluene	ug/kg	<24.7	1730	1730	1230	1240	72	72	34-131	1	28	
2,6-Dinitrotoluene	ug/kg	<32.8	1730	1730	1280	1290	74	75	37-127	1	23	
2-Chloronaphthalene	ug/kg	<22.2	1730	1730	1200	1200	70	70	51-111	0	20	
2-Chlorophenol	ug/kg	<43.1	1730	1730	1140	1120	66	65	45-130	2	30	
2-Methylnaphthalene	ug/kg	<44.9	1730	1730	1280	1290	74	75	47-130	1	37	
2-Methylphenol(o-Cresol)	ug/kg	<31.4	1730	1730	1200	1210	70	70	46-106	1	32	
2-Nitroaniline	ug/kg	<49.2	1730	1730	1270	1230	74	71	36-126	3	33	
2-Nitrophenol	ug/kg	<54.5	1730	1730	1110	1080	64	63	29-114	2	33	
3&4-Methylphenol(m&p Cresol)	ug/kg	<31.7	1730	1730	1180	1160	69	67	42-106	2	33	
3,3'-Dichlorobenzidine	ug/kg	<46.9	1730	1730	631	686	37	40	10-120	8	50	
3-Nitroaniline	ug/kg	<29.4	1730	1730	993	1040	58	61	22-125	5	39	
4,6-Dinitro-2-methylphenol	ug/kg	<53.3	1730	1730	220	224	13	13	10-115	1	50	
4-Bromophenylphenyl ether	ug/kg	<36.2	1730	1730	1280	1310	74	76	52-130	2	22	
4-Chloro-3-methylphenol	ug/kg	<53.8	1730	1730	1260	1320	73	77	52-101	5	31	
4-Chloroaniline	ug/kg	<28.4	1730	1730	685	732	40	42	26-126	7	41	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1552276		1552277		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40154513001 Result	MS Spike Conc.	MSD Spike Conc.									
4-Chlorophenylphenyl ether	ug/kg	<32.2	1730	1730	1300	1340	75	77	54-116	3	22		
4-Nitroaniline	ug/kg	<71.7	1730	1730	1040	1050	61	61	15-130	1	50		
4-Nitrophenol	ug/kg	<43.5	1730	1730	1020	1000	59	58	10-118	1	47		
Acenaphthene	ug/kg	<0.061	1730	1730	1270	1300	72	74	46-120	2	31		
Acenaphthylene	ug/kg	<0.062	1730	1730	1250	1250	73	72	50-119	0	30		
Anthracene	ug/kg	0.10	1730	1730	1540	1530	84	83	40-122	1	38		
Benzo(a)anthracene	ug/kg	0.43	1730	1730	1770	1790	77	79	43-111	1	41		
Benzo(a)pyrene	ug/kg	0.47	1730	1730	1750	1810	74	78	46-106	4	43		
Benzo(b)fluoranthene	ug/kg	0.72	1730	1730	2020	2130	75	81	39-104	5	47		
Benzo(g,h,i)perylene	ug/kg	0.43	1730	1730	1710	1710	74	74	39-114	0	37		
Benzo(k)fluoranthene	ug/kg	0.23	1730	1730	1500	1540	74	76	44-104	3	38		
bis(2-Chloroethoxy)methane	ug/kg	<46.5	1730	1730	1240	1210	72	70	49-130	2	20		
bis(2-Chloroethyl) ether	ug/kg	<0.054	1730	1730	1160	1080	67	63	40-130	6	33		
bis(2-Ethylhexyl)phthalate	ug/kg	0.34	1730	1730	1930	2010	92	97	42-117	4	23		
Butylbenzylphthalate	ug/kg	<27.7	1730	1730	1560	1650	89	95	44-118	5	24		
Carbazole	ug/kg	51.3J	1730	1730	1480	1530	83	85	35-125	3	38		
Chrysene	ug/kg	0.49	1730	1730	1590	1650	64	68	24-129	4	46		
Di-n-butylphthalate	ug/kg	<25.8	1730	1730	1540	1620	90	94	51-113	5	20		
Di-n-octylphthalate	ug/kg	<38.8	1730	1730	1460	1540	85	89	32-125	5	32		
Dibenz(a,h)anthracene	ug/kg	0.11J	1730	1730	998	950	52	49	10-124	5	33		
Dibenzofuran	ug/kg	<20.9	1730	1730	1250	1240	72	71	48-118	0	27		
Diethylphthalate	ug/kg	<28.6	1730	1730	1450	1490	84	86	54-117	2	32		
Dimethylphthalate	ug/kg	<22.5	1730	1730	1390	1440	80	83	53-115	4	35		
Fluoranthene	ug/kg	0.97	1730	1730	2550	2600	92	94	41-117	2	41		
Fluorene	ug/kg	0.029J	1730	1730	1380	1390	78	79	46-123	0	36		
Hexachloro-1,3-butadiene	ug/kg	<44.0	1730	1730	1240	1280	72	74	46-106	3	27		
Hexachlorobenzene	ug/kg	<29.1	1730	1730	1250	1300	73	75	51-130	4	22		
Hexachlorocyclopentadiene	ug/kg	<0.041	1730	1730	272	282	16	16	10-118	3	47		
Hexachloroethane	ug/kg	<27.6	1730	1730	1050	1010	61	59	36-96	3	42		
Indeno(1,2,3-cd)pyrene	ug/kg	0.48	1730	1730	1710	1820	72	78	31-116	6	37		
Isophorone	ug/kg	<26.6	1730	1730	1200	1200	70	70	50-130	0	21		
N-Nitroso-di-n-propylamine	ug/kg	<0.027	1730	1730	1170	1150	68	67	46-130	2	36		
N-Nitrosodiphenylamine	ug/kg	<0.23	1730	1730	1130	1350	66	78	50-117	17	28		

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1552276		1552277		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40154513001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result										
Naphthalene	ug/kg	<0.060 mg/kg	1730	1730	1230	1230	72	71	46-130	0	28				
Nitrobenzene	ug/kg	<35.0	1730	1730	1140	1110	66	65	44-130	3	28				
Pentachlorophenol	ug/kg	<38.0	1730	1730	780	826	45	48	10-119	6	50				
Phenanthrene	ug/kg	0.43 mg/kg	1730	1730	1850	1790	83	79	42-111	4	45				
Phenol	ug/kg	<41.0	1730	1730	1150	1120	67	65	39-103	2	30				
Pyrene	ug/kg	0.84 mg/kg	1730	1730	2420	2270	91	83	44-118	6	43				
2,4,6-Tribromophenol (S)	%						80	82	13-143						
2-Fluorobiphenyl (S)	%						68	68	18-127						
2-Fluorophenol (S)	%						61	62	16-103						
Nitrobenzene-d5 (S)	%						71	67	13-114						
Phenol-d6 (S)	%						64	62	30-97						
Terphenyl-d14 (S)	%						79	76	41-109						

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

QC Batch: 263696 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 40154369017, 40154369018, 40154369023, 40154369024, 40154369028

METHOD BLANK: 1552186 Matrix: Water
Associated Lab Samples: 40154369017, 40154369018, 40154369023, 40154369024, 40154369028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<2.0	6.8	08/07/17 14:31	
1,2-Dichlorobenzene	ug/L	<1.9	6.4	08/07/17 14:31	
1,3-Dichlorobenzene	ug/L	<1.9	6.3	08/07/17 14:31	
1,4-Dichlorobenzene	ug/L	<1.9	6.3	08/07/17 14:31	
2,2'-Oxybis(1-chloropropane)	ug/L	<1.5	5.1	08/07/17 14:31	
2,4,5-Trichlorophenol	ug/L	<0.84	2.8	08/07/17 14:31	
2,4,6-Trichlorophenol	ug/L	<2.1	7.0	08/07/17 14:31	
2,4-Dichlorophenol	ug/L	<1.4	4.6	08/07/17 14:31	
2,4-Dimethylphenol	ug/L	<1.3	4.2	08/07/17 14:31	
2,4-Dinitrophenol	ug/L	<0.71	2.4	08/07/17 14:31	
2,4-Dinitrotoluene	ug/L	<0.79	2.6	08/07/17 14:31	
2,6-Dinitrotoluene	ug/L	<0.60	2.0	08/07/17 14:31	
2-Chloronaphthalene	ug/L	<1.6	5.5	08/07/17 14:31	
2-Chlorophenol	ug/L	<1.2	3.9	08/07/17 14:31	
2-Methylnaphthalene	ug/L	<1.5	5.0	08/07/17 14:31	
2-Methylphenol(o-Cresol)	ug/L	<0.87	2.9	08/07/17 14:31	
2-Nitroaniline	ug/L	<0.77	2.6	08/07/17 14:31	
2-Nitrophenol	ug/L	<1.2	3.9	08/07/17 14:31	
3&4-Methylphenol(m&p Cresol)	ug/L	<1.6	5.2	08/07/17 14:31	
3,3'-Dichlorobenzidine	ug/L	<0.91	3.0	08/07/17 14:31	
3-Nitroaniline	ug/L	<0.97	3.2	08/07/17 14:31	
4,6-Dinitro-2-methylphenol	ug/L	<0.65	2.2	08/07/17 14:31	
4-Bromophenylphenyl ether	ug/L	<2.0	6.6	08/07/17 14:31	
4-Chloro-3-methylphenol	ug/L	<1.7	5.6	08/07/17 14:31	
4-Chloroaniline	ug/L	<1.1	3.7	08/07/17 14:31	
4-Chlorophenylphenyl ether	ug/L	<0.82	2.7	08/07/17 14:31	
4-Nitroaniline	ug/L	<1.8	6.1	08/07/17 14:31	
4-Nitrophenol	ug/L	<1.0	3.5	08/07/17 14:31	
Acenaphthene	ug/L	<1.3	4.5	08/07/17 14:31	
Acenaphthylene	ug/L	<1.1	3.5	08/07/17 14:31	
Anthracene	ug/L	<1.8	6.0	08/07/17 14:31	
Benzo(a)anthracene	ug/L	<0.53	1.8	08/07/17 14:31	
Benzo(a)pyrene	ug/L	<1.9	6.3	08/07/17 14:31	
Benzo(b)fluoranthene	ug/L	<0.65	2.2	08/07/17 14:31	
Benzo(g,h,i)perylene	ug/L	<0.81	2.7	08/07/17 14:31	
Benzo(k)fluoranthene	ug/L	<1.0	3.3	08/07/17 14:31	
bis(2-Chloroethoxy)methane	ug/L	<1.0	3.3	08/07/17 14:31	
bis(2-Chloroethyl) ether	ug/L	<1.6	5.3	08/07/17 14:31	
bis(2-Ethylhexyl)phthalate	ug/L	<0.69	2.3	08/07/17 14:31	
Butylbenzylphthalate	ug/L	<0.77	2.6	08/07/17 14:31	
Carbazole	ug/L	<0.75	2.5	08/07/17 14:31	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

METHOD BLANK: 1552186

Matrix: Water

Associated Lab Samples: 40154369017, 40154369018, 40154369023, 40154369024, 40154369028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chrysene	ug/L	<1.7	5.8	08/07/17 14:31	
Di-n-butylphthalate	ug/L	<2.6	8.5	08/07/17 14:31	
Di-n-octylphthalate	ug/L	<1.9	6.3	08/07/17 14:31	
Dibenz(a,h)anthracene	ug/L	<1.3	4.4	08/07/17 14:31	
Dibenzofuran	ug/L	<0.77	2.6	08/07/17 14:31	
Diethylphthalate	ug/L	<1.1	3.6	08/07/17 14:31	
Dimethylphthalate	ug/L	<1.9	6.4	08/07/17 14:31	
Fluoranthene	ug/L	<0.56	1.9	08/07/17 14:31	
Fluorene	ug/L	<0.75	2.5	08/07/17 14:31	
Hexachloro-1,3-butadiene	ug/L	<2.5	8.2	08/07/17 14:31	
Hexachlorobenzene	ug/L	<1.7	5.6	08/07/17 14:31	
Hexachlorocyclopentadiene	ug/L	<0.68	2.3	08/07/17 14:31	
Hexachloroethane	ug/L	<2.7	8.9	08/07/17 14:31	
Indeno(1,2,3-cd)pyrene	ug/L	<1.5	5.0	08/07/17 14:31	
Isophorone	ug/L	<0.73	2.4	08/07/17 14:31	
N-Nitroso-di-n-propylamine	ug/L	<0.97	3.2	08/07/17 14:31	
N-Nitrosodiphenylamine	ug/L	<3.5	11.8	08/07/17 14:31	
Naphthalene	ug/L	<1.9	6.3	08/07/17 14:31	
Nitrobenzene	ug/L	<1.5	4.8	08/07/17 14:31	
Pentachlorophenol	ug/L	<1.4	4.8	08/07/17 14:31	
Phenanthrene	ug/L	<1.8	6.1	08/07/17 14:31	
Phenol	ug/L	<0.60	2.0	08/07/17 14:31	
Pyrene	ug/L	<1.3	4.5	08/07/17 14:31	
2,4,6-Tribromophenol (S)	%	98	65-140	08/07/17 14:31	
2-Fluorobiphenyl (S)	%	85	59-109	08/07/17 14:31	
2-Fluorophenol (S)	%	57	27-67	08/07/17 14:31	
Nitrobenzene-d5 (S)	%	95	53-100	08/07/17 14:31	
Phenol-d6 (S)	%	38	18-120	08/07/17 14:31	
Terphenyl-d14 (S)	%	98	59-108	08/07/17 14:31	

LABORATORY CONTROL SAMPLE & LCSD: 1552187

1552188

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	43.4	40.2	87	80	66-130	8	20	
1,2-Dichlorobenzene	ug/L	50	37.8	33.8	76	68	50-130	11	20	
1,3-Dichlorobenzene	ug/L	50	35.4	32.5	71	65	42-98	9	21	
1,4-Dichlorobenzene	ug/L	50	36.4	33.2	73	66	44-84	9	20	
2,2'-Oxybis(1-chloropropane)	ug/L	50	47.1	43.1	94	86	58-130	9	20	
2,4,5-Trichlorophenol	ug/L	50	46.0	45.4	92	91	63-127	1	24	
2,4,6-Trichlorophenol	ug/L	50	47.3	46.2	95	92	65-125	2	23	
2,4-Dichlorophenol	ug/L	50	45.1	45.7	90	91	71-104	1	20	
2,4-Dimethylphenol	ug/L	50	33.9	36.7	68	73	40-85	8	29	
2,4-Dinitrophenol	ug/L	50	40.4	38.6	81	77	33-126	5	34	
2,4-Dinitrotoluene	ug/L	50	51.4	48.2	103	96	68-137	6	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

LABORATORY CONTROL SAMPLE & LCSD: 1552187		1552188									
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
2,6-Dinitrotoluene	ug/L	50	52.8	49.6	106	99	71-130	6	20		
2-Chloronaphthalene	ug/L	50	46.7	44.5	93	89	70-120	5	20		
2-Chlorophenol	ug/L	50	41.5	43.2	83	86	60-101	4	20		
2-Methylnaphthalene	ug/L	50	47.2	44.9	94	90	70-130	5	20		
2-Methylphenol(o-Cresol)	ug/L	50	37.1	39.0	74	78	54-103	5	20		
2-Nitroaniline	ug/L	50	51.3	46.7	103	93	70-130	9	20		
2-Nitrophenol	ug/L	50	46.9	47.0	94	94	66-111	0	20		
3&4-Methylphenol(m&p Cresol)	ug/L	50	33.1	34.2	66	68	50-95	3	20		
3,3'-Dichlorobenzidine	ug/L	50	35.1	33.4	70	67	37-97	5	26		
3-Nitroaniline	ug/L	50	49.0	45.8	98	92	70-113	7	20		
4,6-Dinitro-2-methylphenol	ug/L	50	48.8	48.2	98	96	49-136	1	25		
4-Bromophenylphenyl ether	ug/L	50	51.9	51.1	104	102	70-130	2	20		
4-Chloro-3-methylphenol	ug/L	50	45.4	45.9	91	92	69-109	1	20		
4-Chloroaniline	ug/L	50	46.7	45.1	93	90	70-125	3	20		
4-Chlorophenylphenyl ether	ug/L	50	48.5	46.3	97	93	70-130	5	20		
4-Nitroaniline	ug/L	50	49.2	44.8	98	90	70-124	9	23		
4-Nitrophenol	ug/L	50	21.4	17.6	43	35	21-130	20	30		
Acenaphthene	ug/L	50	48.4	45.7	97	91	73-118	6	20		
Acenaphthylene	ug/L	50	48.1	45.3	96	91	70-120	6	20		
Anthracene	ug/L	50	53.7	53.1	107	106	70-130	1	20		
Benzo(a)anthracene	ug/L	50	48.6	46.2	97	92	70-130	5	20		
Benzo(a)pyrene	ug/L	50	49.2	45.2	98	90	73-106	8	20		
Benzo(b)fluoranthene	ug/L	50	49.5	45.7	99	91	68-130	8	20		
Benzo(g,h,i)perylene	ug/L	50	51.9	48.0	104	96	60-121	8	20		
Benzo(k)fluoranthene	ug/L	50	48.5	46.4	97	93	62-124	4	20		
bis(2-Chloroethoxy)methane	ug/L	50	50.8	48.2	102	96	70-130	5	20		
bis(2-Chloroethyl) ether	ug/L	50	47.4	43.9	95	88	65-130	8	20		
bis(2-Ethylhexyl)phthalate	ug/L	50	55.3	50.7	111	101	66-123	9	20		
Butylbenzylphthalate	ug/L	50	57.1	52.9	114	106	63-123	8	20		
Carbazole	ug/L	50	56.2	53.4	112	107	70-130	5	20		
Chrysene	ug/L	50	39.3	37.8	79	76	50-127	4	20		
Di-n-butylphthalate	ug/L	50	58.7	55.2	117	110	70-130	6	20		
Di-n-octylphthalate	ug/L	50	52.9	47.9	106	96	53-121	10	23		
Dibenz(a,h)anthracene	ug/L	50	33.9	30.4	68	61	10-130	11	25		
Dibenzofuran	ug/L	50	46.3	44.8	93	90	70-124	3	20		
Diethylphthalate	ug/L	50	54.1	51.5	108	103	70-130	5	20		
Dimethylphthalate	ug/L	50	53.4	52.6	107	105	70-130	2	20		
Fluoranthene	ug/L	50	52.7	49.8	105	100	75-118	6	21		
Fluorene	ug/L	50	49.6	47.3	99	95	70-130	5	20		
Hexachloro-1,3-butadiene	ug/L	50	43.6	41.1	87	82	57-100	6	20		
Hexachlorobenzene	ug/L	50	51.6	49.9	103	100	70-130	3	20		
Hexachlorocyclopentadiene	ug/L	50	22.4	19.6	45	39	19-75	13	29		
Hexachloroethane	ug/L	50	34.6	31.1	69	62	41-130	10	24		
Indeno(1,2,3-cd)pyrene	ug/L	50	51.8	46.9	104	94	43-122	10	26		
Isophorone	ug/L	50	48.6	45.6	97	91	70-130	6	20		
N-Nitroso-di-n-propylamine	ug/L	50	46.0	42.2	92	84	70-130	9	20		
N-Nitrosodiphenylamine	ug/L	50	53.2	54.2	106	108	83-129	2	20		

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Parameter	Units	1552187		1552188			% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec				
Naphthalene	ug/L	50	46.2	43.7	92	87	68-130	6	20	
Nitrobenzene	ug/L	50	46.9	43.9	94	88	70-130	7	20	
Pentachlorophenol	ug/L	50	49.3	46.4	99	93	57-121	6	26	
Phenanthrene	ug/L	50	50.6	49.3	101	99	70-124	3	20	
Phenol	ug/L	50	20.0	18.2	40	36	25-120	9	20	
Pyrene	ug/L	50	52.3	50.4	105	101	70-130	4	21	
2,4,6-Tribromophenol (S)	%				103	98	65-140			
2-Fluorobiphenyl (S)	%				88	80	59-109			
2-Fluorophenol (S)	%				56	57	27-67			
Nitrobenzene-d5 (S)	%				93	86	53-100			
Phenol-d6 (S)	%				38	34	18-120			
Terphenyl-d14 (S)	%				103	101	59-108			

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

QC Batch: 263553 Analysis Method: EPA 8270 by HVI
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by HVI
Associated Lab Samples: 40154369019, 40154369020, 40154369021, 40154369022

METHOD BLANK: 1551342 Matrix: Water
Associated Lab Samples: 40154369019, 40154369020, 40154369021, 40154369022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0059	0.030	08/04/17 13:27	
2-Methylnaphthalene	ug/L	<0.0049	0.024	08/04/17 13:27	
Acenaphthene	ug/L	<0.0061	0.030	08/04/17 13:27	
Acenaphthylene	ug/L	<0.0050	0.025	08/04/17 13:27	
Anthracene	ug/L	<0.010	0.052	08/04/17 13:27	
Benzo(a)anthracene	ug/L	<0.0076	0.038	08/04/17 13:27	
Benzo(a)pyrene	ug/L	<0.011	0.053	08/04/17 13:27	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	08/04/17 13:27	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	08/04/17 13:27	
Benzo(k)fluoranthene	ug/L	<0.0076	0.038	08/04/17 13:27	
Chrysene	ug/L	<0.013	0.065	08/04/17 13:27	
Dibenz(a,h)anthracene	ug/L	<0.010	0.050	08/04/17 13:27	
Fluoranthene	ug/L	<0.011	0.053	08/04/17 13:27	
Fluorene	ug/L	<0.0080	0.040	08/04/17 13:27	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	08/04/17 13:27	
Naphthalene	ug/L	<0.018	0.092	08/04/17 13:27	
Phenanthrene	ug/L	<0.014	0.069	08/04/17 13:27	
Pyrene	ug/L	0.010J	0.038	08/04/17 13:27	
2-Fluorobiphenyl (S)	%	31	35-84	08/04/17 13:27	S0
Terphenyl-d14 (S)	%	58	10-129	08/04/17 13:27	

LABORATORY CONTROL SAMPLE & LCSD: 1551343 1551344

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	2	1.3	1.2	65	58	39-83	11	29	
2-Methylnaphthalene	ug/L	2	1.2	1.2	62	60	38-86	2	32	
Acenaphthene	ug/L	2	1.3	1.3	65	64	35-85	1	27	
Acenaphthylene	ug/L	2	1.3	1.3	66	66	31-88	0	29	
Anthracene	ug/L	2	1.6	1.1	81	57	47-104	36	25	R1
Benzo(a)anthracene	ug/L	2	1.3	1.3	67	67	36-105	0	20	
Benzo(a)pyrene	ug/L	2	1.8	1.7	89	86	69-117	4	20	
Benzo(b)fluoranthene	ug/L	2	1.6	1.6	79	81	54-107	3	22	
Benzo(g,h,i)perylene	ug/L	2	0.71	0.74	35	37	13-86	5	33	
Benzo(k)fluoranthene	ug/L	2	1.9	1.8	93	91	63-128	2	20	
Chrysene	ug/L	2	2.0	2.1	101	103	69-150	2	20	
Dibenz(a,h)anthracene	ug/L	2	0.59	0.66	30	33	10-87	10	37	
Fluoranthene	ug/L	2	1.6	1.5	79	73	57-103	7	20	
Fluorene	ug/L	2	1.2	1.2	62	61	38-85	3	28	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.2	1.2	61	59	40-111	4	22	
Naphthalene	ug/L	2	1.3	1.3	63	63	39-82	0	28	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Parameter	Units	Spike Conc.	1551344		LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
			LCS Result	LCSD Result						
Phenanthrene	ug/L	2	1.4	1.3	68	65	46-96	5	25	
Pyrene	ug/L	2	1.6	1.6	80	82	57-110	2	20	
2-Fluorobiphenyl (S)	%				60	60	35-84			
Terphenyl-d14 (S)	%				79	80	10-129			

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

QC Batch: 263698 Analysis Method: EPA 8270 by HVI
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by HVI
Associated Lab Samples: 40154369025, 40154369026, 40154369027

METHOD BLANK: 1552192 Matrix: Water
Associated Lab Samples: 40154369025, 40154369026, 40154369027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0059	0.030	08/08/17 12:57	
2-Methylnaphthalene	ug/L	<0.0049	0.024	08/08/17 12:57	
Acenaphthene	ug/L	<0.0061	0.030	08/08/17 12:57	
Acenaphthylene	ug/L	<0.0050	0.025	08/08/17 12:57	
Anthracene	ug/L	<0.010	0.052	08/08/17 12:57	
Benzo(a)anthracene	ug/L	<0.0076	0.038	08/08/17 12:57	
Benzo(a)pyrene	ug/L	<0.011	0.053	08/08/17 12:57	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	08/08/17 12:57	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	08/08/17 12:57	
Benzo(k)fluoranthene	ug/L	<0.0076	0.038	08/08/17 12:57	
Chrysene	ug/L	<0.013	0.065	08/08/17 12:57	
Dibenz(a,h)anthracene	ug/L	<0.010	0.050	08/08/17 12:57	
Fluoranthene	ug/L	<0.011	0.053	08/08/17 12:57	
Fluorene	ug/L	<0.0080	0.040	08/08/17 12:57	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	08/08/17 12:57	
Naphthalene	ug/L	<0.018	0.092	08/08/17 12:57	
Phenanthrene	ug/L	0.036J	0.069	08/08/17 12:57	
Pyrene	ug/L	0.013J	0.038	08/08/17 12:57	
2-Fluorobiphenyl (S)	%	50	35-84	08/08/17 12:57	
Terphenyl-d14 (S)	%	93	10-129	08/08/17 12:57	

LABORATORY CONTROL SAMPLE: 1552193

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.0	51	39-83	
2-Methylnaphthalene	ug/L	2	0.97	48	38-86	
Acenaphthene	ug/L	2	1.1	56	35-85	
Acenaphthylene	ug/L	2	0.95	48	31-88	
Anthracene	ug/L	2	1.4	70	47-104	
Benzo(a)anthracene	ug/L	2	1.2	60	36-105	
Benzo(a)pyrene	ug/L	2	1.7	85	69-117	
Benzo(b)fluoranthene	ug/L	2	1.7	87	54-107	
Benzo(g,h,i)perylene	ug/L	2	0.91	45	13-86	
Benzo(k)fluoranthene	ug/L	2	2.0	99	63-128	
Chrysene	ug/L	2	2.0	102	69-150	
Dibenz(a,h)anthracene	ug/L	2	0.77	39	10-87	
Fluoranthene	ug/L	2	1.5	74	57-103	
Fluorene	ug/L	2	1.2	59	38-85	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.3	64	40-111	
Naphthalene	ug/L	2	1.0	51	39-82	

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

LABORATORY CONTROL SAMPLE: 1552193

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	2	1.4	70	46-96	
Pyrene	ug/L	2	1.6	82	57-110	
2-Fluorobiphenyl (S)	%			54	35-84	
Terphenyl-d14 (S)	%			88	10-129	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1552415 1552416

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40154369027 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1-Methylnaphthalene	ug/L	0.0099J	2	2	1.0	0.96	50	47	27-86	6	29	
2-Methylnaphthalene	ug/L	<0.0049	2	2	1.0	0.84	51	42	30-86	20	35	
Acenaphthene	ug/L	0.0077J	2	2	1.1	0.95	54	47	28-85	13	29	
Acenaphthylene	ug/L	<0.0050	2	2	0.93	0.81	47	40	27-88	15	29	
Anthracene	ug/L	0.047J	2	2	0.97	0.98	46	47	38-104	1	35	
Benzo(a)anthracene	ug/L	<0.0076	2	2	0.69	0.62	35	31	10-105	11	28	
Benzo(a)pyrene	ug/L	0.015J	2	2	0.66	0.63	32	31	10-130	5	26	
Benzo(b)fluoranthene	ug/L	0.020J	2	2	0.65	0.66	32	32	10-115	1	25	
Benzo(g,h,i)perylene	ug/L	0.019J	2	2	0.52	0.46	25	22	10-87	12	42	
Benzo(k)fluoranthene	ug/L	0.010J	2	2	0.80	0.80	39	39	10-133	1	25	
Chrysene	ug/L	0.029J	2	2	1.2	1.1	57	51	17-150	10	24	
Dibenz(a,h)anthracene	ug/L	<0.010	2	2	0.50	0.41	25	21	10-89	18	49	
Fluoranthene	ug/L	0.036J	2	2	1.1	1.0	51	48	41-103	6	32	
Fluorene	ug/L	0.010J	2	2	1.1	0.95	53	47	32-85	13	28	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	2	2	0.49	0.41	24	20	10-111	18	37	
Naphthalene	ug/L	0.031J	2	2	1.0	0.89	49	43	23-88	13	28	
Phenanthrene	ug/L	0.064J	2	2	1.2	1.1	55	54	33-96	2	25	
Pyrene	ug/L	0.038J	2	2	1.3	1.2	63	57	38-110	9	28	
2-Fluorobiphenyl (S)	%						51	43	35-84			
Terphenyl-d14 (S)	%						53	47	10-129			

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QUALITY CONTROL DATA

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

QC Batch:	264481	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40154369001, 40154369002, 40154369003, 40154369004, 40154369005, 40154369006, 40154369007, 40154369008, 40154369009, 40154369010, 40154369011, 40154369012, 40154369013, 40154369014, 40154369015, 40154369016		

SAMPLE DUPLICATE: 1556479

Parameter	Units	40154369004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.4	15.1	2	10	

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QUALIFIERS

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: 263639

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

[1] The 2-fluorobiphenyl surrogate recovery was below limits in the MB [Method Blank]. The samples could not be re-extracted within hold times.

Batch: 263780

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1q There was no chance to reextract within sample hold time.

2q This sample could not be re-extracted within hold time.

B Analyte was detected in the associated method blank.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

S0 Surrogate recovery outside laboratory control limits.

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

ANALYTE QUALIFIERS

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40154369009	SB-39 3-4'	EPA 3541	263888	EPA 8082	263889
40154369010	SB-21 3-3.5'	EPA 3541	263757	EPA 8082	263760
40154369011	SB-24 3-4'	EPA 3541	263757	EPA 8082	263760
40154369012	SB-25 3-4'	EPA 3541	263757	EPA 8082	263760
40154369015	SB-48 1-2'	EPA 3541	263888	EPA 8082	263889
40154369016	SB-47 2-2.5'	EPA 3541	263888	EPA 8082	263889
40154369001	SB-2 1-1.5'	EPA 3050	263652	EPA 6010	264045
40154369002	SB-42 1-2'	EPA 3050	263652	EPA 6010	264045
40154369003	SB-4 3-4'	EPA 3050	263652	EPA 6010	264045
40154369004	SB-5 4-5'	EPA 3050	263652	EPA 6010	264045
40154369005	SB-6 3-4'	EPA 3050	263652	EPA 6010	264045
40154369006	SB-8 10-12'	EPA 3050	263652	EPA 6010	264045
40154369007	SB-7 10-12'	EPA 3050	263652	EPA 6010	264045
40154369008	SB-9 4-5'	EPA 3050	263652	EPA 6010	264045
40154369009	SB-39 3-4'	EPA 3050	263850	EPA 6010	263983
40154369010	SB-21 3-3.5'	EPA 3050	263850	EPA 6010	263983
40154369011	SB-24 3-4'	EPA 3050	263850	EPA 6010	263983
40154369012	SB-25 3-4'	EPA 3050	263850	EPA 6010	263983
40154369013	SB-43 3-4'	EPA 3050	263652	EPA 6010	264045
40154369014	SB-44 2-3'	EPA 3050	263652	EPA 6010	264045
40154369015	SB-48 1-2'	EPA 3050	263850	EPA 6010	263983
40154369016	SB-47 2-2.5'	EPA 3050	263850	EPA 6010	263983
40154369017	SB-20-S	EPA 3010	263825	EPA 6010	263913
40154369018	SB-21-S	EPA 3010	263825	EPA 6010	263913
40154369019	SB-42-S	EPA 3010	263825	EPA 6010	263913
40154369020	SB-3-S	EPA 3010	263825	EPA 6010	263913
40154369021	SB-5-S	EPA 3010	263825	EPA 6010	263913
40154369022	SB-4-S	EPA 3010	263825	EPA 6010	263913
40154369023	SB-24-S	EPA 3010	263825	EPA 6010	263913
40154369024	SB-25-S	EPA 3010	263825	EPA 6010	263913
40154369025	SB-8-S	EPA 3010	263825	EPA 6010	263913
40154369026	SB-43-S	EPA 3010	263825	EPA 6010	263913
40154369027	SB-44-S	EPA 3010	263825	EPA 6010	263913
40154369028	SB-48-S	EPA 3010	263825	EPA 6010	263913
40154369017	SB-20-S	EPA 7470	264303	EPA 7470	264364
40154369018	SB-21-S	EPA 7470	264303	EPA 7470	264364
40154369023	SB-24-S	EPA 7470	264303	EPA 7470	264364
40154369024	SB-25-S	EPA 7470	264303	EPA 7470	264364
40154369028	SB-48-S	EPA 7470	264303	EPA 7470	264364
40154369009	SB-39 3-4'	EPA 7471	264416	EPA 7471	264455
40154369010	SB-21 3-3.5'	EPA 7471	264416	EPA 7471	264455
40154369011	SB-24 3-4'	EPA 7471	264416	EPA 7471	264455
40154369012	SB-25 3-4'	EPA 7471	264416	EPA 7471	264455
40154369015	SB-48 1-2'	EPA 7471	264416	EPA 7471	264455

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: KRAFT HEINZ FOODS COMPANY
Pace Project No.: 40154369

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40154369016	SB-47 2-2.5'	EPA 7471	264416	EPA 7471	264455
40154369001	SB-2 1-1.5'	EPA 3546	264123	EPA 8270 by SIM	264221
40154369002	SB-42 1-2'	EPA 3546	264123	EPA 8270 by SIM	264221
40154369003	SB-4 3-4'	EPA 3546	264123	EPA 8270 by SIM	264221
40154369004	SB-5 4-5'	EPA 3546	264123	EPA 8270 by SIM	264221
40154369005	SB-6 3-4'	EPA 3546	264123	EPA 8270 by SIM	264221
40154369006	SB-8 10-12'	EPA 3546	264123	EPA 8270 by SIM	264221
40154369007	SB-7 10-12'	EPA 3546	264123	EPA 8270 by SIM	264221
40154369008	SB-9 4-5'	EPA 3546	264123	EPA 8270 by SIM	264221
40154369013	SB-43 3-4'	EPA 3546	264123	EPA 8270 by SIM	264221
40154369014	SB-44 2-3'	EPA 3546	264123	EPA 8270 by SIM	264221
40154369009	SB-39 3-4'	EPA 3546	263715	EPA 8270	263777
40154369010	SB-21 3-3.5'	EPA 3546	263715	EPA 8270	263777
40154369011	SB-24 3-4'	EPA 3546	263715	EPA 8270	263777
40154369012	SB-25 3-4'	EPA 3546	263715	EPA 8270	263777
40154369015	SB-48 1-2'	EPA 3546	263715	EPA 8270	263777
40154369016	SB-47 2-2.5'	EPA 3546	263715	EPA 8270	263777
40154369017	SB-20-S	EPA 3510	263696	EPA 8270	263780
40154369018	SB-21-S	EPA 3510	263696	EPA 8270	263780
40154369023	SB-24-S	EPA 3510	263696	EPA 8270	263780
40154369024	SB-25-S	EPA 3510	263696	EPA 8270	263780
40154369028	SB-48-S	EPA 3510	263696	EPA 8270	263780
40154369019	SB-42-S	EPA 3510	263553	EPA 8270 by HVI	263639
40154369020	SB-3-S	EPA 3510	263553	EPA 8270 by HVI	263639
40154369021	SB-5-S	EPA 3510	263553	EPA 8270 by HVI	263639
40154369022	SB-4-S	EPA 3510	263553	EPA 8270 by HVI	263639
40154369025	SB-8-S	EPA 3510	263698	EPA 8270 by HVI	263801
40154369026	SB-43-S	EPA 3510	263698	EPA 8270 by HVI	263801
40154369027	SB-44-S	EPA 3510	263698	EPA 8270 by HVI	263801
40154369001	SB-2 1-1.5'	EPA 5035/5030B	263747	EPA 8260	263750
40154369002	SB-42 1-2'	EPA 5035/5030B	263623	EPA 8260	263626
40154369003	SB-4 3-4'	EPA 5035/5030B	263623	EPA 8260	263626
40154369004	SB-5 4-5'	EPA 5035/5030B	263623	EPA 8260	263626
40154369005	SB-6 3-4'	EPA 5035/5030B	263623	EPA 8260	263626
40154369006	SB-8 10-12'	EPA 5035/5030B	263623	EPA 8260	263626
40154369007	SB-7 10-12'	EPA 5035/5030B	263623	EPA 8260	263626
40154369008	SB-9 4-5'	EPA 5035/5030B	263623	EPA 8260	263626
40154369009	SB-39 3-4'	EPA 5035/5030B	263623	EPA 8260	263626
40154369010	SB-21 3-3.5'	EPA 5035/5030B	263747	EPA 8260	263750
40154369011	SB-24 3-4'	EPA 5035/5030B	263747	EPA 8260	263750
40154369012	SB-25 3-4'	EPA 5035/5030B	263747	EPA 8260	263750
40154369013	SB-43 3-4'	EPA 5035/5030B	263747	EPA 8260	263750
40154369014	SB-44 2-3'	EPA 5035/5030B	263747	EPA 8260	263750
40154369015	SB-48 1-2'	EPA 5035/5030B	263747	EPA 8260	263750
40154369016	SB-47 2-2.5'	EPA 5035/5030B	263747	EPA 8260	263750

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: KRAFT HEINZ FOODS COMPANY

Pace Project No.: 40154369

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40154369017	SB-20-S	EPA 8260	263541		
40154369018	SB-21-S	EPA 8260	263541		
40154369019	SB-42-S	EPA 8260	263541		
40154369020	SB-3-S	EPA 8260	263541		
40154369021	SB-5-S	EPA 8260	263541		
40154369022	SB-4-S	EPA 8260	263541		
40154369023	SB-24-S	EPA 8260	263541		
40154369024	SB-25-S	EPA 8260	263541		
40154369025	SB-8-S	EPA 8260	263541		
40154369026	SB-43-S	EPA 8260	263541		
40154369027	SB-44-S	EPA 8260	263541		
40154369028	SB-48-S	EPA 8260	263541		
40154369001	SB-2 1-1.5'	ASTM D2974-87	264481		
40154369002	SB-42 1-2'	ASTM D2974-87	264481		
40154369003	SB-4 3-4'	ASTM D2974-87	264481		
40154369004	SB-5 4-5'	ASTM D2974-87	264481		
40154369005	SB-6 3-4'	ASTM D2974-87	264481		
40154369006	SB-8 10-12'	ASTM D2974-87	264481		
40154369007	SB-7 10-12'	ASTM D2974-87	264481		
40154369008	SB-9 4-5'	ASTM D2974-87	264481		
40154369009	SB-39 3-4'	ASTM D2974-87	264481		
40154369010	SB-21 3-3.5'	ASTM D2974-87	264481		
40154369011	SB-24 3-4'	ASTM D2974-87	264481		
40154369012	SB-25 3-4'	ASTM D2974-87	264481		
40154369013	SB-43 3-4'	ASTM D2974-87	264481		
40154369014	SB-44 2-3'	ASTM D2974-87	264481		
40154369015	SB-48 1-2'	ASTM D2974-87	264481		
40154369016	SB-47 2-2.5'	ASTM D2974-87	264481		

REPORT OF LABORATORY ANALYSIS

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CHAIN OF CUSTODY

A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Disulfate Solution I=Sodium Thiosulfate J=Other

UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

40154369

Company Name: ERW1

Branch/Location:

Project Contact:

Phone:

Project Number:

