TETRA TECH

April 11, 2018

Mr. Todd Davis
Site Assessment Manager
U.S. Environmental Protection Agency, Region 7
11201 Renner Blvd.
Lenexa, Kansas 66219

Subject: **Phase II Targeted Brownfields Assessment**
Mead Hansen Building, 408 S. 8th Street, St. Joseph, Buchanan County, Missouri
U.S. EPA Region 7, START 4, Contract No. EP S7 13 06, Task Order No. 0002.043
Task Monitor: Todd Davis, Site Assessment Manager

Dear Mr. Davis:

Tetra Tech, Inc. (Tetra Tech) is submitting the enclosed Phase II Targeted Brownfields Assessment (TBA) report regarding the Mead Hansen Building site in St. Joseph, Missouri. If you have any questions or comments regarding this submittal, please call the Project Manager at (816) 412-1772.

Sincerely,

John R. Simpson, CHMM
START Project Manager

Ted Faile, PG, CHMM
START Program Manager

Enclosures

cc: Debra Dorsey, START Project Officer (cover letter only)

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PHASE II TARGETED BROWNFIELDS ASSESSMENT

MEAD HANSEN BUILDING
408 S. 8TH STREET
ST. JOSEPH, MISSOURI

Superfund Technical Assessment and Response Team (START) 4

Contract No. EP-S7-13-06, Task Order No. 0002.043

Prepared For:

U.S. Environmental Protection Agency
Region 7
11201 Renner Blvd.
Lenexa, Kansas 66219

April 11, 2018

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EXECUTIVE SUMMARY

The Tetra Tech, Inc. (Tetra Tech) Region 7 Superfund Technical Assessment and Response Team (START) was tasked by the U.S. Environmental Protection Agency (EPA) Region 7 Superfund Division to conduct a Phase II Targeted Brownfields Assessment (TBA) of the approximate 0.71-acre Mead Hansen Building site (the site or subject property), in St. Joseph, Buchanan County, Missouri. The subject property is currently unoccupied and includes one building and an asphalt parking area. The subject property has historically been occupied by a lumberyard, a car dealership, and a service garage. The most recent usage of the subject property was as a chemical mixing and storage facility for HPI Products.

START conducted this Phase II TBA in accordance with the *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process*, ASTM International (ASTM) designation E1903-97-11, and otherwise in compliance with EPA's "All Appropriate Inquiries" Rule (AAI Rule) (40 *Code of Federal Regulations* [CFR] Part 312) (ASTM 2011).

On behalf of the Missouri Department of Natural Resources (MDNR) – Brownfields/Voluntary Cleanup Program (BVCP), Seagull Environmental Technologies, Inc. (Seagull) conducted a Phase I Environmental Site Assessment (ESA) of the subject property in October 2016, and identified the following recognized environmental conditions (REC):

- A multimedia inspection by EPA revealed improper storage and handling of chemicals, including more than 300 containers of various materials throughout the building.
- The property was identified as HPI Products in the Resource Conservation and Recovery Act (RCRA) Non-generator/No Longer Regulated (NLR), EPA Watchlist, and Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) databases.
- The subject property historically hosted an automotive sales and repair shop.
- North adjacent properties were used historically for auto repair.

Purposes of this Phase II TBA were to (1) confirm or eliminate the RECs identified during the Phase I ESA, (2) acquire information regarding the nature of contamination (if present) that would support informed business decisions about the property, and (3) where applicable, satisfy the innocent purchaser defense under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (ASTM 2011). Samples of soil, groundwater, floor drain sediment, floor sweepings, and water from inside floor drains were collected during the Phase II TBA to confirm or eliminate RECs, and to identify

the nature of contamination (if present) and risks posed by that contamination. Building material samples were also collected to confirm or eliminate environmental concerns regarding asbestos-containing material (ACM) and polychlorinated biphenyls (PCB), and areas of suspect lead-based paint (LBP) were screened to identify adverse environmental impacts.

Soil sample analytical results from this TBA were compared to EPA Regional Screening Levels (RSL) for industrial soil (EPA 2017), Missouri Risk-based Corrective Action (MRBCA) lowest Default Target Levels (DTL), and MRBCA Tier 1 Risk-based Target Levels (RBTL) for Type 1 (sandy) soils (non-residential) (Missouri Department of Natural Resources [MDNR] 2006). Analytical results for Resource Conservation and Recovery Act (RCRA) metals in soils were also compared to U.S. Geological Survey (USGS)-reported average background concentrations in Buchanan County, Missouri (USGS 2018). Analytical results from groundwater samples were compared to EPA Maximum Contaminant Levels (MCL), MRBCA DTLs, and MRBCA Tier 1 non-residential RBTLs for groundwater via dermal contact in Type 1 (sandy) soils.

Review of analytical data led to the following significant findings:

Surface Soil

During the Phase II TBA, 10 soil samples were collected at 10 ten boring locations within intervals less than 3 feet below ground surface (bgs), which is categorized as surface soil by MDNR. The surface soil samples were collected at select locations to assess potential impacts related to the RECs cited above. Surface soil samples were submitted to Pace Analytical Services, LLC (Pace) for analyses for volatile organic compounds (VOC), semivolatile organic compounds (SVOC), pesticides, herbicides, total petroleum hydrocarbons (TPH) – gasoline-range organics (GRO), TPH – diesel-range organics (DRO), TPH – oil-range organics (ORO), RCRA metals including mercury, nitrate/nitrite, sulfate, and pH.

Review of the laboratory analytical data indicated that while several samples contained detectable concentrations of VOCs, SVOCs, pesticides, herbicides, TPH, metals, and nitrogen and sulfate, only the metals arsenic, barium, cadmium, and lead were detected at concentrations exceeding regulatory screening levels. Review of analytical data indicated the following significant findings:

> Arsenic and lead were detected in all 10 surface soil samples at concentrations exceeding MRBCA DTLs. Reported arsenic concentrations in all samples also exceeded the EPA RSL for industrial soil. Only one reported arsenic concentration, detected in the sample from SB-4, exceeded the MRBCA Tier 1 RBTL for non-residential land use. One arsenic detection and several lead detections exceeded the respective USGS-established mean background concentrations in Buchanan County, Missouri.

Subsurface Soil

During the Phase II TBA, 24 subsurface soil samples were collected at 16 boring locations to assess potential impacts related to the RECs cited above. Subsurface soil samples were submitted to Pace for analyses for VOCs, SVOCs, pesticides, herbicides, TPH-GRO, TPH-DRO, TPH-ORO, RCRA metals including mercury, nitrate/nitrite, sulfate, and pH.

Review of the laboratory analytical data indicated that while several samples contained detectable concentration of VOCs, SVOCs, pesticides, herbicides, TPH, metals, nitrogen and sulfate, concentrations of only two VOCs (bromomethane and methylene chloride) in one sample and of several metals (arsenic, lead, and mercury) exceeded regulatory screening levels. Notable findings include the following:

- Subsurface soil sample SB-16 (13-15) contained concentrations of bromomethane and methylene chloride that exceeded MRBCA DTLs, but were below EPA RSLs and MRBCA Tier 1 RBTLs for non-residential land use. No other subsurface soil sample (including the sample from the 3- to 5-foot bgs interval of SB-16) contained a VOC at concentration exceeding a regulatory screening level.

- Arsenic and lead were detected in all 24 subsurface soil samples at concentrations exceeding MRBCA DTLs. Arsenic concentrations in all samples also exceeded the EPA RSL for industrial soil. None of the lead detections exceeded the MRBCA Tier 1 RBTL for subsurface soil in non-residential land use. Additionally, several detections of arsenic, lead, and mercury exceeded the respective USGS-established mean background concentrations in Buchanan County, Missouri. No Tier 1 RBTL for arsenic in subsurface soil in non-residential land use has been established.

Groundwater

Seventeen groundwater samples were collected at the 16 soil boring locations to assess impacts on groundwater from historical and current site activities. Groundwater samples were submitted to Pace for analyses for VOCs, SVOCs, pesticides, herbicides, TPH-GRO, TPH-DRO, TPH-ORO, total and dissolved RCRA metals including mercury, nitrogen, sulfate, and pH.

Laboratory analytical data indicated that while several samples contained detectable concentrations of VOCs, SVOCs, pesticides, herbicides, TPH, metals, and nitrogen and sulfate, only TPH-DRO in one sample and several metals were detected at concentrations exceeding regulatory screening levels. Review of analytical data indicated the following significant findings:

- The groundwater sample collected at soil boring location SB-2 contained TPH-DRO at concentration exceeding the MRBCA DTL but not the Tier 1 RBTL for groundwater for non-residential land use. No EPA MCL has been established for TPH.

- The metals arsenic, barium, cadmium, chromium, lead, and/or selenium were detected in all 17 groundwater samples analyzed for total metals at concentrations exceeding EPA MCLs and MRBCA DTLs. The only exceedance of a MRBCA Tier 1 RBTL for non-residential land use was the arsenic concentration in the sample from SB-15.

- Analytical data from samples analyzed for dissolved metals indicated only one detection of arsenic (in sample SB-11) exceeding the EPA MCL and the MRBCA DTL, but not the Tier 1 RBTL for non-residential land use. No other detection of a dissolved metal in other samples exceeded a screening value.

Floor Drain and Floor Sweeping Samples

One composite sample was collected from each of the following: sediment from floor drains, water from floor drains, and floor sweeping debris from the former manufacturing area. The three samples were collected to assess presence of any residual contamination from waste products on site. The composite samples were submitted to Pace for analyses for VOCs, SVOCs, pesticides, herbicides, TPH-GRO, TPH-DRO, TPH-ORO, total and dissolved (water sample only) RCRA metals including mercury, nitrogen, sulfate, and pH.

Results from those samples were compared to EPA RSLs/MCLs, MRBCA DTLs, and Tier 1 RBTLs for reference only, as these benchmarks are not directly applicable to the media of those samples. Review of analytical data indicated the following significant findings:

- Eight VOCs were detected in one or more samples collected from floor drains and floor sweepings. No detection exceeded a screening value.

- Five SVOCs were detected in one or more samples collected from floor drains and floor sweepings. The only analyte concentration exceeding a screening value was that of 2-methylnaphthalene in the floor drain sediment sample, exceeding the MRBCA DTL but not the Tier 1 RBTL for surface soil in non-residential land use.

- Twelve pesticides and three herbicides were detected in one or more samples collected from floor drains and floor sweepings. Comparisons of data to EPA RSLs/MCLs, MRBCA DTLS, and Tier 1 RBTLs indicated that concentrations of four pesticides exceeded EPA RSLs/MCLs and/or MRBCA DTLs. No reported concentration exceeded a MRBCA Tier 1 RBTL for non-residential land use.

- TPH-DRO and TPH-ORO were detected in the floor drain sediment sample and the floor sweeping sample. TPH-DRO detections exceeded the MRBCA DTL but not the Tier 1 RBTL. Only TPH-ORO was detected in the water sample collected from floor drains. TPH-GRO was not detected in any sample collected from floor drains or floor sweepings.

- All floor drain and floor sweeping samples contained one or more RCRA metals, but only arsenic and lead concentrations exceeded screening levels. Arsenic concentrations in the floor drain sediment, water, and floor sweeping samples exceeded the EPA RSL/MCL and MRBCA DTL. Arsenic concentration in the floor drain sediment sample also exceeded the MRBCA Tier 1 RBTL for surface soil in non-residential land use. Lead concentration exceeded the MRBCA DTL in the floor drain sediment sample. Lead concentrations in the floor sweeping sample and the floor drain water sample exceeded the MRBCA DTL and the EPA RSL/MCL. Lead concentration in the floor sweeping sample also exceeded the MRBCA Tier 1 RBTL for surface soil in non-residential land use.

Results of sampling during this Phase II TBA indicated only minimal detections of contaminants in surface soil, subsurface soil, and groundwater at the site. Most notable were detections of metals in all media at concentrations exceeding one or more EPA or MDNR screening levels. However, all metals detected are naturally occurring, and many reported concentrations were below USGS-established mean background concentrations in Buchanan County, Missouri. Other than the metals detections, only one subsurface soil sample contained concentrations of VOCs, and one groundwater sample contained a TPH-DRO concentration exceeding the MRBCA DTL. Samples collected from floor drains and floor sweepings contained a larger number of contaminants including VOCs, SVOCs, pesticides, herbicides, TPH, metals, nitrate, and sulfate.

Anticipated future use of the subject property is a parking lot for the adjacent St. Joseph Fire Department. Based on this anticipated future use, as well as natures and levels of analytes detected in soil and groundwater at the site, no exterior remediation may be necessary. MDNR may require formal enrollment of the site in the BVCP before evaluating the site. The MDNR BVCP likely would require preparation of a Risk Management Plan specifying controls implemented to limit exposure to identified contaminants, particularly those inside the building. An Analysis of Brownfields Cleanup Alternatives (ABCA), to be submitted separately, will present alternatives for remediating or limiting exposure to affected media at the site.

1.0 INTRODUCTION

The Tetra Tech, Inc. (Tetra Tech) Region 7 Superfund Technical Assessment and Response Team (START) was tasked by the U.S. Environmental Protection Agency (EPA) Region 7 Superfund Division to conduct a Phase II Targeted Brownfields Assessment (TBA) of the approximately 0.71-acre Mead Hansen Building site (the site or subject property), in St. Joseph, Buchanan County, Missouri. The subject property is currently unoccupied and includes one building and an asphalt parking area. The subject property has historically been occupied by a lumberyard, a car dealership, and service garage. The most recent usage of the subject property was as a chemical mixing and storage facility for HPI Products.

Seagull Environmental Technologies, Inc. (Seagull) conducted a Phase I Environmental Site Assessment (ESA) in October 2016 on behalf of the Missouri Department of Natural Resources (MDNR) – Brownfields/Voluntary Cleanup Section (BVCP), documenting several recognized environmental conditions (REC) related to historical and current uses of the property and adjacent properties (Seagull 2016). This Phase II TBA was conducted to confirm or eliminate those RECs and assess presence of asbestos-containing materials (ACM) and lead-based paint (LBP) associated with on-site structures. A hazardous materials survey report will be submitted under separate cover.

START conducted this Phase II TBA in accordance with the *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process*, ASTM International (ASTM) designation E1903-97-11, and otherwise in compliance with EPA's "All Appropriate Inquiries" Rule (AAI Rule) (40 *Code of Federal Regulations* [CFR] Part 312) (ASTM 2011).

1.1 PURPOSE

This Phase II TBA was conducted to confirm or eliminate RECs identified during the Phase I ESA with intent to acquire information regarding the nature of contamination (if present) that would support informed business decisions about the property and, where applicable, satisfy the innocent purchaser defense under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (ASTM 2011). RECs specified in the Phase I ESA report pertain to current and historical site uses and adjacent property uses. Samples of soil, groundwater, floor drain sediment, floor sweepings, and water from inside floor drains were collected during the Phase II TBA to confirm or eliminate RECs, and to identify the nature of contamination (if present) and risks posed by that contamination. Additionally, the TBA included an inspection of on-site structures for presence of ACM and LBP. All suspected ACM was

sampled to characterize and quantify the material; paint-covered surfaces were screened by use of an x-ray fluorescence (XRF) spectrometer to identify and quantify any LBP.

1.2 SPECIAL TERMS AND CONDITIONS

No special terms or conditions were identified during the Phase II TBA.

2.0 BACKGROUND AND SITE HISTORY

This section briefly describes the site and physical setting, recounts site history, discusses land uses at the site and adjacent properties, and summarizes previous assessments.

2.1 SITE DESCRIPTION AND FEATURES

The site is a 0.71-acre property that hosts a vacant industrial building with an asphalt parking lot on the north-central portion. The site includes 408 and 424 S. 8th Street in downtown St. Joseph, Buchanan County, Missouri.

2.2 PHYSICAL SETTING

The site is included on the St. Joseph North, Missouri, U.S. Geological Survey (USGS) 7.5- minute topographic series map (USGS 1997) (see Appendix A, Figure 1). The site is in the southwest quarter of Section 8, Township 57 North, Range 35 West. Coordinates at the approximate center of the site are 39.7637690 degrees north latitude and 94.8510450 degrees west longitude. The parcel identification number for the subject property is 06-3.0-08-004-003-055.000 (Buchanan County [BC], Missouri 2016).

2.2.1 Geologic Setting

The site is within Buchanan County in northwest Missouri. The site is mostly urban land, soils (U.S. Department of Agriculture [USDA] 2016). Generally, urban land soils have been modified by disturbance of natural layers. The site is at the boundary of the Missouri River's 500-year floodplain, between the Missouri and Mississippi River Alluvium and Northwestern Missouri Groundwater Provinces. Geology in the region is generally characterized by unconsolidated alluvial deposits that overlie Pennsylvanian-aged bedrock of the Lansing Group, which consists primarily of limestone and shale.

2.2.2 Hydrogeology

Groundwater in the site area likely flows west-southwest (following the topographic gradient) toward the Missouri River. Depth to groundwater in the site area is believed to range from 10 to 20 feet below ground surface (bgs). Potable water in the site area is supplied by Missouri American Water, and is obtained from groundwater sources along the Missouri River north of St. Joseph.

2.2.3 Hydrology

Runoff from precipitation at the site likely flows over paved surfaces toward the south, where it is directed into stormwater inlets along S. 8th Street and along Angelique Street.

2.3 SITE HISTORY AND LAND USE

Based on a review of historical sources, the site was developed as early as 1883. The subject property is occupied by a vacant industrial building and an asphalt parking lot in downtown St. Joseph. Historical documents and interviews indicate the subject property was previously occupied by a lumberyard, residential dwellings, car dealership and service garage, and jewelry store; the most recent occupant was a storage/dry chemical mixing facility for HPI Products—a contract packaging, liquid, dry, and formulation company serving agricultural, industrial, detergent, and chemical markets (Seagull 2016).