Project Name: Kraft Heinz Company

Project State: Wisconsin

Sampled By (Print): Stephen Horkater

Sampled By (Sign): *Stephen Horkater*

PO #: *After Horkater*

Regulatory Program:

Data Package Options (billable)

EPA Level III

EPA Level IV

MS/MSD (billable)

On your sample

NOT needed on your sample

Matrix Codes

A = Air B = Biotin C = Charcoal O = Oil S = Soil SI = Sludge

W = Water DW = Drinking Water GW = Ground Water SW = Surface Water WW = Waste Water WP = Wipe

PAGE LAB #	CLIENT FIELD ID	DATE	COLLECTION TIME	MATRIX
001	SB-2 1-15'	7/31/17	14:10	SOIL
002	SB-42 1-21'	7/31/17	15:00	SOIL
003	SB-4 3-4'	7/31	16:00	SOIL
004	SB-5 4-5'	7/31	17:00	SOIL
005	SB-6 3-4'	7/31	17:50	SOIL
006	SB-8 10-12'	8/1	9:05	SOIL
007	SB-7 10-12'	8/1	10:00	SOIL
008	SB-9 4-5'	8/1	10:50	SOIL
009	SB-39 3-4'	8/1	11:40	SOIL
010	SB-21 3-3.5'	7/31/17	14:50	S
011	SB-24 3-4'	7/31/17	16:20	S

Analyses Requested	V/I/N	Pick Letter	Retention Codes	
			Transpiration	Preservation
VOCs				
Lead				
PAHs				
SVOCs				
PCBs				
Metals				

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)

Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:

Email #2:

Telephone:

Fax:

Relinquished By: *Pump bottles* Date/Time: *8/1 12:45*

Relinquished By: *Diagnosics* Date/Time: *8/31 09:35*

Relinquished By: *Quantilife* Date/Time: *8/31 08:55*

Relinquished By: *Paul* Date/Time: *8/31 08:55*

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

Received By: *Paul* Date/Time: *8/1 12:45*

Received By: *Diagnosics* Date/Time: *8/31 09:35*

Received By: *Quantilife* Date/Time: *8/31 08:55*

Received By: *Paul* Date/Time: *8/31 08:55*

PAGE Project No. 40154369

Receipt Temp = *RO Tm*

Sample Receipt pH *OK/ Adjusted*

Cooler Custody Seal *Present / Not Present*

Impact / Not Intact

(Please Print Clearly)



CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

40154369

Company Name: ERM
 Branch/Location: _____
 Project Contact: _____
 Phone: _____
 Project Number: _____
 Project Name: _____
 Project State: Wisconsin
 Sampled By (Print): Philip Lester
 Sampled By (Sign): [Signature]
 PO #: _____
 Regulatory Program: _____

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD (billable)
 On your sample
 NOT needed on your sample

Matrix Codes
 A = Air B = Biote W = Water
 C = Charcoal D = Drinking Water DW = Drinking Water
 O = Oil E = Soil GIV = Ground Water
 SI = Sludge SI = Sludge WW = Waste Water
 WP = Wipe

PAGE LAB #	CLIENT FIELD ID	DATE	COLLECTION TIME	MATRIX	Analyses Requested	Y/N	Pick Letter	FILTERED? (YES/NO)	PRESERVATION (CODE)
095	SB-8-S	8/1/17	10:00	GW	VOC	X			
096	SB-43-S	8/1/17	10:45	GW	SVOC	X			
097	SB-44-S	8/1/17	11:10	GW	metals	X			
098	SB-48-S	8/1/17	11:40	GW	PAH	X			
					Lead	X			

Relinquished By: Philip Lester Date/Time: 8/1 13:45
 Relinquished By: [Signature] Date/Time: 8-317 095
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

Received By: [Signature] Date/Time: 095
 Received By: [Signature] Date/Time: 8-317
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____

CLIENT COMMENTS: 3-40mV/B
2-lead
2-lead
2-lead

LAB COMMENTS (Lab Use Only): 2-lead
2-lead
2-lead

Profile # _____

FACE Project No. 40154369
 Receipt Temp = POI °C
 Sample Receipt pH OK Adjusted
 Cooler Custody Seal Present / Not Present
 Intact / Not Intact

Sample Condition Upon Receipt

Pace Analytical Services, LLC. - Green Bay WI
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical™

Client Name: ERM

Project #:

WO#: **40154369**

Courier: Fed Ex UPS Client Pace Other: CS Requesters
Tracking #: 746 080117



Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used: N/A

Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature: Uncorr: ROE / Corr:

Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Person examining contents:
Date: 8-3-17
Initials: SKW

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8. <u>No MS/MSD</u>
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>018 - No ID on samples placed by Collect into match. 020, ID has SB-3-8/3/17</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input checked="" type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 <2; NaOH+ZnAct >9, NaOH >12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed: <u>SKW</u> Lab Std #/ID of preservative: Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Soil vials from sample points 001-009 are covered RMW 8/3/17

Project Manager Review: AL for DM Date: 8-3-17

August 18, 2017

Andrew DeWitt
ERM, Inc.
3352 128th Avenue
Holland, MI 49424

RE: Project: 0403363 KRAFT
Pace Project No.: 40154484

Dear Andrew DeWitt:

Enclosed are the analytical results for sample(s) received by the laboratory on August 04, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Carl Stay, ERM, Inc.
David deCourcy-Bower, ERM, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0403363 KRAFT

Pace Project No.: 40154484

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 0403363 KRAFT

Pace Project No.: 40154484

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40154484001	SB-17 4-5 (SOIL)	Solid	08/02/17 14:55	08/04/17 10:10
40154484002	SB-16 2-2.5 (SOIL)	Solid	08/02/17 13:40	08/04/17 10:10
40154484003	SB-49-S (GW)	Water	08/02/17 14:30	08/04/17 10:10
40154484004	SB-50-S (GW)	Water	08/02/17 15:00	08/04/17 10:10
40154484005	SB-51-S (GW)	Water	08/02/17 15:30	08/04/17 10:10
40154484006	SB-17-S (GW)	Water	08/02/17 16:10	08/04/17 10:10
40154484007	TRIP BLANK	Water	08/02/17 00:00	08/04/17 10:10

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SAMPLE ANALYTE COUNT

Project: 0403363 KRAFT
Pace Project No.: 40154484

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40154484001	SB-17 4-5 (SOIL)	EPA 8082	BLM	10	PASI-G
		EPA 6010	JLD	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	LAP	64	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40154484002	SB-16 2-2.5 (SOIL)	EPA 8082	BLM	10	PASI-G
		EPA 6010	JLD	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	LAP	64	PASI-G
		ASTM D2974-87	KTS	1	PASI-G
40154484003	SB-49-S (GW)	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	HNW	64	PASI-G
40154484004	SB-50-S (GW)	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	HNW	64	PASI-G
40154484005	SB-51-S (GW)	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	HNW	64	PASI-G
40154484006	SB-17-S (GW)	EPA 6010	DLB	7	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	HNW	64	PASI-G
40154484007	TRIP BLANK	EPA 8260	HNW	64	PASI-G

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 0403363 KRAFT

Pace Project No.: 40154484

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40154484001	SB-17 4-5 (SOIL)					
EPA 6010	Arsenic	2.5J	mg/kg	5.3	08/14/17 15:16	
EPA 6010	Barium	9.6	mg/kg	0.53	08/14/17 15:16	
EPA 6010	Chromium	3.9	mg/kg	1.1	08/14/17 15:16	
EPA 6010	Lead	10.3	mg/kg	1.4	08/14/17 15:16	
ASTM D2974-87	Percent Moisture	6.4	%	0.10	08/08/17 15:06	
40154484002	SB-16 2-2.5 (SOIL)					
EPA 6010	Arsenic	6.1	mg/kg	5.6	08/14/17 15:23	
EPA 6010	Barium	16.5	mg/kg	0.56	08/14/17 15:23	
EPA 6010	Cadmium	0.36J	mg/kg	0.56	08/14/17 15:23	
EPA 6010	Chromium	5.9	mg/kg	1.1	08/14/17 15:23	
EPA 6010	Lead	15.8	mg/kg	1.5	08/14/17 15:23	
EPA 7471	Mercury	0.019J	mg/kg	0.041	08/15/17 13:24	
EPA 8270	Benzo(a)anthracene	102J	ug/kg	259	08/15/17 19:13	
EPA 8270	Benzo(a)pyrene	128J	ug/kg	251	08/15/17 19:13	
EPA 8270	Benzo(b)fluoranthene	132J	ug/kg	287	08/15/17 19:13	
EPA 8270	Benzo(g,h,i)perylene	146J	ug/kg	437	08/15/17 19:13	
EPA 8270	Chrysene	179J	ug/kg	250	08/15/17 19:13	
EPA 8270	Fluoranthene	182J	ug/kg	236	08/15/17 19:13	
EPA 8270	Indeno(1,2,3-cd)pyrene	124J	ug/kg	361	08/15/17 19:13	
EPA 8270	Phenanthrene	222	ug/kg	214	08/15/17 19:13	
EPA 8270	Pyrene	203J	ug/kg	370	08/15/17 19:13	
EPA 8260	Methylene Chloride	32.0J	ug/kg	72.1	08/08/17 09:41	
EPA 8260	Naphthalene	151J	ug/kg	300	08/08/17 09:41	
ASTM D2974-87	Percent Moisture	16.8	%	0.10	08/08/17 15:06	
40154484003	SB-49-S (GW)					
EPA 6010	Arsenic	24.6J	ug/L	25.0	08/11/17 10:00	
EPA 6010	Barium	434	ug/L	5.0	08/11/17 10:00	
EPA 6010	Chromium	180	ug/L	10.0	08/11/17 10:00	
EPA 6010	Lead	51.7	ug/L	13.0	08/11/17 10:00	
EPA 8260	1,2-Dichlorobenzene	0.58J	ug/L	1.0	08/08/17 11:21	
40154484004	SB-50-S (GW)					
EPA 6010	Arsenic	19.8J	ug/L	25.0	08/11/17 10:02	
EPA 6010	Barium	455	ug/L	5.0	08/11/17 10:02	
EPA 6010	Chromium	151	ug/L	10.0	08/11/17 10:02	
EPA 6010	Lead	39.0	ug/L	13.0	08/11/17 10:02	
40154484005	SB-51-S (GW)					
EPA 6010	Barium	49.0	ug/L	5.0	08/11/17 09:52	
40154484006	SB-17-S (GW)					
EPA 6010	Arsenic	40.9	ug/L	25.0	08/11/17 10:05	
EPA 6010	Barium	501	ug/L	5.0	08/11/17 10:05	
EPA 6010	Chromium	37.6	ug/L	10.0	08/11/17 10:05	
EPA 6010	Lead	25.5	ug/L	13.0	08/11/17 10:05	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154484

Sample: SB-17 4-5 (SOIL) **Lab ID: 40154484001** Collected: 08/02/17 14:55 Received: 08/04/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<26.7	ug/kg	53.4	26.7	1	08/08/17 13:03	08/10/17 12:34	12674-11-2	
PCB-1221 (Aroclor 1221)	<26.7	ug/kg	53.4	26.7	1	08/08/17 13:03	08/10/17 12:34	11104-28-2	
PCB-1232 (Aroclor 1232)	<26.7	ug/kg	53.4	26.7	1	08/08/17 13:03	08/10/17 12:34	11141-16-5	
PCB-1242 (Aroclor 1242)	<26.7	ug/kg	53.4	26.7	1	08/08/17 13:03	08/10/17 12:34	53469-21-9	
PCB-1248 (Aroclor 1248)	<26.7	ug/kg	53.4	26.7	1	08/08/17 13:03	08/10/17 12:34	12672-29-6	
PCB-1254 (Aroclor 1254)	<26.7	ug/kg	53.4	26.7	1	08/08/17 13:03	08/10/17 12:34	11097-69-1	
PCB-1260 (Aroclor 1260)	<26.7	ug/kg	53.4	26.7	1	08/08/17 13:03	08/10/17 12:34	11096-82-5	
PCB, Total	<26.7	ug/kg	53.4	26.7	1	08/08/17 13:03	08/10/17 12:34	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	70	%	50-102		1	08/08/17 13:03	08/10/17 12:34	877-09-8	
Decachlorobiphenyl (S)	76	%	53-105		1	08/08/17 13:03	08/10/17 12:34	2051-24-3	
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	2.5J	mg/kg	5.3	1.1	1	08/10/17 15:25	08/14/17 15:16	7440-38-2	
Barium	9.6	mg/kg	0.53	0.16	1	08/10/17 15:25	08/14/17 15:16	7440-39-3	
Cadmium	<0.14	mg/kg	0.53	0.14	1	08/10/17 15:25	08/14/17 15:16	7440-43-9	
Chromium	3.9	mg/kg	1.1	0.30	1	08/10/17 15:25	08/14/17 15:16	7440-47-3	
Lead	10.3	mg/kg	1.4	0.46	1	08/10/17 15:25	08/14/17 15:16	7439-92-1	
Selenium	<1.2	mg/kg	5.3	1.2	1	08/10/17 15:25	08/14/17 15:16	7782-49-2	
Silver	<0.37	mg/kg	1.1	0.37	1	08/10/17 15:25	08/14/17 15:16	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	<0.011	mg/kg	0.038	0.011	1	08/14/17 07:42	08/15/17 13:22	7439-97-6	
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<20.2	ug/kg	67.2	20.2	1	08/14/17 11:07	08/15/17 16:23	120-82-1	
1,2-Dichlorobenzene	<56.1	ug/kg	187	56.1	1	08/14/17 11:07	08/15/17 16:23	95-50-1	
1,3-Dichlorobenzene	<24.7	ug/kg	82.3	24.7	1	08/14/17 11:07	08/15/17 16:23	541-73-1	
1,4-Dichlorobenzene	<24.8	ug/kg	82.8	24.8	1	08/14/17 11:07	08/15/17 16:23	106-46-7	
2,2'-Oxybis(1-chloropropane)	<46.0	ug/kg	153	46.0	1	08/14/17 11:07	08/15/17 16:23	108-60-1	
2,4,5-Trichlorophenol	<31.5	ug/kg	105	31.5	1	08/14/17 11:07	08/15/17 16:23	95-95-4	
2,4,6-Trichlorophenol	<27.2	ug/kg	90.6	27.2	1	08/14/17 11:07	08/15/17 16:23	88-06-2	
2,4-Dichlorophenol	<47.6	ug/kg	159	47.6	1	08/14/17 11:07	08/15/17 16:23	120-83-2	
2,4-Dimethylphenol	<35.3	ug/kg	118	35.3	1	08/14/17 11:07	08/15/17 16:23	105-67-9	
2,4-Dinitrophenol	<54.3	ug/kg	181	54.3	1	08/14/17 11:07	08/15/17 16:23	51-28-5	L1
2,4-Dinitrotoluene	<25.5	ug/kg	85.0	25.5	1	08/14/17 11:07	08/15/17 16:23	121-14-2	
2,6-Dinitrotoluene	<33.8	ug/kg	113	33.8	1	08/14/17 11:07	08/15/17 16:23	606-20-2	
2-Chloronaphthalene	<22.9	ug/kg	76.3	22.9	1	08/14/17 11:07	08/15/17 16:23	91-58-7	
2-Chlorophenol	<44.5	ug/kg	148	44.5	1	08/14/17 11:07	08/15/17 16:23	95-57-8	
2-Methylnaphthalene	<46.3	ug/kg	154	46.3	1	08/14/17 11:07	08/15/17 16:23	91-57-6	
2-Methylphenol(o-Cresol)	<32.4	ug/kg	108	32.4	1	08/14/17 11:07	08/15/17 16:23	95-48-7	
2-Nitroaniline	<50.8	ug/kg	169	50.8	1	08/14/17 11:07	08/15/17 16:23	88-74-4	
2-Nitrophenol	<56.3	ug/kg	188	56.3	1	08/14/17 11:07	08/15/17 16:23	88-75-5	
3&4-Methylphenol(m&p Cresol)	<32.7	ug/kg	109	32.7	1	08/14/17 11:07	08/15/17 16:23		
3,3'-Dichlorobenzidine	<48.4	ug/kg	161	48.4	1	08/14/17 11:07	08/15/17 16:23	91-94-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154484

Sample: SB-17 4-5 (SOIL) **Lab ID: 40154484001** Collected: 08/02/17 14:55 Received: 08/04/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<30.3	ug/kg	101	30.3	1	08/14/17 11:07	08/15/17 16:23	99-09-2	
4,6-Dinitro-2-methylphenol	<54.9	ug/kg	183	54.9	1	08/14/17 11:07	08/15/17 16:23	534-52-1	
4-Bromophenylphenyl ether	<37.3	ug/kg	124	37.3	1	08/14/17 11:07	08/15/17 16:23	101-55-3	
4-Chloro-3-methylphenol	<55.5	ug/kg	185	55.5	1	08/14/17 11:07	08/15/17 16:23	59-50-7	
4-Chloroaniline	<29.3	ug/kg	97.6	29.3	1	08/14/17 11:07	08/15/17 16:23	106-47-8	
4-Chlorophenylphenyl ether	<33.2	ug/kg	111	33.2	1	08/14/17 11:07	08/15/17 16:23	7005-72-3	
4-Nitroaniline	<74.0	ug/kg	247	74.0	1	08/14/17 11:07	08/15/17 16:23	100-01-6	
4-Nitrophenol	<44.9	ug/kg	150	44.9	1	08/14/17 11:07	08/15/17 16:23	100-02-7	
Acenaphthene	<63.2	ug/kg	211	63.2	1	08/14/17 11:07	08/15/17 16:23	83-32-9	
Acenaphthylene	<63.6	ug/kg	212	63.6	1	08/14/17 11:07	08/15/17 16:23	208-96-8	
Anthracene	<28.5	ug/kg	95.0	28.5	1	08/14/17 11:07	08/15/17 16:23	120-12-7	
Benzo(a)anthracene	<27.6	ug/kg	92.0	27.6	1	08/14/17 11:07	08/15/17 16:23	56-55-3	
Benzo(a)pyrene	<26.8	ug/kg	89.4	26.8	1	08/14/17 11:07	08/15/17 16:23	50-32-8	
Benzo(b)fluoranthene	<30.6	ug/kg	102	30.6	1	08/14/17 11:07	08/15/17 16:23	205-99-2	
Benzo(g,h,i)perylene	<46.6	ug/kg	155	46.6	1	08/14/17 11:07	08/15/17 16:23	191-24-2	
Benzo(k)fluoranthene	<42.7	ug/kg	142	42.7	1	08/14/17 11:07	08/15/17 16:23	207-08-9	
Butylbenzylphthalate	<28.6	ug/kg	95.3	28.6	1	08/14/17 11:07	08/15/17 16:23	85-68-7	
Carbazole	<27.9	ug/kg	93.0	27.9	1	08/14/17 11:07	08/15/17 16:23	86-74-8	
Chrysene	<26.7	ug/kg	88.8	26.7	1	08/14/17 11:07	08/15/17 16:23	218-01-9	
Di-n-butylphthalate	<26.6	ug/kg	88.8	26.6	1	08/14/17 11:07	08/15/17 16:23	84-74-2	L1
Di-n-octylphthalate	<40.1	ug/kg	134	40.1	1	08/14/17 11:07	08/15/17 16:23	117-84-0	
Dibenz(a,h)anthracene	<48.4	ug/kg	161	48.4	1	08/14/17 11:07	08/15/17 16:23	53-70-3	
Dibenzofuran	<21.6	ug/kg	71.9	21.6	1	08/14/17 11:07	08/15/17 16:23	132-64-9	
Diethylphthalate	<29.6	ug/kg	98.5	29.6	1	08/14/17 11:07	08/15/17 16:23	84-66-2	
Dimethylphthalate	<23.2	ug/kg	77.3	23.2	1	08/14/17 11:07	08/15/17 16:23	131-11-3	
Fluoranthene	<25.2	ug/kg	84.1	25.2	1	08/14/17 11:07	08/15/17 16:23	206-44-0	
Fluorene	<20.8	ug/kg	69.5	20.8	1	08/14/17 11:07	08/15/17 16:23	86-73-7	
Hexachloro-1,3-butadiene	<45.4	ug/kg	151	45.4	1	08/14/17 11:07	08/15/17 16:23	87-68-3	
Hexachlorobenzene	<30.0	ug/kg	99.9	30.0	1	08/14/17 11:07	08/15/17 16:23	118-74-1	
Hexachlorocyclopentadiene	<42.2	ug/kg	141	42.2	1	08/14/17 11:07	08/15/17 16:23	77-47-4	
Hexachloroethane	<28.5	ug/kg	95.1	28.5	1	08/14/17 11:07	08/15/17 16:23	67-72-1	
Indeno(1,2,3-cd)pyrene	<38.6	ug/kg	129	38.6	1	08/14/17 11:07	08/15/17 16:23	193-39-5	
Isophorone	<27.4	ug/kg	91.3	27.4	1	08/14/17 11:07	08/15/17 16:23	78-59-1	
N-Nitroso-di-n-propylamine	<28.3	ug/kg	94.2	28.3	1	08/14/17 11:07	08/15/17 16:23	621-64-7	
N-Nitrosodiphenylamine	<242	ug/kg	806	242	1	08/14/17 11:07	08/15/17 16:23	86-30-6	
Naphthalene	<62.3	ug/kg	208	62.3	1	08/14/17 11:07	08/15/17 16:23	91-20-3	
Nitrobenzene	<36.2	ug/kg	121	36.2	1	08/14/17 11:07	08/15/17 16:23	98-95-3	
Pentachlorophenol	<39.3	ug/kg	131	39.3	1	08/14/17 11:07	08/15/17 16:23	87-86-5	
Phenanthrene	<22.9	ug/kg	76.2	22.9	1	08/14/17 11:07	08/15/17 16:23	85-01-8	
Phenol	<42.3	ug/kg	141	42.3	1	08/14/17 11:07	08/15/17 16:23	108-95-2	
Pyrene	<39.5	ug/kg	132	39.5	1	08/14/17 11:07	08/15/17 16:23	129-00-0	
bis(2-Chloroethoxy)methane	<48.0	ug/kg	160	48.0	1	08/14/17 11:07	08/15/17 16:23	111-91-1	
bis(2-Chloroethyl) ether	<55.7	ug/kg	186	55.7	1	08/14/17 11:07	08/15/17 16:23	111-44-4	
bis(2-Ethylhexyl)phthalate	<29.6	ug/kg	98.8	29.6	1	08/14/17 11:07	08/15/17 16:23	117-81-7	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154484

Sample: SB-17 4-5 (SOIL) **Lab ID: 40154484001** Collected: 08/02/17 14:55 Received: 08/04/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Surrogates									
Nitrobenzene-d5 (S)	53	%	13-114		1	08/14/17 11:07	08/15/17 16:23	4165-60-0	
2-Fluorobiphenyl (S)	57	%	18-127		1	08/14/17 11:07	08/15/17 16:23	321-60-8	
Terphenyl-d14 (S)	80	%	41-109		1	08/14/17 11:07	08/15/17 16:23	1718-51-0	
Phenol-d6 (S)	57	%	30-97		1	08/14/17 11:07	08/15/17 16:23	13127-88-3	
2-Fluorophenol (S)	55	%	16-103		1	08/14/17 11:07	08/15/17 16:23	367-12-4	
2,4,6-Tribromophenol (S)	75	%	13-143		1	08/14/17 11:07	08/15/17 16:23	118-79-6	
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/07/17 08:15	08/08/17 09:18	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/07/17 08:15	08/08/17 09:18	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/07/17 08:15	08/08/17 09:18	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/07/17 08:15	08/08/17 09:18	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	108-20-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT
Pace Project No.: 40154484

Sample: SB-17 4-5 (SOIL) **Lab ID: 40154484001** Collected: 08/02/17 14:55 Received: 08/04/17 10:10 Matrix: Solid
Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/07/17 08:15	08/08/17 09:18	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/07/17 08:15	08/08/17 09:18	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/07/17 08:15	08/08/17 09:18	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:18	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	128	%	68-130		1	08/07/17 08:15	08/08/17 09:18	1868-53-7	
Toluene-d8 (S)	131	%	68-149		1	08/07/17 08:15	08/08/17 09:18	2037-26-5	
4-Bromofluorobenzene (S)	111	%	58-141		1	08/07/17 08:15	08/08/17 09:18	460-00-4	

Percent Moisture Analytical Method: ASTM D2974-87

Percent Moisture	6.4	%	0.10	0.10	1		08/08/17 15:06		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154484

Sample: SB-16 2-2.5 (SOIL) **Lab ID: 40154484002** Collected: 08/02/17 13:40 Received: 08/04/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB									
Analytical Method: EPA 8082 Preparation Method: EPA 3541									
PCB-1016 (Aroclor 1016)	<300	ug/kg	601	300	10	08/08/17 13:03	08/10/17 10:25	12674-11-2	D3
PCB-1221 (Aroclor 1221)	<300	ug/kg	601	300	10	08/08/17 13:03	08/10/17 10:25	11104-28-2	
PCB-1232 (Aroclor 1232)	<300	ug/kg	601	300	10	08/08/17 13:03	08/10/17 10:25	11141-16-5	
PCB-1242 (Aroclor 1242)	<300	ug/kg	601	300	10	08/08/17 13:03	08/10/17 10:25	53469-21-9	
PCB-1248 (Aroclor 1248)	<300	ug/kg	601	300	10	08/08/17 13:03	08/10/17 10:25	12672-29-6	
PCB-1254 (Aroclor 1254)	<300	ug/kg	601	300	10	08/08/17 13:03	08/10/17 10:25	11097-69-1	
PCB-1260 (Aroclor 1260)	<300	ug/kg	601	300	10	08/08/17 13:03	08/10/17 10:25	11096-82-5	
PCB, Total	<300	ug/kg	601	300	10	08/08/17 13:03	08/10/17 10:25	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	72	%	50-102		10	08/08/17 13:03	08/10/17 10:25	877-09-8	
Decachlorobiphenyl (S)	71	%	53-105		10	08/08/17 13:03	08/10/17 10:25	2051-24-3	
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	6.1	mg/kg	5.6	1.2	1	08/10/17 15:25	08/14/17 15:23	7440-38-2	
Barium	16.5	mg/kg	0.56	0.17	1	08/10/17 15:25	08/14/17 15:23	7440-39-3	
Cadmium	0.36J	mg/kg	0.56	0.15	1	08/10/17 15:25	08/14/17 15:23	7440-43-9	
Chromium	5.9	mg/kg	1.1	0.31	1	08/10/17 15:25	08/14/17 15:23	7440-47-3	
Lead	15.8	mg/kg	1.5	0.49	1	08/10/17 15:25	08/14/17 15:23	7439-92-1	
Selenium	<1.2	mg/kg	5.6	1.2	1	08/10/17 15:25	08/14/17 15:23	7782-49-2	
Silver	<0.39	mg/kg	1.1	0.39	1	08/10/17 15:25	08/14/17 15:23	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.019J	mg/kg	0.041	0.012	1	08/14/17 07:42	08/15/17 13:24	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
1,2,4-Trichlorobenzene	<56.7	ug/kg	189	56.7	2.5	08/14/17 11:07	08/15/17 19:13	120-82-1	
1,2-Dichlorobenzene	<158	ug/kg	525	158	2.5	08/14/17 11:07	08/15/17 19:13	95-50-1	
1,3-Dichlorobenzene	<69.4	ug/kg	231	69.4	2.5	08/14/17 11:07	08/15/17 19:13	541-73-1	
1,4-Dichlorobenzene	<69.8	ug/kg	233	69.8	2.5	08/14/17 11:07	08/15/17 19:13	106-46-7	
2,2'-Oxybis(1-chloropropane)	<129	ug/kg	431	129	2.5	08/14/17 11:07	08/15/17 19:13	108-60-1	
2,4,5-Trichlorophenol	<88.5	ug/kg	295	88.5	2.5	08/14/17 11:07	08/15/17 19:13	95-95-4	
2,4,6-Trichlorophenol	<76.4	ug/kg	255	76.4	2.5	08/14/17 11:07	08/15/17 19:13	88-06-2	
2,4-Dichlorophenol	<134	ug/kg	446	134	2.5	08/14/17 11:07	08/15/17 19:13	120-83-2	
2,4-Dimethylphenol	<99.1	ug/kg	330	99.1	2.5	08/14/17 11:07	08/15/17 19:13	105-67-9	
2,4-Dinitrophenol	<153	ug/kg	509	153	2.5	08/14/17 11:07	08/15/17 19:13	51-28-5	L1
2,4-Dinitrotoluene	<71.7	ug/kg	239	71.7	2.5	08/14/17 11:07	08/15/17 19:13	121-14-2	
2,6-Dinitrotoluene	<95.1	ug/kg	317	95.1	2.5	08/14/17 11:07	08/15/17 19:13	606-20-2	
2-Chloronaphthalene	<64.3	ug/kg	214	64.3	2.5	08/14/17 11:07	08/15/17 19:13	91-58-7	
2-Chlorophenol	<125	ug/kg	417	125	2.5	08/14/17 11:07	08/15/17 19:13	95-57-8	
2-Methylnaphthalene	<130	ug/kg	434	130	2.5	08/14/17 11:07	08/15/17 19:13	91-57-6	
2-Methylphenol(o-Cresol)	<91.1	ug/kg	304	91.1	2.5	08/14/17 11:07	08/15/17 19:13	95-48-7	
2-Nitroaniline	<143	ug/kg	476	143	2.5	08/14/17 11:07	08/15/17 19:13	88-74-4	
2-Nitrophenol	<158	ug/kg	527	158	2.5	08/14/17 11:07	08/15/17 19:13	88-75-5	
3&4-Methylphenol(m&p Cresol)	<91.8	ug/kg	306	91.8	2.5	08/14/17 11:07	08/15/17 19:13		
3,3'-Dichlorobenzidine	<136	ug/kg	453	136	2.5	08/14/17 11:07	08/15/17 19:13	91-94-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154484

Sample: SB-16 2-2.5 (SOIL) **Lab ID: 40154484002** Collected: 08/02/17 13:40 Received: 08/04/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
3-Nitroaniline	<85.2	ug/kg	284	85.2	2.5	08/14/17 11:07	08/15/17 19:13	99-09-2	
4,6-Dinitro-2-methylphenol	<154	ug/kg	515	154	2.5	08/14/17 11:07	08/15/17 19:13	534-52-1	
4-Bromophenylphenyl ether	<105	ug/kg	350	105	2.5	08/14/17 11:07	08/15/17 19:13	101-55-3	
4-Chloro-3-methylphenol	<156	ug/kg	520	156	2.5	08/14/17 11:07	08/15/17 19:13	59-50-7	
4-Chloroaniline	<82.4	ug/kg	275	82.4	2.5	08/14/17 11:07	08/15/17 19:13	106-47-8	
4-Chlorophenylphenyl ether	<93.3	ug/kg	311	93.3	2.5	08/14/17 11:07	08/15/17 19:13	7005-72-3	
4-Nitroaniline	<208	ug/kg	693	208	2.5	08/14/17 11:07	08/15/17 19:13	100-01-6	
4-Nitrophenol	<126	ug/kg	421	126	2.5	08/14/17 11:07	08/15/17 19:13	100-02-7	
Acenaphthene	<178	ug/kg	592	178	2.5	08/14/17 11:07	08/15/17 19:13	83-32-9	
Acenaphthylene	<179	ug/kg	596	179	2.5	08/14/17 11:07	08/15/17 19:13	208-96-8	
Anthracene	<80.1	ug/kg	267	80.1	2.5	08/14/17 11:07	08/15/17 19:13	120-12-7	
Benzo(a)anthracene	102J	ug/kg	259	77.6	2.5	08/14/17 11:07	08/15/17 19:13	56-55-3	
Benzo(a)pyrene	128J	ug/kg	251	75.4	2.5	08/14/17 11:07	08/15/17 19:13	50-32-8	
Benzo(b)fluoranthene	132J	ug/kg	287	86.1	2.5	08/14/17 11:07	08/15/17 19:13	205-99-2	
Benzo(g,h,i)perylene	146J	ug/kg	437	131	2.5	08/14/17 11:07	08/15/17 19:13	191-24-2	
Benzo(k)fluoranthene	<120	ug/kg	400	120	2.5	08/14/17 11:07	08/15/17 19:13	207-08-9	
Butylbenzylphthalate	<80.4	ug/kg	268	80.4	2.5	08/14/17 11:07	08/15/17 19:13	85-68-7	
Carbazole	<78.5	ug/kg	262	78.5	2.5	08/14/17 11:07	08/15/17 19:13	86-74-8	
Chrysene	179J	ug/kg	250	74.9	2.5	08/14/17 11:07	08/15/17 19:13	218-01-9	
Di-n-butylphthalate	<74.9	ug/kg	250	74.9	2.5	08/14/17 11:07	08/15/17 19:13	84-74-2	L1
Di-n-octylphthalate	<113	ug/kg	376	113	2.5	08/14/17 11:07	08/15/17 19:13	117-84-0	
Dibenz(a,h)anthracene	<136	ug/kg	454	136	2.5	08/14/17 11:07	08/15/17 19:13	53-70-3	
Dibenzofuran	<60.7	ug/kg	202	60.7	2.5	08/14/17 11:07	08/15/17 19:13	132-64-9	
Diethylphthalate	<83.1	ug/kg	277	83.1	2.5	08/14/17 11:07	08/15/17 19:13	84-66-2	
Dimethylphthalate	<65.2	ug/kg	217	65.2	2.5	08/14/17 11:07	08/15/17 19:13	131-11-3	
Fluoranthene	182J	ug/kg	236	70.9	2.5	08/14/17 11:07	08/15/17 19:13	206-44-0	
Fluorene	<58.6	ug/kg	195	58.6	2.5	08/14/17 11:07	08/15/17 19:13	86-73-7	
Hexachloro-1,3-butadiene	<128	ug/kg	426	128	2.5	08/14/17 11:07	08/15/17 19:13	87-68-3	
Hexachlorobenzene	<84.3	ug/kg	281	84.3	2.5	08/14/17 11:07	08/15/17 19:13	118-74-1	
Hexachlorocyclopentadiene	<119	ug/kg	395	119	2.5	08/14/17 11:07	08/15/17 19:13	77-47-4	
Hexachloroethane	<80.2	ug/kg	267	80.2	2.5	08/14/17 11:07	08/15/17 19:13	67-72-1	
Indeno(1,2,3-cd)pyrene	124J	ug/kg	361	108	2.5	08/14/17 11:07	08/15/17 19:13	193-39-5	
Isophorone	<77.0	ug/kg	257	77.0	2.5	08/14/17 11:07	08/15/17 19:13	78-59-1	
N-Nitroso-di-n-propylamine	<79.5	ug/kg	265	79.5	2.5	08/14/17 11:07	08/15/17 19:13	621-64-7	
N-Nitrosodiphenylamine	<680	ug/kg	2270	680	2.5	08/14/17 11:07	08/15/17 19:13	86-30-6	
Naphthalene	<175	ug/kg	584	175	2.5	08/14/17 11:07	08/15/17 19:13	91-20-3	
Nitrobenzene	<102	ug/kg	339	102	2.5	08/14/17 11:07	08/15/17 19:13	98-95-3	
Pentachlorophenol	<110	ug/kg	368	110	2.5	08/14/17 11:07	08/15/17 19:13	87-86-5	
Phenanthrene	222	ug/kg	214	64.3	2.5	08/14/17 11:07	08/15/17 19:13	85-01-8	
Phenol	<119	ug/kg	396	119	2.5	08/14/17 11:07	08/15/17 19:13	108-95-2	D3
Pyrene	203J	ug/kg	370	111	2.5	08/14/17 11:07	08/15/17 19:13	129-00-0	
bis(2-Chloroethoxy)methane	<135	ug/kg	450	135	2.5	08/14/17 11:07	08/15/17 19:13	111-91-1	
bis(2-Chloroethyl) ether	<156	ug/kg	522	156	2.5	08/14/17 11:07	08/15/17 19:13	111-44-4	
bis(2-Ethylhexyl)phthalate	<83.3	ug/kg	278	83.3	2.5	08/14/17 11:07	08/15/17 19:13	117-81-7	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154484

Sample: SB-16 2-2.5 (SOIL) **Lab ID: 40154484002** Collected: 08/02/17 13:40 Received: 08/04/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546

Surrogates

Nitrobenzene-d5 (S)	56	%	13-114		2.5	08/14/17 11:07	08/15/17 19:13	4165-60-0	
2-Fluorobiphenyl (S)	57	%	18-127		2.5	08/14/17 11:07	08/15/17 19:13	321-60-8	
Terphenyl-d14 (S)	63	%	41-109		2.5	08/14/17 11:07	08/15/17 19:13	1718-51-0	
Phenol-d6 (S)	54	%	30-97		2.5	08/14/17 11:07	08/15/17 19:13	13127-88-3	
2-Fluorophenol (S)	53	%	16-103		2.5	08/14/17 11:07	08/15/17 19:13	367-12-4	
2,4,6-Tribromophenol (S)	69	%	13-143		2.5	08/14/17 11:07	08/15/17 19:13	118-79-6	

8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Benzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/07/17 08:15	08/08/17 09:41	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/07/17 08:15	08/08/17 09:41	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/07/17 08:15	08/08/17 09:41	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/07/17 08:15	08/08/17 09:41	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	108-20-3	W

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154484

Sample: SB-16 2-2.5 (SOIL) **Lab ID: 40154484002** Collected: 08/02/17 13:40 Received: 08/04/17 10:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	99-87-6	W
Methylene Chloride	32.0J	ug/kg	72.1	30.0	1	08/07/17 08:15	08/08/17 09:41	75-09-2	
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	1634-04-4	W
Naphthalene	151J	ug/kg	300	48.1	1	08/07/17 08:15	08/08/17 09:41	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/07/17 08:15	08/08/17 09:41	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/07/17 08:15	08/08/17 09:41	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/07/17 08:15	08/08/17 09:41	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	139	%	68-130		1	08/07/17 08:15	08/08/17 09:41	1868-53-7	S3
Toluene-d8 (S)	135	%	68-149		1	08/07/17 08:15	08/08/17 09:41	2037-26-5	
4-Bromofluorobenzene (S)	120	%	58-141		1	08/07/17 08:15	08/08/17 09:41	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	16.8	%	0.10	0.10	1		08/08/17 15:06		
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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154484

Sample: SB-49-S (GW) **Lab ID: 40154484003** Collected: 08/02/17 14:30 Received: 08/04/17 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	24.6J	ug/L	25.0	8.3	1	08/10/17 10:20	08/11/17 10:00	7440-38-2	
Barium	434	ug/L	5.0	1.5	1	08/10/17 10:20	08/11/17 10:00	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/10/17 10:20	08/11/17 10:00	7440-43-9	
Chromium	180	ug/L	10.0	2.5	1	08/10/17 10:20	08/11/17 10:00	7440-47-3	
Lead	51.7	ug/L	13.0	4.3	1	08/10/17 10:20	08/11/17 10:00	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/10/17 10:20	08/11/17 10:00	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/10/17 10:20	08/11/17 10:00	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.13	ug/L	0.42	0.13	1	08/14/17 10:55	08/15/17 09:58	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,2,4-Trichlorobenzene	<1.9	ug/L	6.5	1.9	1	08/09/17 08:14	08/14/17 22:10	120-82-1	
1,2-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/09/17 08:14	08/14/17 22:10	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/14/17 22:10	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/14/17 22:10	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	4.8	1.5	1	08/09/17 08:14	08/14/17 22:10	108-60-1	
2,4,5-Trichlorophenol	<0.80	ug/L	2.7	0.80	1	08/09/17 08:14	08/14/17 22:10	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.7	2.0	1	08/09/17 08:14	08/14/17 22:10	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.3	1.3	1	08/09/17 08:14	08/14/17 22:10	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.0	1.2	1	08/09/17 08:14	08/14/17 22:10	105-67-9	
2,4-Dinitrophenol	<0.68	ug/L	2.3	0.68	1	08/09/17 08:14	08/14/17 22:10	51-28-5	
2,4-Dinitrotoluene	<0.75	ug/L	2.5	0.75	1	08/09/17 08:14	08/14/17 22:10	121-14-2	
2,6-Dinitrotoluene	<0.57	ug/L	1.9	0.57	1	08/09/17 08:14	08/14/17 22:10	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.2	1.6	1	08/09/17 08:14	08/14/17 22:10	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.7	1.1	1	08/09/17 08:14	08/14/17 22:10	95-57-8	
2-Methylnaphthalene	<1.4	ug/L	4.8	1.4	1	08/09/17 08:14	08/14/17 22:10	91-57-6	
2-Methylphenol(o-Cresol)	<0.83	ug/L	2.8	0.83	1	08/09/17 08:14	08/14/17 22:10	95-48-7	
2-Nitroaniline	<0.74	ug/L	2.5	0.74	1	08/09/17 08:14	08/14/17 22:10	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/09/17 08:14	08/14/17 22:10	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.0	1.5	1	08/09/17 08:14	08/14/17 22:10		
3,3'-Dichlorobenzidine	<0.86	ug/L	2.9	0.86	1	08/09/17 08:14	08/14/17 22:10	91-94-1	
3-Nitroaniline	<0.92	ug/L	3.1	0.92	1	08/09/17 08:14	08/14/17 22:10	99-09-2	
4,6-Dinitro-2-methylphenol	<0.62	ug/L	2.1	0.62	1	08/09/17 08:14	08/14/17 22:10	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.3	1.9	1	08/09/17 08:14	08/14/17 22:10	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.4	1.6	1	08/09/17 08:14	08/14/17 22:10	59-50-7	
4-Chloroaniline	<1.0	ug/L	3.5	1.0	1	08/09/17 08:14	08/14/17 22:10	106-47-8	
4-Chlorophenylphenyl ether	<0.78	ug/L	2.6	0.78	1	08/09/17 08:14	08/14/17 22:10	7005-72-3	
4-Nitroaniline	<1.7	ug/L	5.8	1.7	1	08/09/17 08:14	08/14/17 22:10	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.3	1.0	1	08/09/17 08:14	08/14/17 22:10	100-02-7	
Acenaphthene	<1.3	ug/L	4.3	1.3	1	08/09/17 08:14	08/14/17 22:10	83-32-9	
Acenaphthylene	<1.0	ug/L	3.4	1.0	1	08/09/17 08:14	08/14/17 22:10	208-96-8	
Anthracene	<1.7	ug/L	5.7	1.7	1	08/09/17 08:14	08/14/17 22:10	120-12-7	
Benzo(a)anthracene	<0.51	ug/L	1.7	0.51	1	08/09/17 08:14	08/14/17 22:10	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/14/17 22:10	50-32-8	
Benzo(b)fluoranthene	<0.62	ug/L	2.1	0.62	1	08/09/17 08:14	08/14/17 22:10	205-99-2	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154484

Sample: SB-49-S (GW) **Lab ID: 40154484003** Collected: 08/02/17 14:30 Received: 08/04/17 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.77	ug/L	2.6	0.77	1	08/09/17 08:14	08/14/17 22:10	191-24-2	
Benzo(k)fluoranthene	<0.95	ug/L	3.2	0.95	1	08/09/17 08:14	08/14/17 22:10	207-08-9	
Butylbenzylphthalate	<0.74	ug/L	2.5	0.74	1	08/09/17 08:14	08/14/17 22:10	85-68-7	
Carbazole	<0.71	ug/L	2.4	0.71	1	08/09/17 08:14	08/14/17 22:10	86-74-8	
Chrysene	<1.7	ug/L	5.5	1.7	1	08/09/17 08:14	08/14/17 22:10	218-01-9	
Di-n-butylphthalate	<2.4	ug/L	8.1	2.4	1	08/09/17 08:14	08/14/17 22:10	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/14/17 22:10	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.2	1.3	1	08/09/17 08:14	08/14/17 22:10	53-70-3	
Dibenzofuran	<0.73	ug/L	2.4	0.73	1	08/09/17 08:14	08/14/17 22:10	132-64-9	
Diethylphthalate	<1.0	ug/L	3.4	1.0	1	08/09/17 08:14	08/14/17 22:10	84-66-2	
Dimethylphthalate	<1.8	ug/L	6.1	1.8	1	08/09/17 08:14	08/14/17 22:10	131-11-3	
Fluoranthene	<0.54	ug/L	1.8	0.54	1	08/09/17 08:14	08/14/17 22:10	206-44-0	
Fluorene	<0.71	ug/L	2.4	0.71	1	08/09/17 08:14	08/14/17 22:10	86-73-7	
Hexachloro-1,3-butadiene	<2.3	ug/L	7.8	2.3	1	08/09/17 08:14	08/14/17 22:10	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.4	1.6	1	08/09/17 08:14	08/14/17 22:10	118-74-1	
Hexachlorocyclopentadiene	<0.65	ug/L	2.2	0.65	1	08/09/17 08:14	08/14/17 22:10	77-47-4	
Hexachloroethane	<2.5	ug/L	8.4	2.5	1	08/09/17 08:14	08/14/17 22:10	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.8	1.4	1	08/09/17 08:14	08/14/17 22:10	193-39-5	
Isophorone	<0.70	ug/L	2.3	0.70	1	08/09/17 08:14	08/14/17 22:10	78-59-1	
N-Nitroso-di-n-propylamine	<0.92	ug/L	3.1	0.92	1	08/09/17 08:14	08/14/17 22:10	621-64-7	
N-Nitrosodiphenylamine	<3.4	ug/L	11.2	3.4	1	08/09/17 08:14	08/14/17 22:10	86-30-6	
Naphthalene	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/14/17 22:10	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/09/17 08:14	08/14/17 22:10	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.6	1.4	1	08/09/17 08:14	08/14/17 22:10	87-86-5	
Phenanthrene	<1.7	ug/L	5.8	1.7	1	08/09/17 08:14	08/14/17 22:10	85-01-8	
Phenol	<0.57	ug/L	1.9	0.57	1	08/09/17 08:14	08/14/17 22:10	108-95-2	
Pyrene	<1.3	ug/L	4.3	1.3	1	08/09/17 08:14	08/14/17 22:10	129-00-0	
bis(2-Chloroethoxy)methane	<0.95	ug/L	3.2	0.95	1	08/09/17 08:14	08/14/17 22:10	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.0	1.5	1	08/09/17 08:14	08/14/17 22:10	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.66	ug/L	2.2	0.66	1	08/09/17 08:14	08/14/17 22:10	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	89	%	53-100		1	08/09/17 08:14	08/14/17 22:10	4165-60-0	
2-Fluorobiphenyl (S)	79	%	59-109		1	08/09/17 08:14	08/14/17 22:10	321-60-8	
Terphenyl-d14 (S)	77	%	59-108		1	08/09/17 08:14	08/14/17 22:10	1718-51-0	
Phenol-d6 (S)	30	%	18-120		1	08/09/17 08:14	08/14/17 22:10	13127-88-3	
2-Fluorophenol (S)	46	%	27-67		1	08/09/17 08:14	08/14/17 22:10	367-12-4	
2,4,6-Tribromophenol (S)	104	%	65-140		1	08/09/17 08:14	08/14/17 22:10	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/08/17 11:21	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/08/17 11:21	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/08/17 11:21	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	104-51-8	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154484

Sample: SB-49-S (GW) **Lab ID: 40154484003** Collected: 08/02/17 14:30 Received: 08/04/17 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 11:21	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/08/17 11:21	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/08/17 11:21	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/08/17 11:21	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/08/17 11:21	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/08/17 11:21	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/08/17 11:21	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/08/17 11:21	74-95-3	
1,2-Dichlorobenzene	0.58J	ug/L	1.0	0.50	1		08/08/17 11:21	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/08/17 11:21	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/08/17 11:21	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/08/17 11:21	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/08/17 11:21	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 11:21	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 11:21	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/08/17 11:21	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/08/17 11:21	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/08/17 11:21	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/08/17 11:21	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/08/17 11:21	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/08/17 11:21	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/08/17 11:21	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/08/17 11:21	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/08/17 11:21	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/08/17 11:21	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/08/17 11:21	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/08/17 11:21	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 11:21	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/08/17 11:21	79-00-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154484

Sample: SB-49-S (GW) **Lab ID: 40154484003** Collected: 08/02/17 14:30 Received: 08/04/17 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/08/17 11:21	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/08/17 11:21	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/08/17 11:21	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/08/17 11:21	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	61-130		1		08/08/17 11:21	460-00-4	
Dibromofluoromethane (S)	101	%	67-130		1		08/08/17 11:21	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		08/08/17 11:21	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154484

Sample: SB-50-S (GW) **Lab ID: 40154484004** Collected: 08/02/17 15:00 Received: 08/04/17 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	19.8J	ug/L	25.0	8.3	1	08/10/17 10:20	08/11/17 10:02	7440-38-2	
Barium	455	ug/L	5.0	1.5	1	08/10/17 10:20	08/11/17 10:02	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/10/17 10:20	08/11/17 10:02	7440-43-9	
Chromium	151	ug/L	10.0	2.5	1	08/10/17 10:20	08/11/17 10:02	7440-47-3	
Lead	39.0	ug/L	13.0	4.3	1	08/10/17 10:20	08/11/17 10:02	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/10/17 10:20	08/11/17 10:02	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/10/17 10:20	08/11/17 10:02	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.13	ug/L	0.42	0.13	1	08/14/17 10:55	08/15/17 10:01	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,2,4-Trichlorobenzene	<1.9	ug/L	6.5	1.9	1	08/09/17 08:14	08/14/17 22:32	120-82-1	
1,2-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/09/17 08:14	08/14/17 22:32	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/14/17 22:32	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/14/17 22:32	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	4.8	1.5	1	08/09/17 08:14	08/14/17 22:32	108-60-1	
2,4,5-Trichlorophenol	<0.80	ug/L	2.7	0.80	1	08/09/17 08:14	08/14/17 22:32	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.7	2.0	1	08/09/17 08:14	08/14/17 22:32	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.3	1.3	1	08/09/17 08:14	08/14/17 22:32	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.0	1.2	1	08/09/17 08:14	08/14/17 22:32	105-67-9	
2,4-Dinitrophenol	<0.68	ug/L	2.3	0.68	1	08/09/17 08:14	08/14/17 22:32	51-28-5	
2,4-Dinitrotoluene	<0.75	ug/L	2.5	0.75	1	08/09/17 08:14	08/14/17 22:32	121-14-2	
2,6-Dinitrotoluene	<0.57	ug/L	1.9	0.57	1	08/09/17 08:14	08/14/17 22:32	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.2	1.6	1	08/09/17 08:14	08/14/17 22:32	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.7	1.1	1	08/09/17 08:14	08/14/17 22:32	95-57-8	
2-Methylnaphthalene	<1.4	ug/L	4.8	1.4	1	08/09/17 08:14	08/14/17 22:32	91-57-6	
2-Methylphenol(o-Cresol)	<0.83	ug/L	2.8	0.83	1	08/09/17 08:14	08/14/17 22:32	95-48-7	
2-Nitroaniline	<0.74	ug/L	2.5	0.74	1	08/09/17 08:14	08/14/17 22:32	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/09/17 08:14	08/14/17 22:32	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.0	1.5	1	08/09/17 08:14	08/14/17 22:32		
3,3'-Dichlorobenzidine	<0.86	ug/L	2.9	0.86	1	08/09/17 08:14	08/14/17 22:32	91-94-1	
3-Nitroaniline	<0.92	ug/L	3.1	0.92	1	08/09/17 08:14	08/14/17 22:32	99-09-2	
4,6-Dinitro-2-methylphenol	<0.62	ug/L	2.1	0.62	1	08/09/17 08:14	08/14/17 22:32	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.3	1.9	1	08/09/17 08:14	08/14/17 22:32	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.4	1.6	1	08/09/17 08:14	08/14/17 22:32	59-50-7	
4-Chloroaniline	<1.0	ug/L	3.5	1.0	1	08/09/17 08:14	08/14/17 22:32	106-47-8	
4-Chlorophenylphenyl ether	<0.78	ug/L	2.6	0.78	1	08/09/17 08:14	08/14/17 22:32	7005-72-3	
4-Nitroaniline	<1.7	ug/L	5.8	1.7	1	08/09/17 08:14	08/14/17 22:32	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.3	1.0	1	08/09/17 08:14	08/14/17 22:32	100-02-7	
Acenaphthene	<1.3	ug/L	4.3	1.3	1	08/09/17 08:14	08/14/17 22:32	83-32-9	
Acenaphthylene	<1.0	ug/L	3.4	1.0	1	08/09/17 08:14	08/14/17 22:32	208-96-8	
Anthracene	<1.7	ug/L	5.7	1.7	1	08/09/17 08:14	08/14/17 22:32	120-12-7	
Benzo(a)anthracene	<0.51	ug/L	1.7	0.51	1	08/09/17 08:14	08/14/17 22:32	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/14/17 22:32	50-32-8	
Benzo(b)fluoranthene	<0.62	ug/L	2.1	0.62	1	08/09/17 08:14	08/14/17 22:32	205-99-2	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154484

Sample: SB-50-S (GW) **Lab ID: 40154484004** Collected: 08/02/17 15:00 Received: 08/04/17 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.77	ug/L	2.6	0.77	1	08/09/17 08:14	08/14/17 22:32	191-24-2	
Benzo(k)fluoranthene	<0.95	ug/L	3.2	0.95	1	08/09/17 08:14	08/14/17 22:32	207-08-9	
Butylbenzylphthalate	<0.74	ug/L	2.5	0.74	1	08/09/17 08:14	08/14/17 22:32	85-68-7	
Carbazole	<0.71	ug/L	2.4	0.71	1	08/09/17 08:14	08/14/17 22:32	86-74-8	
Chrysene	<1.7	ug/L	5.5	1.7	1	08/09/17 08:14	08/14/17 22:32	218-01-9	
Di-n-butylphthalate	<2.4	ug/L	8.1	2.4	1	08/09/17 08:14	08/14/17 22:32	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/14/17 22:32	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.2	1.3	1	08/09/17 08:14	08/14/17 22:32	53-70-3	
Dibenzofuran	<0.73	ug/L	2.4	0.73	1	08/09/17 08:14	08/14/17 22:32	132-64-9	
Diethylphthalate	<1.0	ug/L	3.4	1.0	1	08/09/17 08:14	08/14/17 22:32	84-66-2	
Dimethylphthalate	<1.8	ug/L	6.1	1.8	1	08/09/17 08:14	08/14/17 22:32	131-11-3	
Fluoranthene	<0.54	ug/L	1.8	0.54	1	08/09/17 08:14	08/14/17 22:32	206-44-0	
Fluorene	<0.71	ug/L	2.4	0.71	1	08/09/17 08:14	08/14/17 22:32	86-73-7	
Hexachloro-1,3-butadiene	<2.3	ug/L	7.8	2.3	1	08/09/17 08:14	08/14/17 22:32	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.4	1.6	1	08/09/17 08:14	08/14/17 22:32	118-74-1	
Hexachlorocyclopentadiene	<0.65	ug/L	2.2	0.65	1	08/09/17 08:14	08/14/17 22:32	77-47-4	
Hexachloroethane	<2.5	ug/L	8.4	2.5	1	08/09/17 08:14	08/14/17 22:32	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.8	1.4	1	08/09/17 08:14	08/14/17 22:32	193-39-5	
Isophorone	<0.70	ug/L	2.3	0.70	1	08/09/17 08:14	08/14/17 22:32	78-59-1	
N-Nitroso-di-n-propylamine	<0.92	ug/L	3.1	0.92	1	08/09/17 08:14	08/14/17 22:32	621-64-7	
N-Nitrosodiphenylamine	<3.4	ug/L	11.2	3.4	1	08/09/17 08:14	08/14/17 22:32	86-30-6	
Naphthalene	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/14/17 22:32	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/09/17 08:14	08/14/17 22:32	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.6	1.4	1	08/09/17 08:14	08/14/17 22:32	87-86-5	
Phenanthrene	<1.7	ug/L	5.8	1.7	1	08/09/17 08:14	08/14/17 22:32	85-01-8	
Phenol	<0.57	ug/L	1.9	0.57	1	08/09/17 08:14	08/14/17 22:32	108-95-2	
Pyrene	<1.3	ug/L	4.3	1.3	1	08/09/17 08:14	08/14/17 22:32	129-00-0	
bis(2-Chloroethoxy)methane	<0.95	ug/L	3.2	0.95	1	08/09/17 08:14	08/14/17 22:32	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.0	1.5	1	08/09/17 08:14	08/14/17 22:32	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.66	ug/L	2.2	0.66	1	08/09/17 08:14	08/14/17 22:32	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	88	%	53-100		1	08/09/17 08:14	08/14/17 22:32	4165-60-0	
2-Fluorobiphenyl (S)	79	%	59-109		1	08/09/17 08:14	08/14/17 22:32	321-60-8	
Terphenyl-d14 (S)	78	%	59-108		1	08/09/17 08:14	08/14/17 22:32	1718-51-0	
Phenol-d6 (S)	29	%	18-120		1	08/09/17 08:14	08/14/17 22:32	13127-88-3	
2-Fluorophenol (S)	48	%	27-67		1	08/09/17 08:14	08/14/17 22:32	367-12-4	
2,4,6-Tribromophenol (S)	108	%	65-140		1	08/09/17 08:14	08/14/17 22:32	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/08/17 11:44	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/08/17 11:44	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/08/17 11:44	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	104-51-8	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154484

Sample: SB-50-S (GW) **Lab ID: 40154484004** Collected: 08/02/17 15:00 Received: 08/04/17 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 11:44	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/08/17 11:44	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/08/17 11:44	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/08/17 11:44	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/08/17 11:44	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/08/17 11:44	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/08/17 11:44	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/08/17 11:44	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/08/17 11:44	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/08/17 11:44	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/08/17 11:44	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/08/17 11:44	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 11:44	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 11:44	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/08/17 11:44	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/08/17 11:44	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/08/17 11:44	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/08/17 11:44	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/08/17 11:44	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/08/17 11:44	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/08/17 11:44	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/08/17 11:44	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/08/17 11:44	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/08/17 11:44	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/08/17 11:44	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/08/17 11:44	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 11:44	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/08/17 11:44	79-00-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154484

Sample: SB-50-S (GW) **Lab ID: 40154484004** Collected: 08/02/17 15:00 Received: 08/04/17 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/08/17 11:44	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/08/17 11:44	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/08/17 11:44	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/08/17 11:44	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/08/17 11:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	61-130		1		08/08/17 11:44	460-00-4	
Dibromofluoromethane (S)	101	%	67-130		1		08/08/17 11:44	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		08/08/17 11:44	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154484

Sample: SB-51-S (GW) **Lab ID: 40154484005** Collected: 08/02/17 15:30 Received: 08/04/17 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	<8.3	ug/L	25.0	8.3	1	08/10/17 10:20	08/11/17 09:52	7440-38-2	
Barium	49.0	ug/L	5.0	1.5	1	08/10/17 10:20	08/11/17 09:52	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/10/17 10:20	08/11/17 09:52	7440-43-9	
Chromium	<2.5	ug/L	10.0	2.5	1	08/10/17 10:20	08/11/17 09:52	7440-47-3	
Lead	<4.3	ug/L	13.0	4.3	1	08/10/17 10:20	08/11/17 09:52	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/10/17 10:20	08/11/17 09:52	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/10/17 10:20	08/11/17 09:52	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.13	ug/L	0.42	0.13	1	08/14/17 10:55	08/15/17 10:03	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,2,4-Trichlorobenzene	<1.9	ug/L	6.5	1.9	1	08/09/17 08:14	08/14/17 22:53	120-82-1	
1,2-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/09/17 08:14	08/14/17 22:53	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/14/17 22:53	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/14/17 22:53	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	4.8	1.5	1	08/09/17 08:14	08/14/17 22:53	108-60-1	
2,4,5-Trichlorophenol	<0.80	ug/L	2.7	0.80	1	08/09/17 08:14	08/14/17 22:53	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.7	2.0	1	08/09/17 08:14	08/14/17 22:53	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.3	1.3	1	08/09/17 08:14	08/14/17 22:53	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.0	1.2	1	08/09/17 08:14	08/14/17 22:53	105-67-9	
2,4-Dinitrophenol	<0.68	ug/L	2.3	0.68	1	08/09/17 08:14	08/14/17 22:53	51-28-5	
2,4-Dinitrotoluene	<0.75	ug/L	2.5	0.75	1	08/09/17 08:14	08/14/17 22:53	121-14-2	
2,6-Dinitrotoluene	<0.57	ug/L	1.9	0.57	1	08/09/17 08:14	08/14/17 22:53	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.2	1.6	1	08/09/17 08:14	08/14/17 22:53	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.7	1.1	1	08/09/17 08:14	08/14/17 22:53	95-57-8	
2-Methylnaphthalene	<1.4	ug/L	4.8	1.4	1	08/09/17 08:14	08/14/17 22:53	91-57-6	
2-Methylphenol(o-Cresol)	<0.83	ug/L	2.8	0.83	1	08/09/17 08:14	08/14/17 22:53	95-48-7	
2-Nitroaniline	<0.74	ug/L	2.5	0.74	1	08/09/17 08:14	08/14/17 22:53	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/09/17 08:14	08/14/17 22:53	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.0	1.5	1	08/09/17 08:14	08/14/17 22:53		
3,3'-Dichlorobenzidine	<0.86	ug/L	2.9	0.86	1	08/09/17 08:14	08/14/17 22:53	91-94-1	
3-Nitroaniline	<0.92	ug/L	3.1	0.92	1	08/09/17 08:14	08/14/17 22:53	99-09-2	
4,6-Dinitro-2-methylphenol	<0.62	ug/L	2.1	0.62	1	08/09/17 08:14	08/14/17 22:53	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.3	1.9	1	08/09/17 08:14	08/14/17 22:53	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.4	1.6	1	08/09/17 08:14	08/14/17 22:53	59-50-7	
4-Chloroaniline	<1.0	ug/L	3.5	1.0	1	08/09/17 08:14	08/14/17 22:53	106-47-8	
4-Chlorophenylphenyl ether	<0.78	ug/L	2.6	0.78	1	08/09/17 08:14	08/14/17 22:53	7005-72-3	
4-Nitroaniline	<1.7	ug/L	5.8	1.7	1	08/09/17 08:14	08/14/17 22:53	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.3	1.0	1	08/09/17 08:14	08/14/17 22:53	100-02-7	
Acenaphthene	<1.3	ug/L	4.3	1.3	1	08/09/17 08:14	08/14/17 22:53	83-32-9	
Acenaphthylene	<1.0	ug/L	3.4	1.0	1	08/09/17 08:14	08/14/17 22:53	208-96-8	
Anthracene	<1.7	ug/L	5.7	1.7	1	08/09/17 08:14	08/14/17 22:53	120-12-7	
Benzo(a)anthracene	<0.51	ug/L	1.7	0.51	1	08/09/17 08:14	08/14/17 22:53	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/14/17 22:53	50-32-8	
Benzo(b)fluoranthene	<0.62	ug/L	2.1	0.62	1	08/09/17 08:14	08/14/17 22:53	205-99-2	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT
Pace Project No.: 40154484

Sample: SB-51-S (GW) **Lab ID: 40154484005** Collected: 08/02/17 15:30 Received: 08/04/17 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.77	ug/L	2.6	0.77	1	08/09/17 08:14	08/14/17 22:53	191-24-2	
Benzo(k)fluoranthene	<0.95	ug/L	3.2	0.95	1	08/09/17 08:14	08/14/17 22:53	207-08-9	
Butylbenzylphthalate	<0.74	ug/L	2.5	0.74	1	08/09/17 08:14	08/14/17 22:53	85-68-7	
Carbazole	<0.71	ug/L	2.4	0.71	1	08/09/17 08:14	08/14/17 22:53	86-74-8	
Chrysene	<1.7	ug/L	5.5	1.7	1	08/09/17 08:14	08/14/17 22:53	218-01-9	
Di-n-butylphthalate	<2.4	ug/L	8.1	2.4	1	08/09/17 08:14	08/14/17 22:53	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/14/17 22:53	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.2	1.3	1	08/09/17 08:14	08/14/17 22:53	53-70-3	
Dibenzofuran	<0.73	ug/L	2.4	0.73	1	08/09/17 08:14	08/14/17 22:53	132-64-9	
Diethylphthalate	<1.0	ug/L	3.4	1.0	1	08/09/17 08:14	08/14/17 22:53	84-66-2	
Dimethylphthalate	<1.8	ug/L	6.1	1.8	1	08/09/17 08:14	08/14/17 22:53	131-11-3	
Fluoranthene	<0.54	ug/L	1.8	0.54	1	08/09/17 08:14	08/14/17 22:53	206-44-0	
Fluorene	<0.71	ug/L	2.4	0.71	1	08/09/17 08:14	08/14/17 22:53	86-73-7	
Hexachloro-1,3-butadiene	<2.3	ug/L	7.8	2.3	1	08/09/17 08:14	08/14/17 22:53	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.4	1.6	1	08/09/17 08:14	08/14/17 22:53	118-74-1	
Hexachlorocyclopentadiene	<0.65	ug/L	2.2	0.65	1	08/09/17 08:14	08/14/17 22:53	77-47-4	
Hexachloroethane	<2.5	ug/L	8.4	2.5	1	08/09/17 08:14	08/14/17 22:53	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.8	1.4	1	08/09/17 08:14	08/14/17 22:53	193-39-5	
Isophorone	<0.70	ug/L	2.3	0.70	1	08/09/17 08:14	08/14/17 22:53	78-59-1	
N-Nitroso-di-n-propylamine	<0.92	ug/L	3.1	0.92	1	08/09/17 08:14	08/14/17 22:53	621-64-7	
N-Nitrosodiphenylamine	<3.4	ug/L	11.2	3.4	1	08/09/17 08:14	08/14/17 22:53	86-30-6	
Naphthalene	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/14/17 22:53	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/09/17 08:14	08/14/17 22:53	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.6	1.4	1	08/09/17 08:14	08/14/17 22:53	87-86-5	
Phenanthrene	<1.7	ug/L	5.8	1.7	1	08/09/17 08:14	08/14/17 22:53	85-01-8	
Phenol	<0.57	ug/L	1.9	0.57	1	08/09/17 08:14	08/14/17 22:53	108-95-2	
Pyrene	<1.3	ug/L	4.3	1.3	1	08/09/17 08:14	08/14/17 22:53	129-00-0	
bis(2-Chloroethoxy)methane	<0.95	ug/L	3.2	0.95	1	08/09/17 08:14	08/14/17 22:53	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.0	1.5	1	08/09/17 08:14	08/14/17 22:53	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.66	ug/L	2.2	0.66	1	08/09/17 08:14	08/14/17 22:53	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	86	%	53-100		1	08/09/17 08:14	08/14/17 22:53	4165-60-0	
2-Fluorobiphenyl (S)	79	%	59-109		1	08/09/17 08:14	08/14/17 22:53	321-60-8	
Terphenyl-d14 (S)	102	%	59-108		1	08/09/17 08:14	08/14/17 22:53	1718-51-0	
Phenol-d6 (S)	28	%	18-120		1	08/09/17 08:14	08/14/17 22:53	13127-88-3	
2-Fluorophenol (S)	50	%	27-67		1	08/09/17 08:14	08/14/17 22:53	367-12-4	
2,4,6-Tribromophenol (S)	116	%	65-140		1	08/09/17 08:14	08/14/17 22:53	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/08/17 12:53	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/08/17 12:53	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/08/17 12:53	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	104-51-8	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154484

Sample: SB-51-S (GW) **Lab ID: 40154484005** Collected: 08/02/17 15:30 Received: 08/04/17 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 12:53	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/08/17 12:53	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/08/17 12:53	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/08/17 12:53	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/08/17 12:53	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/08/17 12:53	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/08/17 12:53	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/08/17 12:53	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/08/17 12:53	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/08/17 12:53	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/08/17 12:53	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/08/17 12:53	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 12:53	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 12:53	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/08/17 12:53	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/08/17 12:53	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/08/17 12:53	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/08/17 12:53	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/08/17 12:53	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/08/17 12:53	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/08/17 12:53	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/08/17 12:53	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/08/17 12:53	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/08/17 12:53	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/08/17 12:53	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/08/17 12:53	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 12:53	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/08/17 12:53	79-00-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154484

Sample: SB-51-S (GW) **Lab ID: 40154484005** Collected: 08/02/17 15:30 Received: 08/04/17 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/08/17 12:53	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/08/17 12:53	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/08/17 12:53	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/08/17 12:53	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/08/17 12:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	61-130		1		08/08/17 12:53	460-00-4	
Dibromofluoromethane (S)	100	%	67-130		1		08/08/17 12:53	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		08/08/17 12:53	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT
Pace Project No.: 40154484

Sample: SB-17-S (GW) **Lab ID: 40154484006** Collected: 08/02/17 16:10 Received: 08/04/17 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Arsenic	40.9	ug/L	25.0	8.3	1	08/10/17 10:20	08/11/17 10:05	7440-38-2	
Barium	501	ug/L	5.0	1.5	1	08/10/17 10:20	08/11/17 10:05	7440-39-3	
Cadmium	<1.3	ug/L	5.0	1.3	1	08/10/17 10:20	08/11/17 10:05	7440-43-9	
Chromium	37.6	ug/L	10.0	2.5	1	08/10/17 10:20	08/11/17 10:05	7440-47-3	
Lead	25.5	ug/L	13.0	4.3	1	08/10/17 10:20	08/11/17 10:05	7439-92-1	
Selenium	<16.6	ug/L	50.0	16.6	1	08/10/17 10:20	08/11/17 10:05	7782-49-2	
Silver	<3.3	ug/L	10.0	3.3	1	08/10/17 10:20	08/11/17 10:05	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	<0.13	ug/L	0.42	0.13	1	08/14/17 10:55	08/15/17 10:05	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
1,2,4-Trichlorobenzene	<1.9	ug/L	6.5	1.9	1	08/09/17 08:14	08/14/17 23:14	120-82-1	
1,2-Dichlorobenzene	<1.8	ug/L	6.1	1.8	1	08/09/17 08:14	08/14/17 23:14	95-50-1	
1,3-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/14/17 23:14	541-73-1	
1,4-Dichlorobenzene	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/14/17 23:14	106-46-7	
2,2'-Oxybis(1-chloropropane)	<1.5	ug/L	4.8	1.5	1	08/09/17 08:14	08/14/17 23:14	108-60-1	
2,4,5-Trichlorophenol	<0.80	ug/L	2.7	0.80	1	08/09/17 08:14	08/14/17 23:14	95-95-4	
2,4,6-Trichlorophenol	<2.0	ug/L	6.7	2.0	1	08/09/17 08:14	08/14/17 23:14	88-06-2	
2,4-Dichlorophenol	<1.3	ug/L	4.3	1.3	1	08/09/17 08:14	08/14/17 23:14	120-83-2	
2,4-Dimethylphenol	<1.2	ug/L	4.0	1.2	1	08/09/17 08:14	08/14/17 23:14	105-67-9	
2,4-Dinitrophenol	<0.68	ug/L	2.3	0.68	1	08/09/17 08:14	08/14/17 23:14	51-28-5	
2,4-Dinitrotoluene	<0.75	ug/L	2.5	0.75	1	08/09/17 08:14	08/14/17 23:14	121-14-2	
2,6-Dinitrotoluene	<0.57	ug/L	1.9	0.57	1	08/09/17 08:14	08/14/17 23:14	606-20-2	
2-Chloronaphthalene	<1.6	ug/L	5.2	1.6	1	08/09/17 08:14	08/14/17 23:14	91-58-7	
2-Chlorophenol	<1.1	ug/L	3.7	1.1	1	08/09/17 08:14	08/14/17 23:14	95-57-8	
2-Methylnaphthalene	<1.4	ug/L	4.8	1.4	1	08/09/17 08:14	08/14/17 23:14	91-57-6	
2-Methylphenol(o-Cresol)	<0.83	ug/L	2.8	0.83	1	08/09/17 08:14	08/14/17 23:14	95-48-7	
2-Nitroaniline	<0.74	ug/L	2.5	0.74	1	08/09/17 08:14	08/14/17 23:14	88-74-4	
2-Nitrophenol	<1.1	ug/L	3.7	1.1	1	08/09/17 08:14	08/14/17 23:14	88-75-5	
3&4-Methylphenol(m&p Cresol)	<1.5	ug/L	5.0	1.5	1	08/09/17 08:14	08/14/17 23:14		
3,3'-Dichlorobenzidine	<0.86	ug/L	2.9	0.86	1	08/09/17 08:14	08/14/17 23:14	91-94-1	
3-Nitroaniline	<0.92	ug/L	3.1	0.92	1	08/09/17 08:14	08/14/17 23:14	99-09-2	
4,6-Dinitro-2-methylphenol	<0.62	ug/L	2.1	0.62	1	08/09/17 08:14	08/14/17 23:14	534-52-1	
4-Bromophenylphenyl ether	<1.9	ug/L	6.3	1.9	1	08/09/17 08:14	08/14/17 23:14	101-55-3	
4-Chloro-3-methylphenol	<1.6	ug/L	5.4	1.6	1	08/09/17 08:14	08/14/17 23:14	59-50-7	
4-Chloroaniline	<1.0	ug/L	3.5	1.0	1	08/09/17 08:14	08/14/17 23:14	106-47-8	
4-Chlorophenylphenyl ether	<0.78	ug/L	2.6	0.78	1	08/09/17 08:14	08/14/17 23:14	7005-72-3	
4-Nitroaniline	<1.7	ug/L	5.8	1.7	1	08/09/17 08:14	08/14/17 23:14	100-01-6	
4-Nitrophenol	<1.0	ug/L	3.3	1.0	1	08/09/17 08:14	08/14/17 23:14	100-02-7	
Acenaphthene	<1.3	ug/L	4.3	1.3	1	08/09/17 08:14	08/14/17 23:14	83-32-9	
Acenaphthylene	<1.0	ug/L	3.4	1.0	1	08/09/17 08:14	08/14/17 23:14	208-96-8	
Anthracene	<1.7	ug/L	5.7	1.7	1	08/09/17 08:14	08/14/17 23:14	120-12-7	
Benzo(a)anthracene	<0.51	ug/L	1.7	0.51	1	08/09/17 08:14	08/14/17 23:14	56-55-3	
Benzo(a)pyrene	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/14/17 23:14	50-32-8	
Benzo(b)fluoranthene	<0.62	ug/L	2.1	0.62	1	08/09/17 08:14	08/14/17 23:14	205-99-2	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT
Pace Project No.: 40154484

Sample: SB-17-S (GW) **Lab ID: 40154484006** Collected: 08/02/17 16:10 Received: 08/04/17 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Benzo(g,h,i)perylene	<0.77	ug/L	2.6	0.77	1	08/09/17 08:14	08/14/17 23:14	191-24-2	
Benzo(k)fluoranthene	<0.95	ug/L	3.2	0.95	1	08/09/17 08:14	08/14/17 23:14	207-08-9	
Butylbenzylphthalate	<0.74	ug/L	2.5	0.74	1	08/09/17 08:14	08/14/17 23:14	85-68-7	
Carbazole	<0.71	ug/L	2.4	0.71	1	08/09/17 08:14	08/14/17 23:14	86-74-8	
Chrysene	<1.7	ug/L	5.5	1.7	1	08/09/17 08:14	08/14/17 23:14	218-01-9	
Di-n-butylphthalate	<2.4	ug/L	8.1	2.4	1	08/09/17 08:14	08/14/17 23:14	84-74-2	
Di-n-octylphthalate	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/14/17 23:14	117-84-0	
Dibenz(a,h)anthracene	<1.3	ug/L	4.2	1.3	1	08/09/17 08:14	08/14/17 23:14	53-70-3	
Dibenzofuran	<0.73	ug/L	2.4	0.73	1	08/09/17 08:14	08/14/17 23:14	132-64-9	
Diethylphthalate	<1.0	ug/L	3.4	1.0	1	08/09/17 08:14	08/14/17 23:14	84-66-2	
Dimethylphthalate	<1.8	ug/L	6.1	1.8	1	08/09/17 08:14	08/14/17 23:14	131-11-3	
Fluoranthene	<0.54	ug/L	1.8	0.54	1	08/09/17 08:14	08/14/17 23:14	206-44-0	
Fluorene	<0.71	ug/L	2.4	0.71	1	08/09/17 08:14	08/14/17 23:14	86-73-7	
Hexachloro-1,3-butadiene	<2.3	ug/L	7.8	2.3	1	08/09/17 08:14	08/14/17 23:14	87-68-3	
Hexachlorobenzene	<1.6	ug/L	5.4	1.6	1	08/09/17 08:14	08/14/17 23:14	118-74-1	
Hexachlorocyclopentadiene	<0.65	ug/L	2.2	0.65	1	08/09/17 08:14	08/14/17 23:14	77-47-4	
Hexachloroethane	<2.5	ug/L	8.4	2.5	1	08/09/17 08:14	08/14/17 23:14	67-72-1	
Indeno(1,2,3-cd)pyrene	<1.4	ug/L	4.8	1.4	1	08/09/17 08:14	08/14/17 23:14	193-39-5	
Isophorone	<0.70	ug/L	2.3	0.70	1	08/09/17 08:14	08/14/17 23:14	78-59-1	
N-Nitroso-di-n-propylamine	<0.92	ug/L	3.1	0.92	1	08/09/17 08:14	08/14/17 23:14	621-64-7	
N-Nitrosodiphenylamine	<3.4	ug/L	11.2	3.4	1	08/09/17 08:14	08/14/17 23:14	86-30-6	
Naphthalene	<1.8	ug/L	6.0	1.8	1	08/09/17 08:14	08/14/17 23:14	91-20-3	
Nitrobenzene	<1.4	ug/L	4.6	1.4	1	08/09/17 08:14	08/14/17 23:14	98-95-3	
Pentachlorophenol	<1.4	ug/L	4.6	1.4	1	08/09/17 08:14	08/14/17 23:14	87-86-5	
Phenanthrene	<1.7	ug/L	5.8	1.7	1	08/09/17 08:14	08/14/17 23:14	85-01-8	
Phenol	<0.57	ug/L	1.9	0.57	1	08/09/17 08:14	08/14/17 23:14	108-95-2	
Pyrene	<1.3	ug/L	4.3	1.3	1	08/09/17 08:14	08/14/17 23:14	129-00-0	
bis(2-Chloroethoxy)methane	<0.95	ug/L	3.2	0.95	1	08/09/17 08:14	08/14/17 23:14	111-91-1	
bis(2-Chloroethyl) ether	<1.5	ug/L	5.0	1.5	1	08/09/17 08:14	08/14/17 23:14	111-44-4	
bis(2-Ethylhexyl)phthalate	<0.66	ug/L	2.2	0.66	1	08/09/17 08:14	08/14/17 23:14	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	80	%	53-100		1	08/09/17 08:14	08/14/17 23:14	4165-60-0	
2-Fluorobiphenyl (S)	75	%	59-109		1	08/09/17 08:14	08/14/17 23:14	321-60-8	
Terphenyl-d14 (S)	80	%	59-108		1	08/09/17 08:14	08/14/17 23:14	1718-51-0	
Phenol-d6 (S)	31	%	18-120		1	08/09/17 08:14	08/14/17 23:14	13127-88-3	
2-Fluorophenol (S)	47	%	27-67		1	08/09/17 08:14	08/14/17 23:14	367-12-4	
2,4,6-Tribromophenol (S)	104	%	65-140		1	08/09/17 08:14	08/14/17 23:14	118-79-6	
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/09/17 08:55	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/09/17 08:55	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/09/17 08:55	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	104-51-8	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154484