2.4 ADJACENT PROPERTY USE

The subject property lies within a commercial and industrial area in the central business district of St. Joseph. The site is bounded north by an imported foods and beauty supply store and Sylvanie Street, east by S. 8th Street with an International Brotherhood of Electrical Workers building and metal service shop beyond, south by Angelique Street with a motor shop beyond, and west by an alleyway with an auto repair shop, vacant lot, and St. Joseph Fire Department beyond.

2.5 SUMMARY OF PREVIOUS ASSESSMENTS

Seagull conducted a Phase I ESA of the subject property in October 2016, and identified the following RECs:

- A multimedia inspection by EPA revealed improper storage and handling of chemicals, including more than 300 containers of various materials throughout the building.
- The property was identified as HPI Products in the Resource Conservation and Recovery Act (RCRA) Non-generator/No Longer Regulated (NLR), EPA Watchlist, and Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) databases.
- The subject property historically hosted an automotive sales and repair shop.
- North adjacent properties were used historically for auto repair.

3.0 PHASE II TARGETED BROWNFIELDS ASSESSMENT ACTIVITIES

The following subsections describe the scope, field exploration, and methods implemented during the Phase II TBA. START members John Simpson and Kirk Mammoliti sampled soil, groundwater, sediment and water from floor drains, and floor sweepings from January 22 through 26, 2018. START members Megan Sawyer and John Simpson conducted a survey to assess presence of ACM, LBP, and PCB-containing caulk on December 19, 2017. A Targeted Brownfields Assessment Survey Report for asbestos, LBP, and polychlorinated biphenyls (PCB) will be submitted under separate cover. Photographs taken to document Phase II TBA field activities are in Appendix B. Phase II TBA activities were recorded in a site logbook, a copy of which is in Appendix C.

3.1 SCOPE OF THE ASSESSMENT

START conducted environmental sampling to determine if surface and subsurface soils, groundwater, sediment and water in floor drains, and floor surfaces have been contaminated by current and/or historical activities at the subject property. Sampling accorded with the Quality Assurance Project Plan (QAPP) approved by EPA on November 15, 2017 (Tetra Tech 2017).

3.1.1 Sampling Plan

The proposed sampling scheme for this project incorporated a combination of biased and judgmental sampling and definitive laboratory analysis, in accordance with procedures included in the *Guidance for Performing Site Inspections under CERCLA*, Office of Solid Waste and Emergency Response (OSWER) Directive #9345.1-05, September 1992. All samples were submitted for analysis to an off-site laboratory subcontracted by START. Objectives of sampling soil, groundwater, floor drain sediment, floor sweepings, and water from inside floor drains were to characterize possible releases to the environment. Appendix A, Figure 2 depicts soil boring locations at the site. Sampling at the site was as follows:

- Ten soil borings (SB-1 through SB-10) were advanced inside the building by use of Geoprobe direct-push technology (DPT). Two to three soil samples were collected from each soil boring within intervals of 0-1, 0-3, and 3-5 feet bgs. At SB-2, a third depth interval (12-14 feet bgs) was sampled because evidence of potential impact was observed therein.

- Six soil borings (SB-11 through SB-16) were advanced by use of DPT at exterior locations surrounding the building. Two to three soil samples were collected from each boring. Depth intervals sampled were 3-5 and 13-15 feet bgs unless indication of potential impact was detected at other depth intervals, which occurred within 10-12 feet bgs at SB-13, and 13-14 and 14-15 feet bgs at SB-15.

- Seventeen groundwater samples were collected at the 16 boring locations. One groundwater sample was collected from the first encountered groundwater (approximately 10-15 feet bgs) at each boring, and an additional sample was collected at approximately 60 feet bgs at SB-11.

- One composite sample was collected from each of sediment and water collected in floor drains throughout the inside of the building, and floor sweepings of accumulated debris inside the former manufacturing area.

3.1.2 Chemical Testing Plan

Laboratory analyses for chemical parameters were selected based on possibly present contaminants associated with current and historical uses of the subject property. All samples were submitted to Pace Analytical Services, LLC (Pace) of Lenexa, Kansas, for analyses for the following parameters: volatile organic compounds (VOC), semivolatile organic compounds (SVOC), total petroleum hydrocarbons (TPH)-gasoline range organics (GRO), TPH-diesel range organics (DRO), TPH-oil range organics (ORO), Resource Conservation and Recovery Act (RCRA) metals, organochlorine and organophosphate pesticides, herbicides, nitrogen, and sulfate.

3.1.3 Deviations from the QAPP

The following deviations from the QAPP occurred during Phase II TBA activities:

- START was unable to probe at two of the proposed boring locations in the basement of the building because of limited Geoprobe access and partial collapse of the building structure. One location was relocated south outside the building in the sidewalk. One boring was relocated to the parking area north of the building.

- Five of the six outside borings lacked sufficient groundwater to allow for sample collection at a deep sample interval as originally proposed.

- The water sample collected from boring SB-15 was not analyzed for the full list of proposed analytes due to insufficient water in the temporary well and slow recharge.

3.2 FIELD EXPLORATION AND METHODS

Field activities at the site occurred from January 22 through 26, 2018. Samples were delivered daily to Pace in Lenexa, Kansas, via courier from January 23 through 26, 2018. The following sections summarize sampling of soil, groundwater, floor drain sediment and water, and floor sweepings. Boring locations are depicted on Figure 2 in Appendix A.

3.2.1 Soil Sampling

Thirty-three soil samples were collected during Phase II activities at select locations to investigate possibly present contamination from historical activities at the site (see Appendix A, Figure 2). To confirm or eliminate RECs identified in the Phase I ESA (Seagull 2016), borings were advanced as follows: 10 inside the building (including three from the basement level), five surrounding the exterior of the building, and one in the parking area north of the building. Sampling proceeded by use of a Geoprobe® DPT rig. Soil cores were collected by use of Geoprobe 3- to 5- foot-long, Macro-Core samplers with disposable polyvinyl chloride (PVC) liners. The soil borings inside the building were advanced to depths at which groundwater was encountered, approximately 12 to 16 feet bgs. The exterior soil borings were advanced to depths of first encountered water, resulting in total boring depths of approximately 15-22 feet bgs. The exterior borings were then blind driven using the existing borehole to total depth of geologic refusal, approximately 50-60 feet bgs, in efforts to collect additional groundwater samples from a deep interval.

All soil boring cores were field-screened by use of a photoionization detector (PID). Soil samples were collected within intervals inducing elevated PID readings, showing staining, or exhibiting other indicators of possible contamination. In the absence of any indication of contamination, intervals sampled from the inside borings included 0-1 and 3-5 feet bgs (a soil sample was collected within 0-3 feet bgs at SB-9 because of low recovery). A third depth interval (12-14 feet bgs) was sampled at one soil boring (SB-2) where evidence of potential impact was detected. Depth intervals sampled from the exterior borings included 3-5 and 13-15 feet bgs except where indications of potential impact were detected at differing depths—10-12 feet bgs at boring SB-13, and 13-14 and 14-15 feet bgs at boring SB-15. PID results and soil boring logs are in Appendix D.

Soil samples for analyses for VOCs and TPH-GRO (analyzed via SW-846 Method 8260) were collected following EPA Method 5035, which involved collecting approximately 5 grams of soil into three 40-milliliter (mL) vials directly from the undisturbed core by use of a disposable volatile organic analysis (VOA) plunger. Two vials were preserved with sodium bisulfate and one vial was preserved with methanol. Remaining soil from each sample interval was homogenized and placed into six 4-ounce jars for analyses for SVOCs (via SW-846 Method 8270), TPH-DRO (via SW-846 Method 8270), TPH-ORO (via SW-846 Method 8270), RCRA metals (via SW-846 Method 6010) (including mercury [via SW-846 Method 7471]), organochlorine pesticides (via SW-846 Method 8081), organophosphate pesticides (via SW-846 Method 8141), chlorinated herbicides (via SW-846 Method 8151), nitrate/nitrite (via Method 9056), sulfate (via SW-846 9056), and percent moisture.

Each sample was labeled and packaged accordingly, and placed in a cooler maintained at or below a temperature of 4 degrees Celsius (°C) from time of collection until submittal to Pace for analysis. After completion of sampling, all DPT boreholes were plugged with bentonite from bottom of hole to ground surface. Table 1 below summarizes soil samples collected during this Phase II TBA.

TABLE 1

SOIL SAMPLE SUMMARY
MEAD HANSEN BUILDING
ST. JOSEPH, MISSOURI

Boring ID	Sample ID(s)	Depth Interval (ft bgs)	Latitude (°N)	Longitude (°W)	Analyses Performed
SB-1	SB-1(0-1)	0-1	39.76356	94.85122	VOCs, SVOCs, TPH-GRO, TPH-DRO, TPH-ORO, Metals (including mercury), pesticides, herbicides, nitrate/nitrite, sulfate, and pH
	SB-1(3-5)	3-5			
SB-2	SB-2(0-1)	0-1	39.76352	94.85108	
	SB-2(3-5)	3-5			
	SB-2(12-14)	12-14			
SB-3	SB-3(0-1)	0-1	39.76361	94.85108	
	SB-3(3-5)	3-5			
SB-4	SB-4(0-1)	0-1	39.76363	94.85124	
	SB-4(3-5)	3-5			
SB-5	SB-5(0-1)	0-1	39.76371	94.85123	
	SB-5(3-5)	3-5			
SB-6	SB-6(0-1)	0-1	39.76371	94.85110	
	SB-6(3-5)	3-5			
SB-7	SB-7(0-1)	0-1	39.76375	94.85114	
	SB-7(3-5)	3-5			
SB-8	SB-8(0-1)	0-1	39.76376	94.85096	
	SB-8(3-5)	3-5			
SB-9	SB-9(0-3)	0-3	39.76371	94.85087	
	SB-9(3-5)	3-5			
SB-10	SB-10(0-1)	0-1	39.76362	94.85092	
	SB-10(3-5)	3-5			
SB-11	SB-11(3-5)	3-5	39.76379	94.85081	
	SB-11(13-15)	13-15			
SB-12	SB-12(3-5)	3-5	39.76344	94.85131	
	SB-12(13-15)	13-15			

TABLE 1 (Continued)

SOIL SAMPLE SUMMARY
MEAD HANSEN BUILDING
ST. JOSEPH, MISSOURI

Boring ID	Sample ID(s)	Depth Interval (ft bgs)	Latitude (°N)	Longitude (°W)	Analyses Performed
SB-13	SB-13(3-5)	3-5	39.76369	94.85132	VOCs, SVOCs, TPH-GRO, TPH-DRO, TPH-ORO, Metals (including mercury), pesticides, herbicides, nitrate/nitrite, sulfate, and pH
	SB-13(10-12)	10-12			
SB-14	SB-14(3-5)	3-5	39.76397	94.85114	
	SB-14(13-15)	13-15			
SB-15	SB-15(3-5)	3-5	39.76344	94.85110	
	SB-15(13-14)	13-14			
	SB-15(14-15)	14-15			
SB-16	SB-16(3-5)	3-5	39.76343	94.85081	
	SB-16(13-15)	13-15			

Notes:

Latitude and longitude obtained from WGS 1984 data.

° Decimal degrees
DRO Diesel-range organics
ft bgs Feet below ground surface
GRO Gasoline-range organics
ID Identification
N North
ORO Oil-range organics
RCRA Resource Conservation and Recovery Act
SVOC Semivolatile organic hydrocarbon
SB Soil boring
TPH Total petroleum hydrocarbons
VOC Volatile organic compound
W West
WGS World Geodic System

3.2.2 Groundwater Sampling

A total of 17 groundwater samples were collected at the 16 boring locations (see Appendix A, Figure 2). At each boring location, groundwater samples were collected at depth of first encountered groundwater, approximately 11 to 30 feet bgs. One additional groundwater sample was collected at boring location SB-11 at a deeper interval (approximately 60 feet bgs). The remaining exterior soil borings lacked sufficient groundwater at the deeper interval to allow sample collection.

Groundwater samples of shallow groundwater were collected from open borings by use of polyethylene tubing and a ball check valve. The sample from the deep interval at boring SB-11 was collected by use of a Geoprobe Screen Point 16 sampling apparatus containing a stainless-steel screen. At each boring location, approximately 1 gallon of water was purged through disposable polyethylene tubing equipped with a check valve placed at the bottom of the tubing.

Groundwater samples for analyses for low-level VOCs and TPH-GRO via SW-846 Method 8260 were collected into six 40-mL vials preserved with hydrochloric acid (HCl). Samples for analysis for SVOCs (via SW-846 Method 8270) were collected in two unpreserved 500-mililter (mL) amber glass bottles. Samples for analyses for TPH DRO/ORO (via SW-846 Method 8270) were collected in two unpreserved 100-mL amber glass bottles. Samples for analyses for RCRA metals (via SW-846 Method 6010) (including mercury [via SW-846 Method 7471]) were collected in two 250-mL containers (one for total metals and one for dissolved metals)—one preserved with nitric acid (HNO_3) and one unpreserved. Samples for dissolved metals analysis were filtered in the lab through a 0.45-micrometer filter. Samples for analysis for organochlorine pesticides (via SW-846 Method 8081) were collected in two 1-liter (L) amber glass bottles. Samples for analyses for organophosphate pesticides (via SW-846 Method 8141) and chlorinated herbicides (via SW-846 Method 8151) were collected in three 1-L amber glass bottles. Samples for analysis for nitrogen (via Method 353.2) were collected in one 250-mL plastic bottle preserved with sulfuric acid (H_2SO_4). Samples for analysis for sulfate (via SW-846 9056) were collected in one 250-mL unpreserved plastic bottle.

Each sample was labeled and packaged accordingly, and placed in a cooler maintained at or below a temperature of 4° C from time of collection until submittal to Pace for analyses. After completion of sampling, all DPT wells were plugged with bentonite from bottom of hole to ground surface. Table 2 below summarizes groundwater samples collected during this Phase II TBA.

TABLE 2

GROUNDWATER SAMPLE SUMMARY
MEAD HANSEN BUILDING
ST. JOSEPH, MISSOURI

Boring ID	Sample ID(s)	Sample Depth (ft bgs)	Latitude(°N)	Longitude(°W)	Analyses Performed
SB-1	SB-1	15	39.76356	94.85122	VOCs, SVOCs, TPH-GRO, TPH-DRO, TPH-ORO, total and dissolved RCRA Metals (including mercury), pesticides, herbicides, nitrogen, sulfate, and pH
SB-2	SB-2	15	39.76352	94.85108	
SB-3	SB-3	15	39.76361	94.85108	
SB-4	SB-4	15	39.76363	94.85124	
SB-5	SB-5	15	39.76371	94.85123	
SB-6	SB-6	15	39.76371	94.85110	
SB-7	SB-7	15	39.76375	94.85114	
SB-8	SB-8	15	39.76376	94.85096	
SB-9	SB-9	11	39.76371	94.85087	
SB-10	SB-10	15	39.76362	94.85092	

TABLE 2 (Continued)

GROUNDWATER SAMPLE SUMMARY
MEAD HANSEN BUILDING
ST. JOSEPH, MISSOURI

Boring ID	Sample ID(s)	Sample Depth (ft bgs)	Latitude(°N)	Longitude(°W)	Analyses Performed
SB-11	SB-11	30	39.76379	94.85081	VOCs, SVOCs, TPH-GRO, TPH-DRO, TPH-ORO, total and dissolved RCRA Metals (including mercury), pesticides, herbicides, nitrogen, sulfate, and pH
	SB-11D*	60			
SB-12	SB-12	15	39.76344	94.85131	
SB-13	SB-13	14	39.76369	94.85132	
SB-14	SB-14	17	39.76397	94.85114	
SB-15	SB-15**	17	39.76344	94.85110	
SB-16	SB-16	20	39.76343	94.85081	

Notes:

Latitude and longitude obtained from WGS 1984 data.

* Sample SB-11D analyzed only for VOCs, TPH-GRO, TPH-DRO, TPH-ORO, and total and dissolved RCRA metals (including mercury) because of insufficient volume of groundwater in the boring.

** Sample SB-15 analyzed only for VOCs, TPH-GRO, and total and dissolved RCRA metals (including mercury) because of insufficient volume of groundwater in the boring.

°	Decimal degrees
DRO	Diesel range organics
ft bgs	Feet below ground surface
GRO	Gasoline range organics
ID	Identification
N	North
ORO	Oil range organics
RCRA	Resource Conservation and Recovery Act
SVOC	Semivolatile organic hydrocarbon
SB	Soil boring
TPH	Total petroleum hydrocarbons
VOC	Volatile organic compound
W	West
WGS	World Geodic System

3.2.3 Floor Drain and Floor Sweeping Sampling

Composite samples were collected from sediment and water collected in floor drains throughout the inside of the building, and from floor sweepings of debris from the floor throughout the former manufacturing area. These samples were collected to assess if any residual waste materials from former operations remained on site. The composite floor drain samples and floor sweeping sample were analyzed for the same parameters via the same methods listed above for soil and groundwater samples.

Each sample was labeled and packaged accordingly, and placed in a cooler maintained at or below a temperature of 4° C from time of collection until submittal to Pace for analysis. Table 3 below summarizes floor drain and floor sweeping samples collected during this Phase II TBA.

TABLE 3

FLOOR DRAIN AND FLOOR SWEEPING SAMPLE SUMMARY
MEAD HANSEN BUILDING
ST. JOSEPH, MISSOURI

Sample ID(s)	Sample Type	Analyses Performed
Floor Drain Sediment	Sediment	VOCs, SVOCs, TPH-GRO, TPH-DRO, TPH-ORO, RCRA Metals (including mercury), pesticides, herbicides, nitrate/nitrite, sulfate, and pH
Floor Sweeping	Floor Sweeping	
Floor Drain Water	Water	VOCs, SVOCs, TPH-GRO, TPH-DRO, TPH-ORO, total and dissolved RCRA Metals (including mercury), pesticides, herbicides, nitrogen, sulfate, and pH

Notes:

DRO Diesel-range organics
GRO Gasoline-range organics
ID Identification
ORO Oil-range organics
RCRA Resource Conservation and Recovery Act
SVOC Semivolatile organic hydrocarbon
TPH Total petroleum hydrocarbons
VOC Volatile organic compound

3.2.4 Quality Control Sampling

Field quality control (QC) sampling for this investigation included one laboratory-supplied aqueous trip blank, one laboratory-supplied soil trip blank, and one equipment rinsate blank. The aqueous and soil trip blanks were analyzed by Pace for VOCs. The equipment rinsate blank was analyzed for VOCs, SVOCs, RCRA metals (including mercury), organochlorine pesticides, organophosphate pesticides, chlorinated herbicides, nitrogen, and sulfate. Analytical data from trip blanks were referenced to determine whether contamination had been introduced during transportation of containers and samples. Analytical data from the equipment rinsate blank were used to verify that equipment had been properly decontaminated after sampling at each location, and that cross-contamination had not occurred.

4.0 EVALUATION AND PRESENTATION OF RESULTS

The following sections present analytical data from soil, groundwater, sediment, water, and floor sweeping samples collected during the Phase II TBA. Soil sample results from this TBA were compared to EPA Regional Screening Levels (RSL) for industrial soil (EPA 2017), Missouri Risk-based Corrective Action (MRBCA) lowest Default Target Levels (DTL), and MRBCA Tier 1 Risk-based Target Levels (RBTL) for Type 1 (sandy) soils (non-residential) (Missouri Department of Natural Resources [MDNR] 2006). Soil samples from 0-3 feet bgs are classified by MDNR as surficial soil, and data from these samples were compared to Tier 1 RBTLs for surficial soil. Data from samples collected at depths greater than 3 feet bgs were compared to Tier 1 RBTLs for subsurface soil. Results for RCRA metals in soils and sediment were also compared to USGS-reported mean background concentrations in Buchanan County, Missouri (USGS 2018). Analytical results from groundwater samples were compared to EPA Maximum Contaminant Levels (MCL), MRBCA DTLs, and MRBCA Tier 1 non-residential RBTLs for groundwater via dermal contact in Type 1 (sandy) soils.

Comparisons of analytical data to applicable screening values appear in Appendix E, Tables E-1 through E-24. Copies of analytical data packages and a data validation report are in Appendix F.

4.1 SURFACE SOIL SAMPLES

Ten surface soil samples were collected from beneath the building foundation at 10 soil boring locations throughout the interior of the building to assess impacts on soil from historical site activities. Soil samples were submitted to Pace for analyses for VOCs, SVOCs, pesticides, herbicides, TPH-GRO, TPH-DRO, TPH-ORO, RCRA metals including mercury, nitrate/nitrite, sulfate, and pH. Tables E-1 through E-6 in Appendix E summarize analytical data from all surface soil samples collected during this Phase II TBA.

VOCs

From the 10 soil borings advanced within the building, three VOCs were detected at concentrations above laboratory reporting limits in one or more samples collected within the 0- to 1-foot bgs interval (0-3 feet bgs at SB-9). Analytes detected were acetone, 2-butanone (methyl ethyl ketone [MEK]), and 1,1,1-trichloroethane. None of the reported detections exceeded an EPA RSL, MRBCA DTL, or Tier 1 RBTL. Table E-1 in Appendix E is a full summary of VOC detections in surface soil samples, and associated regulatory benchmarks.

SVOCs

From the 10 soil borings advanced within the building, 19 SVOCs were detected at concentrations above laboratory detection limits in one or more samples collected within the 0- to 1-foot bgs interval (0-3 feet bgs at SB-9). None of the reported detections exceeded an EPA RSL, MRBCA DTL, or Tier 1 RBTL. Table E-2 in Appendix E is a full summary of SVOC detections in surface soil samples, and associated regulatory benchmarks.

Pesticides and Herbicides

From the 10 soil borings advanced within the building, three pesticides were detected at concentrations above laboratory detection limits in one or more samples collected within the 0- to 1-foot bgs interval (0-3 feet bgs at SB-9). Detected pesticides were 4,4-dichlorodiphenyldichloroethene (DDE), Diazinon, and gamma-benzene hydrochloride (BHC) (Lindane). None of the reported detections of pesticides exceeded an EPA RSL, MRBCA DTL, or Tier 1 RBTL. No herbicide was detected at a level above analytical reporting limits in any surface soil sample. Table E-3 in Appendix E fully summarizes pesticide/herbicide analytical data from surface soil samples, and associated regulatory benchmarks.

TPH-GRO, TPH-DRO, and TPH-ORO

In no surface soil sample was TPH-GRO detected at a concentration above the laboratory reporting limit. TPH-DRO and TPH-ORO were detected in all surface soil samples at concentrations ranging from 3.4 to 159 milligrams per kilogram (mg/kg). No reported TPH-DRO or TPH-ORO concentration exceeded a MRBCA DTL or Tier 1 RBTL. Notably, no EPA RSLs for industrial soil have been established for TPH-GRO, TPH-DRO, or TPH-ORO. Table E-4 in Appendix E fully summarizes TPH-GRO, TPH-DRO, and TPH-ORO detections in surface soil samples, and associated regulatory benchmarks.

RCRA metals

Seven of the eight reported RCRA metals were detected at concentrations above laboratory reporting limits in one or more samples—only silver was undetected in surface soils during Phase II sampling. Table E-5 in Appendix E fully summarizes RCRA metals detections in surface soil, and associated regulatory benchmarks. Comparisons of analytical data to EPA RSLs for industrial soil, MRBCA DTLs, MRBCA Tier 1 non-residential RBTLs for surface soil, and Buchanan County mean background concentrations yielded the following notable results:

- Arsenic was reported in all 10 samples collected within the 0-1 foot interval (0-3 feet at SB-9) within the building. All reported concentrations exceeded the EPA RSL of 3 mg/kg and the MRBCA DTL of 3.89 mg/kg. One reported concentration of 20.1 mg/kg from the soil boring

from SB-4 exceeded the Tier 1 RBTL of 15.9 mg/kg and the USGS-established mean background concentration of 17.365 mg/kg for Buchanan County, Missouri.

- Barium was detected at concentrations above the laboratory reporting limit in all 10 surface soil samples; however, only one of the reported concentrations exceeded a regulatory benchmark. The sample collected from the soil boring from SB-5 contained a reported barium concentration of 4,650 mg/kg—exceeding the MRBCA DTL of 2,040 mg/kg but below the EPA RSL of 22,000 mg/kg and the Tier 1 RBTL of 181,000 mg/kg. USGS has not established a mean background concentration of barium in Buchanan County, Missouri.

- Cadmium was detected at concentrations above the laboratory detection limit in all 10 surface soil samples; however, only one of the reported concentrations exceeded exceeded a regulatory benchmark. The sample collected from the soil boring from SB-4 contained a reported cadmium concentration of 13 mg/kg—exceeding the MRBCA DTL of 9.31 mg/kg but below the EPA RSL of 98 mg/kg and the Tier 1 RBTL of 74.8 mg/kg. USGS has not established a mean background concentration of cadmium in Buchanan County, Missouri.

- Chromium was detected at concentrations above the laboratory detection limit in all 10 surface soil samples; however, no reported concentration exceeded the EPA RSL, MBRCA DTL, or Tier 1 RBTL. USGS has not established a mean background concentration of chromium in Buchanan County, Missouri.

- Lead was reported in all 10 surface soil samples at concentrations ranging from 12 to 480 mg/kg. Lead concentrations exceeded the MRBCA DTL of 3.74 mg/kg at all locations, and exceeded the USGS-established mean background concentration of 30.802 mg/kg at all but one location. No reported lead concentration exceeded the EPA RSL of 800 mg/kg or Tier 1 RBTL of 660 mg/kg.

- Mercury was reported in all 10 surface soil samples at concentrations exceeding the USGS-established mean background concentration of 0.017 mg/kg in Buchanan County, Missouri. However, no reported mercury concentration exceeded the EPA RSL of 4.6 mg/kg, MRBCA DTL of 2.19 mg/kg, or Tier 1 RBTL of 630 mg/kg.

Nitrate/Nitrite, Sulfate, and pH

Nitrite was not detected at concentration above the laboratory reporting limit in any of the 10 surface soil samples collected within the footprint of the building. Detections of nitrate and/or sulfate occurred in all soil samples collected within the 0- to 1-foot bgs interval (0-3 feet bgs at SB-9) of borings advanced inside the building. No nitrate detection exceeded the EPA RSL of 190,000 mg/kg; neither a MRBCA DTL nor a Tier 1 RBTL has been established for nitrate. The pHs of surface soil samples ranged from 6.8 to 10.4. Table E-6 in Appendix E fully summarizes detections in surface soil, and associated regulatory benchmarks.

4.2 SUBSURFACE SOIL SAMPLES

Twenty-four subsurface soil samples were collected at 16 soil boring locations to assess impacts on soil from historical site activities. Soil samples were submitted to Pace for analyses for VOCs, SVOCs, pesticides, herbicides, TPH-GRO, TPH-DRO, TPH-ORO, RCRA metals including mercury, nitrate/nitrite, sulfate, and pH. Tables E-7 through E-12 in Appendix E summarize analytical data from all subsurface soil samples collected during this Phase II TBA.

VOCs

Six VOCs were detected in one or more samples collected at the 16 soil boring locations. No VOCs were detected in subsurface soil samples collected from soil borings from SB-5, -7, -8, -9, or -10. All VOC detections reported were below applicable EPA RSLs, MRBCA DTLs, and Tier 1 RBTLs except for reported concentrations of bromomethane and methylene chloride in a sample collected within 13-15 feet bgs at soil boring SB-16 at the southeast corner of the building. Bromomethane was reported in that sample at 210 micrograms per kilogram (µg/kg)—exceeding the MRBCA DTL (18.5 µg/kg) but below the EPA RSL (3,000 µg/kg) and the Tier 1 RBTL (1,730 µg/kg). Methylene chloride was detected in that sample at 328 µg/kg—exceeding the MRBCA DTL of 17.6 µg/kg but below the EPA RSL (3,600,000 µg/kg) and the Tier 1 RBTL (1,110,000 µg/kg). Table E-7 in Appendix E fully summarizes VOC detections in subsurface soil samples, and associated regulatory benchmarks.

SVOCs

One or more SVOCs were identified in six subsurface soil samples. No reported detection exceeded an EPA RSL, MRBCA DTL, or Tier 1 RBTL. Table E-2 in Appendix E is a full summary of SVOC detections in subsurface soil samples, and associated regulatory benchmarks.

Pesticides and Herbicides

Pesticides and herbicides were detected in three of the 24 subsurface soil samples. Sample SB-1 (3-5) contained Diazinon at 192 µg/kg—below the MRBCA DTL (400 µg/kg), the EPA RSL (57,000 µg/kg), and the Tier 1 RBTL (506,000 µg/kg). The pesticide dieldrin was detected in sample SB-12 (13-15) at 13 µg/kg—well below the MRBCA DTL, the EPA RSL, and the Tier 1 RBTL. The herbicide 2,4-dichlorophenoxyacetic acid (2,4-D) was detected in sample SB-4 (3-5) at 19.9 µg/kg—well below the MRBCA DTL, the EPA RSL, and the Tier 1 RBTL. Table E-9 in Appendix E fully summarizes pesticide/herbicide analytical data from subsurface soil samples, and associated regulatory benchmarks.

TPH-GRO, TPH-DRO, and TPH-ORO

TPH-GRO was detected in two subsurface soil samples at 0.29 and 3.0 mg/kg. TPH-DRO and TPH-ORO were detected in at least one subsurface soil sample from each of the 16 soil boring locations. TPH-DRO concentrations ranged from 1.7 to 1,450 mg/kg. TPH-ORO concentrations ranged from 10.9 to 47.3 mg/kg. None of these concentrations exceeded any applicable MDNR regulatory benchmark. Notably, no EPA RSLs for industrial soil have been established for TPH-GRO, TPH-DRO, and TPH-ORO. Table E-10 in Appendix E fully summarizes TPH-GRO, TPH-DRO, and TPH-ORO detections in subsurface soil samples, and associated regulatory benchmarks.

RCRA Metals

Of the eight reported RCRA metals, seven were detected at concentrations above laboratory reporting limits in one or more samples—only silver was undetected in subsurface soils during Phase II sampling. Table E-11 in Appendix E fully summarizes RCRA metals detections in subsurface soil samples, and associated regulatory benchmarks. Comparisons of analytical data to EPA RSLs for industrial soil, MRBCA DTLs, MRBCA Tier 1 non-residential RBTLs for subsurface soil, and Buchanan County mean background concentrations yielded the following notable results:

- Arsenic was reported in all 24 samples collected within intervals deeper than 3 feet bgs. All reported concentrations exceeded the EPA RSL of 3 mg/kg and the MRBCA DTL of 3.89 mg/kg. Two reported concentrations of 17.7 and 26.8 mg/kg exceeded the USGS-established mean background concentration of 17.365 mg/kg in Buchanan County, Missouri. A Tier 1 RBTL for arsenic in subsurface soil has not been established.

- Barium was detected at concentrations above the laboratory reporting limit in all 24 subsurface soil samples; however, no reported concentration exceeded the EPA RSL, MBRCA DTL, or Tier 1 RBTL. USGS has not established a mean background concentration of barium in Buchanan County, Missouri.

- Cadmium was detected at concentrations above the laboratory reporting limit in 21 subsurface soil samples; however, no reported concentration exceeded the EPA RSL, MBRCA DTL, or Tier 1 RBTL. USGS has not established a mean background concentration of cadmium in Buchanan County, Missouri.

- Chromium was detected at concentrations above the laboratory reporting limit in all 24 subsurface soil samples; however, no reported concentration exceeded the EPA RSL, MBRCA DTL, or Tier 1 RBTL. USGS has not established a mean background concentration of chromium in Buchanan County, Missouri.

- Lead was reported in all 24 subsurface soil samples at concentrations ranging from 9.4 to 451 mg/kg. Lead concentrations exceeded the MRBCA DTL of 3.74 mg/kg at all locations, and exceeded the USGS-established mean background concentration of 30.802 mg/kg at four

locations. No reported lead concentration exceeded the EPA RSL of 800 mg/kg or the Tier 1 RBTL of 660 mg/kg.

- Mercury was reported in all 24 subsurface soil samples. One subsurface soil sample, SB-3 (3-5), contained mercury at 2.7 mg/kg, exceeding the MRBCA DTL of 2.16 mg/kg. Seventeen detections exceeded the USGS-established mean background concentration of 0.017 mg/kg in Buchanan County, Missouri. However, no reported mercury concentration exceeded the EPA RSL 0f 4.6 mg/kg, or the Tier 1 RBTL of 630 mg/kg.

Nitrate/Nitrite, Sulfate, and pH

Nitrate was detected at concentrations above the laboratory reporting limit in 11 of the 24 subsurface samples, and nitrite was detected in one of the 24 samples. Sulfate was detected in all but two of the 24 subsurface soil samples collected at depths exceeding 3 feet bgs. No nitrate or nitrite detection exceeded the EPA RSLs of 190,000 and 12,000 mg/kg, respectively. No EPA RSL has been established for sulfate, and no MRBCA DTLs or Tier 1 RBTLs have been established for nitrate, nitrite, or sulfate. The pHs of subsurface soil samples ranged from 7.0 to 9.5. Table E-12 in Appendix E fully summarizes detections in subsurface soil samples, and associated regulatory benchmarks.

4.3 GROUNDWATER SAMPLES

Seventeen groundwater samples were collected at the 16 soil boring locations to assess impacts on groundwater from historical site activities. Groundwater samples were submitted to Pace for analyses for VOCs, SVOCs, pesticides, herbicides, TPH-GRO, TPH-DRO, TPH-ORO, total and dissolved RCRA metals including mercury, nitrogen, sulfate, and pH. Tables E-13 through E-18 in Appendix E summarize analytical data from all groundwater samples collected during this Phase II TBA.

VOCs

Twelve VOCs were detected in one or more of the 17 groundwater samples. Five samples contained no VOC at concentration above a laboratory reporting limit. No concentration of a detected VOC exceeded any applicable EPA MCL, MRBCA DTL, and MRBCA Tier 1 non-residential RBTL for groundwater via dermal contact exposure. Table E-13 in Appendix E fully summarizes VOC detections in groundwater samples, and associated regulatory benchmarks.

SVOCs

Four SVOCs were identified in one or more groundwater samples. In seven samples, no SVOC was detected at concentration above a laboratory reporting limit, and one sample was not analyzed for SVOCs due to slow recharge of the temporary well. No SVOC detection exceeded any applicable regulatory benchmark. Table E-14 in Appendix E fully summarizes SVOC detections in groundwater samples, and associated regulatory benchmarks.

Pesticides and Herbicides

Two pesticides and three herbicides were detected at concentrations above laboratory reporting limits in one or more of the 17 groundwater samples. Five samples contained no detected pesticides or herbicides, and two samples were not analyzed for pesticides/herbicides due to slow recharge of groundwater in the temporary well. No detected concentration of a pesticide or herbicide exceeded an applicable EPA MCL, MRBCA DTL, or Tier 1 RBTL. Table E-15 in Appendix E fully summarizes pesticide/herbicide analytical data from groundwater samples, and associated regulatory benchmarks.