Sample: **SB-17-S (GW)** Lab ID: **40154484006** Collected: 08/02/17 16:10 Received: 08/04/17 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/09/17 08:55	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/09/17 08:55	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/09/17 08:55	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/09/17 08:55	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/09/17 08:55	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/09/17 08:55	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/09/17 08:55	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/09/17 08:55	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/09/17 08:55	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/09/17 08:55	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/09/17 08:55	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/09/17 08:55	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/09/17 08:55	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/09/17 08:55	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/09/17 08:55	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/09/17 08:55	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/09/17 08:55	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/09/17 08:55	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/09/17 08:55	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/09/17 08:55	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/09/17 08:55	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/09/17 08:55	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/09/17 08:55	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/09/17 08:55	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/09/17 08:55	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/09/17 08:55	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/09/17 08:55	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/09/17 08:55	79-00-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154484

Sample: SB-17-S (GW) **Lab ID: 40154484006** Collected: 08/02/17 16:10 Received: 08/04/17 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/09/17 08:55	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/09/17 08:55	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/09/17 08:55	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/09/17 08:55	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/09/17 08:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	61-130		1		08/09/17 08:55	460-00-4	
Dibromofluoromethane (S)	101	%	67-130		1		08/09/17 08:55	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		08/09/17 08:55	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154484

Sample: TRIP BLANK **Lab ID: 40154484007** Collected: 08/02/17 00:00 Received: 08/04/17 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/08/17 15:56	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/08/17 15:56	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/08/17 15:56	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 15:56	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/08/17 15:56	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/08/17 15:56	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/08/17 15:56	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/08/17 15:56	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/08/17 15:56	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/08/17 15:56	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/08/17 15:56	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/08/17 15:56	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/08/17 15:56	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/08/17 15:56	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/08/17 15:56	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 15:56	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/08/17 15:56	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/08/17 15:56	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/08/17 15:56	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/08/17 15:56	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/08/17 15:56	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/08/17 15:56	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/08/17 15:56	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/08/17 15:56	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/08/17 15:56	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/08/17 15:56	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/08/17 15:56	630-20-6	

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ANALYTICAL RESULTS

Project: 0403363 KRAFT

Pace Project No.: 40154484

Sample: TRIP BLANK **Lab ID: 40154484007** Collected: 08/02/17 00:00 Received: 08/04/17 10:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/08/17 15:56	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/08/17 15:56	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/08/17 15:56	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/08/17 15:56	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/08/17 15:56	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/08/17 15:56	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/08/17 15:56	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/08/17 15:56	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/08/17 15:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	61-130		1		08/08/17 15:56	460-00-4	
Dibromofluoromethane (S)	102	%	67-130		1		08/08/17 15:56	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		08/08/17 15:56	2037-26-5	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154484

QC Batch: 264468 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 40154484003, 40154484004, 40154484005, 40154484006

METHOD BLANK: 1556442 Matrix: Water
Associated Lab Samples: 40154484003, 40154484004, 40154484005, 40154484006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.13	0.42	08/15/17 09:07	

LABORATORY CONTROL SAMPLE: 1556443

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1556444 1556445

Parameter	Units	40154446001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.13	5	5	5.4	5.8	108	116	85-115	7	20	M0

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154484

QC Batch: 264417 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 40154484001, 40154484002

METHOD BLANK: 1556308 Matrix: Solid
Associated Lab Samples: 40154484001, 40154484002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.011	0.037	08/15/17 12:20	

LABORATORY CONTROL SAMPLE: 1556309

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.83	0.73	87	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1556310 1556311

Parameter	Units	40154392007		1556310		1556311		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					MS % Rec
Mercury	mg/kg	<0.012		.9	.9	0.72	0.68	80	75	85-115	5	20 M0

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154484

QC Batch: 264216 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 40154484001, 40154484002

METHOD BLANK: 1554789 Matrix: Solid
Associated Lab Samples: 40154484001, 40154484002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<1.0	5.0	08/14/17 15:11	
Barium	mg/kg	<0.15	0.50	08/14/17 15:11	
Cadmium	mg/kg	<0.13	0.50	08/14/17 15:11	
Chromium	mg/kg	<0.28	1.0	08/14/17 15:11	
Lead	mg/kg	<0.43	1.3	08/14/17 15:11	
Selenium	mg/kg	<1.1	5.0	08/14/17 15:11	
Silver	mg/kg	<0.34	1.0	08/14/17 15:11	

LABORATORY CONTROL SAMPLE: 1554790

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	47.6	95	80-120	
Barium	mg/kg	50	50.4	101	80-120	
Cadmium	mg/kg	50	49.5	99	80-120	
Chromium	mg/kg	50	50.4	101	80-120	
Lead	mg/kg	50	49.4	99	80-120	
Selenium	mg/kg	50	49.7	99	80-120	
Silver	mg/kg	25	24.7	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1554791 1554792

Parameter	Units	40154484001		1554792		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Arsenic	mg/kg	2.5J	53.1	53.3	59.7	52.9	108	95	75-125	12	20
Barium	mg/kg	9.6	53.1	53.3	64.1	64.5	103	103	75-125	1	20
Cadmium	mg/kg	<0.14	53.1	53.3	53.5	53.2	101	100	75-125	1	20
Chromium	mg/kg	3.9	53.1	53.3	55.4	55.5	97	97	75-125	0	20
Lead	mg/kg	10.3	53.1	53.3	59.0	52.2	92	79	75-125	12	20
Selenium	mg/kg	<1.2	53.1	53.3	52.4	52.6	99	99	75-125	0	20
Silver	mg/kg	<0.37	26.6	26.7	26.6	26.7	100	99	75-125	0	20

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154484

QC Batch: 264158 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 40154484003, 40154484004, 40154484005, 40154484006

METHOD BLANK: 1554397 Matrix: Water
Associated Lab Samples: 40154484003, 40154484004, 40154484005, 40154484006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	<8.3	25.0	08/11/17 09:47	
Barium	ug/L	<1.5	5.0	08/11/17 09:47	
Cadmium	ug/L	<1.3	5.0	08/11/17 09:47	
Chromium	ug/L	<2.5	10.0	08/11/17 09:47	
Lead	ug/L	<4.3	13.0	08/11/17 09:47	
Selenium	ug/L	<16.6	50.0	08/11/17 09:47	
Silver	ug/L	<3.3	10.0	08/11/17 09:47	

LABORATORY CONTROL SAMPLE: 1554398

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	490	98	80-120	
Barium	ug/L	500	512	102	80-120	
Cadmium	ug/L	500	507	101	80-120	
Chromium	ug/L	500	500	100	80-120	
Lead	ug/L	500	508	102	80-120	
Selenium	ug/L	500	518	104	80-120	
Silver	ug/L	250	258	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1554399 1554400

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40154484005 Result	Spike Conc.	Spike Conc.	MS Result						
Arsenic	ug/L	<8.3	500	500	511	524	101	104	75-125	3	20
Barium	ug/L	49.0	500	500	562	572	103	105	75-125	2	20
Cadmium	ug/L	<1.3	500	500	520	532	104	106	75-125	2	20
Chromium	ug/L	<2.5	500	500	485	498	97	99	75-125	3	20
Lead	ug/L	<4.3	500	500	489	506	97	101	75-125	3	20
Selenium	ug/L	<16.6	500	500	538	544	108	109	75-125	1	20
Silver	ug/L	<3.3	250	250	267	272	107	109	75-125	2	20

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154484

QC Batch: 263759 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40154484001, 40154484002

METHOD BLANK: 1552406 Matrix: Solid
Associated Lab Samples: 40154484001, 40154484002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	08/07/17 18:39	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	08/07/17 18:39	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	08/07/17 18:39	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	08/07/17 18:39	
1,1-Dichloroethane	ug/kg	<17.6	50.0	08/07/17 18:39	
1,1-Dichloroethene	ug/kg	<17.6	50.0	08/07/17 18:39	
1,1-Dichloropropene	ug/kg	<14.0	50.0	08/07/17 18:39	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	08/07/17 18:39	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	08/07/17 18:39	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	08/07/17 18:39	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	08/07/17 18:39	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	08/07/17 18:39	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	08/07/17 18:39	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	08/07/17 18:39	
1,2-Dichloroethane	ug/kg	<15.0	50.0	08/07/17 18:39	
1,2-Dichloropropane	ug/kg	<16.8	50.0	08/07/17 18:39	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	08/07/17 18:39	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	08/07/17 18:39	
1,3-Dichloropropane	ug/kg	<12.0	50.0	08/07/17 18:39	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	08/07/17 18:39	
2,2-Dichloropropane	ug/kg	<12.6	50.0	08/07/17 18:39	
2-Chlorotoluene	ug/kg	<15.8	50.0	08/07/17 18:39	
4-Chlorotoluene	ug/kg	<13.0	50.0	08/07/17 18:39	
Benzene	ug/kg	<9.2	20.0	08/07/17 18:39	
Bromobenzene	ug/kg	<20.6	50.0	08/07/17 18:39	
Bromochloromethane	ug/kg	<21.4	50.0	08/07/17 18:39	
Bromodichloromethane	ug/kg	<9.8	50.0	08/07/17 18:39	
Bromoform	ug/kg	<19.8	50.0	08/07/17 18:39	
Bromomethane	ug/kg	<69.9	250	08/07/17 18:39	
Carbon tetrachloride	ug/kg	<12.1	50.0	08/07/17 18:39	
Chlorobenzene	ug/kg	<14.8	50.0	08/07/17 18:39	
Chloroethane	ug/kg	<67.0	250	08/07/17 18:39	
Chloroform	ug/kg	<46.4	250	08/07/17 18:39	
Chloromethane	ug/kg	<20.4	50.0	08/07/17 18:39	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	08/07/17 18:39	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	08/07/17 18:39	
Dibromochloromethane	ug/kg	<17.9	50.0	08/07/17 18:39	
Dibromomethane	ug/kg	<19.3	50.0	08/07/17 18:39	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	08/07/17 18:39	
Diisopropyl ether	ug/kg	<17.7	50.0	08/07/17 18:39	
Ethylbenzene	ug/kg	<12.4	50.0	08/07/17 18:39	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154484

METHOD BLANK: 1552406

Matrix: Solid

Associated Lab Samples: 40154484001, 40154484002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	08/07/17 18:39	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	08/07/17 18:39	
m&p-Xylene	ug/kg	<34.4	100	08/07/17 18:39	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	08/07/17 18:39	
Methylene Chloride	ug/kg	17.9J	50.0	08/07/17 18:39	
n-Butylbenzene	ug/kg	<10.5	50.0	08/07/17 18:39	
n-Propylbenzene	ug/kg	<11.6	50.0	08/07/17 18:39	
Naphthalene	ug/kg	<40.0	250	08/07/17 18:39	
o-Xylene	ug/kg	<14.0	50.0	08/07/17 18:39	
p-Isopropyltoluene	ug/kg	<12.0	50.0	08/07/17 18:39	
sec-Butylbenzene	ug/kg	<11.9	50.0	08/07/17 18:39	
Styrene	ug/kg	<9.0	50.0	08/07/17 18:39	
tert-Butylbenzene	ug/kg	<9.5	50.0	08/07/17 18:39	
Tetrachloroethene	ug/kg	<12.9	50.0	08/07/17 18:39	
Toluene	ug/kg	<11.2	50.0	08/07/17 18:39	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	08/07/17 18:39	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	08/07/17 18:39	
Trichloroethene	ug/kg	<23.6	50.0	08/07/17 18:39	
Trichlorofluoromethane	ug/kg	<24.7	50.0	08/07/17 18:39	
Vinyl chloride	ug/kg	<21.1	50.0	08/07/17 18:39	
4-Bromofluorobenzene (S)	%	96	58-141	08/07/17 18:39	
Dibromofluoromethane (S)	%	111	68-130	08/07/17 18:39	
Toluene-d8 (S)	%	113	68-149	08/07/17 18:39	

LABORATORY CONTROL SAMPLE: 1552407

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2330	93	61-122	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2660	106	73-130	
1,1,2-Trichloroethane	ug/kg	2500	2700	108	70-130	
1,1-Dichloroethane	ug/kg	2500	2580	103	63-124	
1,1-Dichloroethene	ug/kg	2500	2440	98	53-117	
1,2,4-Trichlorobenzene	ug/kg	2500	2280	91	78-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2270	91	49-140	
1,2-Dibromoethane (EDB)	ug/kg	2500	2600	104	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2550	102	70-130	
1,2-Dichloroethane	ug/kg	2500	2360	95	56-135	
1,2-Dichloropropane	ug/kg	2500	2630	105	77-122	
1,3-Dichlorobenzene	ug/kg	2500	2500	100	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2510	101	70-130	
Benzene	ug/kg	2500	2600	104	66-130	
Bromodichloromethane	ug/kg	2500	2300	92	62-135	
Bromoform	ug/kg	2500	2690	107	68-130	
Bromomethane	ug/kg	2500	2330	93	29-137	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154484

LABORATORY CONTROL SAMPLE: 1552407

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2270	91	57-130	
Chlorobenzene	ug/kg	2500	2650	106	70-130	
Chloroethane	ug/kg	2500	2640	106	36-144	
Chloroform	ug/kg	2500	2410	96	69-115	
Chloromethane	ug/kg	2500	2120	85	32-126	
cis-1,2-Dichloroethene	ug/kg	2500	2620	105	65-130	
cis-1,3-Dichloropropene	ug/kg	2500	2310	92	70-130	
Dibromochloromethane	ug/kg	2500	2660	106	70-130	
Dichlorodifluoromethane	ug/kg	2500	1550	62	10-99	
Ethylbenzene	ug/kg	2500	2540	102	82-122	
Isopropylbenzene (Cumene)	ug/kg	2500	2540	102	70-130	
m&p-Xylene	ug/kg	5000	5330	107	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2640	106	63-134	
Methylene Chloride	ug/kg	2500	2450	98	56-123	
o-Xylene	ug/kg	2500	2640	105	70-130	
Styrene	ug/kg	2500	2690	108	70-130	
Tetrachloroethene	ug/kg	2500	2620	105	70-131	
Toluene	ug/kg	2500	2760	110	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2620	105	66-130	
trans-1,3-Dichloropropene	ug/kg	2500	2450	98	68-130	
Trichloroethene	ug/kg	2500	2490	100	70-130	
Trichlorofluoromethane	ug/kg	2500	2500	100	37-149	
Vinyl chloride	ug/kg	2500	2520	101	43-128	
4-Bromofluorobenzene (S)	%			101	58-141	
Dibromofluoromethane (S)	%			110	68-130	
Toluene-d8 (S)	%			111	68-149	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1552408 1552409

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40154392007 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/kg	<25.0	1360	1360	1180	1240	87	91	57-123	5	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1360	1360	1460	1490	107	109	73-135	2	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1360	1360	1540	1500	113	111	70-130	3	20	
1,1-Dichloroethane	ug/kg	<25.0	1360	1360	1340	1310	98	96	63-124	2	20	
1,1-Dichloroethene	ug/kg	<25.0	1360	1360	1110	1140	82	84	48-117	3	23	
1,2,4-Trichlorobenzene	ug/kg	<47.6	1360	1360	1380	1370	102	101	78-145	1	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1360	1360	1150	1230	85	91	38-168	7	22	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1360	1360	1470	1400	108	103	70-130	5	20	
1,2-Dichlorobenzene	ug/kg	<25.0	1360	1360	1470	1410	108	104	70-130	4	20	
1,2-Dichloroethane	ug/kg	<25.0	1360	1360	1280	1250	94	92	56-145	3	20	
1,2-Dichloropropane	ug/kg	<25.0	1360	1360	1450	1450	107	107	77-123	0	20	
1,3-Dichlorobenzene	ug/kg	<25.0	1360	1360	1390	1380	102	102	70-130	0	20	
1,4-Dichlorobenzene	ug/kg	<25.0	1360	1360	1440	1390	106	102	70-130	3	20	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154484

Parameter	Units	40154392007		1552408		1552409		% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec					
Benzene	ug/kg	<25.0	1360	1360	1360	1370	100	101	65-130	1	20	
Bromodichloromethane	ug/kg	<25.0	1360	1360	1260	1240	93	91	59-141	2	20	
Bromoform	ug/kg	<25.0	1360	1360	1490	1430	109	105	59-141	4	20	
Bromomethane	ug/kg	<69.9	1360	1360	981	977	72	72	28-139	0	20	
Carbon tetrachloride	ug/kg	<25.0	1360	1360	1110	1120	82	82	50-130	1	20	
Chlorobenzene	ug/kg	<25.0	1360	1360	1450	1440	106	106	70-130	0	20	
Chloroethane	ug/kg	<67.0	1360	1360	1070	1130	78	83	36-144	6	20	
Chloroform	ug/kg	<46.4	1360	1360	1290	1300	95	96	68-122	1	20	
Chloromethane	ug/kg	<25.0	1360	1360	660	685	49	50	30-126	4	20	
cis-1,2-Dichloroethene	ug/kg	<25.0	1360	1360	1390	1410	102	104	63-130	1	20	
cis-1,3-Dichloropropene	ug/kg	<25.0	1360	1360	1250	1220	92	90	70-130	2	20	
Dibromochloromethane	ug/kg	<25.0	1360	1360	1440	1400	106	103	66-136	3	20	
Dichlorodifluoromethane	ug/kg	<25.0	1360	1360	333	350	25	26	10-99	5	33	
Ethylbenzene	ug/kg	<25.0	1360	1360	1360	1350	100	99	80-122	1	20	
Isopropylbenzene (Cumene)	ug/kg	<25.0	1360	1360	1320	1310	97	97	70-130	1	20	
m&p-Xylene	ug/kg	<50.0	2720	2720	2790	2860	103	105	70-130	2	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1360	1360	1380	1420	102	104	63-134	2	20	
Methylene Chloride	ug/kg	<25.0	1360	1360	1300	1310	94	95	56-127	1	20	
o-Xylene	ug/kg	<25.0	1360	1360	1450	1390	107	103	70-130	4	20	
Styrene	ug/kg	<25.0	1360	1360	1480	1420	109	104	70-130	4	20	
Tetrachloroethene	ug/kg	<25.0	1360	1360	1370	1390	101	103	70-131	1	20	
Toluene	ug/kg	<25.0	1360	1360	1510	1450	111	106	80-120	4	20	
trans-1,2-Dichloroethene	ug/kg	<25.0	1360	1360	1310	1320	96	97	60-130	1	20	
trans-1,3-Dichloropropene	ug/kg	<25.0	1360	1360	1300	1210	96	89	68-130	8	20	
Trichloroethene	ug/kg	<25.0	1360	1360	1270	1260	93	92	70-130	1	20	
Trichlorofluoromethane	ug/kg	<25.0	1360	1360	996	1000	73	74	37-149	1	24	
Vinyl chloride	ug/kg	<25.0	1360	1360	834	863	61	63	39-128	3	20	
4-Bromofluorobenzene (S)	%						115	110	58-141			
Dibromofluoromethane (S)	%						124	121	68-130			
Toluene-d8 (S)	%						127	122	68-149			

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154484

QC Batch: 263681 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40154484003, 40154484004, 40154484005, 40154484006, 40154484007

METHOD BLANK: 1552141 Matrix: Water
Associated Lab Samples: 40154484003, 40154484004, 40154484005, 40154484006, 40154484007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	08/08/17 07:09	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	08/08/17 07:09	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	08/08/17 07:09	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	08/08/17 07:09	
1,1-Dichloroethane	ug/L	<0.24	1.0	08/08/17 07:09	
1,1-Dichloroethene	ug/L	<0.41	1.0	08/08/17 07:09	
1,1-Dichloropropene	ug/L	<0.44	1.0	08/08/17 07:09	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	08/08/17 07:09	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	08/08/17 07:09	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	08/08/17 07:09	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	08/08/17 07:09	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	08/08/17 07:09	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	08/08/17 07:09	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	08/08/17 07:09	
1,2-Dichloroethane	ug/L	<0.17	1.0	08/08/17 07:09	
1,2-Dichloropropane	ug/L	<0.23	1.0	08/08/17 07:09	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	08/08/17 07:09	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	08/08/17 07:09	
1,3-Dichloropropane	ug/L	<0.50	1.0	08/08/17 07:09	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	08/08/17 07:09	
2,2-Dichloropropane	ug/L	<0.48	1.0	08/08/17 07:09	
2-Chlorotoluene	ug/L	<0.50	1.0	08/08/17 07:09	
4-Chlorotoluene	ug/L	<0.21	1.0	08/08/17 07:09	
Benzene	ug/L	<0.50	1.0	08/08/17 07:09	
Bromobenzene	ug/L	<0.23	1.0	08/08/17 07:09	
Bromochloromethane	ug/L	<0.34	1.0	08/08/17 07:09	
Bromodichloromethane	ug/L	<0.50	1.0	08/08/17 07:09	
Bromoform	ug/L	<0.50	1.0	08/08/17 07:09	
Bromomethane	ug/L	<2.4	5.0	08/08/17 07:09	
Carbon tetrachloride	ug/L	<0.50	1.0	08/08/17 07:09	
Chlorobenzene	ug/L	<0.50	1.0	08/08/17 07:09	
Chloroethane	ug/L	<0.37	1.0	08/08/17 07:09	
Chloroform	ug/L	<2.5	5.0	08/08/17 07:09	
Chloromethane	ug/L	<0.50	1.0	08/08/17 07:09	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	08/08/17 07:09	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	08/08/17 07:09	
Dibromochloromethane	ug/L	<0.50	1.0	08/08/17 07:09	
Dibromomethane	ug/L	<0.43	1.0	08/08/17 07:09	
Dichlorodifluoromethane	ug/L	<0.22	1.0	08/08/17 07:09	
Diisopropyl ether	ug/L	<0.50	1.0	08/08/17 07:09	
Ethylbenzene	ug/L	<0.50	1.0	08/08/17 07:09	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154484

METHOD BLANK: 1552141 Matrix: Water
Associated Lab Samples: 40154484003, 40154484004, 40154484005, 40154484006, 40154484007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	08/08/17 07:09	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	08/08/17 07:09	
m&p-Xylene	ug/L	<1.0	2.0	08/08/17 07:09	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	08/08/17 07:09	
Methylene Chloride	ug/L	0.34J	1.0	08/08/17 07:09	
n-Butylbenzene	ug/L	<0.50	1.0	08/08/17 07:09	
n-Propylbenzene	ug/L	<0.50	1.0	08/08/17 07:09	
Naphthalene	ug/L	<2.5	5.0	08/08/17 07:09	
o-Xylene	ug/L	<0.50	1.0	08/08/17 07:09	
p-Isopropyltoluene	ug/L	<0.50	1.0	08/08/17 07:09	
sec-Butylbenzene	ug/L	<2.2	5.0	08/08/17 07:09	
Styrene	ug/L	<0.50	1.0	08/08/17 07:09	
tert-Butylbenzene	ug/L	<0.18	1.0	08/08/17 07:09	
Tetrachloroethene	ug/L	<0.50	1.0	08/08/17 07:09	
Toluene	ug/L	<0.50	1.0	08/08/17 07:09	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	08/08/17 07:09	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	08/08/17 07:09	
Trichloroethene	ug/L	<0.33	1.0	08/08/17 07:09	
Trichlorofluoromethane	ug/L	<0.18	1.0	08/08/17 07:09	
Vinyl chloride	ug/L	<0.18	1.0	08/08/17 07:09	
4-Bromofluorobenzene (S)	%	97	61-130	08/08/17 07:09	
Dibromofluoromethane (S)	%	102	67-130	08/08/17 07:09	
Toluene-d8 (S)	%	103	70-130	08/08/17 07:09	

LABORATORY CONTROL SAMPLE: 1552142

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	48.2	96	70-130	
1,1,1,2-Tetrachloroethane	ug/L	50	50.8	102	70-130	
1,1,2-Trichloroethane	ug/L	50	52.8	106	70-130	
1,1-Dichloroethane	ug/L	50	46.5	93	71-132	
1,1-Dichloroethene	ug/L	50	41.4	83	75-130	
1,2,4-Trichlorobenzene	ug/L	50	48.4	97	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	47.9	96	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	50.7	101	70-130	
1,2-Dichlorobenzene	ug/L	50	51.4	103	70-130	
1,2-Dichloroethane	ug/L	50	49.9	100	70-131	
1,2-Dichloropropane	ug/L	50	50.1	100	80-120	
1,3-Dichlorobenzene	ug/L	50	51.6	103	70-130	
1,4-Dichlorobenzene	ug/L	50	52.1	104	70-130	
Benzene	ug/L	50	48.1	96	73-145	
Bromodichloromethane	ug/L	50	50.2	100	70-130	
Bromoform	ug/L	50	50.4	101	67-130	
Bromomethane	ug/L	50	38.0	76	26-128	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154484

LABORATORY CONTROL SAMPLE: 1552142

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	48.6	97	70-133	
Chlorobenzene	ug/L	50	53.1	106	70-130	
Chloroethane	ug/L	50	41.7	83	58-120	
Chloroform	ug/L	50	49.8	100	80-121	
Chloromethane	ug/L	50	29.9	60	40-127	
cis-1,2-Dichloroethene	ug/L	50	47.1	94	70-130	
cis-1,3-Dichloropropene	ug/L	50	47.4	95	70-130	
Dibromochloromethane	ug/L	50	51.0	102	70-130	
Dichlorodifluoromethane	ug/L	50	29.6	59	20-135	
Ethylbenzene	ug/L	50	51.4	103	87-129	
Isopropylbenzene (Cumene)	ug/L	50	52.0	104	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methyl-tert-butyl ether	ug/L	50	46.5	93	66-143	
Methylene Chloride	ug/L	50	45.3	91	70-130	
o-Xylene	ug/L	50	51.6	103	70-130	
Styrene	ug/L	50	51.8	104	70-130	
Tetrachloroethene	ug/L	50	52.3	105	70-130	
Toluene	ug/L	50	51.8	104	82-130	
trans-1,2-Dichloroethene	ug/L	50	45.8	92	75-132	
trans-1,3-Dichloropropene	ug/L	50	47.2	94	70-130	
Trichloroethene	ug/L	50	51.3	103	70-130	
Trichlorofluoromethane	ug/L	50	46.4	93	76-133	
Vinyl chloride	ug/L	50	36.0	72	57-136	
4-Bromofluorobenzene (S)	%			98	61-130	
Dibromofluoromethane (S)	%			101	67-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1552579 1552580

Parameter	Units	40154484005		MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result						
1,1,1-Trichloroethane	ug/L	<0.50	50	50	46.8	48.5	94	97	70-134	4	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	50.8	54.1	102	108	70-130	6	20		
1,1,2-Trichloroethane	ug/L	<0.20	50	50	51.7	53.7	103	107	70-130	4	20		
1,1-Dichloroethane	ug/L	<0.24	50	50	45.3	46.7	91	93	71-133	3	20		
1,1-Dichloroethene	ug/L	<0.41	50	50	39.6	41.5	79	83	75-136	5	20		
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	49.5	51.8	99	104	70-130	5	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	48.9	51.6	98	103	63-123	5	20		
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	50.9	52.8	102	106	70-130	4	20		
1,2-Dichlorobenzene	ug/L	<0.50	50	50	51.5	53.2	103	106	70-130	3	20		
1,2-Dichloroethane	ug/L	<0.17	50	50	48.8	50.3	98	101	70-131	3	20		
1,2-Dichloropropane	ug/L	<0.23	50	50	48.5	50.4	97	101	80-120	4	20		
1,3-Dichlorobenzene	ug/L	<0.50	50	50	51.9	53.7	104	107	70-130	3	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	52.0	54.1	104	108	70-130	4	20		

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154484

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1552579		1552580		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40154484005 Result	MS Spike Conc.	MSD Spike Conc.									
Benzene	ug/L	<0.50	50	50	46.8	48.3	94	97	73-145	3	20		
Bromodichloromethane	ug/L	<0.50	50	50	48.7	50.6	97	101	70-130	4	20		
Bromoform	ug/L	<0.50	50	50	50.7	52.6	101	105	67-130	4	20		
Bromomethane	ug/L	<2.4	50	50	39.7	43.1	79	86	26-129	8	20		
Carbon tetrachloride	ug/L	<0.50	50	50	46.5	49.0	93	98	70-134	5	20		
Chlorobenzene	ug/L	<0.50	50	50	52.4	54.0	105	108	70-130	3	20		
Chloroethane	ug/L	<0.37	50	50	39.4	40.7	79	81	58-120	3	20		
Chloroform	ug/L	<2.5	50	50	48.3	50.0	97	100	80-121	3	20		
Chloromethane	ug/L	<0.50	50	50	28.0	28.9	56	58	40-128	3	20		
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	45.5	47.6	91	95	70-130	5	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	47.5	49.0	95	98	70-130	3	20		
Dibromochloromethane	ug/L	<0.50	50	50	50.5	52.6	101	105	70-130	4	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	25.5	27.1	51	54	20-146	6	20		
Ethylbenzene	ug/L	<0.50	50	50	50.6	52.2	101	104	87-129	3	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	51.5	53.1	103	106	70-130	3	20		
m&p-Xylene	ug/L	<1.0	100	100	102	105	102	105	70-130	3	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	45.7	47.5	91	95	66-143	4	20		
Methylene Chloride	ug/L	<0.23	50	50	43.5	44.7	87	89	70-130	3	20		
o-Xylene	ug/L	<0.50	50	50	50.6	52.6	101	105	70-130	4	20		
Styrene	ug/L	<0.50	50	50	51.4	52.8	103	106	70-130	3	20		
Tetrachloroethene	ug/L	<0.50	50	50	52.4	54.3	104	108	70-130	4	20		
Toluene	ug/L	<0.50	50	50	51.6	52.7	103	105	82-131	2	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	43.8	45.9	88	92	75-135	5	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	48.6	50.4	97	101	70-130	4	20		
Trichloroethene	ug/L	<0.33	50	50	49.6	51.3	99	103	70-130	3	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	43.6	46.2	87	92	76-150	6	20		
Vinyl chloride	ug/L	<0.18	50	50	33.1	34.6	66	69	56-143	4	20		
4-Bromofluorobenzene (S)	%						98	99	61-130				
Dibromofluoromethane (S)	%						101	101	67-130				
Toluene-d8 (S)	%						104	103	70-130				

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154484

QC Batch: 263888 Analysis Method: EPA 8082
QC Batch Method: EPA 3541 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 40154484001, 40154484002

METHOD BLANK: 1553041 Matrix: Solid
Associated Lab Samples: 40154484001, 40154484002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<25.0	50.0	08/10/17 11:08	
PCB-1221 (Aroclor 1221)	ug/kg	<25.0	50.0	08/10/17 11:08	
PCB-1232 (Aroclor 1232)	ug/kg	<25.0	50.0	08/10/17 11:08	
PCB-1242 (Aroclor 1242)	ug/kg	<25.0	50.0	08/10/17 11:08	
PCB-1248 (Aroclor 1248)	ug/kg	<25.0	50.0	08/10/17 11:08	
PCB-1254 (Aroclor 1254)	ug/kg	<25.0	50.0	08/10/17 11:08	
PCB-1260 (Aroclor 1260)	ug/kg	<25.0	50.0	08/10/17 11:08	
Decachlorobiphenyl (S)	%	82	53-105	08/10/17 11:08	
Tetrachloro-m-xylene (S)	%	77	50-102	08/10/17 11:08	

LABORATORY CONTROL SAMPLE: 1553042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg		<25.0			
PCB-1221 (Aroclor 1221)	ug/kg		<25.0			
PCB-1232 (Aroclor 1232)	ug/kg		<25.0			
PCB-1242 (Aroclor 1242)	ug/kg		<25.0			
PCB-1248 (Aroclor 1248)	ug/kg		<25.0			
PCB-1254 (Aroclor 1254)	ug/kg		<25.0			
PCB-1260 (Aroclor 1260)	ug/kg	500	356	71	59-106	
Decachlorobiphenyl (S)	%			79	53-105	
Tetrachloro-m-xylene (S)	%			75	50-102	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1553043 1553044

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40154484001	Spike Conc.	Spike Conc.	Result						
PCB-1016 (Aroclor 1016)	ug/kg	<26.7			<26.7	<26.7					20
PCB-1221 (Aroclor 1221)	ug/kg	<26.7			<26.7	<26.7					20
PCB-1232 (Aroclor 1232)	ug/kg	<26.7			<26.7	<26.7					20
PCB-1242 (Aroclor 1242)	ug/kg	<26.7			<26.7	<26.7					20
PCB-1248 (Aroclor 1248)	ug/kg	<26.7			<26.7	<26.7					20
PCB-1254 (Aroclor 1254)	ug/kg	<26.7			<26.7	<26.7					20
PCB-1260 (Aroclor 1260)	ug/kg	<26.7	534	534	406	415	76	78	51-109	2	20
Decachlorobiphenyl (S)	%						82	83	53-105		
Tetrachloro-m-xylene (S)	%						77	77	50-102		

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154484

QC Batch: 264438 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 40154484001, 40154484002

METHOD BLANK: 1556347 Matrix: Solid
Associated Lab Samples: 40154484001, 40154484002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	<18.9	62.9	08/14/17 15:04	
1,2-Dichlorobenzene	ug/kg	<52.5	175	08/14/17 15:04	
1,3-Dichlorobenzene	ug/kg	<23.1	77.1	08/14/17 15:04	
1,4-Dichlorobenzene	ug/kg	<23.3	77.5	08/14/17 15:04	
2,2'-Oxybis(1-chloropropane)	ug/kg	<43.1	144	08/14/17 15:04	
2,4,5-Trichlorophenol	ug/kg	<29.5	98.3	08/14/17 15:04	
2,4,6-Trichlorophenol	ug/kg	<25.5	84.9	08/14/17 15:04	
2,4-Dichlorophenol	ug/kg	<44.6	149	08/14/17 15:04	
2,4-Dimethylphenol	ug/kg	<33.0	110	08/14/17 15:04	
2,4-Dinitrophenol	ug/kg	<50.9	170	08/14/17 15:04	
2,4-Dinitrotoluene	ug/kg	<23.9	79.6	08/14/17 15:04	
2,6-Dinitrotoluene	ug/kg	<31.7	106	08/14/17 15:04	
2-Chloronaphthalene	ug/kg	<21.4	71.5	08/14/17 15:04	
2-Chlorophenol	ug/kg	<41.7	139	08/14/17 15:04	
2-Methylnaphthalene	ug/kg	<43.4	145	08/14/17 15:04	
2-Methylphenol(o-Cresol)	ug/kg	<30.3	101	08/14/17 15:04	
2-Nitroaniline	ug/kg	<47.6	159	08/14/17 15:04	
2-Nitrophenol	ug/kg	<52.7	176	08/14/17 15:04	
3&4-Methylphenol(m&p Cresol)	ug/kg	<30.6	102	08/14/17 15:04	
3,3'-Dichlorobenzidine	ug/kg	<45.3	151	08/14/17 15:04	
3-Nitroaniline	ug/kg	<28.4	94.7	08/14/17 15:04	
4,6-Dinitro-2-methylphenol	ug/kg	<51.5	172	08/14/17 15:04	
4-Bromophenylphenyl ether	ug/kg	<35.0	117	08/14/17 15:04	
4-Chloro-3-methylphenol	ug/kg	<52.0	173	08/14/17 15:04	
4-Chloroaniline	ug/kg	<27.4	91.5	08/14/17 15:04	
4-Chlorophenylphenyl ether	ug/kg	<31.1	104	08/14/17 15:04	
4-Nitroaniline	ug/kg	<69.3	231	08/14/17 15:04	
4-Nitrophenol	ug/kg	<42.0	140	08/14/17 15:04	
Acenaphthene	ug/kg	<59.2	197	08/14/17 15:04	
Acenaphthylene	ug/kg	<59.6	199	08/14/17 15:04	
Anthracene	ug/kg	<26.7	88.9	08/14/17 15:04	
Benzo(a)anthracene	ug/kg	<25.9	86.2	08/14/17 15:04	
Benzo(a)pyrene	ug/kg	<25.1	83.7	08/14/17 15:04	
Benzo(b)fluoranthene	ug/kg	<28.7	95.6	08/14/17 15:04	
Benzo(g,h,i)perylene	ug/kg	<43.7	146	08/14/17 15:04	
Benzo(k)fluoranthene	ug/kg	<40.0	133	08/14/17 15:04	
bis(2-Chloroethoxy)methane	ug/kg	<45.0	150	08/14/17 15:04	
bis(2-Chloroethyl) ether	ug/kg	<52.1	174	08/14/17 15:04	
bis(2-Ethylhexyl)phthalate	ug/kg	<27.8	92.6	08/14/17 15:04	
Butylbenzylphthalate	ug/kg	<26.8	89.2	08/14/17 15:04	
Carbazole	ug/kg	<26.1	87.1	08/14/17 15:04	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154484

METHOD BLANK: 1556347

Matrix: Solid

Associated Lab Samples: 40154484001, 40154484002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chrysene	ug/kg	<25.0	83.2	08/14/17 15:04	
Di-n-butylphthalate	ug/kg	<25.0	83.2	08/14/17 15:04	
Di-n-octylphthalate	ug/kg	<37.5	125	08/14/17 15:04	
Dibenz(a,h)anthracene	ug/kg	<45.4	151	08/14/17 15:04	
Dibenzofuran	ug/kg	<20.2	67.4	08/14/17 15:04	
Diethylphthalate	ug/kg	<27.7	92.3	08/14/17 15:04	
Dimethylphthalate	ug/kg	<21.7	72.4	08/14/17 15:04	
Fluoranthene	ug/kg	<23.6	78.8	08/14/17 15:04	
Fluorene	ug/kg	<19.5	65.1	08/14/17 15:04	
Hexachloro-1,3-butadiene	ug/kg	<42.5	142	08/14/17 15:04	
Hexachlorobenzene	ug/kg	<28.1	93.6	08/14/17 15:04	
Hexachlorocyclopentadiene	ug/kg	<39.5	132	08/14/17 15:04	
Hexachloroethane	ug/kg	<26.7	89.1	08/14/17 15:04	
Indeno(1,2,3-cd)pyrene	ug/kg	<36.1	120	08/14/17 15:04	
Isophorone	ug/kg	<25.7	85.6	08/14/17 15:04	
N-Nitroso-di-n-propylamine	ug/kg	<26.5	88.3	08/14/17 15:04	
N-Nitrosodiphenylamine	ug/kg	<227	755	08/14/17 15:04	
Naphthalene	ug/kg	<58.4	195	08/14/17 15:04	
Nitrobenzene	ug/kg	<33.9	113	08/14/17 15:04	
Pentachlorophenol	ug/kg	<36.8	123	08/14/17 15:04	
Phenanthrene	ug/kg	<21.4	71.4	08/14/17 15:04	
Phenol	ug/kg	<39.6	132	08/14/17 15:04	
Pyrene	ug/kg	<37.0	123	08/14/17 15:04	
2,4,6-Tribromophenol (S)	%	104	13-143	08/14/17 15:04	
2-Fluorobiphenyl (S)	%	86	18-127	08/14/17 15:04	
2-Fluorophenol (S)	%	83	16-103	08/14/17 15:04	
Nitrobenzene-d5 (S)	%	87	13-114	08/14/17 15:04	
Phenol-d6 (S)	%	79	30-97	08/14/17 15:04	
Terphenyl-d14 (S)	%	102	41-109	08/14/17 15:04	

LABORATORY CONTROL SAMPLE: 1556348

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1560	94	65-130	
1,2-Dichlorobenzene	ug/kg	1670	1410	85	53-130	
1,3-Dichlorobenzene	ug/kg	1670	1410	84	51-99	
1,4-Dichlorobenzene	ug/kg	1670	1410	85	52-101	
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	1500	90	54-105	
2,4,5-Trichlorophenol	ug/kg	1670	1600	96	60-119	
2,4,6-Trichlorophenol	ug/kg	1670	1580	95	64-115	
2,4-Dichlorophenol	ug/kg	1670	1610	97	66-99	
2,4-Dimethylphenol	ug/kg	1670	1590	96	70-121	
2,4-Dinitrophenol	ug/kg	1670	1300	78	23-72 L1	
2,4-Dinitrotoluene	ug/kg	1670	1750	105	58-131	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154484

LABORATORY CONTROL SAMPLE: 1556348

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,6-Dinitrotoluene	ug/kg	1670	1750	105	60-125	
2-Chloronaphthalene	ug/kg	1670	1570	95	64-111	
2-Chlorophenol	ug/kg	1670	1460	88	57-130	
2-Methylnaphthalene	ug/kg	1670	1630	98	67-130	
2-Methylphenol(o-Cresol)	ug/kg	1670	1490	90	64-106	
2-Nitroaniline	ug/kg	1670	1650	99	60-124	
2-Nitrophenol	ug/kg	1670	1530	92	63-107	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1480	89	62-106	
3,3'-Dichlorobenzidine	ug/kg	1670	1260	76	39-100	
3-Nitroaniline	ug/kg	1670	1520	91	53-119	
4,6-Dinitro-2-methylphenol	ug/kg	1670	1570	94	49-115	
4-Bromophenylphenyl ether	ug/kg	1670	1720	103	70-130	
4-Chloro-3-methylphenol	ug/kg	1670	1690	101	68-101	
4-Chloroaniline	ug/kg	1670	1350	81	62-126	
4-Chlorophenylphenyl ether	ug/kg	1670	1690	101	67-116	
4-Nitroaniline	ug/kg	1670	1580	95	48-130	
4-Nitrophenol	ug/kg	1670	1820	109	38-118	
Acenaphthene	ug/kg	1670	1620	97	65-116	
Acenaphthylene	ug/kg	1670	1610	97	63-119	
Anthracene	ug/kg	1670	1850	111	70-122	
Benzo(a)anthracene	ug/kg	1670	1570	94	68-111	
Benzo(a)pyrene	ug/kg	1670	1630	98	69-106	
Benzo(b)fluoranthene	ug/kg	1670	1610	97	62-104	
Benzo(g,h,i)perylene	ug/kg	1670	1690	102	55-114	
Benzo(k)fluoranthene	ug/kg	1670	1650	99	64-104	
bis(2-Chloroethoxy)methane	ug/kg	1670	1630	98	70-130	
bis(2-Chloroethyl) ether	ug/kg	1670	1430	86	55-130	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1750	105	56-117	
Butylbenzylphthalate	ug/kg	1670	1810	109	57-118	
Carbazole	ug/kg	1670	1850	111	70-125	
Chrysene	ug/kg	1670	1300	78	49-121	
Di-n-butylphthalate	ug/kg	1670	1930	116	68-113 L1	
Di-n-octylphthalate	ug/kg	1670	1650	99	48-123	
Dibenz(a,h)anthracene	ug/kg	1670	982	59	10-124	
Dibenzofuran	ug/kg	1670	1580	95	67-118	
Diethylphthalate	ug/kg	1670	1880	113	68-117	
Dimethylphthalate	ug/kg	1670	1890	114	68-115	
Fluoranthene	ug/kg	1670	1780	107	72-117	
Fluorene	ug/kg	1670	1690	102	64-123	
Hexachloro-1,3-butadiene	ug/kg	1670	1710	103	62-106	
Hexachlorobenzene	ug/kg	1670	1710	103	70-130	
Hexachlorocyclopentadiene	ug/kg	1670	1230	74	41-114	
Hexachloroethane	ug/kg	1670	1470	88	51-96	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1510	90	47-116	
Isophorone	ug/kg	1670	1580	95	67-130	
N-Nitroso-di-n-propylamine	ug/kg	1670	1470	88	61-130	
N-Nitrosodiphenylamine	ug/kg	1670	1490	89	73-115	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154484

LABORATORY CONTROL SAMPLE: 1556348

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	1670	1570	94	65-130	
Nitrobenzene	ug/kg	1670	1490	89	64-130	
Pentachlorophenol	ug/kg	1670	1660	100	50-111	
Phenanthrene	ug/kg	1670	1700	102	70-111	
Phenol	ug/kg	1670	1360	82	56-103	
Pyrene	ug/kg	1670	1710	103	69-118	
2,4,6-Tribromophenol (S)	%			110	13-143	
2-Fluorobiphenyl (S)	%			94	18-127	
2-Fluorophenol (S)	%			81	16-103	
Nitrobenzene-d5 (S)	%			92	13-114	
Phenol-d6 (S)	%			85	30-97	
Terphenyl-d14 (S)	%			101	41-109	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1556349 1556350

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40154392009 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,2,4-Trichlorobenzene	ug/kg	<44.8	1990	1990	1640	1540	83	78	51-130	6	28	
1,2-Dichlorobenzene	ug/kg	<125	1990	1990	1630	1480	82	75	43-130	10	34	
1,3-Dichlorobenzene	ug/kg	<54.9	1990	1990	1580	1430	79	72	39-99	9	34	
1,4-Dichlorobenzene	ug/kg	<55.2	1990	1990	1650	1440	83	73	39-101	14	34	
2,2'-Oxybis(1-chloropropane)	ug/kg	<102	1990	1990	1820	1660	92	83	39-105	10	28	
2,4,5-Trichlorophenol	ug/kg	<70.0	1990	1990	741	862	37	43	34-119	15	39	
2,4,6-Trichlorophenol	ug/kg	<60.4	1990	1990	448	595	23	30	41-117	28	33	M1
2,4-Dichlorophenol	ug/kg	<106	1990	1990	1080	1260	55	64	48-99	15	23	
2,4-Dimethylphenol	ug/kg	<78.4	1990	1990	1580	1460	79	74	47-121	8	35	
2,4-Dinitrophenol	ug/kg	<121	1990	1990	<121	<121	0	0	10-72		50	M0
2,4-Dinitrotoluene	ug/kg	<56.7	1990	1990	1630	1450	82	73	34-131	12	28	
2,6-Dinitrotoluene	ug/kg	<75.3	1990	1990	1660	1630	84	82	37-127	2	23	
2-Chloronaphthalene	ug/kg	<50.9	1990	1990	1660	1600	84	81	51-111	4	20	
2-Chlorophenol	ug/kg	<99.0	1990	1990	1300	1320	65	66	45-130	2	30	
2-Methylnaphthalene	ug/kg	131J	1990	1990	1940	1780	91	83	47-130	8	37	
2-Methylphenol(o-Cresol)	ug/kg	<72.0	1990	1990	1490	1350	75	68	46-106	10	32	
2-Nitroaniline	ug/kg	<113	1990	1990	1740	1580	88	80	36-126	10	33	
2-Nitrophenol	ug/kg	<125	1990	1990	845	1060	43	53	29-114	22	33	
3&4-Methylphenol(m&p Cresol)	ug/kg	<72.7	1990	1990	1430	1270	72	64	42-106	12	33	
3,3'-Dichlorobenzidine	ug/kg	<108	1990	1990	1660	1590	84	80	10-120	4	50	
3-Nitroaniline	ug/kg	<67.4	1990	1990	1450	1390	73	70	22-125	4	39	
4,6-Dinitro-2-methylphenol	ug/kg	<122	1990	1990	<122	<122	0	0	10-115		50	M1
4-Bromophenylphenyl ether	ug/kg	<83.0	1990	1990	1660	1550	84	78	52-130	7	22	
4-Chloro-3-methylphenol	ug/kg	<123	1990	1990	1530	1550	77	78	52-101	1	31	
4-Chloroaniline	ug/kg	<65.2	1990	1990	1380	1320	69	66	26-126	4	41	
4-Chlorophenylphenyl ether	ug/kg	<73.8	1990	1990	1780	1770	90	89	54-116	1	22	
4-Nitroaniline	ug/kg	<165	1990	1990	1290	1300	65	65	15-130	0	50	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154484

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1556349		1556350		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40154392009 Result	MS Spike Conc.	MSD Spike Conc.									
4-Nitrophenol	ug/kg	<99.8	1990	1990	<100	<100	0	0	10-118		47	M1	
Acenaphthene	ug/kg	<141	1990	1990	1800	1740	86	83	46-120	3	31		
Acenaphthylene	ug/kg	<141	1990	1990	1810	1700	87	82	50-119	6	30		
Anthracene	ug/kg	391	1990	1990	2290	2150	96	89	40-122	7	38		
Benzo(a)anthracene	ug/kg	1010	1990	1990	2510	2290	76	64	43-111	9	41		
Benzo(a)pyrene	ug/kg	892	1990	1990	2330	2160	73	64	46-106	7	43		
Benzo(b)fluoranthene	ug/kg	1150	1990	1990	2400	2270	63	57	39-104	6	47		
Benzo(g,h,i)perylene	ug/kg	563	1990	1990	1960	1830	70	64	39-114	7	37		
Benzo(k)fluoranthene	ug/kg	440	1990	1990	2080	1930	83	75	44-104	8	38		
bis(2-Chloroethoxy)methane	ug/kg	<107	1990	1990	1670	1590	84	80	49-130	5	20		
bis(2-Chloroethyl) ether	ug/kg	<124	1990	1990	1600	1440	81	73	40-130	10	33		
bis(2-Ethylhexyl)phthalate	ug/kg	<65.9	1990	1990	1870	1870	94	94	42-117	0	23		
Butylbenzylphthalate	ug/kg	<63.6	1990	1990	1960	1970	99	99	44-118	1	24		
Carbazole	ug/kg	106J	1990	1990	2090	1890	100	90	35-125	10	38		
Chrysene	ug/kg	1090	1990	1990	2210	1970	56	45	24-129	11	46		
Di-n-butylphthalate	ug/kg	<59.3	1990	1990	2110	2020	106	102	51-113	4	20		
Di-n-octylphthalate	ug/kg	<89.1	1990	1990	2060	1940	104	98	32-125	6	32		
Dibenz(a,h)anthracene	ug/kg	140J	1990	1990	1370	1280	62	58	10-124	7	33		
Dibenzofuran	ug/kg	88.6J	1990	1990	1790	1690	86	81	48-118	6	27		
Diethylphthalate	ug/kg	<65.7	1990	1990	2010	1940	101	98	54-117	4	32		
Dimethylphthalate	ug/kg	<51.6	1990	1990	1930	1870	97	94	53-115	3	35		
Fluoranthene	ug/kg	2240	1990	1990	3640	3100	71	43	41-117	16	41		
Fluorene	ug/kg	131J	1990	1990	1940	1840	91	86	46-123	5	36		
Hexachloro-1,3-butadiene	ug/kg	<101	1990	1990	1790	1660	90	84	46-106	7	27		
Hexachlorobenzene	ug/kg	<66.7	1990	1990	1720	1640	87	83	51-130	5	22		
Hexachlorocyclopentadiene	ug/kg	<93.8	1990	1990	200J	260J	10	13	10-118		47		
Hexachloroethane	ug/kg	<63.4	1990	1990	1490	1310	75	66	36-96	13	42		
Indeno(1,2,3-cd)pyrene	ug/kg	616	1990	1990	1940	1820	67	61	31-116	6	37		
Isophorone	ug/kg	<60.9	1990	1990	1620	1480	82	75	50-130	9	21		
N-Nitroso-di-n-propylamine	ug/kg	<62.9	1990	1990	1650	1560	83	79	46-130	6	36		
N-Nitrosodiphenylamine	ug/kg	<538	1990	1990	1580J	1470J	80	74	50-117		28		
Naphthalene	ug/kg	<139	1990	1990	1860	1700	89	81	46-130	9	28		
Nitrobenzene	ug/kg	<80.4	1990	1990	1600	1410	81	71	44-130	13	28		
Pentachlorophenol	ug/kg	<87.3	1990	1990	<87.5	<87.5	2	3	10-119		50	M1	
Phenanthrene	ug/kg	1510	1990	1990	2830	2560	67	53	42-111	10	45		
Phenol	ug/kg	<94.1	1990	1990	1340	1300	67	66	39-103	3	30		
Pyrene	ug/kg	1590	1990	1990	3040	2850	74	64	44-118	7	43		
2,4,6-Tribromophenol (S)	%						37	45	13-143				
2-Fluorobiphenyl (S)	%						83	79	18-127				
2-Fluorophenol (S)	%						44	48	16-103				
Nitrobenzene-d5 (S)	%						81	71	13-114				
Phenol-d6 (S)	%						63	62	30-97				
Terphenyl-d14 (S)	%						87	85	41-109				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154484

QC Batch: 263959 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 40154484003, 40154484004, 40154484005, 40154484006

METHOD BLANK: 1553397 Matrix: Water
Associated Lab Samples: 40154484003, 40154484004, 40154484005, 40154484006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<2.0	6.8	08/09/17 17:27	
1,2-Dichlorobenzene	ug/L	<1.9	6.4	08/09/17 17:27	
1,3-Dichlorobenzene	ug/L	<1.9	6.3	08/09/17 17:27	
1,4-Dichlorobenzene	ug/L	<1.9	6.3	08/09/17 17:27	
2,2'-Oxybis(1-chloropropane)	ug/L	<1.5	5.1	08/09/17 17:27	
2,4,5-Trichlorophenol	ug/L	<0.84	2.8	08/09/17 17:27	
2,4,6-Trichlorophenol	ug/L	<2.1	7.0	08/09/17 17:27	
2,4-Dichlorophenol	ug/L	<1.4	4.6	08/09/17 17:27	
2,4-Dimethylphenol	ug/L	<1.3	4.2	08/09/17 17:27	
2,4-Dinitrophenol	ug/L	<0.71	2.4	08/09/17 17:27	
2,4-Dinitrotoluene	ug/L	<0.79	2.6	08/09/17 17:27	
2,6-Dinitrotoluene	ug/L	<0.60	2.0	08/09/17 17:27	
2-Chloronaphthalene	ug/L	<1.6	5.5	08/09/17 17:27	
2-Chlorophenol	ug/L	<1.2	3.9	08/09/17 17:27	
2-Methylnaphthalene	ug/L	<1.5	5.0	08/09/17 17:27	
2-Methylphenol(o-Cresol)	ug/L	<0.87	2.9	08/09/17 17:27	
2-Nitroaniline	ug/L	<0.77	2.6	08/09/17 17:27	
2-Nitrophenol	ug/L	<1.2	3.9	08/09/17 17:27	
3&4-Methylphenol(m&p Cresol)	ug/L	<1.6	5.2	08/09/17 17:27	
3,3'-Dichlorobenzidine	ug/L	<0.91	3.0	08/09/17 17:27	
3-Nitroaniline	ug/L	<0.97	3.2	08/09/17 17:27	
4,6-Dinitro-2-methylphenol	ug/L	<0.65	2.2	08/09/17 17:27	
4-Bromophenylphenyl ether	ug/L	<2.0	6.6	08/09/17 17:27	
4-Chloro-3-methylphenol	ug/L	<1.7	5.6	08/09/17 17:27	
4-Chloroaniline	ug/L	<1.1	3.7	08/09/17 17:27	
4-Chlorophenylphenyl ether	ug/L	<0.82	2.7	08/09/17 17:27	
4-Nitroaniline	ug/L	<1.8	6.1	08/09/17 17:27	
4-Nitrophenol	ug/L	<1.0	3.5	08/09/17 17:27	
Acenaphthene	ug/L	<1.3	4.5	08/09/17 17:27	
Acenaphthylene	ug/L	<1.1	3.5	08/09/17 17:27	
Anthracene	ug/L	<1.8	6.0	08/09/17 17:27	
Benzo(a)anthracene	ug/L	<0.53	1.8	08/09/17 17:27	
Benzo(a)pyrene	ug/L	<1.9	6.3	08/09/17 17:27	
Benzo(b)fluoranthene	ug/L	<0.65	2.2	08/09/17 17:27	
Benzo(g,h,i)perylene	ug/L	<0.81	2.7	08/09/17 17:27	
Benzo(k)fluoranthene	ug/L	<1.0	3.3	08/09/17 17:27	
bis(2-Chloroethoxy)methane	ug/L	<1.0	3.3	08/09/17 17:27	
bis(2-Chloroethyl) ether	ug/L	<1.6	5.3	08/09/17 17:27	
bis(2-Ethylhexyl)phthalate	ug/L	<0.69	2.3	08/09/17 17:27	
Butylbenzylphthalate	ug/L	<0.77	2.6	08/09/17 17:27	
Carbazole	ug/L	<0.75	2.5	08/09/17 17:27	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 KRAFT
Pace Project No.: 40154484

METHOD BLANK: 1553397 Matrix: Water
Associated Lab Samples: 40154484003, 40154484004, 40154484005, 40154484006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chrysene	ug/L	<1.7	5.8	08/09/17 17:27	
Di-n-butylphthalate	ug/L	<2.6	8.5	08/09/17 17:27	
Di-n-octylphthalate	ug/L	<1.9	6.3	08/09/17 17:27	
Dibenz(a,h)anthracene	ug/L	<1.3	4.4	08/09/17 17:27	
Dibenzofuran	ug/L	<0.77	2.6	08/09/17 17:27	
Diethylphthalate	ug/L	<1.1	3.6	08/09/17 17:27	
Dimethylphthalate	ug/L	<1.9	6.4	08/09/17 17:27	
Fluoranthene	ug/L	<0.56	1.9	08/09/17 17:27	
Fluorene	ug/L	<0.75	2.5	08/09/17 17:27	
Hexachloro-1,3-butadiene	ug/L	<2.5	8.2	08/09/17 17:27	
Hexachlorobenzene	ug/L	<1.7	5.6	08/09/17 17:27	
Hexachlorocyclopentadiene	ug/L	<0.68	2.3	08/09/17 17:27	
Hexachloroethane	ug/L	<2.7	8.9	08/09/17 17:27	
Indeno(1,2,3-cd)pyrene	ug/L	<1.5	5.0	08/09/17 17:27	
Isophorone	ug/L	<0.73	2.4	08/09/17 17:27	
N-Nitroso-di-n-propylamine	ug/L	<0.97	3.2	08/09/17 17:27	
N-Nitrosodiphenylamine	ug/L	<3.5	11.8	08/09/17 17:27	
Naphthalene	ug/L	<1.9	6.3	08/09/17 17:27	
Nitrobenzene	ug/L	<1.5	4.8	08/09/17 17:27	
Pentachlorophenol	ug/L	<1.4	4.8	08/09/17 17:27	
Phenanthrene	ug/L	<1.8	6.1	08/09/17 17:27	
Phenol	ug/L	<0.60	2.0	08/09/17 17:27	
Pyrene	ug/L	<1.3	4.5	08/09/17 17:27	
2,4,6-Tribromophenol (S)	%	105	65-140	08/09/17 17:27	
2-Fluorobiphenyl (S)	%	90	59-109	08/09/17 17:27	
2-Fluorophenol (S)	%	54	27-67	08/09/17 17:27	
Nitrobenzene-d5 (S)	%	95	53-100	08/09/17 17:27	
Phenol-d6 (S)	%	34	18-120	08/09/17 17:27	
Terphenyl-d14 (S)	%	107	59-108	08/09/17 17:27	

LABORATORY CONTROL SAMPLE: 1553398

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	46.4	93	66-130	
1,2-Dichlorobenzene	ug/L	50	39.5	79	50-130	
1,3-Dichlorobenzene	ug/L	50	37.9	76	42-98	
1,4-Dichlorobenzene	ug/L	50	38.2	76	44-84	
2,2'-Oxybis(1-chloropropane)	ug/L	50	46.0	92	58-130	
2,4,5-Trichlorophenol	ug/L	50	48.8	98	63-127	
2,4,6-Trichlorophenol	ug/L	50	50.3	101	65-125	
2,4-Dichlorophenol	ug/L	50	48.4	97	71-104	
2,4-Dimethylphenol	ug/L	50	38.6	77	40-85	
2,4-Dinitrophenol	ug/L	50	39.7	79	33-126	
2,4-Dinitrotoluene	ug/L	50	56.3	113	68-137	

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154484

LABORATORY CONTROL SAMPLE: 1553398

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,6-Dinitrotoluene	ug/L	50	55.4	111	71-130	
2-Chloronaphthalene	ug/L	50	47.7	95	70-120	
2-Chlorophenol	ug/L	50	44.7	89	60-101	
2-Methylnaphthalene	ug/L	50	50.0	100	70-130	
2-Methylphenol(o-Cresol)	ug/L	50	39.7	79	54-103	
2-Nitroaniline	ug/L	50	52.0	104	70-130	
2-Nitrophenol	ug/L	50	50.8	102	66-111	
3&4-Methylphenol(m&p Cresol)	ug/L	50	35.0	70	50-95	
3,3'-Dichlorobenzidine	ug/L	50	36.8	74	37-97	
3-Nitroaniline	ug/L	50	51.7	103	70-113	
4,6-Dinitro-2-methylphenol	ug/L	50	47.1	94	49-136	
4-Bromophenylphenyl ether	ug/L	50	52.4	105	70-130	
4-Chloro-3-methylphenol	ug/L	50	52.6	105	69-109	
4-Chloroaniline	ug/L	50	44.1	88	70-125	
4-Chlorophenylphenyl ether	ug/L	50	52.9	106	70-130	
4-Nitroaniline	ug/L	50	51.3	103	70-124	
4-Nitrophenol	ug/L	50	18.1	36	21-130	
Acenaphthene	ug/L	50	49.9	100	73-118	
Acenaphthylene	ug/L	50	50.4	101	70-120	
Anthracene	ug/L	50	57.4	115	70-130	
Benzo(a)anthracene	ug/L	50	46.1	92	70-130	
Benzo(a)pyrene	ug/L	50	44.4	89	73-106	
Benzo(b)fluoranthene	ug/L	50	45.2	90	68-130	
Benzo(g,h,i)perylene	ug/L	50	46.2	92	60-121	
Benzo(k)fluoranthene	ug/L	50	42.5	85	62-124	
bis(2-Chloroethoxy)methane	ug/L	50	50.2	100	70-130	
bis(2-Chloroethyl) ether	ug/L	50	46.1	92	65-130	
bis(2-Ethylhexyl)phthalate	ug/L	50	53.9	108	66-123	
Butylbenzylphthalate	ug/L	50	56.4	113	63-123	
Carbazole	ug/L	50	58.1	116	70-130	
Chrysene	ug/L	50	37.6	75	50-127	
Di-n-butylphthalate	ug/L	50	63.0	126	70-130	
Di-n-octylphthalate	ug/L	50	51.2	102	53-121	
Dibenz(a,h)anthracene	ug/L	50	30.7	61	10-130	
Dibenzofuran	ug/L	50	49.8	100	70-124	
Diethylphthalate	ug/L	50	60.2	120	70-130	
Dimethylphthalate	ug/L	50	58.3	117	70-130	
Fluoranthene	ug/L	50	58.4	117	75-118	
Fluorene	ug/L	50	53.7	107	70-130	
Hexachloro-1,3-butadiene	ug/L	50	49.4	99	57-100	
Hexachlorobenzene	ug/L	50	52.6	105	70-130	
Hexachlorocyclopentadiene	ug/L	50	20.0	40	19-75	
Hexachloroethane	ug/L	50	37.6	75	41-130	
Indeno(1,2,3-cd)pyrene	ug/L	50	46.5	93	43-122	
Isophorone	ug/L	50	49.2	98	70-130	
N-Nitroso-di-n-propylamine	ug/L	50	42.9	86	70-130	
N-Nitrosodiphenylamine	ug/L	50	52.3	105	83-129	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154484

LABORATORY CONTROL SAMPLE: 1553398

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	50	47.8	96	68-130	
Nitrobenzene	ug/L	50	47.1	94	70-130	
Pentachlorophenol	ug/L	50	50.6	101	57-121	
Phenanthrene	ug/L	50	53.1	106	70-124	
Phenol	ug/L	50	18.7	37	25-120	
Pyrene	ug/L	50	51.0	102	70-130	
2,4,6-Tribromophenol (S)	%			123	65-140	
2-Fluorobiphenyl (S)	%			92	59-109	
2-Fluorophenol (S)	%			60	27-67	
Nitrobenzene-d5 (S)	%			101	53-100	S0
Phenol-d6 (S)	%			37	18-120	
Terphenyl-d14 (S)	%			104	59-108	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1553399 1553400

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40154413004 Result	Spike Conc.	Spike Conc.	MS Result						
2,4-Dimethylphenol	ug/L	<1.2	50	52.1	22.4	21.0	45	40	10-85	7	50
2-Methylnaphthalene	ug/L	<1.5	50	52.1	48.1	53.7	96	103	58-130	11	22
3&4-Methylphenol(m&p Cresol)	ug/L	<1.5	50	52.1	31.4	30.7	63	59	21-95	2	45
Carbazole	ug/L	<0.72	50	52.1	55.4	61.9	111	119	68-130	11	22
Dibenzofuran	ug/L	<0.74	50	52.1	46.6	52.6	93	101	52-124	12	21
Phenol	ug/L	<0.58	50	52.1	15.6	18.4	31	35	16-120	17	24
2,4,6-Tribromophenol (S)	%						111	113	65-140		
2-Fluorobiphenyl (S)	%						88	94	59-109		
2-Fluorophenol (S)	%						51	50	27-67		
Nitrobenzene-d5 (S)	%						90	98	53-100		
Phenol-d6 (S)	%						32	36	18-120		
Terphenyl-d14 (S)	%						100	99	59-108		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: 0403363 KRAFT

Pace Project No.: 40154484

QC Batch:	263915	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40154484001, 40154484002		

SAMPLE DUPLICATE: 1553146

Parameter	Units	40154338010 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.4	14.6	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 0403363 KRAFT
Pace Project No.: 40154484

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

S0 Surrogate recovery outside laboratory control limits.

S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0403363 KRAFT
Pace Project No.: 40154484

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40154484001	SB-17 4-5 (SOIL)	EPA 3541	263888	EPA 8082	263889
40154484002	SB-16 2-2.5 (SOIL)	EPA 3541	263888	EPA 8082	263889
40154484001	SB-17 4-5 (SOIL)	EPA 3050	264216	EPA 6010	264378
40154484002	SB-16 2-2.5 (SOIL)	EPA 3050	264216	EPA 6010	264378
40154484003	SB-49-S (GW)	EPA 3010	264158	EPA 6010	264276
40154484004	SB-50-S (GW)	EPA 3010	264158	EPA 6010	264276
40154484005	SB-51-S (GW)	EPA 3010	264158	EPA 6010	264276
40154484006	SB-17-S (GW)	EPA 3010	264158	EPA 6010	264276
40154484003	SB-49-S (GW)	EPA 7470	264468	EPA 7470	264535
40154484004	SB-50-S (GW)	EPA 7470	264468	EPA 7470	264535
40154484005	SB-51-S (GW)	EPA 7470	264468	EPA 7470	264535
40154484006	SB-17-S (GW)	EPA 7470	264468	EPA 7470	264535
40154484001	SB-17 4-5 (SOIL)	EPA 7471	264417	EPA 7471	264456
40154484002	SB-16 2-2.5 (SOIL)	EPA 7471	264417	EPA 7471	264456
40154484001	SB-17 4-5 (SOIL)	EPA 3546	264438	EPA 8270	264489
40154484002	SB-16 2-2.5 (SOIL)	EPA 3546	264438	EPA 8270	264489
40154484003	SB-49-S (GW)	EPA 3510	263959	EPA 8270	264058
40154484004	SB-50-S (GW)	EPA 3510	263959	EPA 8270	264058
40154484005	SB-51-S (GW)	EPA 3510	263959	EPA 8270	264058
40154484006	SB-17-S (GW)	EPA 3510	263959	EPA 8270	264058
40154484001	SB-17 4-5 (SOIL)	EPA 5035/5030B	263759	EPA 8260	263765
40154484002	SB-16 2-2.5 (SOIL)	EPA 5035/5030B	263759	EPA 8260	263765
40154484003	SB-49-S (GW)	EPA 8260	263681		
40154484004	SB-50-S (GW)	EPA 8260	263681		
40154484005	SB-51-S (GW)	EPA 8260	263681		
40154484006	SB-17-S (GW)	EPA 8260	263681		
40154484007	TRIP BLANK	EPA 8260	263681		
40154484001	SB-17 4-5 (SOIL)	ASTM D2974-87	263915		
40154484002	SB-16 2-2.5 (SOIL)	ASTM D2974-87	263915		

REPORT OF LABORATORY ANALYSIS

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AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:

Company: **ERIN**
Address: _____
Email To: **Andrew, David @ERIN**
Phone: **612-738-7397** Fax: _____
Requested Due Date/AT: _____

Section B
Required Project Information:

Report To: **Andrew David**
Copy To: **David Delaney**
Purchase Order No.: _____
Project Name: **Kraft**
Project Number: **0403363**

Section C
Invoice Information:

Attention: _____
Company Name: _____
Address: _____
Pace Quote Reference: _____
Pace Project Manager/Sales Rep: _____
Pace Profile #: _____

27624

Page: 1 of 1

Program: _____
 UST Superfund Emissions Clean Air Act
 Voluntary Clean Up Dry Clean RCRA Other
 Location of Sampling by State: _____
 Reporting Units: ug/m³, mg/m³, PPMV, PPMV
 Report Level: I, II, III, IV, Other: _____

ITEM #	Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE TB 1.1C 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other Pm10	MEDIA CODE	PID Reading (Client only)	COLLECTED		Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:	Pace Lab ID
					DATE	TIME						
001	SB-17 4-5	(SOIL)	S	8/2/17	14:55							
002	SB-16 2-25	(SOIL)	S	8/2/17	13:40							
003	SB-44-5	(GW)	B	8/2	14:30							
004	SB-50-5	(GW)	B	8/2	15:00							
005	SB-51-5	(GW)	B	8/2	15:30							
006	SB-17-5	(GW)	B	8/2	16:10							
007	DIMP BRINK											

Comments:

OTrip Brink added
by IAD RMV 8/21/17

ORIGINAL

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
OS Logistics	8/11/17	10:00	Phewer CURR	8/11/17	10:00	Temp in °C: 3/2 Received on Ice: Y/N Custody Sealed Cooler: Y/N Samples Intact: Y/N

SAMPLER NAME AND SIGNATURE
 PRINT NAME OF SAMPLER: **PHILIP LESKIE**
 SIGNATURE OF SAMPLER: *[Signature]*
 DATE SIGNED (MM/DD/YYYY): **8/28/17**

Client Name: ERM

Project #:

WO#: **40154484**



40154484

Courier: Fed Ex UPS Client Pace Other: CS Logistics

Tracking #: 207 080317 / 207 080317

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used: 849 Type of Ice: Wet Blue Dry None

Cooler Temperature: Uncorr: 3/2 I.Corr: 3/2 Samples on ice, cooling process has begun

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 8/14/17
Initials: RMV

Field	Options	Comments
Chain of Custody Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. Trip blank added by lab RMV 8/14/17
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8. NO MS/MSD RMV 8/14/17
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. 001 ID SB-17-4-S (soil), 002 ID SB-16-2-2-S, 003 ID SB-49-S, 004 ID SB-50-S, 005 ID SB-91-S, 006 ID SB-17-S, 8-4-17-17
-Includes date/time/ID/Analysis Matrix: <u>S/W</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input checked="" type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 < 2; NaOH + ZnAct ≥ 9, NaOH ≥ 12) exceptions: (VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14. Initial when completed: <u>RMV</u> Lab Std #/ID of preservative: Date/Time:
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u># 383</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

Client Notification/ Resolution: Person Contacted: _____ Date/Time: _____ If checked, see attached form for additional comments

Project Manager Review: RMV for DM Date: 8/14/17

September 13, 2017

Andrew DeWitt
ERM, Inc.
3352 128th Avenue
Holland, MI 49424

RE: Project: 0403363
Pace Project No.: 40156346

Dear Andrew DeWitt:

Enclosed are the analytical results for sample(s) received by the laboratory on September 08, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Carl Stay, ERM, Inc.
David deCourcy-Bower, ERM, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0403363

Pace Project No.: 40156346

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 0403363

Pace Project No.: 40156346

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40156346001	SB-54	Water	09/07/17 10:25	09/08/17 09:45
40156346002	SB-55	Water	09/07/17 11:05	09/08/17 09:45
40156346003	SB-56	Water	09/07/17 11:36	09/08/17 09:45
40156346004	SB-57	Water	09/07/17 13:15	09/08/17 09:45
40156346005	SB-58	Water	09/07/17 13:50	09/08/17 09:45
40156346006	SB-59	Water	09/07/17 14:10	09/08/17 09:45
40156346007	SB-60	Water	09/07/17 14:45	09/08/17 09:45
40156346008	SB-61	Water	09/07/17 15:55	09/08/17 09:45
40156346009	SB-62	Water	09/07/17 16:25	09/08/17 09:45
40156346010	SB-63	Water	09/07/17 16:50	09/08/17 09:45

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SAMPLE ANALYTE COUNT

Project: 0403363
Pace Project No.: 40156346

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40156346001	SB-54	EPA 6010	DLB	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40156346002	SB-55	EPA 6010	DLB	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40156346003	SB-56	EPA 6010	DLB	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40156346004	SB-57	EPA 6010	DLB	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40156346005	SB-58	EPA 6010	DLB	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40156346006	SB-59	EPA 6010	DLB	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40156346007	SB-60	EPA 6010	DLB	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40156346008	SB-61	EPA 6010	DLB	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40156346009	SB-62	EPA 6010	DLB	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G
40156346010	SB-63	EPA 6010	DLB	1	PASI-G
		EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	LAP	64	PASI-G

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 0403363
Pace Project No.: 40156346

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40156346001	SB-54					
EPA 6010	Lead	1140	ug/L	65.0	09/12/17 12:22	P4
EPA 8270 by HVI	Acenaphthene	0.28	ug/L	0.032	09/11/17 13:42	
EPA 8270 by HVI	Acenaphthylene	0.021J	ug/L	0.026	09/11/17 13:42	
EPA 8270 by HVI	Anthracene	0.21	ug/L	0.055	09/11/17 13:42	
EPA 8270 by HVI	Benzo(a)anthracene	0.094	ug/L	0.040	09/11/17 13:42	
EPA 8270 by HVI	Benzo(a)pyrene	0.085	ug/L	0.055	09/11/17 13:42	
EPA 8270 by HVI	Benzo(b)fluoranthene	0.11	ug/L	0.030	09/11/17 13:42	
EPA 8270 by HVI	Benzo(g,h,i)perylene	0.044	ug/L	0.036	09/11/17 13:42	
EPA 8270 by HVI	Benzo(k)fluoranthene	0.044	ug/L	0.040	09/11/17 13:42	
EPA 8270 by HVI	Chrysene	0.091	ug/L	0.069	09/11/17 13:42	
EPA 8270 by HVI	Dibenz(a,h)anthracene	0.015J	ug/L	0.053	09/11/17 13:42	
EPA 8270 by HVI	Fluoranthene	0.30	ug/L	0.056	09/11/17 13:42	L1
EPA 8270 by HVI	Fluorene	0.41	ug/L	0.042	09/11/17 13:42	
EPA 8270 by HVI	Indeno(1,2,3-cd)pyrene	0.050J	ug/L	0.093	09/11/17 13:42	
EPA 8270 by HVI	1-Methylnaphthalene	0.24	ug/L	0.031	09/11/17 13:42	
EPA 8270 by HVI	2-Methylnaphthalene	0.26	ug/L	0.026	09/11/17 13:42	
EPA 8270 by HVI	Naphthalene	1.2	ug/L	0.096	09/11/17 13:42	
EPA 8270 by HVI	Phenanthrene	0.75	ug/L	0.073	09/11/17 13:42	
EPA 8270 by HVI	Pyrene	0.23	ug/L	0.040	09/11/17 13:42	
EPA 8260	cis-1,2-Dichloroethene	1.1	ug/L	1.0	09/11/17 18:22	
EPA 8260	Naphthalene	2.6J	ug/L	5.0	09/11/17 18:22	
40156346002	SB-55					
EPA 6010	Lead	956	ug/L	65.0	09/12/17 12:24	
EPA 8270 by HVI	Acenaphthene	0.016J	ug/L	0.030	09/11/17 14:01	
EPA 8270 by HVI	Benzo(a)anthracene	0.018J	ug/L	0.037	09/11/17 14:01	
EPA 8270 by HVI	Benzo(a)pyrene	0.012J	ug/L	0.052	09/11/17 14:01	
EPA 8270 by HVI	Benzo(b)fluoranthene	0.016J	ug/L	0.028	09/11/17 14:01	
EPA 8270 by HVI	Benzo(g,h,i)perylene	0.010J	ug/L	0.034	09/11/17 14:01	
EPA 8270 by HVI	Chrysene	0.015J	ug/L	0.065	09/11/17 14:01	
EPA 8270 by HVI	Fluoranthene	0.034J	ug/L	0.053	09/11/17 14:01	L1
EPA 8270 by HVI	Fluorene	0.011J	ug/L	0.039	09/11/17 14:01	
EPA 8270 by HVI	1-Methylnaphthalene	1.6	ug/L	0.029	09/11/17 14:01	
EPA 8270 by HVI	2-Methylnaphthalene	2.1	ug/L	0.024	09/11/17 14:01	
EPA 8270 by HVI	Naphthalene	17.2	ug/L	0.091	09/11/17 14:01	
EPA 8270 by HVI	Phenanthrene	0.034J	ug/L	0.068	09/11/17 14:01	
EPA 8270 by HVI	Pyrene	0.032J	ug/L	0.038	09/11/17 14:01	
EPA 8260	Benzene	36.6	ug/L	1.0	09/12/17 07:46	
EPA 8260	n-Butylbenzene	1.1	ug/L	1.0	09/12/17 07:46	
EPA 8260	cis-1,2-Dichloroethene	2.4	ug/L	1.0	09/12/17 07:46	
EPA 8260	Ethylbenzene	2.9	ug/L	1.0	09/12/17 07:46	
EPA 8260	Isopropylbenzene (Cumene)	3.7	ug/L	1.0	09/12/17 07:46	
EPA 8260	Naphthalene	32.8	ug/L	5.0	09/12/17 07:46	
EPA 8260	n-Propylbenzene	10.1	ug/L	1.0	09/12/17 07:46	
EPA 8260	Toluene	1.3	ug/L	1.0	09/12/17 07:46	
EPA 8260	1,2,4-Trimethylbenzene	1.0	ug/L	1.0	09/12/17 07:46	
EPA 8260	1,3,5-Trimethylbenzene	0.60J	ug/L	1.0	09/12/17 07:46	
EPA 8260	m&p-Xylene	6.6	ug/L	2.0	09/12/17 07:46	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 0403363
Pace Project No.: 40156346