TPH-DRO, TPH-GRO, and TPH-ORO

TPH-DRO, and/or TPH-ORO were detected in 10 of the 17 groundwater samples at concentrations ranging from 0.13 to 75.4 milligrams per liter (mg/L). All detections were below MRBCA DTLs except for one TPH-DRO detection in the sample collected at SB-2. The reported TPH-DRO concentration in groundwater at location SB-2 was 75.4 mg/L—exceeding the MRBCA DTL of 34.3 mg/L but below the Tier 1 RBTL of 938 mg/L. TPH-GRO was not detected in any of the groundwater samples collected. Notably, no EPA MCLs for groundwater have been established for TPH-GRO, TPH-DRO, or TPH-ORO. Table E-16 in Appendix E fully summarizes TPH-GRO, TPH-DRO, and TPH-ORO detections in groundwater samples, and associated regulatory benchmarks.

RCRA Metals

All 17 groundwater samples analyzed for total RCRA metals contained detectable concentrations of one or more metals. Several detections in samples analyzed for total RCRA metals exceeded EPA MCLs and/or MRBCA DTLs. All detections were below Tier 1 RBTLs except for one detection of arsenic in the groundwater sample collected at SB-15 (1,070 µg/L, exceeding the Tier 1 RBTL of 578 µg/L). In the 16 groundwater samples analyzed for dissolved concentrations of RCRA metals, only one analyte in one sample exceeded an EPA MCL, MRBCA DTL, or Tier 1 RBTL—arsenic at 18.8 µg/L in the sample collected at boring SB-11, exceeding the EPA MCL and MRBCA DTL. Due to limited groundwater recharge, no sample for dissolved metals was collected from the temporary well at boring location SB-15.

Table E-17 in Appendix E fully summarizes total and dissolved TAL metals detections in groundwater samples, and associated regulatory benchmarks.

Nitrogen, Sulfate, and pH

Nitrogen (nitrate/nitrite) was detected at concentrations above laboratory reporting limits in all samples. No nitrogen (nitrate/nitrite) detection exceeded the EPA MCL of 10 mg/L. An EPA MCL has not been established for sulfate, and MRBCA DTLs and Tier 1 RBTLs have not been established for nitrogen and sulfate. The pHs of groundwater samples ranged from 7.0 to 7.6. Samples SB-11D and SB-16 were not analyzed for nitrogen, sulfate, or pH due to slow recharge of groundwater into the temporary well. Table E-18 in Appendix E fully summarizes detections in groundwater samples, and associated regulatory benchmarks.

4.4 FLOOR DRAIN AND FLOOR SWEEPING SAMPLES

One composite sample was collected from each of the following: sediment from floor drains, water from floor drains, and floor sweeping debris from the former manufacturing area. The samples were collected to assess if any residual contamination from waste products remained on site. The composite samples were submitted to Pace for analyses for VOCs, SVOCs, pesticides, herbicides, TPH-GRO, TPH-DRO, TPH-ORO, total and dissolved RCRA metals including mercury, nitrogen, sulfate, and pH. Results from those samples were compared to EPA RSLs/MCLs, MRBCA DTLs, and Tier 1 RBTLs for reference only, as these benchmarks are not directly applicable to the media of those samples. Tables E-19 through E-24 in Appendix E summarize analytical data from all floor drain and floor sweeping samples collected during this Phase II TBA.

VOCs

Eight VOCs were detected in one or more floor drain and floor sweepings samples. The composite sample of sediment from the floor drains inside the building was found to contain acetone and 2-butanone. The composite water sample from the floor drains contained acetone, benzene, 1,2-dichlorobenzene, 4-methyl-2-pentanone, toluene, and 1,2,4-trimethylbenzene. The floor sweeping sample contained acetone, 2-butanone, benzene, carbon disulfide, toluene, 1,2,4-trichloeobenzene, and 1,2,4-trimethylbenzene. No VOC concentration in the floor drain or floor sweeping samples exceeded an EPA RSL/MCL, MRBCA DTL, or Tier 1 RBTL. Table E-19 in Appendix E fully summarizes VOC detections in the floor drain/floor sweeping samples, and associated regulatory benchmarks.

SVOCs

The composite sediment sample collected from the floor drains contained four SVOCs: benzo(g,h,i)perylene, 1,4-dichlorobenzene, bis(2-ethylhexyl)phthalate, and 2-methylnaphthalene. The composite water sample from the floor drains contained benzoic acid. No SVOC was detected in the floor sweeping sample. The only SVOC concentration exceeding any applicable regulatory benchmark was that of 2-methynaphthalene in the floor drain sediment sample at 8,290 µg/kg, exceeding the MRBCA DTL of 7,550 µg/kg but below the Tier 1 RBTL of 3.59×10^{-6} µg/kg. Table E-20 in Appendix E fully summarizes SVOC detections in the floor drain/floor sweeping samples, and associated regulatory benchmarks.

Pesticides and Herbicides

Twelve pesticides and three herbicides were detected in one or more floor drain and floor sweeping samples. Of pesticide and herbicides detected, concentrations of alpha-BHC, gamma-BHC (Lindane), chlordane, and chlorpyrifos were found to exceed regulatory benchmarks. Comparisons of analytical data to EPA RSLs for industrial soil, MRBCA DTLs, MRBCA Tier 1 non-residential RBTLs for subsurface soil yielded the following notable results:

- The concentration of alpha-BHC detected in the floor drain sediment sample (62.1 µg/kg) exceeded the MRBCA DTL (12.7 µg/kg) but not the Tier 1 RBTL for surface soil (2,580 µg/kg) or the EPA RSL for industrial soil (360 µg/kg).

- The concentrations of gamma-BHC (Lindane) detected in both the floor drain sediment sample and the floor sweeping sample (629 µg/kg and 631 µg/kg, respectively) exceeded the MRBCA DTL (32.1 µg/kg) but not the Tier 1 RBTL for surface soil (14,600 µg/kg) or the EPA RSL for industrial soil (2,500 µg/kg). Gamma-BHC was detected in the floor drain water sample at a concentration of 0.4 µg/L which exceeded the MRBCA DTL and the EPA MCL (both 0.2 µg/L) but not the Tier 1 RBTL of 13.5 µg/L.

- Chlordane was reported in the floor sweeping sample at an estimated concentration of 21,300 µg/kg, exceeding the MRBCA DTL (5,400 µg/kg) and the EPA RSL for industrial soil (7,700 µg/kg), but not the Tier 1 RBTL for surface soil (48,700 µg/kg).

- The concentration of Chlorpyrifos detected in the floor sweeping sample (24,400 µg/kg) detected exceeded the MRBCA DTL of 8,160 µg/kg but not the Tier 1 RBTL for surface soil (1,850,000 µg/kg) or the EPA RSL for industrial soil (82,000 µg/kg).

Table E-21 in Appendix E fully summarizes pesticide and herbicides detections in floor drain and floor sweeping samples, and associated regulatory benchmarks.

TPH-GRO, TPH-DRO, and TPH-ORO

TPH-GRO was not detected in any floor drain or floor sweeping sample. TPH-DRO and TPH-ORO were detected in all three composite samples. Concentrations of TPH-DRO in the floor drain sediment and floor sweeping samples were 6,230 and 5410 mg/kg, respectively—exceeding the MRBCA DTL of 4,150 mg/kg but not the Tier 1 RBTL for surface soil of 1.41×10^6 mg/kg. TPH-ORO was detected in the floor drain sediment and the floor sweeping samples at concentrations of 9,360 and 29,800 mg/kg, respectively; however, neither exceeded the MRBCA DTL or Tier 1 RBTL. Results from the composite floor drain water sample indicated no detections of TPH-GRO and TPH-DRO above laboratory analytical reporting limits. TPH-ORO was detected in the floor drain water sample at 1.2 mg/L, below the MRBCA DTL of 31.8 mg/L. Notably, no EPA RSLs/MCLs have been established for TPH-GRO, TPH-DRO, or TPH-ORO. Table E-22 in Appendix E fully summarizes TPH-GRO, TPH-DRO, and TPH-ORO detections and associated regulatory benchmarks.

RCRA Metals

All eight RCRA metals were detected in both the floor drain sediment and floor sweeping samples. Six metals were detected in the floor drain water sample analyzed for total RCRA metals, and four metals were detected in the floor drain water sample analyzed for dissolved metals. Table E-23 in Appendix E fully summarizes RCRA metals detections and associated regulatory benchmarks.

The two metals reported at highest concentrations relative to regulatory benchmarks were lead and arsenic. Arsenic concentration in the floor drain sediment sample was 187 mg/kg—exceeding the EPA RSL of 3 mg/kg, the MRBCA DTL of 3.89 mg/kg, and the Tier 1 RBTL of 15.9 mg/kg. Arsenic concentration in the floor sweeping sample of 14.1 mg/kg exceeded the EPA RSL and the MRBCA DTL, but not the Tier 1 RBTL. Total arsenic concentration in the floor drain water sample (11.1 µg/L) exceeded the EPA MCL (10 µg/L) and the MRBCA DTL (10 µg/L), but not the Tier 1 RBTL (578 µg/L). Dissolved arsenic concentration of 4.9 µg/L did not exceed any regulatory benchmark.

Lead concentration in the floor drain sediment sample was 173 mg/kg, exceeding the MRBCA DTL of 3.74 mg/kg. Lead concentration in the floor sweeping sample (857 mg/kg) exceeded the EPA RSL of 800 mg/kg, the MRBCA DTL of 3.74 mg/kg, and the Tier 1 RBTL of 660 mg/kg. Total lead concentration in the floor drain water sample (30 µg/L) exceeded the EPA MCL (15 µg/L) and the MRBCA DTL (15 µg/L). No Tier 1 RBTL has been established for lead in groundwater. Lead was not detected above the laboratory analytical reporting limit in the floor drain water sample analyzed for dissolved RCRA metals.

Nitrogen, Sulfate, and pH

Nitrogen (nitrate/nitrite) and sulfate were detected at concentrations above laboratory reporting limits in one or more samples analyzed. No detection exceeded a regulatory benchmark. The pHs of the samples ranged from 7.0 to 8.0. Table E-24 in Appendix E fully summarizes measurements of nitrogen, sulfate, and pH, and associated regulatory benchmarks.

4.5 QUALITY CONTROL SAMPLES

Two trip blanks, one each for soil and water, were analyzed for VOCs. The trip blanks were included in the Phase II TBA to determine whether contamination had been introduced during transportation of containers and samples. One equipment rinsate blank was also collected to evaluate effectiveness of decontamination procedures. The equipment blank was analyzed for VOCs, SVOCs, pesticides, herbicides, TPH-GRO, TPH-DRO, TPH-ORO, RCRA metals including mercury, nitrogen, sulfate, and pH. Tables E-25 through E-30 in Appendix E fully summarize detections in QC samples. Review of QC sample data indicated the following:

- In the equipment rinsate blank sample, low levels of acetone, chloroform, and toluene were detected. All of these compounds are common laboratory contaminants, and because the detected concentrations were several orders of magnitude lower than regulatory values, comparisons between sample results and regulatory values remain valid.

- The common laboratory-related contaminant carbon disulfide was detected in the water trip blank sample.

5.0 DISCUSSION OF FINDINGS AND CONCLUSIONS

This section summarizes findings and offers conclusions regarding Phase II TBA field activities. A property profile form for the subject property is in Appendix G.

5.1 RECOGNIZED ENVIRONMENTAL CONDITIONS

The Phase I ESA completed by Seagull in October 2016 identified the following RECs:

- A multimedia inspection by EPA indicated improper storage and handling of chemicals, including more than 300 containers of various materials throughout the building.
- The property was identified as HPI Products in the RCRA Non-generator/NLR, EPA Watchlist, and CERCLIS databases.
- The subject property historically hosted an automotive sales and repair shop.
- North adjacent properties were used historically for auto repair.

The Phase I ESA thus concluded that additional investigation into subsurface conditions was warranted (Seagull 2016).

Surface Soil

During the Phase II TBA, 10 soil samples were collected within intervals above 3 feet bgs, which is categorized as surface soil by MDNR. The surface soil samples were collected at select locations to assess potential impacts related to the RECs cited above. Surface soil samples were submitted to Pace for analyses for VOCs, SVOCs, pesticides, herbicides, TPH-GRO, TPH-DRO, TPH-ORO, RCRA metals including mercury, nitrate/nitrite, sulfate, and pH. Review of the laboratory analytical data indicated that while several samples contained detectable concentration of VOCs, SVOCs, pesticides, herbicides, TPH, metals, and nitrogen and sulfate, only detections of several metals exceeded regulatory screening levels. Review of analytical data indicated the following significant findings:

> Arsenic and lead were detected in all 10 surface soil samples at concentrations exceeding MRBCA DTLs. Reported arsenic concentrations in all samples also exceeded the EPA RSL for industrial soil. Only one reported arsenic concentration (in the soil boring from SB-4) exceeded the MRBCA Tier 1 RBTL for non-residential land use. One arsenic detection and several lead detections exceeded the USGS-established mean background concentrations in Buchanan County, Missouri.

Subsurface Soil

During the Phase II TBA, 24 subsurface soil samples were collected at 16 boring locations to assess potential impacts related to the RECs cited above. Subsurface soil samples were submitted to Pace for analyses for VOCs, SVOCs, pesticides, herbicides, TPH-GRO, TPH-DRO, TPH-ORO, RCRA metals including mercury, nitrate/nitrite, sulfate, and pH. Review of the laboratory analytical data indicated that while several samples contained detectable concentration of VOCs, SVOCs, pesticides, herbicides, TPH, metals, and nitrogen and sulfate, only detections of two VOCs in one sample and detections of several metals exceeded regulatory screening levels. Notable findings include the following:

- Subsurface soil sample SB-16 (13-15) contained bromomethane and methylene chloride at concentrations exceeded MRBCA DTLs but below EPA RSLs and MRBCA Tier 1 RBTLs for non-residential land use. No other subsurface soil sample (including the sample from the 3- to 5-foot bgs interval at SB-16) contained a VOC concentration exceeding a regulatory screening level.

- Arsenic and lead were detected in all 24 subsurface soil samples at concentrations exceeding MRBCA DTLs. Arsenic concentrations also exceeded the EPA RSL for industrial soil. No lead detection exceeded the MRBCA Tier 1 RBTL for subsurface soil in non-residential land use. No Tier 1 RBTL for arsenic in subsurface soil in non-residential land use has been established. Several detections of arsenic, lead, and mercury exceeded the USGS-established mean background concentrations in Buchanan County, Missouri.

Groundwater

Seventeen groundwater samples were collected at the 16 soil boring locations to assess impacts on groundwater from historical activities. Groundwater samples were submitted to Pace for analyses for VOCs, SVOCs, pesticides, herbicides, TPH-GRO, TPH-DRO, TPH-ORO, total and dissolved RCRA metals including mercury, nitrogen, sulfate, and pH. Laboratory analytical data indicate that while several samples contained detectable concentrations of VOCs, SVOCs, pesticides, herbicides, TPH, metals, and nitrogen and sulfate, only TPH-DRO in one sample and several metals exceeded regulatory screening levels. Review of analytical data indicated the following significant findings:

- The groundwater sample collected at soil boring location SB-2 contained TPH-DRO at concentration exceeding the MRBCA DTL but not the Tier 1 RBTL for groundwater for non-residential land use. No EPA MCL for TPH has been established.

- Several metals (arsenic, barium, cadmium, chromium, lead, and/or selenium) were detected in all 17 groundwater samples analyzed for total metals at concentrations exceeding EPA MCLs and MRBCA DTLs. Only arsenic concentration (in sample SB-15) exceeded a MRBCA Tier 1 RBTL for non-residential land use.

- Analytical data from samples analyzed for dissolved metals indicated that only one detection of arsenic (in the sample from SB-11) exceeded the EPA MCL and the MRBCA DTL, but not the Tier 1 RBTL for non-residential land use. No other detection of a dissolved metal in other samples exceeded a screening value.

Floor Drain and Floor Sweeping Samples

One composite sample was collected from each of the following: sediment from floor drains, water from floor drains, and floor sweeping debris from the former manufacturing area. The samples were collected to assess if any residual contamination from waste products remained on site. The composite samples were submitted to Pace for analyses for VOCs, SVOCs, pesticides, herbicides, TPH-GRO, TPH-DRO, TPH-ORO, total and dissolved (water sample only) RCRA metals including mercury, nitrogen, sulfate, and pH. Results from those samples were compared to EPA RSLs/MCLs, MRBCA DTLs, and Tier 1 RBTLs for reference only, as these benchmarks are not directly applicable to the media of those samples. Review of analytical data indicated the following significant findings:

- Eight VOCs were detected in one or more samples collected from the floor drains and floor sweepings. No detection exceeded a screening value.

- Five SVOCs were detected in one or more samples collected from the floor drains and floor sweepings. The only detection exceeding a screening value was that of 2-methylnaphthalene in the floor drain sediment sample that exceeded the MRBCA DTL but not the Tier 1 RBTL for surface soil in non-residential land use.

- Twelve pesticides and three herbicides were detected in one or more samples collected from the floor drains and floor sweepings. Concentrations of four pesticides exceeded respective EPA RSLs/MCLs and/or MRBCA DTLs. No concentration exceeded a MRBCA Tier 1 RBTL for non-residential land use.

- TPH-DRO and TPH-ORO were detected in both the floor drain sediment sample and the floor sweeping sample. TPH-DRO detections exceeded the MRBCA DTL but not the Tier 1 RBTL. Only TPH-ORO was detected in the water sample collected from the floor drains. TPH-GRO was not detected in any sample from the floor drains or floor sweepings.