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40156346002	SB-55					
EPA 8260	o-Xylene	0.61J	ug/L	1.0	09/12/17 07:46	
40156346003	SB-56					
EPA 6010	Lead	19.7	ug/L	13.0	09/12/17 12:14	
EPA 8270 by HVI	Acenaphthene	0.049	ug/L	0.028	09/11/17 14:19	
EPA 8270 by HVI	Benzo(a)anthracene	0.011J	ug/L	0.035	09/11/17 14:19	
EPA 8270 by HVI	Benzo(b)fluoranthene	0.0090J	ug/L	0.027	09/11/17 14:19	
EPA 8270 by HVI	Fluoranthene	0.028J	ug/L	0.050	09/11/17 14:19	L1
EPA 8270 by HVI	Fluorene	0.016J	ug/L	0.037	09/11/17 14:19	
EPA 8270 by HVI	1-Methylnaphthalene	0.025J	ug/L	0.028	09/11/17 14:19	
EPA 8270 by HVI	2-Methylnaphthalene	0.032	ug/L	0.023	09/11/17 14:19	
EPA 8270 by HVI	Naphthalene	0.042J	ug/L	0.086	09/11/17 14:19	
EPA 8270 by HVI	Phenanthrene	0.038J	ug/L	0.064	09/11/17 14:19	
EPA 8270 by HVI	Pyrene	0.022J	ug/L	0.036	09/11/17 14:19	
40156346004	SB-57					
EPA 6010	Lead	154	ug/L	13.0	09/12/17 12:27	
EPA 8270 by HVI	Acenaphthene	0.023J	ug/L	0.029	09/11/17 14:38	
EPA 8270 by HVI	Benzo(a)anthracene	0.023J	ug/L	0.036	09/11/17 14:38	
EPA 8270 by HVI	Benzo(a)pyrene	0.019J	ug/L	0.051	09/11/17 14:38	
EPA 8270 by HVI	Benzo(b)fluoranthene	0.023J	ug/L	0.028	09/11/17 14:38	
EPA 8270 by HVI	Benzo(g,h,i)perylene	0.013J	ug/L	0.033	09/11/17 14:38	
EPA 8270 by HVI	Benzo(k)fluoranthene	0.011J	ug/L	0.036	09/11/17 14:38	
EPA 8270 by HVI	Chrysene	0.021J	ug/L	0.063	09/11/17 14:38	
EPA 8270 by HVI	Fluoranthene	0.038J	ug/L	0.051	09/11/17 14:38	L1
EPA 8270 by HVI	Fluorene	0.010J	ug/L	0.038	09/11/17 14:38	
EPA 8270 by HVI	1-Methylnaphthalene	0.014J	ug/L	0.028	09/11/17 14:38	
EPA 8270 by HVI	2-Methylnaphthalene	0.014J	ug/L	0.024	09/11/17 14:38	
EPA 8270 by HVI	Naphthalene	0.030J	ug/L	0.088	09/11/17 14:38	
EPA 8270 by HVI	Phenanthrene	0.033J	ug/L	0.066	09/11/17 14:38	
EPA 8270 by HVI	Pyrene	0.041	ug/L	0.037	09/11/17 14:38	
40156346005	SB-58					
EPA 6010	Lead	130	ug/L	13.0	09/12/17 12:34	
EPA 8270 by HVI	Acenaphthene	0.013J	ug/L	0.029	09/11/17 14:56	
EPA 8270 by HVI	Fluoranthene	0.012J	ug/L	0.050	09/11/17 14:56	L1
EPA 8270 by HVI	1-Methylnaphthalene	0.012J	ug/L	0.028	09/11/17 14:56	
EPA 8270 by HVI	2-Methylnaphthalene	0.014J	ug/L	0.023	09/11/17 14:56	
EPA 8270 by HVI	Naphthalene	0.028J	ug/L	0.086	09/11/17 14:56	
EPA 8270 by HVI	Phenanthrene	0.024J	ug/L	0.065	09/11/17 14:56	
EPA 8270 by HVI	Pyrene	0.0082J	ug/L	0.036	09/11/17 14:56	
40156346006	SB-59					
EPA 6010	Lead	163	ug/L	13.0	09/12/17 12:37	
EPA 8270 by HVI	Acenaphthene	0.21J	ug/L	0.84	09/11/17 18:37	
EPA 8270 by HVI	1-Methylnaphthalene	41.6	ug/L	0.82	09/11/17 18:37	
EPA 8270 by HVI	2-Methylnaphthalene	74.5	ug/L	0.68	09/11/17 18:37	
EPA 8270 by HVI	Naphthalene	307	ug/L	2.5	09/11/17 18:37	
EPA 8260	Benzene	6.9J	ug/L	10.0	09/12/17 08:30	

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SUMMARY OF DETECTION

Project: 0403363
Pace Project No.: 40156346

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40156346006	SB-59					
EPA 8260	n-Butylbenzene	24.2	ug/L	10.0	09/12/17 08:30	
EPA 8260	Ethylbenzene	172	ug/L	10.0	09/12/17 08:30	
EPA 8260	Isopropylbenzene (Cumene)	96.2	ug/L	10.0	09/12/17 08:30	
EPA 8260	p-Isopropyltoluene	7.6J	ug/L	10.0	09/12/17 08:30	
EPA 8260	Naphthalene	486	ug/L	50.0	09/12/17 08:30	
EPA 8260	n-Propylbenzene	304	ug/L	10.0	09/12/17 08:30	
EPA 8260	Toluene	13.3	ug/L	10.0	09/12/17 08:30	
EPA 8260	1,3,5-Trimethylbenzene	85.9	ug/L	10.0	09/12/17 08:30	
EPA 8260	m&p-Xylene	521	ug/L	20.0	09/12/17 08:30	
EPA 8260	o-Xylene	10.1	ug/L	10.0	09/12/17 08:30	
40156346007	SB-60					
EPA 6010	Lead	358	ug/L	13.0	09/12/17 12:39	
EPA 8270 by HVI	Acenaphthene	0.032	ug/L	0.028	09/11/17 15:15	
EPA 8270 by HVI	Benzo(a)anthracene	0.0076J	ug/L	0.035	09/11/17 15:15	
EPA 8270 by HVI	Fluoranthene	0.017J	ug/L	0.050	09/11/17 15:15	L1
EPA 8270 by HVI	Fluorene	0.013J	ug/L	0.037	09/11/17 15:15	
EPA 8270 by HVI	1-Methylnaphthalene	0.38	ug/L	0.028	09/11/17 15:15	
EPA 8270 by HVI	2-Methylnaphthalene	0.21	ug/L	0.023	09/11/17 15:15	
EPA 8270 by HVI	Naphthalene	1.7	ug/L	0.086	09/11/17 15:15	
EPA 8270 by HVI	Phenanthrene	0.020J	ug/L	0.064	09/11/17 15:15	
EPA 8270 by HVI	Pyrene	0.013J	ug/L	0.036	09/11/17 15:15	
EPA 8260	Ethylbenzene	0.99J	ug/L	1.0	09/11/17 17:38	
EPA 8260	Isopropylbenzene (Cumene)	5.8	ug/L	1.0	09/11/17 17:38	
EPA 8260	Naphthalene	2.6J	ug/L	5.0	09/11/17 17:38	
EPA 8260	n-Propylbenzene	15.1	ug/L	1.0	09/11/17 17:38	
EPA 8260	1,3,5-Trimethylbenzene	3.3	ug/L	1.0	09/11/17 17:38	
40156346008	SB-61					
EPA 6010	Lead	219	ug/L	13.0	09/12/17 12:42	
EPA 8270 by HVI	Acenaphthene	0.022J	ug/L	0.029	09/11/17 15:33	
EPA 8270 by HVI	Anthracene	0.014J	ug/L	0.050	09/11/17 15:33	
EPA 8270 by HVI	Benzo(a)anthracene	0.0074J	ug/L	0.036	09/11/17 15:33	
EPA 8270 by HVI	Fluoranthene	0.020J	ug/L	0.051	09/11/17 15:33	L1
EPA 8270 by HVI	Fluorene	0.013J	ug/L	0.038	09/11/17 15:33	
EPA 8270 by HVI	1-Methylnaphthalene	0.026J	ug/L	0.028	09/11/17 15:33	
EPA 8270 by HVI	2-Methylnaphthalene	0.014J	ug/L	0.023	09/11/17 15:33	
EPA 8270 by HVI	Naphthalene	1.3	ug/L	0.087	09/11/17 15:33	
EPA 8270 by HVI	Phenanthrene	0.027J	ug/L	0.066	09/11/17 15:33	
EPA 8270 by HVI	Pyrene	0.082	ug/L	0.036	09/11/17 15:33	
EPA 8260	Benzene	19.5	ug/L	2.0	09/11/17 19:28	
EPA 8260	Ethylbenzene	26.0	ug/L	2.0	09/11/17 19:28	
EPA 8260	Isopropylbenzene (Cumene)	12.8	ug/L	2.0	09/11/17 19:28	
EPA 8260	n-Propylbenzene	11.9	ug/L	2.0	09/11/17 19:28	
EPA 8260	Toluene	12.9	ug/L	2.0	09/11/17 19:28	
EPA 8260	1,2,4-Trimethylbenzene	54.5	ug/L	2.0	09/11/17 19:28	
EPA 8260	1,3,5-Trimethylbenzene	22.5	ug/L	2.0	09/11/17 19:28	
EPA 8260	m&p-Xylene	510	ug/L	4.0	09/11/17 19:28	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 0403363
Pace Project No.: 40156346

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40156346008	SB-61					
EPA 8260	o-Xylene	16.0	ug/L	2.0	09/11/17 19:28	
40156346009	SB-62					
EPA 6010	Lead	479	ug/L	26.0	09/12/17 13:17	
EPA 8270 by HVI	Acenaphthene	0.023J	ug/L	0.029	09/11/17 15:51	
EPA 8270 by HVI	Anthracene	0.019J	ug/L	0.051	09/11/17 15:51	
EPA 8270 by HVI	Benzo(a)anthracene	0.011J	ug/L	0.037	09/11/17 15:51	
EPA 8270 by HVI	Fluoranthene	0.032J	ug/L	0.052	09/11/17 15:51	L1
EPA 8270 by HVI	Fluorene	0.022J	ug/L	0.039	09/11/17 15:51	
EPA 8270 by HVI	1-Methylnaphthalene	0.020J	ug/L	0.029	09/11/17 15:51	
EPA 8270 by HVI	2-Methylnaphthalene	0.013J	ug/L	0.024	09/11/17 15:51	
EPA 8270 by HVI	Phenanthrene	0.094	ug/L	0.067	09/11/17 15:51	
EPA 8270 by HVI	Pyrene	0.12	ug/L	0.037	09/11/17 15:51	
40156346010	SB-63					
EPA 6010	Lead	495	ug/L	26.0	09/12/17 13:19	
EPA 8270 by HVI	Acenaphthene	0.0082J	ug/L	0.029	09/11/17 16:10	
EPA 8270 by HVI	1-Methylnaphthalene	0.014J	ug/L	0.029	09/11/17 16:10	
EPA 8270 by HVI	2-Methylnaphthalene	0.0092J	ug/L	0.024	09/11/17 16:10	
EPA 8270 by HVI	Naphthalene	0.041J	ug/L	0.089	09/11/17 16:10	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0403363
Pace Project No.: 40156346

Sample: SB-54 **Lab ID: 40156346001** Collected: 09/07/17 10:25 Received: 09/08/17 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	1140	ug/L	65.0	21.6	5	09/11/17 10:24	09/12/17 12:22	7439-92-1	P4
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	0.28	ug/L	0.032	0.0064	1	09/11/17 08:09	09/11/17 13:42	83-32-9	
Acenaphthylene	0.021J	ug/L	0.026	0.0052	1	09/11/17 08:09	09/11/17 13:42	208-96-8	
Anthracene	0.21	ug/L	0.055	0.011	1	09/11/17 08:09	09/11/17 13:42	120-12-7	
Benzo(a)anthracene	0.094	ug/L	0.040	0.0079	1	09/11/17 08:09	09/11/17 13:42	56-55-3	
Benzo(a)pyrene	0.085	ug/L	0.055	0.011	1	09/11/17 08:09	09/11/17 13:42	50-32-8	
Benzo(b)fluoranthene	0.11	ug/L	0.030	0.0060	1	09/11/17 08:09	09/11/17 13:42	205-99-2	
Benzo(g,h,i)perylene	0.044	ug/L	0.036	0.0071	1	09/11/17 08:09	09/11/17 13:42	191-24-2	
Benzo(k)fluoranthene	0.044	ug/L	0.040	0.0079	1	09/11/17 08:09	09/11/17 13:42	207-08-9	
Chrysene	0.091	ug/L	0.069	0.014	1	09/11/17 08:09	09/11/17 13:42	218-01-9	
Dibenz(a,h)anthracene	0.015J	ug/L	0.053	0.011	1	09/11/17 08:09	09/11/17 13:42	53-70-3	
Fluoranthene	0.30	ug/L	0.056	0.011	1	09/11/17 08:09	09/11/17 13:42	206-44-0	L1
Fluorene	0.41	ug/L	0.042	0.0084	1	09/11/17 08:09	09/11/17 13:42	86-73-7	
Indeno(1,2,3-cd)pyrene	0.050J	ug/L	0.093	0.019	1	09/11/17 08:09	09/11/17 13:42	193-39-5	
1-Methylnaphthalene	0.24	ug/L	0.031	0.0062	1	09/11/17 08:09	09/11/17 13:42	90-12-0	
2-Methylnaphthalene	0.26	ug/L	0.026	0.0052	1	09/11/17 08:09	09/11/17 13:42	91-57-6	
Naphthalene	1.2	ug/L	0.096	0.019	1	09/11/17 08:09	09/11/17 13:42	91-20-3	
Phenanthrene	0.75	ug/L	0.073	0.015	1	09/11/17 08:09	09/11/17 13:42	85-01-8	
Pyrene	0.23	ug/L	0.040	0.0081	1	09/11/17 08:09	09/11/17 13:42	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	59	%	35-84		1	09/11/17 08:09	09/11/17 13:42	321-60-8	
Terphenyl-d14 (S)	69	%	10-129		1	09/11/17 08:09	09/11/17 13:42	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/11/17 18:22	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/11/17 18:22	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/11/17 18:22	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/11/17 18:22	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/11/17 18:22	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/11/17 18:22	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/11/17 18:22	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/11/17 18:22	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/11/17 18:22	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/11/17 18:22	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/11/17 18:22	74-95-3	

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ANALYTICAL RESULTS

Project: 0403363
Pace Project No.: 40156346

Sample: SB-54 **Lab ID: 40156346001** Collected: 09/07/17 10:25 Received: 09/08/17 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/11/17 18:22	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/11/17 18:22	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/11/17 18:22	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/11/17 18:22	75-35-4	
cis-1,2-Dichloroethene	1.1	ug/L	1.0	0.26	1		09/11/17 18:22	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/11/17 18:22	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/11/17 18:22	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/11/17 18:22	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/11/17 18:22	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/11/17 18:22	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/11/17 18:22	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/11/17 18:22	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/11/17 18:22	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/11/17 18:22	1634-04-4	
Naphthalene	2.6J	ug/L	5.0	2.5	1		09/11/17 18:22	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/11/17 18:22	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/11/17 18:22	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/11/17 18:22	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/11/17 18:22	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/11/17 18:22	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/11/17 18:22	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/11/17 18:22	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/11/17 18:22	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/11/17 18:22	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	61-130		1		09/11/17 18:22	460-00-4	pH
Dibromofluoromethane (S)	107	%	67-130		1		09/11/17 18:22	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		09/11/17 18:22	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363
Pace Project No.: 40156346

Sample: SB-55 **Lab ID: 40156346002** Collected: 09/07/17 11:05 Received: 09/08/17 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	956	ug/L	65.0	21.6	5	09/11/17 10:24	09/12/17 12:24	7439-92-1	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	0.016J	ug/L	0.030	0.0060	1	09/11/17 08:09	09/11/17 14:01	83-32-9	
Acenaphthylene	<0.0049	ug/L	0.025	0.0049	1	09/11/17 08:09	09/11/17 14:01	208-96-8	
Anthracene	<0.010	ug/L	0.052	0.010	1	09/11/17 08:09	09/11/17 14:01	120-12-7	
Benzo(a)anthracene	0.018J	ug/L	0.037	0.0075	1	09/11/17 08:09	09/11/17 14:01	56-55-3	
Benzo(a)pyrene	0.012J	ug/L	0.052	0.010	1	09/11/17 08:09	09/11/17 14:01	50-32-8	
Benzo(b)fluoranthene	0.016J	ug/L	0.028	0.0057	1	09/11/17 08:09	09/11/17 14:01	205-99-2	
Benzo(g,h,i)perylene	0.010J	ug/L	0.034	0.0067	1	09/11/17 08:09	09/11/17 14:01	191-24-2	
Benzo(k)fluoranthene	<0.0075	ug/L	0.037	0.0075	1	09/11/17 08:09	09/11/17 14:01	207-08-9	
Chrysene	0.015J	ug/L	0.065	0.013	1	09/11/17 08:09	09/11/17 14:01	218-01-9	
Dibenz(a,h)anthracene	<0.0099	ug/L	0.050	0.0099	1	09/11/17 08:09	09/11/17 14:01	53-70-3	
Fluoranthene	0.034J	ug/L	0.053	0.011	1	09/11/17 08:09	09/11/17 14:01	206-44-0	L1
Fluorene	0.011J	ug/L	0.039	0.0079	1	09/11/17 08:09	09/11/17 14:01	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.087	0.017	1	09/11/17 08:09	09/11/17 14:01	193-39-5	
1-Methylnaphthalene	1.6	ug/L	0.029	0.0058	1	09/11/17 08:09	09/11/17 14:01	90-12-0	
2-Methylnaphthalene	2.1	ug/L	0.024	0.0049	1	09/11/17 08:09	09/11/17 14:01	91-57-6	
Naphthalene	17.2	ug/L	0.091	0.018	1	09/11/17 08:09	09/11/17 14:01	91-20-3	
Phenanthrene	0.034J	ug/L	0.068	0.014	1	09/11/17 08:09	09/11/17 14:01	85-01-8	
Pyrene	0.032J	ug/L	0.038	0.0076	1	09/11/17 08:09	09/11/17 14:01	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	53	%	35-84		1	09/11/17 08:09	09/11/17 14:01	321-60-8	
Terphenyl-d14 (S)	54	%	10-129		1	09/11/17 08:09	09/11/17 14:01	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	36.6	ug/L	1.0	0.50	1		09/12/17 07:46	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/12/17 07:46	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/12/17 07:46	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/12/17 07:46	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/12/17 07:46	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/12/17 07:46	74-83-9	
n-Butylbenzene	1.1	ug/L	1.0	0.50	1		09/12/17 07:46	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/12/17 07:46	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/12/17 07:46	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/12/17 07:46	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:46	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/12/17 07:46	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/12/17 07:46	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/12/17 07:46	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:46	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/12/17 07:46	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/12/17 07:46	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/12/17 07:46	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/12/17 07:46	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/12/17 07:46	74-95-3	

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ANALYTICAL RESULTS

Project: 0403363
Pace Project No.: 40156346

Sample: SB-55 **Lab ID: 40156346002** Collected: 09/07/17 11:05 Received: 09/08/17 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:46	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:46	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:46	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/12/17 07:46	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/12/17 07:46	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/12/17 07:46	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/12/17 07:46	75-35-4	
cis-1,2-Dichloroethene	2.4	ug/L	1.0	0.26	1		09/12/17 07:46	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/12/17 07:46	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/12/17 07:46	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/12/17 07:46	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/12/17 07:46	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/12/17 07:46	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:46	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/12/17 07:46	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/12/17 07:46	108-20-3	
Ethylbenzene	2.9	ug/L	1.0	0.50	1		09/12/17 07:46	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/12/17 07:46	87-68-3	
Isopropylbenzene (Cumene)	3.7	ug/L	1.0	0.14	1		09/12/17 07:46	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:46	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/12/17 07:46	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/12/17 07:46	1634-04-4	
Naphthalene	32.8	ug/L	5.0	2.5	1		09/12/17 07:46	91-20-3	
n-Propylbenzene	10.1	ug/L	1.0	0.50	1		09/12/17 07:46	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:46	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/12/17 07:46	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/12/17 07:46	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:46	127-18-4	
Toluene	1.3	ug/L	1.0	0.50	1		09/12/17 07:46	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/12/17 07:46	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/12/17 07:46	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/12/17 07:46	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/12/17 07:46	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/12/17 07:46	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/12/17 07:46	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/12/17 07:46	96-18-4	
1,2,4-Trimethylbenzene	1.0	ug/L	1.0	0.50	1		09/12/17 07:46	95-63-6	
1,3,5-Trimethylbenzene	0.60J	ug/L	1.0	0.50	1		09/12/17 07:46	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/12/17 07:46	75-01-4	
m&p-Xylene	6.6	ug/L	2.0	1.0	1		09/12/17 07:46	179601-23-1	
o-Xylene	0.61J	ug/L	1.0	0.50	1		09/12/17 07:46	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		1		09/12/17 07:46	460-00-4	pH
Dibromofluoromethane (S)	106	%	67-130		1		09/12/17 07:46	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		09/12/17 07:46	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363
Pace Project No.: 40156346

Sample: SB-56 **Lab ID: 40156346003** Collected: 09/07/17 11:36 Received: 09/08/17 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	19.7	ug/L	13.0	4.3	1	09/11/17 10:24	09/12/17 12:14	7439-92-1	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	0.049	ug/L	0.028	0.0057	1	09/11/17 08:09	09/11/17 14:19	83-32-9	
Acenaphthylene	<0.0047	ug/L	0.023	0.0047	1	09/11/17 08:09	09/11/17 14:19	208-96-8	
Anthracene	<0.0098	ug/L	0.049	0.0098	1	09/11/17 08:09	09/11/17 14:19	120-12-7	
Benzo(a)anthracene	0.011J	ug/L	0.035	0.0071	1	09/11/17 08:09	09/11/17 14:19	56-55-3	
Benzo(a)pyrene	<0.0098	ug/L	0.049	0.0098	1	09/11/17 08:09	09/11/17 14:19	50-32-8	
Benzo(b)fluoranthene	0.0090J	ug/L	0.027	0.0054	1	09/11/17 08:09	09/11/17 14:19	205-99-2	
Benzo(g,h,i)perylene	<0.0063	ug/L	0.032	0.0063	1	09/11/17 08:09	09/11/17 14:19	191-24-2	
Benzo(k)fluoranthene	<0.0071	ug/L	0.035	0.0071	1	09/11/17 08:09	09/11/17 14:19	207-08-9	
Chrysene	<0.012	ug/L	0.061	0.012	1	09/11/17 08:09	09/11/17 14:19	218-01-9	
Dibenz(a,h)anthracene	<0.0094	ug/L	0.047	0.0094	1	09/11/17 08:09	09/11/17 14:19	53-70-3	
Fluoranthene	0.028J	ug/L	0.050	0.010	1	09/11/17 08:09	09/11/17 14:19	206-44-0	L1
Fluorene	0.016J	ug/L	0.037	0.0074	1	09/11/17 08:09	09/11/17 14:19	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.082	0.016	1	09/11/17 08:09	09/11/17 14:19	193-39-5	
1-Methylnaphthalene	0.025J	ug/L	0.028	0.0055	1	09/11/17 08:09	09/11/17 14:19	90-12-0	
2-Methylnaphthalene	0.032	ug/L	0.023	0.0046	1	09/11/17 08:09	09/11/17 14:19	91-57-6	
Naphthalene	0.042J	ug/L	0.086	0.017	1	09/11/17 08:09	09/11/17 14:19	91-20-3	
Phenanthrene	0.038J	ug/L	0.064	0.013	1	09/11/17 08:09	09/11/17 14:19	85-01-8	
Pyrene	0.022J	ug/L	0.036	0.0071	1	09/11/17 08:09	09/11/17 14:19	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	54	%	35-84		1	09/11/17 08:09	09/11/17 14:19	321-60-8	
Terphenyl-d14 (S)	57	%	10-129		1	09/11/17 08:09	09/11/17 14:19	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/11/17 18:44	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/11/17 18:44	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/11/17 18:44	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/11/17 18:44	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/11/17 18:44	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/11/17 18:44	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/11/17 18:44	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/11/17 18:44	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/11/17 18:44	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/11/17 18:44	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/11/17 18:44	74-95-3	

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ANALYTICAL RESULTS

Project: 0403363
Pace Project No.: 40156346

Sample: SB-56 **Lab ID: 40156346003** Collected: 09/07/17 11:36 Received: 09/08/17 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/11/17 18:44	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/11/17 18:44	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/11/17 18:44	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/11/17 18:44	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/11/17 18:44	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/11/17 18:44	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/11/17 18:44	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/11/17 18:44	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/11/17 18:44	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/11/17 18:44	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/11/17 18:44	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/11/17 18:44	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/11/17 18:44	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/11/17 18:44	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/11/17 18:44	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/11/17 18:44	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/11/17 18:44	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/11/17 18:44	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/11/17 18:44	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/11/17 18:44	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/11/17 18:44	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/11/17 18:44	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/11/17 18:44	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/11/17 18:44	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	61-130		1		09/11/17 18:44	460-00-4	
Dibromofluoromethane (S)	105	%	67-130		1		09/11/17 18:44	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		09/11/17 18:44	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363
Pace Project No.: 40156346

Sample: SB-57 **Lab ID: 40156346004** Collected: 09/07/17 13:15 Received: 09/08/17 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	154	ug/L	13.0	4.3	1	09/11/17 10:24	09/12/17 12:27	7439-92-1	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	0.023J	ug/L	0.029	0.0058	1	09/11/17 08:09	09/11/17 14:38	83-32-9	
Acenaphthylene	<0.0048	ug/L	0.024	0.0048	1	09/11/17 08:09	09/11/17 14:38	208-96-8	
Anthracene	<0.010	ug/L	0.050	0.010	1	09/11/17 08:09	09/11/17 14:38	120-12-7	
Benzo(a)anthracene	0.023J	ug/L	0.036	0.0073	1	09/11/17 08:09	09/11/17 14:38	56-55-3	
Benzo(a)pyrene	0.019J	ug/L	0.051	0.010	1	09/11/17 08:09	09/11/17 14:38	50-32-8	
Benzo(b)fluoranthene	0.023J	ug/L	0.028	0.0055	1	09/11/17 08:09	09/11/17 14:38	205-99-2	
Benzo(g,h,i)perylene	0.013J	ug/L	0.033	0.0065	1	09/11/17 08:09	09/11/17 14:38	191-24-2	
Benzo(k)fluoranthene	0.011J	ug/L	0.036	0.0073	1	09/11/17 08:09	09/11/17 14:38	207-08-9	
Chrysene	0.021J	ug/L	0.063	0.013	1	09/11/17 08:09	09/11/17 14:38	218-01-9	
Dibenz(a,h)anthracene	<0.0096	ug/L	0.048	0.0096	1	09/11/17 08:09	09/11/17 14:38	53-70-3	
Fluoranthene	0.038J	ug/L	0.051	0.010	1	09/11/17 08:09	09/11/17 14:38	206-44-0	L1
Fluorene	0.010J	ug/L	0.038	0.0077	1	09/11/17 08:09	09/11/17 14:38	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.085	0.017	1	09/11/17 08:09	09/11/17 14:38	193-39-5	
1-Methylnaphthalene	0.014J	ug/L	0.028	0.0057	1	09/11/17 08:09	09/11/17 14:38	90-12-0	
2-Methylnaphthalene	0.014J	ug/L	0.024	0.0047	1	09/11/17 08:09	09/11/17 14:38	91-57-6	
Naphthalene	0.030J	ug/L	0.088	0.018	1	09/11/17 08:09	09/11/17 14:38	91-20-3	
Phenanthrene	0.033J	ug/L	0.066	0.013	1	09/11/17 08:09	09/11/17 14:38	85-01-8	
Pyrene	0.041	ug/L	0.037	0.0074	1	09/11/17 08:09	09/11/17 14:38	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	43	%	35-84		1	09/11/17 08:09	09/11/17 14:38	321-60-8	
Terphenyl-d14 (S)	27	%	10-129		1	09/11/17 08:09	09/11/17 14:38	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/12/17 08:08	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/12/17 08:08	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/12/17 08:08	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/12/17 08:08	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/12/17 08:08	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/12/17 08:08	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/12/17 08:08	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/12/17 08:08	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/12/17 08:08	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/12/17 08:08	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/12/17 08:08	74-95-3	

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ANALYTICAL RESULTS

Project: 0403363
Pace Project No.: 40156346

Sample: SB-57 **Lab ID: 40156346004** Collected: 09/07/17 13:15 Received: 09/08/17 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/12/17 08:08	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/12/17 08:08	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/12/17 08:08	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/12/17 08:08	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/12/17 08:08	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/12/17 08:08	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/12/17 08:08	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/12/17 08:08	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/12/17 08:08	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/12/17 08:08	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/12/17 08:08	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/12/17 08:08	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/12/17 08:08	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/12/17 08:08	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/12/17 08:08	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/12/17 08:08	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/12/17 08:08	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/12/17 08:08	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/12/17 08:08	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/12/17 08:08	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/12/17 08:08	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/12/17 08:08	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/12/17 08:08	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/12/17 08:08	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		09/12/17 08:08	460-00-4	
Dibromofluoromethane (S)	107	%	67-130		1		09/12/17 08:08	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		09/12/17 08:08	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363
Pace Project No.: 40156346

Sample: SB-58 **Lab ID: 40156346005** Collected: 09/07/17 13:50 Received: 09/08/17 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	130	ug/L	13.0	4.3	1	09/11/17 10:24	09/12/17 12:34	7439-92-1	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	0.013J	ug/L	0.029	0.0057	1	09/11/17 08:09	09/11/17 14:56	83-32-9	
Acenaphthylene	<0.0047	ug/L	0.023	0.0047	1	09/11/17 08:09	09/11/17 14:56	208-96-8	
Anthracene	<0.0099	ug/L	0.049	0.0099	1	09/11/17 08:09	09/11/17 14:56	120-12-7	
Benzo(a)anthracene	<0.0071	ug/L	0.036	0.0071	1	09/11/17 08:09	09/11/17 14:56	56-55-3	
Benzo(a)pyrene	<0.0099	ug/L	0.050	0.0099	1	09/11/17 08:09	09/11/17 14:56	50-32-8	
Benzo(b)fluoranthene	<0.0054	ug/L	0.027	0.0054	1	09/11/17 08:09	09/11/17 14:56	205-99-2	
Benzo(g,h,i)perylene	<0.0064	ug/L	0.032	0.0064	1	09/11/17 08:09	09/11/17 14:56	191-24-2	
Benzo(k)fluoranthene	<0.0071	ug/L	0.036	0.0071	1	09/11/17 08:09	09/11/17 14:56	207-08-9	
Chrysene	<0.012	ug/L	0.062	0.012	1	09/11/17 08:09	09/11/17 14:56	218-01-9	
Dibenz(a,h)anthracene	<0.0095	ug/L	0.047	0.0095	1	09/11/17 08:09	09/11/17 14:56	53-70-3	
Fluoranthene	0.012J	ug/L	0.050	0.010	1	09/11/17 08:09	09/11/17 14:56	206-44-0	L1
Fluorene	<0.0075	ug/L	0.038	0.0075	1	09/11/17 08:09	09/11/17 14:56	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.083	0.017	1	09/11/17 08:09	09/11/17 14:56	193-39-5	
1-Methylnaphthalene	0.012J	ug/L	0.028	0.0056	1	09/11/17 08:09	09/11/17 14:56	90-12-0	
2-Methylnaphthalene	0.014J	ug/L	0.023	0.0046	1	09/11/17 08:09	09/11/17 14:56	91-57-6	
Naphthalene	0.028J	ug/L	0.086	0.017	1	09/11/17 08:09	09/11/17 14:56	91-20-3	
Phenanthrene	0.024J	ug/L	0.065	0.013	1	09/11/17 08:09	09/11/17 14:56	85-01-8	
Pyrene	0.0082J	ug/L	0.036	0.0072	1	09/11/17 08:09	09/11/17 14:56	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	46	%	35-84		1	09/11/17 08:09	09/11/17 14:56	321-60-8	
Terphenyl-d14 (S)	47	%	10-129		1	09/11/17 08:09	09/11/17 14:56	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/11/17 18:00	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/11/17 18:00	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/11/17 18:00	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/11/17 18:00	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/11/17 18:00	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/11/17 18:00	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/11/17 18:00	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/11/17 18:00	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/11/17 18:00	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/11/17 18:00	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/11/17 18:00	74-95-3	

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ANALYTICAL RESULTS

Project: 0403363
Pace Project No.: 40156346

Sample: SB-58 **Lab ID: 40156346005** Collected: 09/07/17 13:50 Received: 09/08/17 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/11/17 18:00	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/11/17 18:00	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/11/17 18:00	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/11/17 18:00	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/11/17 18:00	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/11/17 18:00	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/11/17 18:00	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/11/17 18:00	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/11/17 18:00	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/11/17 18:00	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/11/17 18:00	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/11/17 18:00	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/11/17 18:00	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/11/17 18:00	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/11/17 18:00	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/11/17 18:00	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/11/17 18:00	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/11/17 18:00	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/11/17 18:00	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/11/17 18:00	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/11/17 18:00	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/11/17 18:00	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/11/17 18:00	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/11/17 18:00	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	61-130		1		09/11/17 18:00	460-00-4	
Dibromofluoromethane (S)	105	%	67-130		1		09/11/17 18:00	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		09/11/17 18:00	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363
Pace Project No.: 40156346

Sample: SB-59 **Lab ID: 40156346006** Collected: 09/07/17 14:10 Received: 09/08/17 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	163	ug/L	13.0	4.3	1	09/11/17 10:24	09/12/17 12:37	7439-92-1	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	0.21J	ug/L	0.84	0.17	30	09/11/17 08:09	09/11/17 18:37	83-32-9	
Acenaphthylene	<0.14	ug/L	0.69	0.14	30	09/11/17 08:09	09/11/17 18:37	208-96-8	
Anthracene	<0.29	ug/L	1.5	0.29	30	09/11/17 08:09	09/11/17 18:37	120-12-7	
Benzo(a)anthracene	<0.21	ug/L	1.0	0.21	30	09/11/17 08:09	09/11/17 18:37	56-55-3	
Benzo(a)pyrene	<0.29	ug/L	1.5	0.29	30	09/11/17 08:09	09/11/17 18:37	50-32-8	
Benzo(b)fluoranthene	<0.16	ug/L	0.80	0.16	30	09/11/17 08:09	09/11/17 18:37	205-99-2	
Benzo(g,h,i)perylene	<0.19	ug/L	0.94	0.19	30	09/11/17 08:09	09/11/17 18:37	191-24-2	
Benzo(k)fluoranthene	<0.21	ug/L	1.0	0.21	30	09/11/17 08:09	09/11/17 18:37	207-08-9	
Chrysene	<0.36	ug/L	1.8	0.36	30	09/11/17 08:09	09/11/17 18:37	218-01-9	
Dibenz(a,h)anthracene	<0.28	ug/L	1.4	0.28	30	09/11/17 08:09	09/11/17 18:37	53-70-3	
Fluoranthene	<0.30	ug/L	1.5	0.30	30	09/11/17 08:09	09/11/17 18:37	206-44-0	L1
Fluorene	<0.22	ug/L	1.1	0.22	30	09/11/17 08:09	09/11/17 18:37	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.49	ug/L	2.4	0.49	30	09/11/17 08:09	09/11/17 18:37	193-39-5	
1-Methylnaphthalene	41.6	ug/L	0.82	0.16	30	09/11/17 08:09	09/11/17 18:37	90-12-0	
2-Methylnaphthalene	74.5	ug/L	0.68	0.14	30	09/11/17 08:09	09/11/17 18:37	91-57-6	
Naphthalene	307	ug/L	2.5	0.51	30	09/11/17 08:09	09/11/17 18:37	91-20-3	
Phenanthrene	<0.38	ug/L	1.9	0.38	30	09/11/17 08:09	09/11/17 18:37	85-01-8	
Pyrene	<0.21	ug/L	1.1	0.21	30	09/11/17 08:09	09/11/17 18:37	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	62	%	35-84		30	09/11/17 08:09	09/11/17 18:37	321-60-8	
Terphenyl-d14 (S)	42	%	10-129		30	09/11/17 08:09	09/11/17 18:37	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	6.9J	ug/L	10.0	5.0	10		09/12/17 08:30	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		09/12/17 08:30	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		09/12/17 08:30	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		09/12/17 08:30	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		09/12/17 08:30	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		09/12/17 08:30	74-83-9	
n-Butylbenzene	24.2	ug/L	10.0	5.0	10		09/12/17 08:30	104-51-8	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		09/12/17 08:30	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		09/12/17 08:30	98-06-6	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		09/12/17 08:30	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		09/12/17 08:30	108-90-7	
Chloroethane	<3.7	ug/L	10.0	3.7	10		09/12/17 08:30	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		09/12/17 08:30	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		09/12/17 08:30	74-87-3	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		09/12/17 08:30	95-49-8	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		09/12/17 08:30	106-43-4	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		09/12/17 08:30	96-12-8	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		09/12/17 08:30	124-48-1	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		09/12/17 08:30	106-93-4	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		09/12/17 08:30	74-95-3	

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ANALYTICAL RESULTS

Project: 0403363
Pace Project No.: 40156346

Sample: SB-59 **Lab ID: 40156346006** Collected: 09/07/17 14:10 Received: 09/08/17 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		09/12/17 08:30	95-50-1	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		09/12/17 08:30	541-73-1	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		09/12/17 08:30	106-46-7	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		09/12/17 08:30	75-71-8	
1,1-Dichloroethane	<2.4	ug/L	10.0	2.4	10		09/12/17 08:30	75-34-3	
1,2-Dichloroethane	<1.7	ug/L	10.0	1.7	10		09/12/17 08:30	107-06-2	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		09/12/17 08:30	75-35-4	
cis-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		09/12/17 08:30	156-59-2	
trans-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		09/12/17 08:30	156-60-5	
1,2-Dichloropropane	<2.3	ug/L	10.0	2.3	10		09/12/17 08:30	78-87-5	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		09/12/17 08:30	142-28-9	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		09/12/17 08:30	594-20-7	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		09/12/17 08:30	563-58-6	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		09/12/17 08:30	10061-01-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		09/12/17 08:30	10061-02-6	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		09/12/17 08:30	108-20-3	
Ethylbenzene	172	ug/L	10.0	5.0	10		09/12/17 08:30	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		09/12/17 08:30	87-68-3	
Isopropylbenzene (Cumene)	96.2	ug/L	10.0	1.4	10		09/12/17 08:30	98-82-8	
p-Isopropyltoluene	7.6J	ug/L	10.0	5.0	10		09/12/17 08:30	99-87-6	
Methylene Chloride	<2.3	ug/L	10.0	2.3	10		09/12/17 08:30	75-09-2	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		09/12/17 08:30	1634-04-4	
Naphthalene	486	ug/L	50.0	25.0	10		09/12/17 08:30	91-20-3	
n-Propylbenzene	304	ug/L	10.0	5.0	10		09/12/17 08:30	103-65-1	
Styrene	<5.0	ug/L	10.0	5.0	10		09/12/17 08:30	100-42-5	
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		09/12/17 08:30	630-20-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		09/12/17 08:30	79-34-5	
Tetrachloroethene	<5.0	ug/L	10.0	5.0	10		09/12/17 08:30	127-18-4	
Toluene	13.3	ug/L	10.0	5.0	10		09/12/17 08:30	108-88-3	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		09/12/17 08:30	87-61-6	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		09/12/17 08:30	120-82-1	
1,1,1-Trichloroethane	<5.0	ug/L	10.0	5.0	10		09/12/17 08:30	71-55-6	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		09/12/17 08:30	79-00-5	
Trichloroethene	<3.3	ug/L	10.0	3.3	10		09/12/17 08:30	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		09/12/17 08:30	75-69-4	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		09/12/17 08:30	96-18-4	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		09/12/17 08:30	95-63-6	
1,3,5-Trimethylbenzene	85.9	ug/L	10.0	5.0	10		09/12/17 08:30	108-67-8	
Vinyl chloride	<1.8	ug/L	10.0	1.8	10		09/12/17 08:30	75-01-4	
m&p-Xylene	521	ug/L	20.0	10.0	10		09/12/17 08:30	179601-23-1	
o-Xylene	10.1	ug/L	10.0	5.0	10		09/12/17 08:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	61-130		10		09/12/17 08:30	460-00-4	
Dibromofluoromethane (S)	105	%	67-130		10		09/12/17 08:30	1868-53-7	
Toluene-d8 (S)	99	%	70-130		10		09/12/17 08:30	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363
Pace Project No.: 40156346

Sample: SB-60 **Lab ID: 40156346007** Collected: 09/07/17 14:45 Received: 09/08/17 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	358	ug/L	13.0	4.3	1	09/11/17 10:24	09/12/17 12:39	7439-92-1	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	0.032	ug/L	0.028	0.0057	1	09/11/17 08:09	09/11/17 15:15	83-32-9	
Acenaphthylene	<0.0047	ug/L	0.023	0.0047	1	09/11/17 08:09	09/11/17 15:15	208-96-8	
Anthracene	<0.0098	ug/L	0.049	0.0098	1	09/11/17 08:09	09/11/17 15:15	120-12-7	
Benzo(a)anthracene	0.0076J	ug/L	0.035	0.0071	1	09/11/17 08:09	09/11/17 15:15	56-55-3	
Benzo(a)pyrene	<0.0098	ug/L	0.049	0.0098	1	09/11/17 08:09	09/11/17 15:15	50-32-8	
Benzo(b)fluoranthene	<0.0054	ug/L	0.027	0.0054	1	09/11/17 08:09	09/11/17 15:15	205-99-2	
Benzo(g,h,i)perylene	<0.0063	ug/L	0.032	0.0063	1	09/11/17 08:09	09/11/17 15:15	191-24-2	
Benzo(k)fluoranthene	<0.0071	ug/L	0.035	0.0071	1	09/11/17 08:09	09/11/17 15:15	207-08-9	
Chrysene	<0.012	ug/L	0.061	0.012	1	09/11/17 08:09	09/11/17 15:15	218-01-9	
Dibenz(a,h)anthracene	<0.0094	ug/L	0.047	0.0094	1	09/11/17 08:09	09/11/17 15:15	53-70-3	
Fluoranthene	0.017J	ug/L	0.050	0.010	1	09/11/17 08:09	09/11/17 15:15	206-44-0	L1
Fluorene	0.013J	ug/L	0.037	0.0074	1	09/11/17 08:09	09/11/17 15:15	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.082	0.016	1	09/11/17 08:09	09/11/17 15:15	193-39-5	
1-Methylnaphthalene	0.38	ug/L	0.028	0.0055	1	09/11/17 08:09	09/11/17 15:15	90-12-0	
2-Methylnaphthalene	0.21	ug/L	0.023	0.0046	1	09/11/17 08:09	09/11/17 15:15	91-57-6	
Naphthalene	1.7	ug/L	0.086	0.017	1	09/11/17 08:09	09/11/17 15:15	91-20-3	
Phenanthrene	0.020J	ug/L	0.064	0.013	1	09/11/17 08:09	09/11/17 15:15	85-01-8	
Pyrene	0.013J	ug/L	0.036	0.0071	1	09/11/17 08:09	09/11/17 15:15	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	52	%	35-84		1	09/11/17 08:09	09/11/17 15:15	321-60-8	
Terphenyl-d14 (S)	51	%	10-129		1	09/11/17 08:09	09/11/17 15:15	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:38	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/11/17 17:38	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/11/17 17:38	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 17:38	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/11/17 17:38	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/11/17 17:38	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:38	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/11/17 17:38	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/11/17 17:38	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/11/17 17:38	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:38	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/11/17 17:38	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/11/17 17:38	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 17:38	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:38	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/11/17 17:38	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/11/17 17:38	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 17:38	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/11/17 17:38	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/11/17 17:38	74-95-3	

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ANALYTICAL RESULTS

Project: 0403363
Pace Project No.: 40156346

Sample: SB-60 **Lab ID: 40156346007** Collected: 09/07/17 14:45 Received: 09/08/17 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:38	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:38	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:38	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/11/17 17:38	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/11/17 17:38	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/11/17 17:38	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/11/17 17:38	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/11/17 17:38	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/11/17 17:38	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/11/17 17:38	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/11/17 17:38	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/11/17 17:38	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/11/17 17:38	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:38	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/11/17 17:38	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/11/17 17:38	108-20-3	
Ethylbenzene	0.99J	ug/L	1.0	0.50	1		09/11/17 17:38	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/11/17 17:38	87-68-3	
Isopropylbenzene (Cumene)	5.8	ug/L	1.0	0.14	1		09/11/17 17:38	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:38	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/11/17 17:38	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/11/17 17:38	1634-04-4	
Naphthalene	2.6J	ug/L	5.0	2.5	1		09/11/17 17:38	91-20-3	
n-Propylbenzene	15.1	ug/L	1.0	0.50	1		09/11/17 17:38	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:38	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/11/17 17:38	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/11/17 17:38	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:38	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:38	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/11/17 17:38	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/11/17 17:38	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/11/17 17:38	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/11/17 17:38	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/11/17 17:38	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/11/17 17:38	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/11/17 17:38	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:38	95-63-6	
1,3,5-Trimethylbenzene	3.3	ug/L	1.0	0.50	1		09/11/17 17:38	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/11/17 17:38	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/11/17 17:38	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	61-130		1		09/11/17 17:38	460-00-4	pH
Dibromofluoromethane (S)	104	%	67-130		1		09/11/17 17:38	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		09/11/17 17:38	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363
Pace Project No.: 40156346

Sample: SB-61 Lab ID: 40156346008 Collected: 09/07/17 15:55 Received: 09/08/17 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	219	ug/L	13.0	4.3	1	09/11/17 10:24	09/12/17 12:42	7439-92-1	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	0.022J	ug/L	0.029	0.0058	1	09/11/17 08:09	09/11/17 15:33	83-32-9	
Acenaphthylene	<0.0047	ug/L	0.024	0.0047	1	09/11/17 08:09	09/11/17 15:33	208-96-8	
Anthracene	0.014J	ug/L	0.050	0.010	1	09/11/17 08:09	09/11/17 15:33	120-12-7	
Benzo(a)anthracene	0.0074J	ug/L	0.036	0.0072	1	09/11/17 08:09	09/11/17 15:33	56-55-3	
Benzo(a)pyrene	<0.010	ug/L	0.050	0.010	1	09/11/17 08:09	09/11/17 15:33	50-32-8	
Benzo(b)fluoranthene	<0.0055	ug/L	0.027	0.0055	1	09/11/17 08:09	09/11/17 15:33	205-99-2	
Benzo(g,h,i)perylene	<0.0065	ug/L	0.032	0.0065	1	09/11/17 08:09	09/11/17 15:33	191-24-2	
Benzo(k)fluoranthene	<0.0072	ug/L	0.036	0.0072	1	09/11/17 08:09	09/11/17 15:33	207-08-9	
Chrysene	<0.012	ug/L	0.062	0.012	1	09/11/17 08:09	09/11/17 15:33	218-01-9	
Dibenz(a,h)anthracene	<0.0095	ug/L	0.048	0.0095	1	09/11/17 08:09	09/11/17 15:33	53-70-3	
Fluoranthene	0.020J	ug/L	0.051	0.010	1	09/11/17 08:09	09/11/17 15:33	206-44-0	L1
Fluorene	0.013J	ug/L	0.038	0.0076	1	09/11/17 08:09	09/11/17 15:33	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.084	0.017	1	09/11/17 08:09	09/11/17 15:33	193-39-5	
1-Methylnaphthalene	0.026J	ug/L	0.028	0.0056	1	09/11/17 08:09	09/11/17 15:33	90-12-0	
2-Methylnaphthalene	0.014J	ug/L	0.023	0.0047	1	09/11/17 08:09	09/11/17 15:33	91-57-6	
Naphthalene	1.3	ug/L	0.087	0.017	1	09/11/17 08:09	09/11/17 15:33	91-20-3	
Phenanthrene	0.027J	ug/L	0.066	0.013	1	09/11/17 08:09	09/11/17 15:33	85-01-8	
Pyrene	0.082	ug/L	0.036	0.0073	1	09/11/17 08:09	09/11/17 15:33	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	54	%	35-84		1	09/11/17 08:09	09/11/17 15:33	321-60-8	
Terphenyl-d14 (S)	73	%	10-129		1	09/11/17 08:09	09/11/17 15:33	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	19.5	ug/L	2.0	1.0	2		09/11/17 19:28	71-43-2	
Bromobenzene	<0.46	ug/L	2.0	0.46	2		09/11/17 19:28	108-86-1	
Bromochloromethane	<0.68	ug/L	2.0	0.68	2		09/11/17 19:28	74-97-5	
Bromodichloromethane	<1.0	ug/L	2.0	1.0	2		09/11/17 19:28	75-27-4	
Bromoform	<1.0	ug/L	2.0	1.0	2		09/11/17 19:28	75-25-2	
Bromomethane	<4.9	ug/L	10.0	4.9	2		09/11/17 19:28	74-83-9	
n-Butylbenzene	<1.0	ug/L	2.0	1.0	2		09/11/17 19:28	104-51-8	
sec-Butylbenzene	<4.4	ug/L	10.0	4.4	2		09/11/17 19:28	135-98-8	
tert-Butylbenzene	<0.36	ug/L	2.0	0.36	2		09/11/17 19:28	98-06-6	
Carbon tetrachloride	<1.0	ug/L	2.0	1.0	2		09/11/17 19:28	56-23-5	
Chlorobenzene	<1.0	ug/L	2.0	1.0	2		09/11/17 19:28	108-90-7	
Chloroethane	<0.75	ug/L	2.0	0.75	2		09/11/17 19:28	75-00-3	
Chloroform	<5.0	ug/L	10.0	5.0	2		09/11/17 19:28	67-66-3	
Chloromethane	<1.0	ug/L	2.0	1.0	2		09/11/17 19:28	74-87-3	
2-Chlorotoluene	<1.0	ug/L	2.0	1.0	2		09/11/17 19:28	95-49-8	
4-Chlorotoluene	<0.43	ug/L	2.0	0.43	2		09/11/17 19:28	106-43-4	
1,2-Dibromo-3-chloropropane	<4.3	ug/L	10.0	4.3	2		09/11/17 19:28	96-12-8	
Dibromochloromethane	<1.0	ug/L	2.0	1.0	2		09/11/17 19:28	124-48-1	
1,2-Dibromoethane (EDB)	<0.36	ug/L	2.0	0.36	2		09/11/17 19:28	106-93-4	
Dibromomethane	<0.85	ug/L	2.0	0.85	2		09/11/17 19:28	74-95-3	

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ANALYTICAL RESULTS

Project: 0403363
Pace Project No.: 40156346

Sample: SB-61 **Lab ID: 40156346008** Collected: 09/07/17 15:55 Received: 09/08/17 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<1.0	ug/L	2.0	1.0	2		09/11/17 19:28	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	2.0	1.0	2		09/11/17 19:28	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	2.0	1.0	2		09/11/17 19:28	106-46-7	
Dichlorodifluoromethane	<0.45	ug/L	2.0	0.45	2		09/11/17 19:28	75-71-8	
1,1-Dichloroethane	<0.48	ug/L	2.0	0.48	2		09/11/17 19:28	75-34-3	
1,2-Dichloroethane	<0.34	ug/L	2.0	0.34	2		09/11/17 19:28	107-06-2	
1,1-Dichloroethene	<0.82	ug/L	2.0	0.82	2		09/11/17 19:28	75-35-4	
cis-1,2-Dichloroethene	<0.51	ug/L	2.0	0.51	2		09/11/17 19:28	156-59-2	
trans-1,2-Dichloroethene	<0.51	ug/L	2.0	0.51	2		09/11/17 19:28	156-60-5	
1,2-Dichloropropane	<0.47	ug/L	2.0	0.47	2		09/11/17 19:28	78-87-5	
1,3-Dichloropropane	<1.0	ug/L	2.0	1.0	2		09/11/17 19:28	142-28-9	
2,2-Dichloropropane	<0.97	ug/L	2.0	0.97	2		09/11/17 19:28	594-20-7	
1,1-Dichloropropene	<0.88	ug/L	2.0	0.88	2		09/11/17 19:28	563-58-6	
cis-1,3-Dichloropropene	<1.0	ug/L	2.0	1.0	2		09/11/17 19:28	10061-01-5	
trans-1,3-Dichloropropene	<0.46	ug/L	2.0	0.46	2		09/11/17 19:28	10061-02-6	
Diisopropyl ether	<1.0	ug/L	2.0	1.0	2		09/11/17 19:28	108-20-3	
Ethylbenzene	26.0	ug/L	2.0	1.0	2		09/11/17 19:28	100-41-4	
Hexachloro-1,3-butadiene	<4.2	ug/L	10.0	4.2	2		09/11/17 19:28	87-68-3	
Isopropylbenzene (Cumene)	12.8	ug/L	2.0	0.29	2		09/11/17 19:28	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	2.0	1.0	2		09/11/17 19:28	99-87-6	
Methylene Chloride	<0.47	ug/L	2.0	0.47	2		09/11/17 19:28	75-09-2	
Methyl-tert-butyl ether	<0.35	ug/L	2.0	0.35	2		09/11/17 19:28	1634-04-4	
Naphthalene	<5.0	ug/L	10.0	5.0	2		09/11/17 19:28	91-20-3	
n-Propylbenzene	11.9	ug/L	2.0	1.0	2		09/11/17 19:28	103-65-1	
Styrene	<1.0	ug/L	2.0	1.0	2		09/11/17 19:28	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	2.0	0.36	2		09/11/17 19:28	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	2.0	0.50	2		09/11/17 19:28	79-34-5	
Tetrachloroethene	<1.0	ug/L	2.0	1.0	2		09/11/17 19:28	127-18-4	
Toluene	12.9	ug/L	2.0	1.0	2		09/11/17 19:28	108-88-3	
1,2,3-Trichlorobenzene	<4.3	ug/L	10.0	4.3	2		09/11/17 19:28	87-61-6	
1,2,4-Trichlorobenzene	<4.4	ug/L	10.0	4.4	2		09/11/17 19:28	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	2.0	1.0	2		09/11/17 19:28	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	2.0	0.39	2		09/11/17 19:28	79-00-5	
Trichloroethene	<0.66	ug/L	2.0	0.66	2		09/11/17 19:28	79-01-6	
Trichlorofluoromethane	<0.37	ug/L	2.0	0.37	2		09/11/17 19:28	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	2.0	1.0	2		09/11/17 19:28	96-18-4	
1,2,4-Trimethylbenzene	54.5	ug/L	2.0	1.0	2		09/11/17 19:28	95-63-6	
1,3,5-Trimethylbenzene	22.5	ug/L	2.0	1.0	2		09/11/17 19:28	108-67-8	
Vinyl chloride	<0.35	ug/L	2.0	0.35	2		09/11/17 19:28	75-01-4	
m&p-Xylene	510	ug/L	4.0	2.0	2		09/11/17 19:28	179601-23-1	
o-Xylene	16.0	ug/L	2.0	1.0	2		09/11/17 19:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	61-130		2		09/11/17 19:28	460-00-4	pH
Dibromofluoromethane (S)	105	%	67-130		2		09/11/17 19:28	1868-53-7	
Toluene-d8 (S)	100	%	70-130		2		09/11/17 19:28	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363
Pace Project No.: 40156346

Sample: SB-62 **Lab ID: 40156346009** Collected: 09/07/17 16:25 Received: 09/08/17 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	479	ug/L	26.0	8.7	2	09/11/17 10:24	09/12/17 13:17	7439-92-1	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	0.023J	ug/L	0.029	0.0059	1	09/11/17 08:09	09/11/17 15:51	83-32-9	
Acenaphthylene	<0.0048	ug/L	0.024	0.0048	1	09/11/17 08:09	09/11/17 15:51	208-96-8	
Anthracene	0.019J	ug/L	0.051	0.010	1	09/11/17 08:09	09/11/17 15:51	120-12-7	
Benzo(a)anthracene	0.011J	ug/L	0.037	0.0073	1	09/11/17 08:09	09/11/17 15:51	56-55-3	
Benzo(a)pyrene	<0.010	ug/L	0.051	0.010	1	09/11/17 08:09	09/11/17 15:51	50-32-8	
Benzo(b)fluoranthene	<0.0056	ug/L	0.028	0.0056	1	09/11/17 08:09	09/11/17 15:51	205-99-2	
Benzo(g,h,i)perylene	<0.0066	ug/L	0.033	0.0066	1	09/11/17 08:09	09/11/17 15:51	191-24-2	
Benzo(k)fluoranthene	<0.0073	ug/L	0.037	0.0073	1	09/11/17 08:09	09/11/17 15:51	207-08-9	
Chrysene	<0.013	ug/L	0.063	0.013	1	09/11/17 08:09	09/11/17 15:51	218-01-9	
Dibenz(a,h)anthracene	<0.0097	ug/L	0.049	0.0097	1	09/11/17 08:09	09/11/17 15:51	53-70-3	
Fluoranthene	0.032J	ug/L	0.052	0.010	1	09/11/17 08:09	09/11/17 15:51	206-44-0	L1
Fluorene	0.022J	ug/L	0.039	0.0077	1	09/11/17 08:09	09/11/17 15:51	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.086	0.017	1	09/11/17 08:09	09/11/17 15:51	193-39-5	
1-Methylnaphthalene	0.020J	ug/L	0.029	0.0057	1	09/11/17 08:09	09/11/17 15:51	90-12-0	
2-Methylnaphthalene	0.013J	ug/L	0.024	0.0048	1	09/11/17 08:09	09/11/17 15:51	91-57-6	
Naphthalene	<0.018	ug/L	0.089	0.018	1	09/11/17 08:09	09/11/17 15:51	91-20-3	
Phenanthrene	0.094	ug/L	0.067	0.013	1	09/11/17 08:09	09/11/17 15:51	85-01-8	
Pyrene	0.12	ug/L	0.037	0.0074	1	09/11/17 08:09	09/11/17 15:51	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	48	%	35-84		1	09/11/17 08:09	09/11/17 15:51	321-60-8	
Terphenyl-d14 (S)	57	%	10-129		1	09/11/17 08:09	09/11/17 15:51	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/11/17 16:54	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/11/17 16:54	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/11/17 16:54	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/11/17 16:54	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/11/17 16:54	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/11/17 16:54	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/11/17 16:54	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/11/17 16:54	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/11/17 16:54	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/11/17 16:54	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/11/17 16:54	74-95-3	

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ANALYTICAL RESULTS

Project: 0403363
Pace Project No.: 40156346

Sample: SB-62 **Lab ID: 40156346009** Collected: 09/07/17 16:25 Received: 09/08/17 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/11/17 16:54	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/11/17 16:54	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/11/17 16:54	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/11/17 16:54	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/11/17 16:54	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/11/17 16:54	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/11/17 16:54	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/11/17 16:54	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/11/17 16:54	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/11/17 16:54	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/11/17 16:54	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/11/17 16:54	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/11/17 16:54	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/11/17 16:54	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/11/17 16:54	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/11/17 16:54	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/11/17 16:54	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/11/17 16:54	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/11/17 16:54	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/11/17 16:54	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/11/17 16:54	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/11/17 16:54	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/11/17 16:54	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/11/17 16:54	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	61-130		1		09/11/17 16:54	460-00-4	
Dibromofluoromethane (S)	104	%	67-130		1		09/11/17 16:54	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		09/11/17 16:54	2037-26-5	

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ANALYTICAL RESULTS

Project: 0403363
Pace Project No.: 40156346

Sample: SB-63 Lab ID: 40156346010 Collected: 09/07/17 16:50 Received: 09/08/17 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	495	ug/L	26.0	8.7	2	09/11/17 10:24	09/12/17 13:19	7439-92-1	
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510							
Acenaphthene	0.0082J	ug/L	0.029	0.0059	1	09/11/17 08:09	09/11/17 16:10	83-32-9	
Acenaphthylene	<0.0048	ug/L	0.024	0.0048	1	09/11/17 08:09	09/11/17 16:10	208-96-8	
Anthracene	<0.010	ug/L	0.051	0.010	1	09/11/17 08:09	09/11/17 16:10	120-12-7	
Benzo(a)anthracene	<0.0073	ug/L	0.037	0.0073	1	09/11/17 08:09	09/11/17 16:10	56-55-3	
Benzo(a)pyrene	<0.010	ug/L	0.051	0.010	1	09/11/17 08:09	09/11/17 16:10	50-32-8	
Benzo(b)fluoranthene	<0.0056	ug/L	0.028	0.0056	1	09/11/17 08:09	09/11/17 16:10	205-99-2	
Benzo(g,h,i)perylene	<0.0066	ug/L	0.033	0.0066	1	09/11/17 08:09	09/11/17 16:10	191-24-2	
Benzo(k)fluoranthene	<0.0073	ug/L	0.037	0.0073	1	09/11/17 08:09	09/11/17 16:10	207-08-9	
Chrysene	<0.013	ug/L	0.063	0.013	1	09/11/17 08:09	09/11/17 16:10	218-01-9	
Dibenz(a,h)anthracene	<0.0097	ug/L	0.049	0.0097	1	09/11/17 08:09	09/11/17 16:10	53-70-3	
Fluoranthene	<0.010	ug/L	0.052	0.010	1	09/11/17 08:09	09/11/17 16:10	206-44-0	L1
Fluorene	<0.0077	ug/L	0.039	0.0077	1	09/11/17 08:09	09/11/17 16:10	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.017	ug/L	0.086	0.017	1	09/11/17 08:09	09/11/17 16:10	193-39-5	
1-Methylnaphthalene	0.014J	ug/L	0.029	0.0057	1	09/11/17 08:09	09/11/17 16:10	90-12-0	
2-Methylnaphthalene	0.0092J	ug/L	0.024	0.0048	1	09/11/17 08:09	09/11/17 16:10	91-57-6	
Naphthalene	0.041J	ug/L	0.089	0.018	1	09/11/17 08:09	09/11/17 16:10	91-20-3	
Phenanthrene	<0.013	ug/L	0.067	0.013	1	09/11/17 08:09	09/11/17 16:10	85-01-8	
Pyrene	<0.0074	ug/L	0.037	0.0074	1	09/11/17 08:09	09/11/17 16:10	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	54	%	35-84		1	09/11/17 08:09	09/11/17 16:10	321-60-8	
Terphenyl-d14 (S)	51	%	10-129		1	09/11/17 08:09	09/11/17 16:10	1718-51-0	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/11/17 17:16	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/11/17 17:16	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/11/17 17:16	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/11/17 17:16	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/11/17 17:16	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/11/17 17:16	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/11/17 17:16	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/11/17 17:16	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/11/17 17:16	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/11/17 17:16	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/11/17 17:16	74-95-3	

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ANALYTICAL RESULTS

Project: 0403363
Pace Project No.: 40156346

Sample: SB-63 **Lab ID: 40156346010** Collected: 09/07/17 16:50 Received: 09/08/17 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/11/17 17:16	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/11/17 17:16	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/11/17 17:16	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/11/17 17:16	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/11/17 17:16	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/11/17 17:16	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/11/17 17:16	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/11/17 17:16	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/11/17 17:16	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/11/17 17:16	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/11/17 17:16	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/11/17 17:16	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/11/17 17:16	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/11/17 17:16	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/11/17 17:16	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/11/17 17:16	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/11/17 17:16	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/11/17 17:16	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/11/17 17:16	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/11/17 17:16	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/11/17 17:16	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/11/17 17:16	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/11/17 17:16	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/11/17 17:16	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/11/17 17:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	61-130		1		09/11/17 17:16	460-00-4	pH
Dibromofluoromethane (S)	100	%	67-130		1		09/11/17 17:16	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		09/11/17 17:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363
Pace Project No.: 40156346

QC Batch: 267147 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40156346001, 40156346002, 40156346003, 40156346004, 40156346005, 40156346006, 40156346007, 40156346008, 40156346009, 40156346010

METHOD BLANK: 1569969 Matrix: Water
Associated Lab Samples: 40156346001, 40156346002, 40156346003, 40156346004, 40156346005, 40156346006, 40156346007, 40156346008, 40156346009, 40156346010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	09/11/17 11:24	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	09/11/17 11:24	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	09/11/17 11:24	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	09/11/17 11:24	
1,1-Dichloroethane	ug/L	<0.24	1.0	09/11/17 11:24	
1,1-Dichloroethene	ug/L	<0.41	1.0	09/11/17 11:24	
1,1-Dichloropropene	ug/L	<0.44	1.0	09/11/17 11:24	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	09/11/17 11:24	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	09/11/17 11:24	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	09/11/17 11:24	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	09/11/17 11:24	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	09/11/17 11:24	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	09/11/17 11:24	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	09/11/17 11:24	
1,2-Dichloroethane	ug/L	<0.17	1.0	09/11/17 11:24	
1,2-Dichloropropane	ug/L	<0.23	1.0	09/11/17 11:24	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	09/11/17 11:24	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	09/11/17 11:24	
1,3-Dichloropropane	ug/L	<0.50	1.0	09/11/17 11:24	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	09/11/17 11:24	
2,2-Dichloropropane	ug/L	<0.48	1.0	09/11/17 11:24	
2-Chlorotoluene	ug/L	<0.50	1.0	09/11/17 11:24	
4-Chlorotoluene	ug/L	<0.21	1.0	09/11/17 11:24	
Benzene	ug/L	<0.50	1.0	09/11/17 11:24	
Bromobenzene	ug/L	<0.23	1.0	09/11/17 11:24	
Bromochloromethane	ug/L	<0.34	1.0	09/11/17 11:24	
Bromodichloromethane	ug/L	<0.50	1.0	09/11/17 11:24	
Bromoform	ug/L	<0.50	1.0	09/11/17 11:24	
Bromomethane	ug/L	<2.4	5.0	09/11/17 11:24	
Carbon tetrachloride	ug/L	<0.50	1.0	09/11/17 11:24	
Chlorobenzene	ug/L	<0.50	1.0	09/11/17 11:24	
Chloroethane	ug/L	<0.37	1.0	09/11/17 11:24	
Chloroform	ug/L	<2.5	5.0	09/11/17 11:24	
Chloromethane	ug/L	<0.50	1.0	09/11/17 11:24	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	09/11/17 11:24	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	09/11/17 11:24	
Dibromochloromethane	ug/L	<0.50	1.0	09/11/17 11:24	
Dibromomethane	ug/L	<0.43	1.0	09/11/17 11:24	
Dichlorodifluoromethane	ug/L	<0.22	1.0	09/11/17 11:24	
Diisopropyl ether	ug/L	<0.50	1.0	09/11/17 11:24	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363
Pace Project No.: 40156346

METHOD BLANK: 1569969

Matrix: Water

Associated Lab Samples: 40156346001, 40156346002, 40156346003, 40156346004, 40156346005, 40156346006, 40156346007, 40156346008, 40156346009, 40156346010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.50	1.0	09/11/17 11:24	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	09/11/17 11:24	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	09/11/17 11:24	
m&p-Xylene	ug/L	<1.0	2.0	09/11/17 11:24	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	09/11/17 11:24	
Methylene Chloride	ug/L	<0.23	1.0	09/11/17 11:24	
n-Butylbenzene	ug/L	<0.50	1.0	09/11/17 11:24	
n-Propylbenzene	ug/L	<0.50	1.0	09/11/17 11:24	
Naphthalene	ug/L	<2.5	5.0	09/11/17 11:24	
o-Xylene	ug/L	<0.50	1.0	09/11/17 11:24	
p-Isopropyltoluene	ug/L	<0.50	1.0	09/11/17 11:24	
sec-Butylbenzene	ug/L	<2.2	5.0	09/11/17 11:24	
Styrene	ug/L	<0.50	1.0	09/11/17 11:24	
tert-Butylbenzene	ug/L	<0.18	1.0	09/11/17 11:24	
Tetrachloroethene	ug/L	<0.50	1.0	09/11/17 11:24	
Toluene	ug/L	<0.50	1.0	09/11/17 11:24	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	09/11/17 11:24	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	09/11/17 11:24	
Trichloroethene	ug/L	<0.33	1.0	09/11/17 11:24	
Trichlorofluoromethane	ug/L	<0.18	1.0	09/11/17 11:24	
Vinyl chloride	ug/L	<0.18	1.0	09/11/17 11:24	
4-Bromofluorobenzene (S)	%	87	61-130	09/11/17 11:24	
Dibromofluoromethane (S)	%	101	67-130	09/11/17 11:24	
Toluene-d8 (S)	%	105	70-130	09/11/17 11:24	

LABORATORY CONTROL SAMPLE: 1569970

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.8	112	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	53.4	107	70-130	
1,1,2-Trichloroethane	ug/L	50	51.4	103	70-130	
1,1-Dichloroethane	ug/L	50	50.5	101	71-132	
1,1-Dichloroethene	ug/L	50	45.9	92	75-130	
1,2,4-Trichlorobenzene	ug/L	50	45.0	90	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	52.4	105	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	54.1	108	70-130	
1,2-Dichlorobenzene	ug/L	50	54.4	109	70-130	
1,2-Dichloroethane	ug/L	50	52.6	105	70-131	
1,2-Dichloropropane	ug/L	50	51.7	103	80-120	
1,3-Dichlorobenzene	ug/L	50	53.7	107	70-130	
1,4-Dichlorobenzene	ug/L	50	52.3	105	70-130	
Benzene	ug/L	50	51.2	102	73-145	
Bromodichloromethane	ug/L	50	51.2	102	70-130	

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QUALITY CONTROL DATA

Project: 0403363
Pace Project No.: 40156346

LABORATORY CONTROL SAMPLE: 1569970

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	48.8	98	67-130	
Bromomethane	ug/L	50	23.7	47	26-128	
Carbon tetrachloride	ug/L	50	56.7	113	70-133	
Chlorobenzene	ug/L	50	54.9	110	70-130	
Chloroethane	ug/L	50	48.1	96	58-120	
Chloroform	ug/L	50	51.9	104	80-121	
Chloromethane	ug/L	50	26.3	53	40-127	
cis-1,2-Dichloroethene	ug/L	50	50.3	101	70-130	
cis-1,3-Dichloropropene	ug/L	50	51.4	103	70-130	
Dibromochloromethane	ug/L	50	54.4	109	70-130	
Dichlorodifluoromethane	ug/L	50	19.6	39	20-135	
Ethylbenzene	ug/L	50	56.5	113	87-129	
Isopropylbenzene (Cumene)	ug/L	50	59.1	118	70-130	
m&p-Xylene	ug/L	100	115	115	70-130	
Methyl-tert-butyl ether	ug/L	50	54.6	109	66-143	
Methylene Chloride	ug/L	50	49.9	100	70-130	
o-Xylene	ug/L	50	57.5	115	70-130	
Styrene	ug/L	50	50.9	102	70-130	
Tetrachloroethene	ug/L	50	49.2	98	70-130	
Toluene	ug/L	50	53.5	107	82-130	
trans-1,2-Dichloroethene	ug/L	50	49.3	99	75-132	
trans-1,3-Dichloropropene	ug/L	50	48.8	98	70-130	
Trichloroethene	ug/L	50	53.6	107	70-130	
Trichlorofluoromethane	ug/L	50	46.0	92	76-133	
Vinyl chloride	ug/L	50	37.7	75	57-136	
4-Bromofluorobenzene (S)	%			96	61-130	
Dibromofluoromethane (S)	%			102	67-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1569971 1569972

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40156374003 Result	Spike Conc.	Spike Conc.	Result							
1,1,1-Trichloroethane	ug/L	<0.50	50	50	57.6	59.7	115	119	70-134	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	54.9	55.0	110	110	70-130	0	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	54.3	55.8	109	112	70-130	3	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	49.7	55.1	99	110	71-133	10	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	46.2	52.2	92	104	75-136	12	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	48.4	48.1	97	96	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	56.4	55.4	113	111	63-123	2	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	55.4	57.0	111	114	70-130	3	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	56.5	56.2	113	112	70-130	0	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	51.3	55.3	103	111	70-131	8	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	53.3	54.6	107	109	80-120	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0403363
Pace Project No.: 40156346

Parameter	Units	1569971		1569972		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40156374003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
1,3-Dichlorobenzene	ug/L	<0.50	50	50	56.6	58.1	113	116	70-130	3	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	51.8	55.8	104	112	70-130	7	20	
Benzene	ug/L	<0.50	50	50	50.9	56.9	102	114	73-145	11	20	
Bromodichloromethane	ug/L	<0.50	50	50	53.8	56.6	108	113	70-130	5	20	
Bromoform	ug/L	<0.50	50	50	49.6	51.2	99	102	67-130	3	20	
Bromomethane	ug/L	<2.4	50	50	26.5	28.4	53	57	26-129	7	20	
Carbon tetrachloride	ug/L	1.8	50	50	58.4	62.8	113	122	70-134	7	20	
Chlorobenzene	ug/L	<0.50	50	50	56.8	56.3	114	113	70-130	1	20	
Chloroethane	ug/L	<0.37	50	50	50.0	55.6	100	111	58-120	11	20	
Chloroform	ug/L	<2.5	50	50	53.1	57.1	102	110	80-121	7	20	
Chloromethane	ug/L	<0.50	50	50	28.8	29.6	57	58	40-128	3	20	
cis-1,2-Dichloroethene	ug/L	0.38J	50	50	49.6	55.3	99	110	70-130	11	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	55.0	55.7	110	111	70-130	1	20	
Dibromochloromethane	ug/L	<0.50	50	50	56.8	56.7	114	113	70-130	0	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	21.7	22.7	43	45	20-146	5	20	
Ethylbenzene	ug/L	<0.50	50	50	58.9	59.7	118	119	87-129	1	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	61.9	63.1	124	126	70-130	2	20	
m&p-Xylene	ug/L	<1.0	100	100	118	121	118	121	70-130	2	20	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	53.5	58.7	107	117	66-143	9	20	
Methylene Chloride	ug/L	<0.23	50	50	47.9	53.2	96	106	70-130	10	20	
o-Xylene	ug/L	<0.50	50	50	59.6	60.4	119	121	70-130	1	20	
Styrene	ug/L	<0.50	50	50	53.0	52.9	106	106	70-130	0	20	
Tetrachloroethene	ug/L	9.0	50	50	63.2	66.0	109	114	70-130	4	20	
Toluene	ug/L	<0.50	50	50	54.7	56.6	109	113	82-131	4	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	50.0	54.9	100	110	75-135	9	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	50.7	52.1	101	104	70-130	3	20	
Trichloroethene	ug/L	0.77J	50	50	53.5	57.9	106	114	70-130	8	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	47.1	50.9	94	102	76-150	8	20	
Vinyl chloride	ug/L	<0.18	50	50	39.2	41.3	78	83	56-143	5	20	
4-Bromofluorobenzene (S)	%						98	97	61-130			
Dibromofluoromethane (S)	%						100	103	67-130			
Toluene-d8 (S)	%						97	98	70-130			

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QUALITY CONTROL DATA

Project: 0403363
Pace Project No.: 40156346

LABORATORY CONTROL SAMPLE: 1570022

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/L	2	1.5	76	40-111	
Naphthalene	ug/L	2	1.0	52	39-82	
Phenanthrene	ug/L	2	1.4	71	46-96	
Pyrene	ug/L	2	1.8	91	57-110	
2-Fluorobiphenyl (S)	%			53	35-84	
Terphenyl-d14 (S)	%			86	10-129	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1570023 1570024

Parameter	Units	40156268001		MSD		MSD		MSD		% Rec Limits	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec				
1-Methylnaphthalene	ug/L	<0.0059	2	2	1.3	1.2	63	59	27-86	6	29	
2-Methylnaphthalene	ug/L	<0.0049	2	2	1.3	1.2	63	60	30-86	6	35	
Acenaphthene	ug/L	<0.0061	2	2	1.2	1.1	58	56	28-85	5	29	
Acenaphthylene	ug/L	<0.0050	2	2	1.3	1.2	64	61	27-88	4	29	
Anthracene	ug/L	<0.010	2	2	1.3	1.3	66	66	38-104	0	35	
Benzo(a)anthracene	ug/L	<0.0076	2	2	1.5	1.5	75	74	10-105	1	28	
Benzo(a)pyrene	ug/L	<0.011	2	2	1.3	1.3	63	65	10-130	3	26	
Benzo(b)fluoranthene	ug/L	<0.0057	2	2	1.4	1.3	69	67	10-115	2	25	
Benzo(g,h,i)perylene	ug/L	<0.0068	2	2	0.70	0.74	35	37	10-87	5	42	
Benzo(k)fluoranthene	ug/L	<0.0076	2	2	1.1	1.2	56	60	10-133	6	25	
Chrysene	ug/L	<0.013	2	2	1.4	1.5	72	73	17-150	0	24	
Dibenz(a,h)anthracene	ug/L	<0.010	2	2	0.71	0.75	36	37	10-89	5	49	
Fluoranthene	ug/L	<0.011	2	2	1.4	1.5	70	73	41-103	4	32	
Fluorene	ug/L	<0.0080	2	2	1.5	1.2	75	58	32-85	25	28	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	2	2	0.97	1.0	49	51	10-111	5	37	
Naphthalene	ug/L	<0.018	2	2	1.2	1.1	60	57	23-88	5	28	
Phenanthrene	ug/L	<0.014	2	2	1.3	1.3	67	64	33-96	4	25	
Pyrene	ug/L	<0.0076	2	2	1.5	1.5	73	75	38-110	2	28	
2-Fluorobiphenyl (S)	%						56	54	35-84			
Terphenyl-d14 (S)	%						72	72	10-129			

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 0403363
Pace Project No.: 40156346

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

P4 Sample field preservation does not meet EPA or method recommendations for this analysis.

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0403363
Pace Project No.: 40156346

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40156346001	SB-54	EPA 3010	267205	EPA 6010	267329
40156346002	SB-55	EPA 3010	267205	EPA 6010	267329
40156346003	SB-56	EPA 3010	267205	EPA 6010	267329
40156346004	SB-57	EPA 3010	267205	EPA 6010	267329
40156346005	SB-58	EPA 3010	267205	EPA 6010	267329
40156346006	SB-59	EPA 3010	267205	EPA 6010	267329
40156346007	SB-60	EPA 3010	267205	EPA 6010	267329
40156346008	SB-61	EPA 3010	267205	EPA 6010	267329
40156346009	SB-62	EPA 3010	267205	EPA 6010	267329
40156346010	SB-63	EPA 3010	267205	EPA 6010	267329
40156346001	SB-54	EPA 3510	267162	EPA 8270 by HVI	267274
40156346002	SB-55	EPA 3510	267162	EPA 8270 by HVI	267274
40156346003	SB-56	EPA 3510	267162	EPA 8270 by HVI	267274
40156346004	SB-57	EPA 3510	267162	EPA 8270 by HVI	267274
40156346005	SB-58	EPA 3510	267162	EPA 8270 by HVI	267274
40156346006	SB-59	EPA 3510	267162	EPA 8270 by HVI	267274
40156346007	SB-60	EPA 3510	267162	EPA 8270 by HVI	267274
40156346008	SB-61	EPA 3510	267162	EPA 8270 by HVI	267274
40156346009	SB-62	EPA 3510	267162	EPA 8270 by HVI	267274
40156346010	SB-63	EPA 3510	267162	EPA 8270 by HVI	267274
40156346001	SB-54	EPA 8260	267147		
40156346002	SB-55	EPA 8260	267147		
40156346003	SB-56	EPA 8260	267147		
40156346004	SB-57	EPA 8260	267147		
40156346005	SB-58	EPA 8260	267147		
40156346006	SB-59	EPA 8260	267147		
40156346007	SB-60	EPA 8260	267147		
40156346008	SB-61	EPA 8260	267147		
40156346009	SB-62	EPA 8260	267147		
40156346010	SB-63	EPA 8260	267147		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: ERM
Branch/Location:
Project Contact: Andrew Dewitt
Phone:
Project Number: 0403363
Project Name:
Project State: Wisconsin
Sampled By (Print): Philip Kistler
Sampled By (Sign): *Philip Kistler*
PO #:

Data Package Options (billable)
 EPA Level III
 EPA Level IV
MS/MSD (billable)
 On your sample
 NOT needed on your sample
Regulatory Program:

Matrix Codes
A = Air
B = Biota
C = Charcoal
O = Oil
S = Soil
SI = Sludge
W = Water
DW = Drinking Water
GW = Ground Water
SW = Surface Water
WW = Waste Water
WP = Wipe

PAGE LAB # CLIENT FIELD ID
001 SB-54
002 SB-55
003 SB-56
004 SB-57
005 SB-58
006 SB-59
007 SB-60
008 SB-61
009 SB-62
010 SB-63

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed: 24 hour
Transmit Prelim Results by (complete what you want):
Email #1: Andrew.Dewitt@erm.com
Email #2: Carl.Stang@erm.com
Telephone:
Fax:
Samples on HOLD are subject to special pricing and release of liability



CHAIN OF CUSTODY

Retention Codes
A=None B=HCl C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
PRESERVATION
(CODE)*

V/I/N	Pick Letter	Analyses Requested		
		VOCs	PAH	LEAD
X	B	X	X	X
X	A	X	X	X
X	D	X	X	X

DATE	TIME	MATRIX	COLLECTION	
			DATE	TIME
9/7/13	10:25	GW		
11	11:05	GW		
11	11:36	GW		
11	13:15	GW		
11	13:50	GW		
11	14:10	GW		
11	14:45	GW		
11	15:55	GW		
11	16:25	GW		
11	16:50	GW		

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Quote #:

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

3-40ml B
2-100ml F
1-250ml G

24 hour

PAH

DATE/TIME RECEIVED BY

9/7/13 17:40
9/17/13 09:45
9/17/13 09:45

Received By: *[Signature]*
Received By: *[Signature]*
Received By: *[Signature]*

40156346



Sample Condition Upon Receipt

Pace Analytical Services, LLC. - Green Bay WI
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Project #:

WO#: 40156346



Client Name: ERM

Courier: [X] Fed Ex [] UPS [] Client [] Pace Other:

Tracking #: 8726 1.356 5671

Custody Seal on Cooler/Box Present: [] yes [X] no Seals intact: [X] yes [] no

Custody Seal on Samples Present: [X] yes [] no Seals intact: [] yes [X] no

Packing Material: [] Bubble Wrap [X] Bubble Bags [] None [] Other

Thermometer Used: N/A Type of Ice: [X] Wet [] Blue [] Dry [] None [X] Samples on ice, cooling process has begun

Cooler Temperature: Uncorr: 201 / Corr: Biological Tissue is Frozen: [] yes [] no

Temp Blank Present: [] yes [X] no

Person examining contents:

Date: 9/8/17

Initials: [Signature]

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Comments:

Table with 15 rows of inspection items and checkboxes. Includes items like 'Chain of Custody Present', 'Short Hold Time Analysis', 'Rush Turn Around Time Requested', etc. with handwritten notes and dates.