- All floor drain and floor sweeping samples contained one or more RCRA metals. Of those detections, only arsenic and lead concentrations exceeded screening levels. Arsenic concentrations in the floor drain sediment and water samples and the floor sweeping sample exceeded the EPA RSL/MCL and MRBCA DTL. Arsenic concentration in the floor drain sediment sample also exceeded the MRBCA Tier 1 RBTL for surface soil in non-residential land use. Lead concentration in the floor drain sediment sample exceeded the MRBCA DTL. Lead concentrations in the floor sweeping sample and the floor drain water sample exceeded the MRBCA DTL and the EPA RSL/MCL. Lead concentration in the floor sweeping sample also exceeded the MRBCA Tier 1 RBTL for surface soil in non-residential land use.

5.2 CONCLUSIONS

Sampling results from this Phase II TBA indicated only minimal detections of contaminant analytes in surface soil, subsurface soil, and groundwater at the site. Most notably, detections of metals occurred in samples from all media at concentrations exceeding one or more EPA or MDNR screening levels. However, metals detected are naturally occurring, and many of the reported concentrations were below USGS-established mean background concentrations in Buchanan County, Missouri. Other than the metals detections, only one subsurface soil sample contained concentrations of VOCs, and one groundwater sample contained a TPH-DRO concentration that exceeded the MRBCA DTL. Samples collected from the floor drains and floor sweepings contained a larger number of contaminants, including VOCs, SVOCs, pesticides, herbicides, TPH, metals, nitrate, and sulfate.

Future use of the subject property is anticipated as a parking lot for the adjacent St. Joseph Fire Department. Based on anticipated future use and natures and levels of contaminant analytes detected in soil and groundwater at the site, no exterior remediation may be necessary. MDNR may require formal enrollment of the site in the BVCP before evaluating the site. The MDNR BVCP likely would require preparation of a Risk Management Plan that specifies controls to limit exposure to identified contaminants, particularly those inside the building. An Analysis of Brownfields Cleanup Alternatives (ABCA), to be submitted separately, will present alternatives for remediating or limiting exposure to affected media at the site.

6.0 REFERENCES

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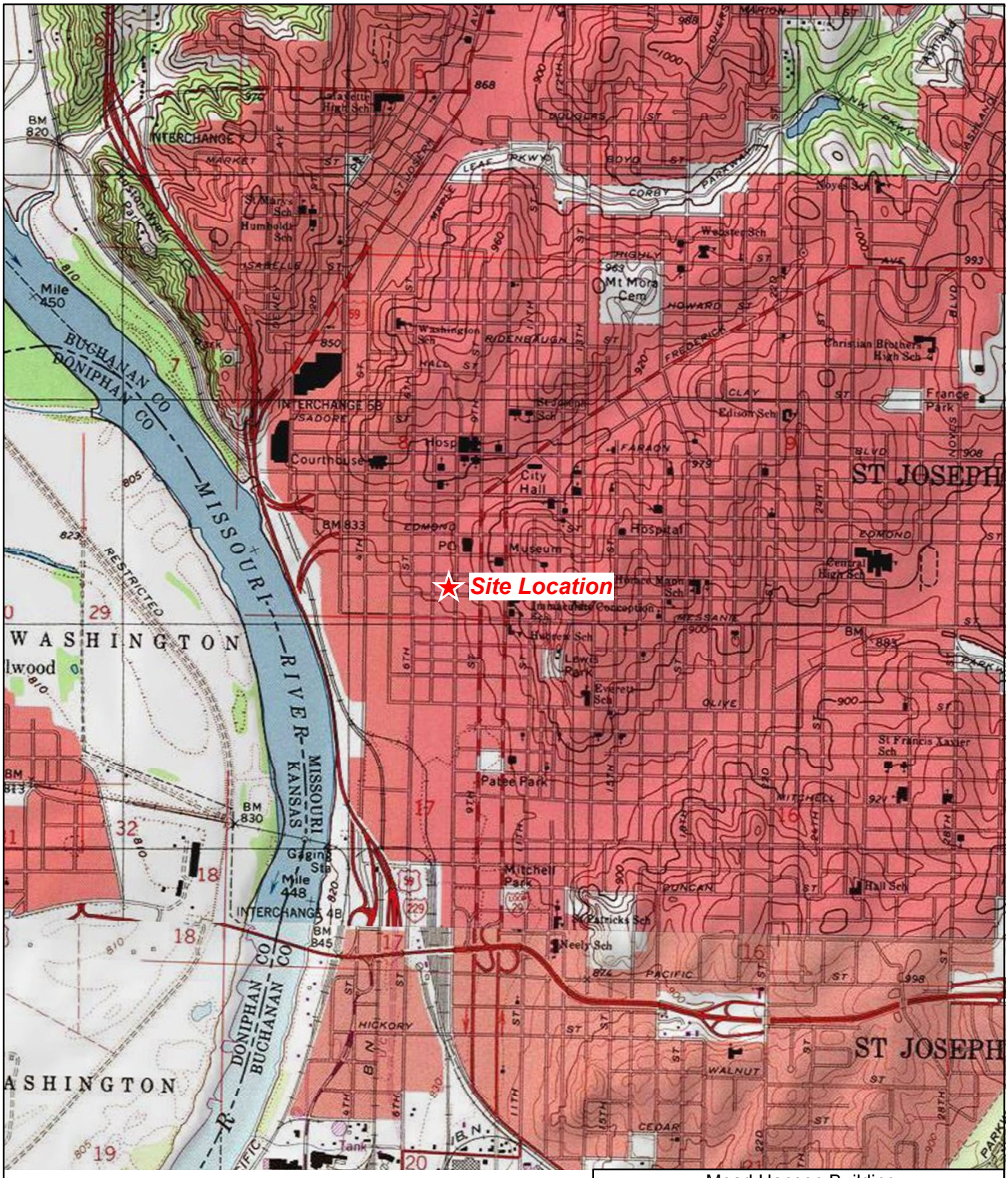
APPENDIX A

FIGURES


Site Location
MISSOURI RIVER
BUCHANAN CO
DONIPHAN CO
ST JOSEPH
WASHINGTON
Mead Hansen Building
408 S 8th Street
St. Joseph, Missouri
Buchanan County
N
0 1,000 2,000
Feet
Figure 1
Site Location Map
TETRA TECH
Source: USGS Saint Joseph North, MO 7.5 Minute Topo Quad, 1981;
USGS Saint Joseph South, MO 7.5 Minute Topo Quad, 1981.
Date: 8/9/2017
Drawn By: Nick Wiederholt
Project No: X9025.14.0002.043
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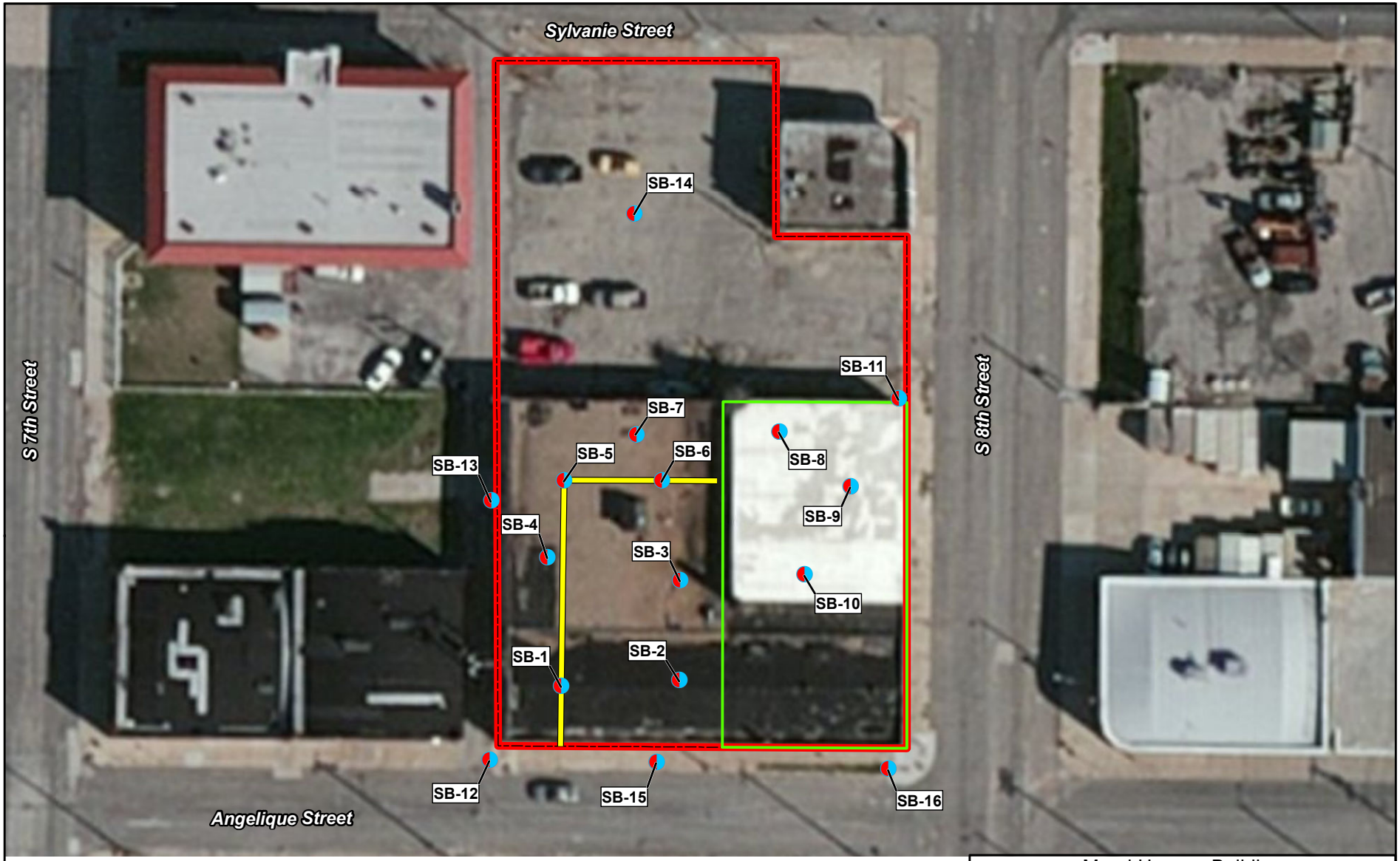


Legend

- Soil and groundwater sample location
- Former trench drain
- Approximate site boundary
- Basement extent

N

0 25 50

Feet

Source: ESRI, ArcGIS Online, World Imagery (Clarity)

Mead Hansen Building
408 S 8th Street
St. Joseph, Missouri

Figure 2
Boring Location Map

TETRA TECH

Date: 4/10/2018 Drawn By: Nick Wiederholt Project No: X9025.14.0002.043

X:\G\9025\0002\043\Projects\mxd\Figure2_020518.mxd

APPENDIX B

PHOTOGRAPHIC DOCUMENTATION

Mead Hansen Building Phase II Targeted Brownfields Assessment
St. Joseph, Missouri

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows the southeast corner of the Mead Hansen Building (the building).	1
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: Northwest	PHOTOGRAPHER	J. Simpson	12/18/2017

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows the south side of the building	2
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: East	PHOTOGRAPHER	J. Simpson	12/18/2017

Mead Hansen Building Phase II Targeted Brownfields Assessment
St. Joseph, Missouri

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows the north side of the building	3
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: Southeast	PHOTOGRAPHER	J. Simpson	12/18/2017

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows the west side of the building and the adjacent alleyway.	4
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: South	PHOTOGRAPHER	J. Simpson	12/18/2017

Mead Hansen Building Phase II Targeted Brownfields Assessment
St. Joseph, Missouri

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows interior of the building and probing at soil boring SB-1.	5
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: West	PHOTOGRAPHER	K. Mammoliti	1/22/2018

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows soil boring SB-7.	6
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: Southwest	PHOTOGRAPHER	K. Mammoliti	1/23/2018

Mead Hansen Building Phase II Targeted Brownfields Assessment
St. Joseph, Missouri

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows soil boring SB-8 in the basement level of the building.	7
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: Southeast	PHOTOGRAPHER	K. Mammoliti	1/23/2018

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows soil boring SB-11 at the northeast corner of the building.	8
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: Southeast	PHOTOGRAPHER	K. Mammoliti	1/25/2018

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows soil boring SB-12 at the southwest corner of the property.	9
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: Southwest	PHOTOGRAPHER	K. Mammoliti	1/24/2018

TETRA TECH PROJECT NO. 103X9025140002.043	DESCRIPTION	This photograph shows soil boring SB-15.	10
	CLIENT	U.S. Environmental Protection Agency Region 7	Date
Direction: West	PHOTOGRAPHER	J. Simpson	1/25/2018

APPENDIX C

SITE LOGBOOK

KS1683

Rite in the Rain®

ALL-WEATHER

LEVEL

№ 311FX

MEAD-HANSEN BLDG
408-424 S. 8th ST.
ST. JOSEPH, MO

INCH

MADE IN TACOMA
SINCE 1916
Rite in the Rain®
DEFYING MOTHER NATURE

Name _____

Address _____

Phone _____

Project _____

MADE USA · RITE GREEN · Archival paper

RiteintheRain.com

CONTENTS

PAGE	REFERENCE	DATE
	SITE CONTACTS:	
	BOB GARVEY (NPI)	
	OFFICE- 816-233-1237	
	CELL- 816-914-3295	
	MIKE GARVEY (NPI)	
	(C) (816) 387-7806	
	MIKE DALSING (ST. JOE FIRE CHIEF)	
	(O) (816) 271-4801	
	(C) (816) 387-6070	

1-22-18

0915 - Reported TetraTech office for site

1030 - Arrived @ site w/ START team J. Simpson + K. Mammoliti. Met operator Garvey to open building. Reconnoid building to identify sample locations

1145 - Plains Environmental arrived + began work to unload DPT rig @ loading dock

1315 - Moved to SB-1 near SW overhead door

SB-1:

1320 Began boring

1350 COLLECT SB-1 (0-1)

1400 COLLECT SB-1 (3.5)

1440 COLLECT WATER SAMPLE SB-1

1445 MOVE TO TO BORING SB-2 IN SE CORNER OF MANUFACTURING AREA.

1520 COLLECT SOIL SAMPLE SB-2 (0-1)

1530 " " SB-2 (3-5

1540 SLIGHT PETROLEUM ODOR IN SB-2 @ ~13' BGS.

1550 COLLECT SOIL SAMPLE SB-2 (12-14)

1620 COLLECT WATER SAMPLE @ SB-2

1630 MOVE TO SOIL BORING SB-3

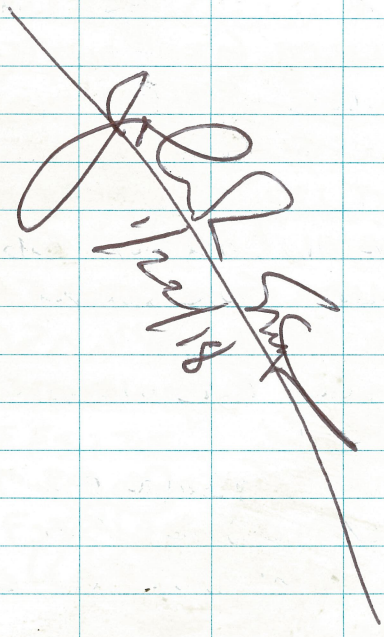
1650 COLLECT SOIL SAMPLE SB-3 (0-1)

1700 " " SB-3 (3-5

1720 COLLECT WATER SAMPLE SB-3.

1730 CLEAN UP + PACK UP FOR TODAY

1810 OFFSITE.



Rite in the Rain.

1/23/18

0810 ONSITE.
0830 SET UP GEOPROBE @ BORING LOCATION SB-4 IN MANUFACTURING AREA.
0850 COLLECT SOIL SAMPLE SB-4 (0-1)
0900 " " SB-4 (3-5)
0950 COLLECT WATER SAMPLE SB-4.
1020 MOVE TO BORING LOCATION SB-5.
1020 COLLECT SOIL SAMPLE SB-5 (0-1)
1030 " " " SB-5 (3-5).
1050 COLLECT GROUNDWATER SAMPLE SB-5.

1200 SET UP GEOPROBE @ BORING LOCATION SB-6.
1230 COLLECT SOIL SAMPLE SB-6 (0-1)
" " " SB-6 (3-5)
1300 COLLECT GROUNDWATER SAMPLE SB-6.
1320 MOVE GEOPROBE TO LOCATION OF SB-7 IN NW PORTION OF THE

1340 COLLECT SOIL SAMPLE SB-7 (0-1).
1350 COLLECT SOIL SAMPLE SB-7 (3-5)
1400 COLLECT GROUNDWATER SAMPLE SB-7.

1420 MOVE GEOPROBE TO BASEMENT LEVEL & SET UP LIGHTS.
1440 BEGIN BORING @ SB-8 gp
1500 COLLECT SOIL SAMPLE SB-8 ~~(0-1)~~
1510 " " " SB-8 (3-5) (0-1)
1530 COLLECT GROUNDWATER SAMPLE SB-8.
1540 MOVE TO LOCATION OF BORING SB-9.
1600 COLLECT SOIL SAMPLE SB-9 (0-1)
1615 " " " SB-9 (3-5)
1630 COLLECT WATER SAMPLE SB-9.
1700 CLEAN UP & SECURE BUILDING
1740 OFFSITE.

JCR 1/23/18

1/24/18

0815 ONSITE
CONTINUE DRILLING WORK IN BASEMENT LEVEL. @ SB-10

0845 COLLECT SOIL SAMPLE SB-10 (0-1)
0855 " " " SB-10 (3-5)
0915 COLLECT GROUNDWATER SAMPLE SB-10.
0930 MOVE GEOPROBE & SAMPLING ~~ERJS~~ OPERATIONS OUTSIDE OF BUILDING.