Client Notification/ Resolution:

If checked, see attached form for additional comments []

Person Contacted: Date/Time:

Comments/ Resolution:

After adding HNO3 2.5mls all samples pH = 2 9/8/17

Project Manager Review: [Signature]

Date: 9/11/17

September 12, 2017

Carl Stay
ERM, Inc.
700 W. Virginia Street
Suite 601
Milwaukee, WI 53204

RE: Project: KRAFT-HEINZ
Pace Project No.: 40156437

Dear Carl Stay:

Enclosed are the analytical results for sample(s) received by the laboratory on September 09, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: KRAFT-HEINZ

Pace Project No.: 40156437

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: KRAFT-HEINZ

Pace Project No.: 40156437

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40156437001	SB-64	Water	09/08/17 14:37	09/09/17 09:20
40156437002	SB-65	Water	09/08/17 14:55	09/09/17 09:20
40156437003	SB-66S	Water	09/08/17 15:00	09/09/17 09:20
40156437004	SB-66D	Water	09/08/17 15:10	09/09/17 09:20
40156437005	SB-67	Water	09/08/17 15:20	09/09/17 09:20
40156437006	SB-68S	Water	09/08/17 15:30	09/09/17 09:20
40156437007	SB-68D	Water	09/08/17 15:40	09/09/17 09:20
40156437008	SB-69	Water	09/08/17 15:50	09/09/17 09:20
40156437009	SB-15D	Water	09/08/17 16:10	09/09/17 09:20
40156437010	TB	Water	09/08/17 00:00	09/09/17 09:20

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SAMPLE ANALYTE COUNT

Project: KRAFT-HEINZ

Pace Project No.: 40156437

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40156437001	SB-64	EPA 8260	HNW	64	PASI-G
40156437002	SB-65	EPA 8260	HNW	64	PASI-G
40156437003	SB-66S	EPA 8260	HNW	64	PASI-G
40156437004	SB-66D	EPA 8260	HNW	64	PASI-G
40156437005	SB-67	EPA 8260	HNW	64	PASI-G
40156437006	SB-68S	EPA 8260	HNW	64	PASI-G
40156437007	SB-68D	EPA 8260	HNW	64	PASI-G
40156437008	SB-69	EPA 8260	HNW	64	PASI-G
40156437009	SB-15D	EPA 8260	HNW	64	PASI-G
40156437010	TB	EPA 8260	HNW	64	PASI-G

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT-HEINZ

Pace Project No.: 40156437

Sample: **SB-64** Lab ID: **40156437001** Collected: 09/08/17 14:37 Received: 09/09/17 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/11/17 15:20	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/11/17 15:20	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/11/17 15:20	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/11/17 15:20	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/11/17 15:20	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/11/17 15:20	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/11/17 15:20	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/11/17 15:20	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/11/17 15:20	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/11/17 15:20	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/11/17 15:20	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/11/17 15:20	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/11/17 15:20	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/11/17 15:20	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/11/17 15:20	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/11/17 15:20	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/11/17 15:20	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/11/17 15:20	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/11/17 15:20	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/11/17 15:20	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/11/17 15:20	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/11/17 15:20	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/11/17 15:20	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/11/17 15:20	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/11/17 15:20	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/11/17 15:20	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/11/17 15:20	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT-HEINZ

Pace Project No.: 40156437

Sample: SB-64 **Lab ID: 40156437001** Collected: 09/08/17 14:37 Received: 09/09/17 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/11/17 15:20	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/11/17 15:20	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/11/17 15:20	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/11/17 15:20	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/11/17 15:20	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/11/17 15:20	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/11/17 15:20	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/11/17 15:20	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		09/11/17 15:20	460-00-4	
Dibromofluoromethane (S)	114	%	67-130		1		09/11/17 15:20	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/11/17 15:20	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT-HEINZ

Pace Project No.: 40156437

Sample: **SB-65** Lab ID: **40156437002** Collected: 09/08/17 14:55 Received: 09/09/17 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/11/17 15:43	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/11/17 15:43	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/11/17 15:43	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/11/17 15:43	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/11/17 15:43	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/11/17 15:43	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/11/17 15:43	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/11/17 15:43	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/11/17 15:43	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/11/17 15:43	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/11/17 15:43	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/11/17 15:43	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/11/17 15:43	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/11/17 15:43	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/11/17 15:43	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/11/17 15:43	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/11/17 15:43	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/11/17 15:43	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/11/17 15:43	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/11/17 15:43	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/11/17 15:43	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/11/17 15:43	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/11/17 15:43	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/11/17 15:43	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/11/17 15:43	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/11/17 15:43	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/11/17 15:43	630-20-6	

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ANALYTICAL RESULTS

Project: KRAFT-HEINZ

Pace Project No.: 40156437

Sample: SB-65 **Lab ID: 40156437002** Collected: 09/08/17 14:55 Received: 09/09/17 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/11/17 15:43	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/11/17 15:43	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/11/17 15:43	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/11/17 15:43	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/11/17 15:43	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/11/17 15:43	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/11/17 15:43	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/11/17 15:43	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/11/17 15:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		09/11/17 15:43	460-00-4	
Dibromofluoromethane (S)	113	%	67-130		1		09/11/17 15:43	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		09/11/17 15:43	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT-HEINZ

Pace Project No.: 40156437

Sample: SB-66S **Lab ID: 40156437003** Collected: 09/08/17 15:00 Received: 09/09/17 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/11/17 16:05	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/11/17 16:05	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/11/17 16:05	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/11/17 16:05	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/11/17 16:05	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/11/17 16:05	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/11/17 16:05	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/11/17 16:05	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/11/17 16:05	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/11/17 16:05	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/11/17 16:05	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/11/17 16:05	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/11/17 16:05	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/11/17 16:05	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/11/17 16:05	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/11/17 16:05	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/11/17 16:05	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/11/17 16:05	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/11/17 16:05	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/11/17 16:05	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/11/17 16:05	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/11/17 16:05	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/11/17 16:05	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/11/17 16:05	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/11/17 16:05	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/11/17 16:05	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/11/17 16:05	630-20-6	

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ANALYTICAL RESULTS

Project: KRAFT-HEINZ

Pace Project No.: 40156437

Sample: SB-66S **Lab ID: 40156437003** Collected: 09/08/17 15:00 Received: 09/09/17 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/11/17 16:05	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/11/17 16:05	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/11/17 16:05	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/11/17 16:05	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/11/17 16:05	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/11/17 16:05	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/11/17 16:05	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/11/17 16:05	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/11/17 16:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		1		09/11/17 16:05	460-00-4	
Dibromofluoromethane (S)	115	%	67-130		1		09/11/17 16:05	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/11/17 16:05	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT-HEINZ

Pace Project No.: 40156437

Sample: **SB-66D** Lab ID: **40156437004** Collected: 09/08/17 15:10 Received: 09/09/17 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	71-43-2	
Bromobenzene	<11.5	ug/L	50.0	11.5	50		09/12/17 09:08	108-86-1	
Bromochloromethane	<17.0	ug/L	50.0	17.0	50		09/12/17 09:08	74-97-5	
Bromodichloromethane	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	75-27-4	
Bromoform	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	75-25-2	
Bromomethane	<122	ug/L	250	122	50		09/12/17 09:08	74-83-9	
n-Butylbenzene	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	104-51-8	
sec-Butylbenzene	<109	ug/L	250	109	50		09/12/17 09:08	135-98-8	
tert-Butylbenzene	<9.0	ug/L	50.0	9.0	50		09/12/17 09:08	98-06-6	
Carbon tetrachloride	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	56-23-5	
Chlorobenzene	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	108-90-7	
Chloroethane	<18.7	ug/L	50.0	18.7	50		09/12/17 09:08	75-00-3	
Chloroform	<125	ug/L	250	125	50		09/12/17 09:08	67-66-3	
Chloromethane	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	74-87-3	
2-Chlorotoluene	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	95-49-8	
4-Chlorotoluene	<10.7	ug/L	50.0	10.7	50		09/12/17 09:08	106-43-4	
1,2-Dibromo-3-chloropropane	<108	ug/L	250	108	50		09/12/17 09:08	96-12-8	
Dibromochloromethane	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	124-48-1	
1,2-Dibromoethane (EDB)	<8.9	ug/L	50.0	8.9	50		09/12/17 09:08	106-93-4	
Dibromomethane	<21.3	ug/L	50.0	21.3	50		09/12/17 09:08	74-95-3	
1,2-Dichlorobenzene	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	95-50-1	
1,3-Dichlorobenzene	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	541-73-1	
1,4-Dichlorobenzene	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	106-46-7	
Dichlorodifluoromethane	<11.2	ug/L	50.0	11.2	50		09/12/17 09:08	75-71-8	
1,1-Dichloroethane	<12.1	ug/L	50.0	12.1	50		09/12/17 09:08	75-34-3	
1,2-Dichloroethane	5540	ug/L	50.0	8.4	50		09/12/17 09:08	107-06-2	
1,1-Dichloroethene	<20.5	ug/L	50.0	20.5	50		09/12/17 09:08	75-35-4	
cis-1,2-Dichloroethene	<12.8	ug/L	50.0	12.8	50		09/12/17 09:08	156-59-2	
trans-1,2-Dichloroethene	<12.8	ug/L	50.0	12.8	50		09/12/17 09:08	156-60-5	
1,2-Dichloropropane	<11.7	ug/L	50.0	11.7	50		09/12/17 09:08	78-87-5	
1,3-Dichloropropane	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	142-28-9	
2,2-Dichloropropane	<24.2	ug/L	50.0	24.2	50		09/12/17 09:08	594-20-7	
1,1-Dichloropropene	<22.1	ug/L	50.0	22.1	50		09/12/17 09:08	563-58-6	
cis-1,3-Dichloropropene	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	10061-01-5	
trans-1,3-Dichloropropene	<11.5	ug/L	50.0	11.5	50		09/12/17 09:08	10061-02-6	
Diisopropyl ether	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	108-20-3	
Ethylbenzene	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	100-41-4	
Hexachloro-1,3-butadiene	<105	ug/L	250	105	50		09/12/17 09:08	87-68-3	
Isopropylbenzene (Cumene)	<7.2	ug/L	50.0	7.2	50		09/12/17 09:08	98-82-8	
p-Isopropyltoluene	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	99-87-6	
Methylene Chloride	<11.6	ug/L	50.0	11.6	50		09/12/17 09:08	75-09-2	
Methyl-tert-butyl ether	<8.7	ug/L	50.0	8.7	50		09/12/17 09:08	1634-04-4	
Naphthalene	<125	ug/L	250	125	50		09/12/17 09:08	91-20-3	
n-Propylbenzene	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	103-65-1	
Styrene	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	100-42-5	
1,1,1,2-Tetrachloroethane	<9.0	ug/L	50.0	9.0	50		09/12/17 09:08	630-20-6	

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ANALYTICAL RESULTS

Project: KRAFT-HEINZ

Pace Project No.: 40156437

Sample: SB-66D **Lab ID: 40156437004** Collected: 09/08/17 15:10 Received: 09/09/17 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<12.5	ug/L	50.0	12.5	50		09/12/17 09:08	79-34-5	
Tetrachloroethene	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	127-18-4	
Toluene	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	108-88-3	
1,2,3-Trichlorobenzene	<107	ug/L	250	107	50		09/12/17 09:08	87-61-6	
1,2,4-Trichlorobenzene	<110	ug/L	250	110	50		09/12/17 09:08	120-82-1	
1,1,1-Trichloroethane	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	71-55-6	
1,1,2-Trichloroethane	<9.9	ug/L	50.0	9.9	50		09/12/17 09:08	79-00-5	
Trichloroethene	<16.5	ug/L	50.0	16.5	50		09/12/17 09:08	79-01-6	
Trichlorofluoromethane	<9.2	ug/L	50.0	9.2	50		09/12/17 09:08	75-69-4	
1,2,3-Trichloropropane	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	96-18-4	
1,2,4-Trimethylbenzene	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	108-67-8	
Vinyl chloride	55.2	ug/L	50.0	8.8	50		09/12/17 09:08	75-01-4	
m&p-Xylene	<50.0	ug/L	100	50.0	50		09/12/17 09:08	179601-23-1	
o-Xylene	<25.0	ug/L	50.0	25.0	50		09/12/17 09:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	61-130		50		09/12/17 09:08	460-00-4	HS
Dibromofluoromethane (S)	111	%	67-130		50		09/12/17 09:08	1868-53-7	
Toluene-d8 (S)	95	%	70-130		50		09/12/17 09:08	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT-HEINZ

Pace Project No.: 40156437

Sample: **SB-67** Lab ID: **40156437005** Collected: 09/08/17 15:20 Received: 09/09/17 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/12/17 07:38	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/12/17 07:38	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/12/17 07:38	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/12/17 07:38	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/12/17 07:38	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/12/17 07:38	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/12/17 07:38	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/12/17 07:38	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/12/17 07:38	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/12/17 07:38	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/12/17 07:38	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/12/17 07:38	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/12/17 07:38	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/12/17 07:38	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/12/17 07:38	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/12/17 07:38	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/12/17 07:38	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/12/17 07:38	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/12/17 07:38	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/12/17 07:38	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/12/17 07:38	10061-02-6	
Diisopropyl ether	6.2	ug/L	1.0	0.50	1		09/12/17 07:38	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/12/17 07:38	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/12/17 07:38	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/12/17 07:38	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/12/17 07:38	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/12/17 07:38	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/12/17 07:38	630-20-6	

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ANALYTICAL RESULTS

Project: KRAFT-HEINZ

Pace Project No.: 40156437

Sample: SB-67 **Lab ID: 40156437005** Collected: 09/08/17 15:20 Received: 09/09/17 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/12/17 07:38	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/12/17 07:38	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/12/17 07:38	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/12/17 07:38	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/12/17 07:38	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/12/17 07:38	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/12/17 07:38	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/12/17 07:38	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/12/17 07:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	61-130		1		09/12/17 07:38	460-00-4	
Dibromofluoromethane (S)	112	%	67-130		1		09/12/17 07:38	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		09/12/17 07:38	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT-HEINZ

Pace Project No.: 40156437

Sample: **SB-68S** Lab ID: **40156437006** Collected: 09/08/17 15:30 Received: 09/09/17 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/12/17 08:00	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/12/17 08:00	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/12/17 08:00	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/12/17 08:00	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/12/17 08:00	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/12/17 08:00	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/12/17 08:00	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/12/17 08:00	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/12/17 08:00	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/12/17 08:00	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/12/17 08:00	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/12/17 08:00	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/12/17 08:00	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/12/17 08:00	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/12/17 08:00	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/12/17 08:00	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/12/17 08:00	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/12/17 08:00	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/12/17 08:00	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/12/17 08:00	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/12/17 08:00	10061-02-6	
Diisopropyl ether	0.96J	ug/L	1.0	0.50	1		09/12/17 08:00	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/12/17 08:00	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/12/17 08:00	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/12/17 08:00	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/12/17 08:00	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/12/17 08:00	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/12/17 08:00	630-20-6	

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ANALYTICAL RESULTS

Project: KRAFT-HEINZ

Pace Project No.: 40156437

Sample: SB-68S **Lab ID: 40156437006** Collected: 09/08/17 15:30 Received: 09/09/17 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/12/17 08:00	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/12/17 08:00	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/12/17 08:00	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/12/17 08:00	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/12/17 08:00	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/12/17 08:00	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/12/17 08:00	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/12/17 08:00	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		09/12/17 08:00	460-00-4	
Dibromofluoromethane (S)	113	%	67-130		1		09/12/17 08:00	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/12/17 08:00	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT-HEINZ

Pace Project No.: 40156437

Sample: SB-68D **Lab ID: 40156437007** Collected: 09/08/17 15:40 Received: 09/09/17 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/12/17 08:23	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/12/17 08:23	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/12/17 08:23	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/12/17 08:23	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/12/17 08:23	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/12/17 08:23	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/12/17 08:23	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/12/17 08:23	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/12/17 08:23	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/12/17 08:23	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/12/17 08:23	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/12/17 08:23	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/12/17 08:23	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/12/17 08:23	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/12/17 08:23	75-35-4	
cis-1,2-Dichloroethene	0.27J	ug/L	1.0	0.26	1		09/12/17 08:23	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/12/17 08:23	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/12/17 08:23	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/12/17 08:23	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/12/17 08:23	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/12/17 08:23	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/12/17 08:23	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/12/17 08:23	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/12/17 08:23	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/12/17 08:23	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/12/17 08:23	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/12/17 08:23	630-20-6	

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ANALYTICAL RESULTS

Project: KRAFT-HEINZ

Pace Project No.: 40156437

Sample: SB-68D **Lab ID: 40156437007** Collected: 09/08/17 15:40 Received: 09/09/17 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/12/17 08:23	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/12/17 08:23	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/12/17 08:23	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/12/17 08:23	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/12/17 08:23	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/12/17 08:23	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/12/17 08:23	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/12/17 08:23	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		1		09/12/17 08:23	460-00-4	
Dibromofluoromethane (S)	112	%	67-130		1		09/12/17 08:23	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		09/12/17 08:23	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT-HEINZ

Pace Project No.: 40156437

Sample: **SB-69** Lab ID: **40156437008** Collected: 09/08/17 15:50 Received: 09/09/17 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/12/17 08:45	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/12/17 08:45	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/12/17 08:45	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/12/17 08:45	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/12/17 08:45	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/12/17 08:45	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/12/17 08:45	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/12/17 08:45	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/12/17 08:45	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/12/17 08:45	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/12/17 08:45	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/12/17 08:45	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/12/17 08:45	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/12/17 08:45	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/12/17 08:45	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/12/17 08:45	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/12/17 08:45	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/12/17 08:45	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/12/17 08:45	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/12/17 08:45	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/12/17 08:45	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/12/17 08:45	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/12/17 08:45	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/12/17 08:45	75-09-2	
Methyl-tert-butyl ether	2.7	ug/L	1.0	0.17	1		09/12/17 08:45	1634-04-4	
Naphthalene	3.0J	ug/L	5.0	2.5	1		09/12/17 08:45	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/12/17 08:45	630-20-6	

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ANALYTICAL RESULTS

Project: KRAFT-HEINZ

Pace Project No.: 40156437

Sample: SB-69 **Lab ID: 40156437008** Collected: 09/08/17 15:50 Received: 09/09/17 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/12/17 08:45	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/12/17 08:45	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/12/17 08:45	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/12/17 08:45	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/12/17 08:45	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/12/17 08:45	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/12/17 08:45	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/12/17 08:45	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/12/17 08:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		1		09/12/17 08:45	460-00-4	
Dibromofluoromethane (S)	113	%	67-130		1		09/12/17 08:45	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/12/17 08:45	2037-26-5	

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ANALYTICAL RESULTS

Project: KRAFT-HEINZ

Pace Project No.: 40156437

Sample: **SB-15D** Lab ID: **40156437009** Collected: 09/08/17 16:10 Received: 09/09/17 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	1.0	ug/L	1.0	0.50	1		09/11/17 18:19	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/11/17 18:19	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/11/17 18:19	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 18:19	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/11/17 18:19	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/11/17 18:19	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:19	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/11/17 18:19	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/11/17 18:19	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/11/17 18:19	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:19	108-90-7	
Chloroethane	1.1	ug/L	1.0	0.37	1		09/11/17 18:19	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/11/17 18:19	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 18:19	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:19	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/11/17 18:19	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/11/17 18:19	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 18:19	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/11/17 18:19	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/11/17 18:19	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:19	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:19	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:19	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/11/17 18:19	75-71-8	
1,1-Dichloroethane	0.26J	ug/L	1.0	0.24	1		09/11/17 18:19	75-34-3	
1,2-Dichloroethane	11.9	ug/L	1.0	0.17	1		09/11/17 18:19	107-06-2	
1,1-Dichloroethene	2.0	ug/L	1.0	0.41	1		09/11/17 18:19	75-35-4	
cis-1,2-Dichloroethene	2.8	ug/L	1.0	0.26	1		09/11/17 18:19	156-59-2	
trans-1,2-Dichloroethene	1.4	ug/L	1.0	0.26	1		09/11/17 18:19	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/11/17 18:19	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/11/17 18:19	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/11/17 18:19	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/11/17 18:19	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:19	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/11/17 18:19	10061-02-6	
Diisopropyl ether	8.0	ug/L	1.0	0.50	1		09/11/17 18:19	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:19	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/11/17 18:19	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/11/17 18:19	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:19	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/11/17 18:19	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/11/17 18:19	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/11/17 18:19	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:19	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:19	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/11/17 18:19	630-20-6	

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ANALYTICAL RESULTS

Project: KRAFT-HEINZ

Pace Project No.: 40156437

Sample: SB-15D **Lab ID: 40156437009** Collected: 09/08/17 16:10 Received: 09/09/17 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/11/17 18:19	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:19	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:19	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/11/17 18:19	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/11/17 18:19	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/11/17 18:19	71-55-6	
1,1,2-Trichloroethane	0.42J	ug/L	1.0	0.20	1		09/11/17 18:19	79-00-5	
Trichloroethene	0.52J	ug/L	1.0	0.33	1		09/11/17 18:19	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/11/17 18:19	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/11/17 18:19	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:19	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:19	108-67-8	
Vinyl chloride	146	ug/L	1.0	0.18	1		09/11/17 18:19	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/11/17 18:19	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/11/17 18:19	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		1		09/11/17 18:19	460-00-4	
Dibromofluoromethane (S)	113	%	67-130		1		09/11/17 18:19	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		09/11/17 18:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT-HEINZ

Pace Project No.: 40156437

Sample: TB **Lab ID: 40156437010** Collected: 09/08/17 00:00 Received: 09/09/17 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/11/17 11:09	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/11/17 11:09	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/11/17 11:09	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/11/17 11:09	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/11/17 11:09	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/11/17 11:09	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/11/17 11:09	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/11/17 11:09	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/11/17 11:09	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/11/17 11:09	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/11/17 11:09	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/11/17 11:09	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/11/17 11:09	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/11/17 11:09	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/11/17 11:09	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/11/17 11:09	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/11/17 11:09	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/11/17 11:09	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/11/17 11:09	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/11/17 11:09	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/11/17 11:09	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/11/17 11:09	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/11/17 11:09	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/11/17 11:09	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/11/17 11:09	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/11/17 11:09	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/11/17 11:09	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KRAFT-HEINZ

Pace Project No.: 40156437

Sample: TB **Lab ID: 40156437010** Collected: 09/08/17 00:00 Received: 09/09/17 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/11/17 11:09	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/11/17 11:09	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/11/17 11:09	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/11/17 11:09	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/11/17 11:09	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/11/17 11:09	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/11/17 11:09	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/11/17 11:09	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/11/17 11:09	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		1		09/11/17 11:09	460-00-4	
Dibromofluoromethane (S)	111	%	67-130		1		09/11/17 11:09	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		09/11/17 11:09	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KRAFT-HEINZ
Pace Project No.: 40156437

QC Batch: 267177 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40156437001, 40156437002, 40156437003, 40156437004, 40156437005, 40156437006, 40156437007, 40156437008, 40156437009, 40156437010

METHOD BLANK: 1570080 Matrix: Water
Associated Lab Samples: 40156437001, 40156437002, 40156437003, 40156437004, 40156437005, 40156437006, 40156437007, 40156437008, 40156437009, 40156437010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	09/11/17 09:15	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	09/11/17 09:15	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	09/11/17 09:15	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	09/11/17 09:15	
1,1-Dichloroethane	ug/L	<0.24	1.0	09/11/17 09:15	
1,1-Dichloroethene	ug/L	<0.41	1.0	09/11/17 09:15	
1,1-Dichloropropene	ug/L	<0.44	1.0	09/11/17 09:15	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	09/11/17 09:15	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	09/11/17 09:15	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	09/11/17 09:15	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	09/11/17 09:15	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	09/11/17 09:15	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	09/11/17 09:15	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	09/11/17 09:15	
1,2-Dichloroethane	ug/L	<0.17	1.0	09/11/17 09:15	
1,2-Dichloropropane	ug/L	<0.23	1.0	09/11/17 09:15	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	09/11/17 09:15	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	09/11/17 09:15	
1,3-Dichloropropane	ug/L	<0.50	1.0	09/11/17 09:15	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	09/11/17 09:15	
2,2-Dichloropropane	ug/L	<0.48	1.0	09/11/17 09:15	
2-Chlorotoluene	ug/L	<0.50	1.0	09/11/17 09:15	
4-Chlorotoluene	ug/L	<0.21	1.0	09/11/17 09:15	
Benzene	ug/L	<0.50	1.0	09/11/17 09:15	
Bromobenzene	ug/L	<0.23	1.0	09/11/17 09:15	
Bromochloromethane	ug/L	<0.34	1.0	09/11/17 09:15	
Bromodichloromethane	ug/L	<0.50	1.0	09/11/17 09:15	
Bromoform	ug/L	<0.50	1.0	09/11/17 09:15	
Bromomethane	ug/L	<2.4	5.0	09/11/17 09:15	
Carbon tetrachloride	ug/L	<0.50	1.0	09/11/17 09:15	
Chlorobenzene	ug/L	<0.50	1.0	09/11/17 09:15	
Chloroethane	ug/L	<0.37	1.0	09/11/17 09:15	
Chloroform	ug/L	<2.5	5.0	09/11/17 09:15	
Chloromethane	ug/L	<0.50	1.0	09/11/17 09:15	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	09/11/17 09:15	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	09/11/17 09:15	
Dibromochloromethane	ug/L	<0.50	1.0	09/11/17 09:15	
Dibromomethane	ug/L	<0.43	1.0	09/11/17 09:15	
Dichlorodifluoromethane	ug/L	<0.22	1.0	09/11/17 09:15	
Diisopropyl ether	ug/L	<0.50	1.0	09/11/17 09:15	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KRAFT-HEINZ
Pace Project No.: 40156437

METHOD BLANK: 1570080

Matrix: Water

Associated Lab Samples: 40156437001, 40156437002, 40156437003, 40156437004, 40156437005, 40156437006, 40156437007, 40156437008, 40156437009, 40156437010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.50	1.0	09/11/17 09:15	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	09/11/17 09:15	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	09/11/17 09:15	
m&p-Xylene	ug/L	<1.0	2.0	09/11/17 09:15	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	09/11/17 09:15	
Methylene Chloride	ug/L	<0.23	1.0	09/11/17 09:15	
n-Butylbenzene	ug/L	<0.50	1.0	09/11/17 09:15	
n-Propylbenzene	ug/L	<0.50	1.0	09/11/17 09:15	
Naphthalene	ug/L	<2.5	5.0	09/11/17 09:15	
o-Xylene	ug/L	<0.50	1.0	09/11/17 09:15	
p-Isopropyltoluene	ug/L	<0.50	1.0	09/11/17 09:15	
sec-Butylbenzene	ug/L	<2.2	5.0	09/11/17 09:15	
Styrene	ug/L	<0.50	1.0	09/11/17 09:15	
tert-Butylbenzene	ug/L	<0.18	1.0	09/11/17 09:15	
Tetrachloroethene	ug/L	<0.50	1.0	09/11/17 09:15	
Toluene	ug/L	<0.50	1.0	09/11/17 09:15	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	09/11/17 09:15	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	09/11/17 09:15	
Trichloroethene	ug/L	<0.33	1.0	09/11/17 09:15	
Trichlorofluoromethane	ug/L	<0.18	1.0	09/11/17 09:15	
Vinyl chloride	ug/L	<0.18	1.0	09/11/17 09:15	
4-Bromofluorobenzene (S)	%	93	61-130	09/11/17 09:15	
Dibromofluoromethane (S)	%	110	67-130	09/11/17 09:15	
Toluene-d8 (S)	%	96	70-130	09/11/17 09:15	

LABORATORY CONTROL SAMPLE: 1570081

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.7	109	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.5	99	70-130	
1,1,2-Trichloroethane	ug/L	50	52.1	104	70-130	
1,1-Dichloroethane	ug/L	50	57.6	115	71-132	
1,1-Dichloroethene	ug/L	50	48.1	96	75-130	
1,2,4-Trichlorobenzene	ug/L	50	48.3	97	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	46.7	93	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	53.2	106	70-130	
1,2-Dichlorobenzene	ug/L	50	51.7	103	70-130	
1,2-Dichloroethane	ug/L	50	56.8	114	70-131	
1,2-Dichloropropane	ug/L	50	53.8	108	80-120	
1,3-Dichlorobenzene	ug/L	50	51.7	103	70-130	
1,4-Dichlorobenzene	ug/L	50	53.0	106	70-130	
Benzene	ug/L	50	49.7	99	73-145	
Bromodichloromethane	ug/L	50	53.9	108	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KRAFT-HEINZ
Pace Project No.: 40156437

LABORATORY CONTROL SAMPLE: 1570081

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	56.6	113	67-130	
Bromomethane	ug/L	50	46.1	92	26-128	
Carbon tetrachloride	ug/L	50	59.7	119	70-133	
Chlorobenzene	ug/L	50	54.4	109	70-130	
Chloroethane	ug/L	50	45.8	92	58-120	
Chloroform	ug/L	50	54.2	108	80-121	
Chloromethane	ug/L	50	32.0	64	40-127	
cis-1,2-Dichloroethene	ug/L	50	51.1	102	70-130	
cis-1,3-Dichloropropene	ug/L	50	47.3	95	70-130	
Dibromochloromethane	ug/L	50	55.7	111	70-130	
Dichlorodifluoromethane	ug/L	50	19.8	40	20-135	
Ethylbenzene	ug/L	50	51.6	103	87-129	
Isopropylbenzene (Cumene)	ug/L	50	52.7	105	70-130	
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	53.8	108	66-143	
Methylene Chloride	ug/L	50	51.9	104	70-130	
o-Xylene	ug/L	50	52.2	104	70-130	
Styrene	ug/L	50	52.3	105	70-130	
Tetrachloroethene	ug/L	50	56.0	112	70-130	
Toluene	ug/L	50	50.8	102	82-130	
trans-1,2-Dichloroethene	ug/L	50	53.1	106	75-132	
trans-1,3-Dichloropropene	ug/L	50	45.9	92	70-130	
Trichloroethene	ug/L	50	54.6	109	70-130	
Trichlorofluoromethane	ug/L	50	58.6	117	76-133	
Vinyl chloride	ug/L	50	38.5	77	57-136	
4-Bromofluorobenzene (S)	%			98	61-130	
Dibromofluoromethane (S)	%			110	67-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1570119 1570120

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40156442006 Result	Spike Conc.	Spike Conc.	MSD Result							
1,1,1-Trichloroethane	ug/L	<0.50	50	50	52.1	52.9	104	106	70-134	2	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	48.9	49.5	98	99	70-130	1	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	51.2	51.9	102	104	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	56.3	56.5	113	113	71-133	0	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	48.2	49.0	96	98	75-136	2	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	48.2	48.8	96	98	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	46.9	48.2	94	96	63-123	3	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	53.1	53.6	106	107	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	50.5	50.6	101	101	70-130	0	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	55.3	55.7	111	111	70-131	1	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	50.9	51.0	102	102	80-120	0	20	

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QUALITY CONTROL DATA

Project: KRAFT-HEINZ

Pace Project No.: 40156437

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1570119		1570120		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40156442006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,3-Dichlorobenzene	ug/L	<0.50	50	50	50.6	50.7	101	101	70-130	0	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	51.8	51.9	104	104	70-130	0	20		
Benzene	ug/L	<0.50	50	50	48.4	48.7	97	97	73-145	1	20		
Bromodichloromethane	ug/L	<0.50	50	50	51.4	51.8	103	104	70-130	1	20		
Bromoform	ug/L	<0.50	50	50	54.9	55.4	110	111	67-130	1	20		
Bromomethane	ug/L	<2.4	50	50	51.7	54.2	103	108	26-129	5	20		
Carbon tetrachloride	ug/L	<0.50	50	50	56.4	57.9	113	116	70-134	3	20		
Chlorobenzene	ug/L	<0.50	50	50	53.0	53.2	106	106	70-130	0	20		
Chloroethane	ug/L	<0.37	50	50	44.9	45.9	90	92	58-120	2	20		
Chloroform	ug/L	<2.5	50	50	52.4	52.7	105	105	80-121	1	20		
Chloromethane	ug/L	<0.50	50	50	38.8	39.9	78	80	40-128	3	20		
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	47.4	46.1	95	92	70-130	3	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	46.4	46.9	93	94	70-130	1	20		
Dibromochloromethane	ug/L	<0.50	50	50	54.4	54.5	109	109	70-130	0	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	33.8	34.4	68	69	20-146	2	20		
Ethylbenzene	ug/L	<0.50	50	50	50.4	50.8	101	102	87-129	1	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	51.7	51.8	103	104	70-130	0	20		
m&p-Xylene	ug/L	<1.0	100	100	104	104	104	104	70-130	1	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	51.6	52.3	103	105	66-143	1	20		
Methylene Chloride	ug/L	<0.23	50	50	50.7	51.2	101	102	70-130	1	20		
o-Xylene	ug/L	<0.50	50	50	50.8	51.2	102	102	70-130	1	20		
Styrene	ug/L	<0.50	50	50	51.0	51.3	102	103	70-130	1	20		
Tetrachloroethene	ug/L	<0.50	50	50	54.4	55.1	109	110	70-130	1	20		
Toluene	ug/L	<0.50	50	50	49.5	50.0	99	100	82-131	1	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	52.0	52.7	104	105	75-135	1	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	44.5	45.2	89	90	70-130	2	20		
Trichloroethene	ug/L	<0.33	50	50	52.3	52.7	105	105	70-130	1	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	56.7	57.8	113	116	76-150	2	20		
Vinyl chloride	ug/L	<0.18	50	50	39.9	40.7	80	81	56-143	2	20		
4-Bromofluorobenzene (S)	%						98	99	61-130				
Dibromofluoromethane (S)	%						108	109	67-130				
Toluene-d8 (S)	%						97	95	70-130				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: KRAFT-HEINZ

Pace Project No.: 40156437

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

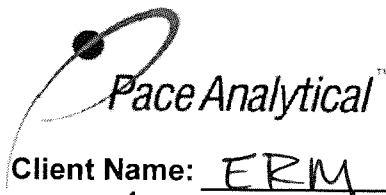
Project: KRAFT-HEINZ

Pace Project No.: 40156437

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40156437001	SB-64	EPA 8260	267177		
40156437002	SB-65	EPA 8260	267177		
40156437003	SB-66S	EPA 8260	267177		
40156437004	SB-66D	EPA 8260	267177		
40156437005	SB-67	EPA 8260	267177		
40156437006	SB-68S	EPA 8260	267177		
40156437007	SB-68D	EPA 8260	267177		
40156437008	SB-69	EPA 8260	267177		
40156437009	SB-15D	EPA 8260	267177		
40156437010	TB	EPA 8260	267177		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

Pace Analytical Services, LLC. - Green Bay WI
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Project #:

WO# : 40156437

Client Name: ERM

Courier: Fed Ex UPS Client Pace Other: _____

Tracking #: 7871668940425

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used N/A Type of Ice: Wet Blue Dry None

Cooler Temperature Uncorr: _____ /Corr: ROI Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.



40156437

Person examining contents:
Date: 9/9/17
Initials: KJ

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>① TB added by lab KJ 9/9/17</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7. <u>24 hr TAT KJ 9/9/17</u>
Sufficient Volume:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8. <u>NO MS/MSD KJ 9/9/17</u>
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: (VOA, Coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER: _____)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>386</u>		

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

If checked, see attached form for additional comments

Project Manager Review:

AK for DM

Date:

9-9-17

*APPENDIX C ERM PHASE II ESA SOIL BORING LOG
(OCTOBER 2017)*



PROJECT:
 Reich Brothers, LLC
 Thompson Hine, LLP
 Phase II Environmental Site Assessment
 910 Mayer Street, Madison, WI

BORING # **SB-34**
 ERM PROJECT # 0403363
 SHEET 1 OF 1

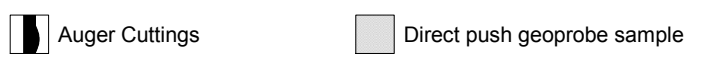
DRILLING CONTRACTOR	Geoserve, Inc. Woodstock, Illinois	ERM REPRESENTATIVE	Andrew DeWitt
DRILLING FOREMAN	Sam Redmond	OFFICE LOCATION	Holland, MI
DRILLING METHOD	Direct Push	DATE: START	07/27/2017
DRILLING EQUIPMENT	Geoprobe 6600	FINISH	07/27/2017

HORIZONTAL DATUM (NAD 1983 StatePlane Wisconsin South (US Feet))		BOREHOLE DEPTH	12 ft	
NORTHING	2171491.66	BOREHOLE DIAMETER	2.5 in	
EASTING	405863.5449	DEPTH TO WATER (INITIAL) ▼	7.5 ft	
VERTICAL DATUM (NGVD 29 (US Feet))	ELEVATION	855.436 ft	DEPTH TO WATER (FINAL) ▽	3 ft

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			
					SAMPLE TYPE	RECOVERY	PID (ppm) 10.6 eV Lamp	Observations / Remarks
855	[Topsoil]							
2	SILTY SAND (SM) some clay, tannish brown	1	SM			60/60	0	
4	CLAY (CH) moist, mottled, gray	3.5	CH				0	
6						12/36	0	
8	SAND (SP) fine to medium grained SAND; wet	7.5	SP					
10						30/48		
12	SILTY CLAY (CL-ML) wet, tannish brown	10.5	CL-ML					
12	[End of Boring at 12' bgs]	12						

REMARKS:
 Installed temporary monitoring well screened 7-12' bgs.

LAB ANALYSIS:



BORING LOG KRAFT HEINZ FOODS COMPANY.GPJ ERM DATA TEMPLATE.GDT 9/26/17