1045 BEGIN PROBING @ LOCATION SB-11 @ NE CORNER OF BUILDING.
1100 COLLECT SOIL SAMPLE SB-11 ~~(0-1)~~ (3-5)
1120 " " " SB-11 (3-5) JJS
NO WATER IMMEDIATELY PRESENT IN SB11. WILL LET SIT OVERNIGHT.

1330 MOVE TO LOCATION SB-12 @ SW CORNER OF BUILDING

1430 COLLECT SOIL SAMPLE SB-12 ~~(0-1)~~ (3-5)
1500 " " " SB-12 (13-15)
1520 COLLECT WATER SAMPLE @ SB-12.
1530 MOVE TO LOCATION SB-13 OUTSIDE LOADING DOCK ON WEST SIDE OF BUILDING.
1555 COLLECTED SOIL SAMPLE SB-13 (3-5)
1615 " " " SB-13 (10-12)
1630 COLLECTED WATER SAMPLE SB-13
1708 CLEAN UP & SECURE BUILDING.

1730 OFFSITE.

1/24/18

1/25/18

0810 ONSITE
0830 BEGIN BORING @ SB-14 LOCATED IN PARKING LOT NORTH OF THE BUILDING
0905 COLLECT SOIL SAMPLE SB-14(3-5)
0910 " " " SB-14(13-15)
NO WATER RIGHT AWAY. WILL LET SIT & TRY AGAIN LATER.

0950 BEGIN BORING @ SB-15 LOCATED IN FRONT OF OVERHEAD DOORS ON SOUTH SIDE OF THE BUILDING.
1010 COLLECT SOIL SAMPLE SB-15(3-5)
1020 " " " SB-15(13-14)
SOME VISIBLE STAINING & MODERATE PETROLEUM ODOR OBSERVED @ ~13' BGS.
1030 COLLECTED SOIL SAMPLE SB-15(14-15)
NO WATER IMMEDIATELY AVAILABLE
0830 COLLECTED WATER SAMPLE FROM SB-11

1110 COLLECTED SOIL SAMPLE SB-16 (3-5).
1120 COLLECTED SOIL SAMPLE SB-16 (13-15)
NOT ENOUGH WATER TO SAMPLE.
1230 TRY TO GET WATER SAMPLE FROM DEEP INTERVAL ~ 50-60' BGS.
1300 NO WATER @ 60' BGS, VERY DRY.
DECIDE TO ABANDON EFFORTS TO COLLECT WATER SAMPLES FROM DEEPER INTERVALS.

1350 COLLECT WATER SAMPLE FROM SB-16.
1420 RETURN TO SB-15 TO COLLECT SAMPLE. MINIMAL WATER PRESENT. OBTAIN SAMPLE FOR VOCs/GRO, & METALS ONLY. INSUFFICIENT WATER FOR REMAINING ANALYSIS.

Rite in the Rain.

1500 ABANDON ALL BOREHOLES & PREPARE TO DEMOB DRILLING CREW.

1620 DRILLING CREW OFFSITE.

1700 SECURE BUILDING & TETRA TECH OFFSITE

7/26/18

0830 ONSITE. PLAN TO COLLECT SEDIMENT & WATER SAMPLES FROM FLOOR DRAINS INSIDE BUILDING.

0900 COLLECT ~~SE~~ 3 COMPOSITE SEDIMENT SAMPLE FROM FLOOR DRAINS IN FORMER MANUFACTURING AREA.

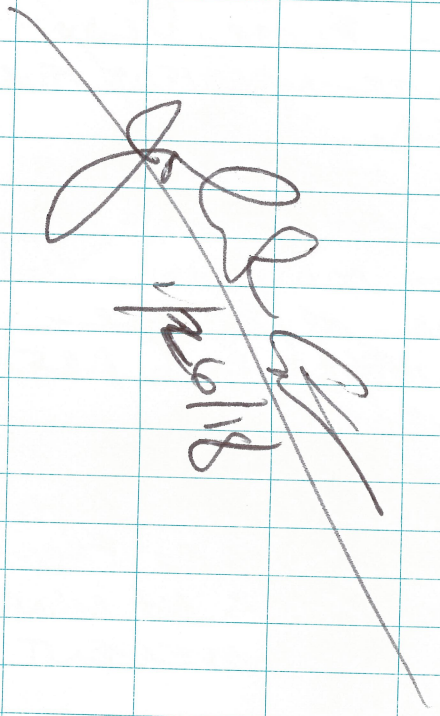
0915 COLLECT SAMPLE OF FLOOR SWEEPINGS & SEDIMENT FROM MATERIAL ON FLOOR OF FORMER MANUFACTURING AREA & BASEMENT.

1000 COLLECTED ~~1A~~ COMPOSITE WATER SAMPLE FROM FLOOR DRAINS ~~IN~~ MANUFACTURE AREA & BASEMENT LEVEL.

Rite in the Rain.

1100 FINISH W/ SCOPE. SECURE BUILDING & RETURN KEY TO MIKE GARVEY.

1130 OFFSITE TO TETRA TECH OFFICE & TO DELIVER SAMPLES TO PACE LAB.



APPENDIX D

BORING LOGS

Boring Log Form

Site Name: MEAD-HANSEN Boring Number: SB-1
Date Drilled (Start/Finish): 1/22/18
Drilling Method: DIRECT-PUSH
Drilling Company: PLAINS
Elevation: Total Depth:
Coordinates:
Depth to Water: Geologist: SIMPSON
Project Number: Weather:

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
SB-1 (0-1) 1350		90%	0.0					DARK BROWN SILTY CLAY
SB-1 (3-5) 14:00			0.0	5				BROWN SILTY CLAY W/ ORANGE MOTTLING.
			0.0					
			0.0	10				
WATER SB-1 14:40			6.0				▽	WET.
				15				
								16' END OF BORING
				20				
				25				
				30				

Boring Log Form

1/22/18

Site Name: MEAD-HANSEN Boring Number: SB-2

Date Drilled (Start/Finish): 1/22/18

Drilling Method: DIRECT PUSH

Drilling Company: PLAINS

Elevation: Total Depth:

Coordinates:

Depth to Water: Geologist: SIMPSON

Project Number: Weather:

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
SB-2 (0-1) 15:20			0.0					BROWN SILTY & CLAY W/ BRICK & GRAVEL
SB-2 (3-5) 15:30			0.0	5				LT. BROWN SILTY CLAY. W/ ORANGE MOTTLING.
			0.0					
			0.0	10				
SB-2 (12-14) 15:50			29.7					SLIGHT PETRO ODOR, WET @ 13.0.
			28.6	15				
			11.0					
WATER SAMPLE SB-2 16:20				20	16'			END OF BORING
				25				
				30				

Boring Log Form

1/22/18

Site Name: MEAD HANSEN Boring Number: SB-3

Date Drilled (Start/Finish): 1/22/18

Drilling Method: DIRECT-PUSH

Drilling Company: PLAINS

Elevation: Total Depth:

Coordinates:

Depth to Water: Geologist: SIMPSON

Project Number: Weather:

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
SB-3 (0-1) 1650			0.0					DARK BROWN SILTY CLAY
SB-3 (3-5) 1700			0.0	5				BROWN SILTY CLAY W/ ORANGE MOTTLING.
				10				
SB-3 1720				15				WET @ 13'
				20				16' END OF BORING
				25				
				30				

Boring Log Form

1/23/18

Site Name: MEAD - HANSEN Boring Number: SB-4

Date Drilled (Start/Finish):

Drilling Method:

Drilling Company: PLAINS

Elevation: Total Depth:

Coordinates:

Depth to Water: Geologist: SIMPSON

Project Number: Weather:

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
SB-4 (0-1) 0850			0.0					BROWN SILTY CLAY W/ BRICK
SB-4 (3-5) 0905			0.0	5				DARK BROWN SILTY CLAY
			0.0					
			0.0	10				
SB-4 0950			0.0				▼	WET @ 12'
			0.0	15				
								16' END OF BORING
				20				
				25				
				30				

1/23/18

Boring Log Form

Site Name: MEAD - HANSEN Boring Number: SB-5
Date Drilled (Start/Finish): 1/23/18
Drilling Method: DIRECT-PUSH
Drilling Company: PLAINS
Elevation: Total Depth:
Coordinates:
Depth to Water: Geologist: SIMPSON
Project Number: Weather:

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
SB-5 (0-1) 1020			0.0					BROWN SILTY CLAY W/ BRICK.
SB-5 (3-5) 1030			0.0	5				DARK BROWN SILTY CLAY W/ ORANGE MOTTLING
			0.0					
			0.0	10				
SB-5 1050			0.0				▼	WET @ 13'
			0.0	15				
								16' EOB
				20				
				25				
				30				

Boring Log Form

1/23/18

Site Name: MEAD - HANSEN Boring Number: SB-6

Date Drilled (Start/Finish): 1/23/18

Drilling Method: DIRECT - PUSH

Drilling Company: RAMS

Elevation: Total Depth:

Coordinates:

Depth to Water: Geologist: SIMPSON

Project Number: Weather:

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
SB-6(0-1) 1230			0.7					BROWN SILTY CLAY W/ BRICK
			0.0					
SB-6(3-5) 1245			0.0	5				DARK BROWN SILTY CLAY W/ ORANGE MOTTLING.
			0.0	10				
SB-6 1300			0.0	15			▽	WET @ 12
				20				16' END OF BORING
				25				
				30				

Boring Log Form

7/23/18

Site Name: MEAD-HANSEN. Boring Number: SB-7

Date Drilled (Start/Finish): 1/23/18

Drilling Method: DIRECT-PUSH

Drilling Company: PLAINS

Elevation: Total Depth:

Coordinates:

Depth to Water: Geologist: SIMPSON

Project Number: Weather:

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
SB-7 (0-1) 1340								BROWN SILTY CLAY W/ BRICK
SB-7 (3-5) 1350				5				DARK BROWN SILTY CLAY
				10				
SB-7 1400							▽	WET @ 12'
				15				
								END OF BORING 16'
				20				
				25				
				30				

Boring Log Form 1/23/18

Site Name: MEAD - HANSEN Boring Number: SB-8

Date Drilled (Start/Finish): 1/23/18

Drilling Method: DIRECT PUSH

Drilling Company: PLANS

Elevation: Total Depth:

Coordinates:

Depth to Water: Geologist: SIMPSON

Project Number: Weather:

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
SB-8(0-1) 1500			0.0					BROWN SILTY CLAY w/ BRICK
SB-8(3-5) 1510			0.0	5				DARK BROWN SILTY CLAY
			0.0					
			0.0	10				
SB-8 1530							▽	WET @ 12
			0.0	15				
								16' END OF BORING
				20				
				25				
				30				

Boring Log Form 1/23/18

Site Name: MEAD-HANSEN Boring Number: SB-9

Date Drilled (Start/Finish): 1/23/18

Drilling Method: DIRECT-PUSH

Drilling Company: PLAINS

Elevation: Total Depth:

Coordinates:

Depth to Water: Geologist: SIMPSON

Project Number: Weather:

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
SB-9(0-1) 1600			0.0					BROWN SILTY CLAY W/ BRICK
SB-9(3-5) 1615			0.0	5				DARK BROWN SILTY CLAY.
			0.0	10				WET @ 8'
SB-9 1630								12' END OF BORING
				15				
				20				
				25				
				30				

Boring Log Form 1/24/18

Site Name: MEAD-LANSEN Boring Number: SB-10
Date Drilled (Start/Finish): 1/24/18
Drilling Method: DIRECT-PUSH
Drilling Company: PLAINS
Elevation: Total Depth:
Coordinates:
Depth to Water: Geologist: SIMPSON
Project Number: Weather:

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
SB-10(0-1) 0845			0.0					DARK BROWN SILTY CLAY W/ BRICK
SB-10(3-5) 0855			0.0	5				~~DARK~~ BROWN SILTY CLAY W/ ORANGE.
			0.0					
SB-10 0905			0.0	10			▽	WET @ 11'
			0.0	15				
								END OF BORING @ 16'
				20				
				25				
				30				

Boring Log 1/24/18

Site Name: MEAD - HANSEN Project Number: SB-11

Date/Time Drilled: 1/24/18

Drilling Method: DIRECT - PUSH

Drilling Company: PLAINS

Depth to Water: _____ Total Depth: _____

Location Description: _____

Coordinates: _____ Logged By: SIMPSON

Elevation: _____ Boring Number: _____

Sample Interval	Percent Recovery	Depth (Feet)	PID Reading	Description and Remarks
SB-11(3-5') 1160			0.0	0-1 = Top soil w/ brick fill
		5		1-12' = Brown, dry, clayey silt
				12- = Brown dry, silty clay
SB-11(13-15') 1120				22 - BROWN / GREY SILTY CLAY.
		10		
		15		
SB-11 1230 1/25/18 0830				Water somewhere ~ 27-35'
		20		

COLLECTED SB-11D @ ~ 60' BGS

Boring Log

1/24/18

Site Name: MEAD-WANSEN Project Number: SB-12

Date/Time Drilled: 1/24/18

Drilling Method: DIRECT-PUSH

Drilling Company: PLAINS

Depth to Water: _____ Total Depth: _____

Location Description: _____

Coordinates: _____ Logged By: SIMPSON

Elevation: _____ Boring Number: _____

Sample Interval	Percent Recovery	Depth (Feet)	PID Reading	Description and Remarks
SB-12 (3-5) 1430			0.0	BROWN SILTY CLAY
		5	0.0	BROWN/GREY SILTY CLAY w/ ~~ORANGE~~ ORANGE MOTTLING
			0.0	
		10		
			0.0	
SB-12 (13-15) 1500				
		15	0.0	
			▽	WET @ 16'
SB-12 1520				
				18' END OF BORING

Boring Log Form 1/24/18

Site Name: MEAD-WANSEN Boring Number: SB-13
Date Drilled (Start/Finish): 1/24/18
Drilling Method: DIRECT-PUSH
Drilling Company: PLAINS
Elevation: Total Depth:
Coordinates:
Depth to Water: Geologist: SIMPSON
Project Number: Weather:

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
SB-13 (3-5) 1555			0.0	3				TAN-BROWN SILTY CLAY w/ BRICK.
			0.0	6				DARK BROWN SILTY CLAY
			0.0	9				
SB-13 (10-12) 1615			0.0	12				PID 0 OVER WATER SLIGHT SHEEN WET @ 12'
SB-13 1630				15				~~END OF BORING 15'~~
				18				END OF BORING 15'
				21				
				24				
				27				

Boring Log Form

1 of 1

Site Name: MEAD-HANSEN
Boring Number: SB-14
Date Drilled (Start/Finish): 1/25/18
Drilling Method: DIRECT-PUSH
Drilling Company: PLAINS
Elevation:
Total Depth:
Coordinates:
Depth to Water:
Geologist: SIMPSON
Project Number:
Weather:

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
SB-14 (3-5) 0900			0.0	3				DARK BROWN SILTY CLAY
			0.0	6				
				9				BROWN/GREY SILTY CLAY W/ ORANGE MOTTLING
			0.0	12				
SB-14 (13-15) 0910			0.0	15				WET @ 16'
SB-14 1320			0.0	18				END OF BORING 18'
				21				
				24				
				27				

Boring Log Form 1/25/18

Site Name: MEAD-HANSEN
Boring Number: SB-15
Date Drilled (Start/Finish): 1/25/18
Drilling Method: DIRECT-PUSH
Drilling Company: PLAINS
Elevation:
Total Depth:
Coordinates:
Depth to Water:
Geologist: SIMPSON
Project Number:
Weather:

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
SB-15 (3-5) 10/0				3				BROWN SILTY CLAY W/ BRICK
				6				DARK BROWN SILTY CLAY W/ ORANGE MOTTLING.
				9				
				12	11.0			WET @ 12'.
SB-15 (13-14) 1020				15	93.8			BLACK/GREY STAINING W/ MODERATE PETRO ODOR
SB-15 14-15 (1030)				18	7.5			NO RECOVERY (15-18)
SB-15 8260 VOCS GRO MTBE ONLY				21				END OF BORING 18'
				24				
				27				

Boring Log Form 1/25/18

Site Name: MEAD - HANSEN Boring Number: SB-16
Date Drilled (Start/Finish): 1/25/18
Drilling Method: DIRECT - PUSH
Drilling Company: PLAINS
Elevation: Total Depth:
Coordinates:
Depth to Water: Geologist: SIMPSON
Project Number: Weather:

Sample Interval	Interval	Soil Recv.	PID Reading (ppm or ppb)	Depth (Feet)	Color (Munsell or Rock)	Lithology	Graphic Log	Description and Remarks
				3				BROWN SILTY CLAY W/ BRICK.
SB-16 (3-5) 1110				6				BROWN SILTY CLAY W/ ORANGE MOTTLING & GREY STREAKS.
				9				
				12				
SB-16 (13-15) 1120				15				
				18				
SB-16 1350				21				WET @ 18'
				24				END OF BORING 21'
				27				

APPENDIX E

ANALYTICAL TABLES

TABLE E-1

SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN SURFACE SOIL SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID (depth interval in ft bgs)	Laboratory ID	Acetone	2-Butanone (MEK)	Tetrachloroethene	1,1,1-Trichloroethane
		Analyte and Associated Concentration[1] (µg/kg)			
Interior Borings					
SB-1 (0-1)	60262572001	ND	ND	ND	ND
SB-2 (0-1)	60262572003	77.0	9.7 J	ND	10.8
SB-3 (0-1)	60262572005	ND	ND	ND	ND
SB-4 (0-1)	60262644001	21.9 J	ND	ND	ND
SB-5 (0-1)	60262644003	ND	ND	ND	ND
SB-6 (0-1)	60262644005	ND	ND	9.2 J	ND
SB-7 (0-1)	60262644007	ND	ND	ND	ND
SB-8 (0-1)	60262644009	47.1	ND	ND	15.1
SB-9 (0-3)	60262644011	11.1 J	ND	ND	ND
SB-10 (0-1)	60262738001	97.6	11.7	ND	6.2
Screening Values (µg/kg)					
EPA RSL - Industrial Soil		6.70E+07	1.90E+07	3.90E+04	3.60E+06
MRBCA DTLs		4,200[GWP]	7,300[GWP]	141[GWP]	4,240[GWP]
Tier 1 Non-Residential RBTL - Soil Type 1 - Surface Soil		8.07E+08	5.79E+08	5.27E+04	2.69E+08

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

DTL	Default Target Level
EPA RSL	U.S. Environmental Protection Agency Regional Screening Level
ft bgs	Feet below ground surface
GWP	Protection of domestic groundwater use pathway
ID	Identification
J	Analyte is present at an estimated concentration between the method detection limit and the reporting limit
µg/kg	Micrograms per kilogram
MRBCA	Missouri Risk-Based Corrective Action
ND	Not detected at or above laboratory reporting limit
RBTL	Risk-Based Target Level

TABLE E-2

SUMMARY OF SEMIVOLATILE ORGANIC COMPOUNDS IN SURFACE SOIL SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID (depth interval in ft bgs)	Laboratory ID	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Carbazole	Chrysene	Dibenzo(a,h)anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
		Analyte and Associated Concentration[1](µg/kg)																		
Interior Borings																				
SB-1 (0-1)	60262572001	470	67.1 J	380 J	244 J	142 J	326 J	75.7 J	ND	206 J	255 J	ND	271 J	1,120	442	79.0 J	460	520	1,690	834
SB-2 (0-1)	60262572003	ND	97.1 J	78.7 J	296 J	335 J	452	194 J	211 J	ND	343 J	77.2 J	ND	441	ND	200 J	ND	48.5 J	284 J	371 J
SB-3 (0-1)	60262572005	ND	ND	ND	ND	ND	64.6 J	ND	ND	ND	ND	ND	ND	56.4 J	ND	ND	ND	ND	ND	50.3 J
SB-4 (0-1)	60262644001	ND	ND	69.2 J	299 J	380 J	521	335 J	197 J	ND	336 J	93.6 J	ND	539	ND	287 J	41.2 J	43 J	256 J	465
SB-5 (0-1)	60262644003	ND	ND	ND	ND	ND	42.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-6 (0-1)	60262644005	ND	ND	ND	ND	ND	47.0 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-7 (0-1)	60262644007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50.5 J	ND	ND	ND	ND	ND	41.8 J
SB-8 (0-1)	60262644009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-9 (0-3)	60262644011	ND	ND	ND	69.4 J	62.8 J	114 J	ND	ND	ND	70.7 J	ND	ND	136 J	ND	ND	ND	ND	ND	122 J
SB-10 (0-1)	60262738001	135 J	ND	257 J	653	621	1,120	397	ND	98.0 J	673	104 J	53.4 J	1,610	123 J	350 J	ND	ND	1,240	1,450
Screening Values (µg/kg)																				
EPA RSL - Industrial Soil		4.50E+06	NE	2.30E+07	2.10E+04	2.10E+03	2.10E+04	NE	2.10E+05	NE	2.10E+06	2.10E+04	1.00E+05	3.00E+06	3.00E+06	2.10E+04	3.00E+05	1.70E+04	NE	2.30E+06
MRBCA DTLs		174,000[GWP]	175,000[GWP]	3,060,000[GWP]	6,120[GWP]	620[SDC]	6,190[SDC]	1,720,000[SDC]	62,000[SDC]	13,300[GWP]	599,000[SDC]	620[SDC]	6,560[GWP]	2,280,000[SDC]	211,000[GWP]	3,770[SDC]	7,550[GWP]	325[GWP]	158,000[GWP]	1,500,000[GWP]
Tier 1 Non-Residential RBTL - Soil Type 1 - Surface Soil		3.07E+07	5.38E+07	1.54E+08	2.11E+04	2.11E+03	2.10E+04	1.65E+07	2.11E+05	8.58E+05	1.99E+06	2.11E+03	1.79E+06	2.18E+07	2.07E+07	1.28E+04	3.59E+06	1.19E+05	2.69E+07	1.64E+04

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

DTL	Default Target Level
EPA RSL	U.S. Environmental Protection Agency Regional Screening Level
ft bgs	Feet below ground surface
GWP	Protection of domestic groundwater use pathway
ID	Identification
µg/kg	Micrograms per kilogram
MRBCA	Missouri Risk-Based Corrective Action
ND	Not detected at or above laboratory reporting limit
NE	Not established
RBTL	Risk-Based Target Level
SDC	Soil direct contact pathway

TABLE E-3

SUMMARY OF PESTICIDES AND HERBICIDES IN SURFACE SOIL SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID (depth interval in ft bgs)	Laboratory ID	Pesticides			Herbicides
		4,4'-DDE	Diazinon	gamma-BHC (Lindane)	
		Analyte and Associated Concentration[1] (µg/kg)			
Interior Borings					
SB-1 (0-1)	60262572001	ND	427	ND	ND
SB-2 (0-1)	60262572003	ND	ND	ND	ND
SB-3 (0-1)	60262572005	ND	ND	ND	ND
SB-4 (0-1)	60262644001	0.93 J	ND	ND	ND
SB-5 (0-1)	60262644003	ND	ND	ND	ND
SB-6 (0-1)	60262644005	ND	ND	ND	ND
SB-7 (0-1)	60262644007	ND	ND	ND	ND
SB-8 (0-1)	60262644009	ND	ND	ND	ND
SB-9 (0-3)	60262644011	ND	ND	2.0 J	ND
SB-10 (0-1)	60262738001	ND	ND	ND	ND
Screening Values (µg/kg)					
EPA RSL - Industrial Soil		9,300	57,000	2,500	NE
MRBCA DTLs		14,300[SDC]	400[GWP]	32.1 [GWP]	NE
Tier 1 Non-Residential RBTL - Soil Type 1 - Surface Soil		50,600	554,000	14,600	NE

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

BHC	Benzene hexachloride
DDE	Dichlorodiphenyldichloroethene
DTL	Default Target Level
EPA RSL	U.S. Environmental Protection Agency Regional Screening Level
ft bgs	Feet below ground surface
GWP	Protection of domestic groundwater use pathway
ID	Identification
J	Analyte is present at an estimated concentration between the method detection limit and the reporting limit
µg/kg	Micrograms per kilogram
MRBCA	Missouri Risk-Based Corrective Action
ND	Not detected at or above laboratory reporting limit
NE	Not established
RBTL	Risk-Based Target Level
SDC	Soil direct contact pathway

TABLE E-4

SUMMARY OF TOTAL PETROLEUM HYDROCARBONS IN SURFACE SOIL SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID (depth interval in ft bgs)	Laboratory ID	TPH - GRO	TPH - DRO	TPH - ORO
		Analyte and Associated Concentration[1] (mg/kg)		
Interior Borings				
SB-1 (0-1)	60262572001	ND	65.6	159
SB-2 (0-1)	60262572003	ND	51.1	105
SB-3 (0-1)	60262572005	ND	23.1	31.1
SB-4 (0-1)	60262644001	ND	46.9	114
SB-5 (0-1)	60262644003	ND	7.0 J	27.2
SB-6 (0-1)	60262644005	ND	26.4	48.7
SB-7 (0-1)	60262644007	ND	13.7 J	56.6
SB-8 (0-1)	60262644009	ND	16.7 J	50.1
SB-9 (0-3)	60262644011	ND	20.6	97.0
SB-10 (0-1)	60262738001	ND	3.4 J	37.4
Screening Values (mg/kg)				
MRBCA DTLs		385[INH]	4,150[INH]	124,000[SDC]
Tier 1 Non-Residential RBTL - Soil Type 1 - Surface Soil		4,650,000	1,410,000	1,250,000

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

DRO	Diesel-range organics
DTL	Default Target Level
ft bgs	Feet below ground surface
GRO	Gasoline-range organics
ID	Identification
INH	Indoor inhalation pathway
J	Analyte is present at an estimated concentration between the method detection limit and the reporting limit
mg/kg	Milligrams per kilogram
MRBCA	Missouri Risk-Based Corrective Action
ND	Not detected at or above laboratory reporting limit
ORO	Oil-range organics
RBTL	Risk-Based Target Level
SDC	Soil direct contact pathway
TPH	Total petroleum hydrocarbons

TABLE E-5

SUMMARY OF RCRA METALS IN SURFACE SOIL SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID (depth interval in ft bgs)	Laboratory ID	Arsenic	Barium	Cadmium	Chromium*	Lead	Selenium	Silver	Mercury
		Analyte and Associated Concentration[1] (mg/kg)							
Interior Borings									
SB-1 (0-1)	60262572001	**7.3**	280	0.84	15.4	*89.1*	ND	ND	*0.31*
SB-2 (0-1)	60262572003	**7.0**	253	0.75	14.1	*41.3*	ND	ND	*0.021 J*
SB-3 (0-1)	60262572005	**8.5**	264	1.3	15.7	*53.5*	*0.93 J*	ND	*0.21*
SB-4 (0-1)	60262644001	***20.1***	271	13	16.8	*480*	*1.2 J*	ND	*0.80*
SB-5 (0-1)	60262644003	**8.2**	4,650	2.9	15.0	*146*	ND	ND	*0.16*
SB-6 (0-1)	60262644005	**7.5**	229	1.2	16.0	*81.9*	ND	ND	*0.35*
SB-7 (0-1)	60262644007	**5.2**	423	0.32 J	15.0	*101*	ND	ND	*0.097*
SB-8 (0-1)	60262644009	**7.1**	208	1.8	16.1	*42.8*	ND	ND	*0.057*
SB-9 (0-3)	60262644011	**9.6**	196	3.2	15.6	*194*	ND	ND	*0.069*
SB-10 (0-1)	60262738001	**6.1**	231	0.11 J	16.5	12	ND	ND	*0.051 J*
Screening Values (mg/kg)									
EPA RSL - Industrial Soil		3	22,000	98	180,000	800	NE	580	4.6
MRBCA DTLs		3.89^{SDC}	$2{,}040^{GWP}$	9.31^{GWP}	$74{,}600^{SDC}$	3.74^{GWP}	6.27^{GWP}	16.2^{GWP}	2.19^{INH}
Tier 1 Non-Residential RBTL - Soil Type 1 - Surface Soil		15.9	181,000	74.8	472,000	660	4,780	4,480	630
Buchanan County, Missouri, Average Background		17.365	NE	NE	NE	30.802	0.297	NE	0.017

Notes:

* Total chromium; screening values are for chromium (III), as hexavalent chromium is not believed to have been used at the site

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

Bold Analyte concentration equals or exceeds the EPA RSL

Shade Analyte concentration equals or exceeds the MRBCA DTL

Shade Analyte concentration equals or exceeds the MRBCA DTL and RBTL

Italics Analyte concentration equals or exceeds the county average background

DTL Default Target Level

EPA RSL U.S. Environmental Protection Agency Regional Screening Level

ft bgs Feet below ground surface

GWP Protection of domestic groundwater use pathway

INH Indoor inhalation pathway

ID Identification

J Analyte is present at an estimated concentration between the method detection limit and the reporting limit

mg/kg Milligrams per kilogram

MRBCA Missouri Risk-Based Corrective Action

ND Not detected at or above laboratory reporting limit

NE Not established

RBTL Risk-Based Target Level

RCRA Resource Conservation and Recovery Act

SDC Soil direct contact pathway

TABLE E-6

SUMMARY OF NITROGEN, SULFATE, AND pH IN SURFACE SOIL SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID (depth interval in ft bgs)	Laboratory ID	Nitrate as N	Nitrite as N	Sulfate	pH
		Analyte and Associated Concentration[1] (mg/kg)			Standard units
Interior Borings					
SB-1 (0-1)	60262572001	7.3 J	ND	403	6.8
SB-2 (0-1)	60262572003	18.1	ND	97.0 J	7.6
SB-3 (0-1)	60262572005	104	ND	388	9.3
SB-4 (0-1)	60262644001	14.8	ND	2,210	9.7
SB-5 (0-1)	60262644003	25.4	ND	1,310	9.6
SB-6 (0-1)	60262644005	ND	ND	84.0 J	9.2
SB-7 (0-1)	60262644007	91.8	ND	301	10.2
SB-8 (0-1)	60262644009	ND	ND	65.6 J	9.7
SB-9 (0-3)	60262644011	ND	ND	70.8 J	9.2
SB-10 (0-1)	60262738001	40.1	ND	976	10.4
Screening Values (mg/kg)					
EPA RSL - Industrial Soil		190,000	12,000	NE	NE
MRBCA DTLs		NE	NE	NE	NE
Tier 1 Non-Residential RBTL - Soil Type 1 - Surface Soil		NE	NE	NE	NE

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

DTL	Default Target Level
EPA RSL	U.S. Environmental Protection Agency Regional Screening Level
ft bgs	Feet below ground surface
ID	Identification
J	Analyte is present at an estimated concentration between the method detection limit and the reporting limit
mg/kg	Milligrams per kilogram
MRBCA	Missouri Risk-Based Corrective Action
N	Nitrogen
ND	Not detected at or above laboratory reporting limit
NE	Not Established
RBTL	Risk-Based Target Level

TABLE E-7

SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN SUBSURFACE SOIL SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID (depth interval in ft bgs)	Laboratory ID	Acetone	Bromomethane	2-Butanone (MEK)	Carbon disulfide	Methylene Chloride	1,1,1-Trichloroethane
		Analyte and Associated Concentration[1] (µg/kg)					
Interior Borings							
SB-1 (3-5)	60262572002	26	ND	ND	ND	ND	ND
SB-2 (3-5)	60262572004	11.3 J	4.0 J	ND	ND	ND	ND
SB-2 (12-14)	60262572007	24.5	ND	ND	6.8	ND	3.8 J
SB-3 (3-5)	60262572006	240	ND	18.1	ND	ND	ND
SB-4 (3-5)	60262644002	47.0	ND	ND	ND	ND	ND
SB-5 (3-5)	60262644004	ND	ND	ND	ND	ND	ND
SB-6 (3-5)	60262644006	28.1	ND	ND	ND	ND	ND
SB-7 (3-5)	60262644008	ND	ND	ND	ND	ND	ND
SB-8 (3-5)	60262644010	ND	ND	ND	ND	ND	ND
SB-9 (3-5)	60262644012	ND	ND	ND	ND	ND	ND
SB-10 (3-5)	60262738002	ND	ND	ND	ND	ND	ND
Exterior Borings							
SB-11 (3-5)	60262738003	12.6 J	ND	ND	4.7 J	ND	ND
SB-11 (13-15)	60262738004	50.4	ND	13.6	ND	ND	ND
SB-12 (3-5)	60262738005	65.9	ND	11.6 J	ND	ND	ND
SB-12 (13-15)	60262738006	61.7	ND	ND	ND	6.0 J	ND
SB-13 (3-5)	60262738007	16.6 J	ND	ND	ND	4.2 J	ND
SB-13 (10-12)	60262738008	ND	ND	ND	ND	3.5 J	ND
SB-14 (3-5)	60262831001	37.7	ND	ND	ND	ND	ND
SB-14 (13-15)	60262831002	ND	ND	ND	ND	ND	ND
SB-15 (3-5)	60262831003	ND	ND	ND	ND	4.9 J	ND
SB-15 (13-14)	60262831004	ND	ND	ND	7.2	ND	ND
SB-15 (14-15)	60262831005	ND	ND	ND	ND	ND	ND
SB-16 (3-5)	60262831006	17.8 J	ND	ND	ND	4.0 J	ND
SB-16 (13-15)	60262831007	ND	210 J	ND	ND	328 J	ND
Screening Values (µg/kg)							
EPA RSL - Industrial Soil		6.70E+07	3.00E+03	1.90E+07	3.50E+05	3.20E+05	3.60E+06
MRBCA DTLs		4,200^{GWP}	18.5^{GWP}	7,300^{GWP}	6,260^{INH}	17.6^{GWP}	4,240^{GWP}
Tier 1 Non-Residential RBTL - Soil Type 1 - Subsurface Soil		5.67E+07	1,730	1.03E+08	1.02E+05	40,300	1.11E+06

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

Shade	Analyte concentration equals or exceeds the MRBCA DTL
DTL	Default Target Level
EPA RSL	U.S. Environmental Protection Agency Regional Screening Level
ft bgs	Feet below ground surface
GWP	Protection of domestic groundwater use pathway
ID	Identification
INH	Indoor inhalation pathway
J	Analyte is present at an estimated concentration between the method detection limit and the reporting limit
µg/kg	Micrograms per kilogram
MRBCA	Missouri Risk-Based Corrective Action
ND	Not detected at or above laboratory reporting limit
RBTL	Risk-Based Target Level

TABLE E-8

SUMMARY OF SEMIVOLATILE ORGANIC COMPOUNDS IN SUBSURFACE SOIL SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID (depth interval in ft bgs)	Laboratory ID	Acenaphthene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
		Analyte and Associated Concentration[1] (µg/kg)													
Interior Borings															
SB-1 (3-5)	60262572002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-2 (3-5)	60262572004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-2 (12-14)	60262572007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-3 (3-5)	60262572006	ND	ND	ND	ND	ND	ND	206 J	ND	ND	ND	ND	ND	ND	ND
SB-4 (3-5)	60262644002	ND	170 J	272 J	410	222 J	130 J	ND	208 J	76 J	196 J	212 J	43.5 J	120 J	182 J
SB-5 (3-5)	60262644004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-6 (3-5)	60262644006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-7 (3-5)	60262644008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-8 (3-5)	60262644010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-9 (3-5)	60262644012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-10 (3-5)	60262738002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Exterior Borings															
SB-11 (3-5)	60262738003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-11 (13-15)	60262738004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-12 (3-5)	60262738005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-12 (13-15)	60262738006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-13 (3-5)	60262738007	46.5 J	ND	ND	46.8 J	ND	ND	ND	50.4 J	ND	80.7 J	ND	ND	377 J	66.6 J
SB-13 (10-12)	60262738008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-14 (3-5)	60262831001	ND	ND	ND	ND	ND	ND	175 J	ND	ND	ND	ND	ND	ND	ND
SB-14 (13-15)	60262831002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-15 (3-5)	60262831003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-15 (13-14)	60262831004	294 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-15 (14-15)	60262831005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-16 (3-5)	60262831006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-16 (13-15)	60262831007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Screening Values (µg/kg)															
EPA RSL - Industrial Soil		4,500,000	21,000	2,100	21,000	NE	210,000	NE	2,100,000	21,000	3,000,000	21,000	17,000	17,000	2,300,000
MRBCA DTLs		174,000[GWP]	62,000[GWP]	620[SDC]	6,190[SDC]	1,720,000[SDC]	62,000[SDC]	84,800[GWP]	599,000[SDC]	620[SDC]	2,280,000[SDC]	3770[SDC]	325[GWP]	325[GWP]	1,500,000[GWP]
Tier 1 Non-Residential RBTL - Soil Type 1 - Subsurface Soil		5.38E+08	1.36E+09	1.18E+09	2.91E+08	1.64E+13	3.58E+09	4.10E+09	1.01E+09	1.16E+11	7.25E+10	6.41E+10	1.36E+05	7.99E+08	8.64E+10

TABLE E-8

SUMMARY OF SEMIVOLATILE ORGANIC COMPOUNDS IN SUBSURFACE SOIL SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

EPA RSL	U.S. Environmental Protection Agency Regional Screening Level
DTL	Default Target Level
ft bgs	Feet below ground surface
GWP	Protection of domestic groundwater use pathway
ID	Identification
J	Analyte is present at an estimated concentration between the method detection limit and the reporting limit
µg/kg	Micrograms per kilogram
MRBCA	Missouri Risk-Based Corrective Action
ND	Not detected at or above laboratory reporting limit
NE	Not established
RBTL	Risk-Based Target Level
SDC	Soil direct contact pathway

TABLE E-9

SUMMARY OF PESTICIDES AND HERBICIDES IN SUBSURFACE SOIL SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID (depth interval in ft bgs)	Laboratory ID	Pesticides		Herbicides
		Diazinon	Dieldrin	2,4-D
		Analyte and Associated Concentration[1] (µg/kg)		
Interior Borings				
SB-1 (3-5)	60262572002	192	ND	ND
SB-2 (3-5)	60262572004	ND	ND	ND
SB-2 (12-14)	60262572007	ND	ND	ND
SB-3 (3-5)	60262572006	ND	ND	ND
SB-4 (3-5)	60262644002	ND	ND	19.9
SB-5 (3-5)	60262644004	ND	ND	ND
SB-6 (3-5)	60262644006	ND	ND	ND
SB-7 (3-5)	60262644008	ND	ND	ND
SB-8 (3-5)	60262644010	ND	ND	ND
SB-9 (3-5)	60262644012	ND	ND	ND
SB-10 (3-5)	60262738002	ND	ND	ND
Exterior Borings				
SB-11 (3-5)	60262738003	ND	ND	ND
SB-11 (13-15)	60262738004	ND	ND	ND
SB-12 (3-5)	60262738005	ND	ND	ND
SB-12 (13-15)	60262738006	ND	1.3 J	ND
SB-13 (3-5)	60262738007	ND	ND	ND
SB-13 (10-12)	60262738008	ND	ND	ND
SB-14 (3-5)	60262831001	ND	ND	ND
SB-14 (13-15)	60262831002	ND	ND	ND
SB-15 (3-5)	60262831003	ND	ND	ND
SB-15 (13-14)	60262831004	ND	ND	ND
SB-15 (14-15)	60262831005	ND	ND	ND
SB-16 (3-5)	60262831006	ND	ND	ND
SB-16 (13-15)	60262831007	ND	ND	ND
Screening Values (µg/kg)				
EPA RSL - Industrial Soil		57,000	140	960,000
MRBCA DTLs		400[GWP]	93.6[GWP]	9,380[GWP]
Tier 1 Non-Residential RBTL - Soil Type 1 - Subsurface Soil		5.06E+05	1.62E+06	2.92E+11

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

D	Dichlorophenoxyacetic acid
DTL	Default Target Level
EPA RSL	U.S. Environmental Protection Agency Regional Screening Level
ft bgs	Feet below ground surface
GWP	Protection of domestic groundwater use pathway
ID	Identification
J	Analyte is present at an estimated concentration between the method detection limit and the reporting limit
µg/kg	Micrograms per kilogram
MRBCA	Missouri Risk-Based Corrective Action
ND	Not detected at or above laboratory reporting limit
RBTL	Risk-Based Target Level

TABLE E-10

SUMMARY OF TOTAL PETROLEUM HYDROCARBONS IN SUBSURFACE SOIL SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID (depth interval in ft bgs)	Laboratory ID	TPH - GRO	TPH - DRO	TPH - ORO
		Analyte and Associated Concentration[1] (mg/kg)		
Interior Borings				
SB-1 (3-5)	60262572002	ND	2.5 J	18.3
SB-2 (3-5)	60262572004	ND	1.7 J	22.3
SB-2 (12-14)	60262572007	3.0	134	27.1
SB-3 (3-5)	60262572006	ND	1.7 J	18.3
SB-4 (3-5)	60262644002	ND	16.4 J	40.3
SB-5 (3-5)	60262644004	ND	5.7 J	18.9 J
SB-6 (3-5)	60262644006	ND	12.9 J	21.1
SB-7 (3-5)	60262644008	ND	3.9 J	19.2
SB-8 (3-5)	60262644010	ND	2.3 J	15.0 J
SB-9 (3-5)	60262644012	ND	4.0 J	18.6 J
SB-10 (3-5)	60262738002	ND	ND	13.4 J
Exterior Borings				
SB-11 (3-5)	60262738003	ND	84.2	54.2
SB-11 (13-15)	60262738004	ND	ND	12.3 J
SB-12 (3-5)	60262738005	ND	2.3 J	14.6 J
SB-12 (13-15)	60262738006	ND	ND	10.9 J
SB-13 (3-5)	60262738007	ND	1.9 J	17.4 J
SB-13 (10-12)	60262738008	ND	ND	13.5 J
SB-14 (3-5)	60262831001	ND	2.0 J	21.4
SB-14 (13-15)	60262831002	ND	ND	11.9 J
SB-15 (3-5)	60262831003	ND	2.0 J	11.1 J
SB-15 (13-14)	60262831004	1.3	1,450	47.3
SB-15 (14-15)	60262831005	0.29 J	26.1	14.0 J
SB-16 (3-5)	60262831006	ND	2.1 J	28.0
SB-16 (13-15)	60262831007	ND	ND	13.7 J
Screening Values (mg/kg)				
MRBCA DTLs		385[INH]	4,150[INH]	124,000[SDC]
Tier 1 Non-Residential RBTL - Soil Type 1 - Surface Soil		3,100	33,400	NE

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

DRO	Diesel-range organics
DTL	Default Target Level
ft bgs	Feet below ground surface
GRO	Gasoline-range organics
ID	Identification
INH	Indoor inhalation pathway
J	Analyte is present at an estimated concentration between the method detection limit and the reporting limit
mg/kg	Milligrams per kilogram
MRBCA	Missouri Risk-Based Corrective Action
ND	Not detected at or above laboratory reporting limit
ORO	Oil-range organics
RBTL	Risk-Based Target Level
SDC	Soil direct contact pathway
TPH	Total petroleum hydrocarbons

TABLE E-11

SUMMARY OF RCRA METALS IN SUBSURFACE SOIL SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID (depth interval in ft bgs)	Laboratory ID	Arsenic	Barium	Cadmium	Chromium*	Lead	Selenium	Silver	Mercury
		Analyte and Associated Concentration[1] (mg/kg)							
Interior Borings									
SB-1 (3-5)	60262572002	**9.9**	240	0.58	14.5	*54.5*	ND	ND	*0.93*
SB-2 (3-5)	60262572004	**5.8**	175	0.38 J	15.7	9.5	*1.1 J*	ND	0.015 J
SB-2 (12-14)	60262572007	**8.6**	169	0.44 J	17.0	11.6	ND	ND	*0.037 J*
SB-3 (3-5)	60262572006	**6.9**	214	0.42 J	16.1	21.2	*0.95 J*	ND	*2.7*
SB-4 (3-5)	60262644002	***17.7***	333	29	25.7	*250*	*2.3*	ND	*0.59*
SB-5 (3-5)	60262644004	**6.5**	231	0.25 J	17.8	20.2	ND	ND	*0.35*
SB-6 (3-5)	60262644006	**5.4**	212	0.26 J	15.9	16.1	ND	ND	*0.035 J*
SB-7 (3-5)	60262644008	**5.5**	414	0.33 J	15.7	*93.8*	ND	ND	0.014 J
SB-8 (3-5)	60262644010	**5.8**	145	0.19 J	16.6	9.4	ND	ND	*0.017 J*
SB-9 (3-5)	60262644012	**5.7**	169	0.17 J	16.4	9.9	ND	ND	*0.027 J*
SB-10 (3-5)	60262738002	**6.7**	220	0.050 J	17.2	10.7	ND	ND	*0.018 J*
Exterior Borings									
SB-11 (3-5)	60262738003	**6.9**	162	0.062 J	17.6	11.1	ND	ND	*0.13*
SB-11 (13-15)	60262738004	**6.9**	186	ND	17.0	10.3	ND	ND	0.015 J
SB-12 (3-5)	60262738005	**5.1**	173	0.13 J	14.0	*451*	ND	ND	*0.027 J*
SB-12 (13-15)	60262738006	**9.2**	94	ND	18.3	10.3	ND	ND	*0.027 J*
SB-13 (3-5)	60262738007	**5.0**	235	0.073 J	15.8	10.1	ND	ND	0.013 J
SB-13 (10-12)	60262738008	***26.8***	265	0.048 J	17.4	14.0	ND	ND	*0.027 J*
SB-14 (3-5)	60262831001	**6.2**	200	0.056 J	15.8	9.6	ND	ND	0.013 J
SB-14 (13-15)	60262831002	**8.3**	209	0.13 J	17.2	11.8	ND	ND	*0.021 J*
SB-15 (3-5)	60262831003	**6.1**	147	0.040 J	19.8	11.9	ND	ND	*0.034 J*
SB-15 (13-14)	60262831004	**4.3**	155	ND	18.4	16.1	ND	ND	0.014 J
SB-15 (14-15)	60262831005	**8.3**	174	0.13 J	19.7	10.8	ND	ND	0.015 J
SB-16 (3-5)	60262831006	**7.9**	257	0.15 J	15.6	18.5	ND	ND	*0.16*
SB-16 (13-15)	60262831007	**7.3**	198	0.086 J	17.8	10.7	ND	ND	0.011 J
Screening Values (mg/kg)									
EPA RSL - Industrial Soil		3	22,000	98	180,000	800	NE	580	4.6
MRBCA DTLs		3.89^{SDC}	$2{,}040^{GWP}$	9.31^{GWP}	$74{,}600^{SDC}$	3.74^{GWP}	6.27^{GWP}	16.2^{GWP}	2.19^{INH}
Tier 1 Non-Residential RBTL - Soil Type 1 - Subsurface Soil		NE	NE	NE	NE	660	NE	NE	17.6
Buchanan County, Missouri, Average Background		17.365	NE	NE	NE	30.802	0.297	NE	0.017

TABLE E-11

SUMMARY OF RCRA METALS IN SUBSURFACE SOIL SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Notes:

*	Total chromium; screening values are for chromium (III), as hexavalent chromium is not believed to have been used at the site

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

Bold	Analyte concentration equals or exceeds the EPA RSL
Shade	Analyte concentration equals or exceeds the MRBCA DTL
Italics	Analyte concentration equals or exceeds the county average background
DTL	Default Target Level
EPA RSL	U.S. Environmental Protection Agency Regional Screening Level
ft bgs	Feet below ground surface
GWP	Protection of domestic groundwater use pathway
ID	Identification
INH	Indoor inhalation pathway
J	Analyte is present at an estimated concentration between the method detection limit and the reporting limit
mg/kg	Milligrams per kilogram
MRBCA	Missouri Risk-Based Corrective Action
ND	Not detected at or above laboratory reporting limit
NE	Not established
RBTL	Risk-Based Target Level
RCRA	Resource Conservation and Recovery Act
SDC	Soil direct contact pathway

TABLE E-12

SUMMARY OF NITROGEN, SULFATE, AND pH IN SUBSURFACE SOIL SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID (depth interval in ft bgs)	Laboratory ID	Nitrate as N	Nitrite as N	Sulfate	pH
		Analyte and Associated Concentration[1] (mg/kg)			Standard units
Interior Borings					
SB-1 (3-5)	60262572002	7.4 J	ND	121 J	7.6
SB-2 (3-5)	60262572004	144	ND	498	7.1
SB-2 (12-14)	60262572007	24.7	ND	144	7.9
SB-3 (3-5)	60262572006	124	ND	1,660	9.0
SB-4 (3-5)	60262644002	17.9	ND	425	9.5
SB-5 (3-5)	60262644004	31.4	ND	987	7.8
SB-6 (3-5)	60262644006	19.6	ND	112 J	8.8
SB-7 (3-5)	60262644008	115	ND	382	9.0
SB-8 (3-5)	60262644010	ND	ND	86.9 J	9.1
SB-9 (3-5)	60262644012	ND	ND	74.7 J	8.9
SB-10 (3-5)	60262738002	34.6	ND	2,070	6.8
Exterior Borings					
SB-11 (3-5)	60262738003	15.3	ND	653	7.3
SB-11 (13-15)	60262738004	21.3	ND	326	7.6
SB-12 (3-5)	60262738005	ND	ND	ND	8.8
SB-12 (13-15)	60262738006	ND	ND	74.3 J	7.1
SB-13 (3-5)	60262738007	ND	ND	77.8 J	7.5
SB-13 (10-12)	60262738008	ND	ND	67.7 J	7.5
SB-14 (3-5)	60262831001	ND	18.5	88.9 J	7.0
SB-14 (13-15)	60262831002	ND	ND	82.6 J	7.1
SB-15 (3-5)	60262831003	ND	ND	ND	7.8
SB-15 (13-14)	60262831004	ND	ND	74.1 J	8.8
SB-15 (14-15)	60262831005	ND	ND	67.5 J	8.9
SB-16 (3-5)	60262831006	ND	ND	65.2 J	7.7
SB-16 (13-15)	60262831007	ND	ND	65.5 J	7.7
Screening Values (mg/kg)					
EPA RSL - Industrial Soil		190,000	12,000	NE	NE
MRBCA DTLs		NE	NE	NE	NE
Tier 1 Non-Residential RBTL - Soil Type 1 - Surface Soil		NE	NE	NE	NE

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

DTL	Default Target Level
EPA RSL	U.S. Environmental Protection Agency Regional Screening Level
ft bgs	Feet below ground surface
ID	Identification
J	Analyte is present at an estimated concentration between the method detection limit and the reporting limit
mg/kg	Milligrams per kilogram
MRBCA	Missouri Risk-Based Corrective Action
ND	Not detected at or above laboratory reporting limit
RBTL	Risk-Based Target Level

TABLE E-13

SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID	Laboratory ID	Acetone	Benzene	n-Butylbenzene	sec-Butylbenzene	Carbon disulfide	Chloroform	Ethylbenzene	Naphthalene	n-Propylbenzene	Toluene	1,1,1-Trichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes, Total
		Analyte and Associated Concentration[1] (µg/L)													
SB-1	60262572008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-2	60262572009	ND	ND	ND	ND	0.19 J	ND	ND	ND	ND	ND	1.2	ND	ND	ND
SB-3	60262572010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.67 J	ND	ND	ND
SB-4	60262644013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15 J	ND	ND	ND
SB-5	60262644014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-6	60262644015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.72 J	ND	ND	ND
SB-7	60262644016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-8	60262644017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.43 J	ND	ND	ND
SB-9	60262644018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-10	60262738009	ND	ND	ND	ND	ND	ND	ND	0.61 J	ND	0.24 J	0.17 J	0.12 J	ND	ND
SB-11	60262831008	2.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-11D	60262831012	6.9 J	0.28 J	ND	ND	0.17 J	ND	0.24 J	ND	ND	0.51 J	ND	ND	ND	ND
SB-12	60262738010	ND	0.15 J	0.19 J	ND	0.12 J	ND	0.26 J	0.51 J	0.20 J	0.30 J	ND	2.8	1.2	1.7 J
SB-13	60262738011	ND	0.11 J	ND	ND	ND	ND	ND	ND	ND	ND	0.13 J	ND	ND	ND
SB-14	60262831009	6.3 J	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND
SB-15	60262831011	8.5 J	0.30 J	0.16 J	0.08 J	1.2 J	ND	ND	ND	ND	0.69 J	0.20 J	0.16 J	ND	ND
SB-16	60262831010	3.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Screening Values (µg/L)															
EPA Maximum Contaminant Level		NE	5	NE	NE	NE	80	700	NE	NE	1,000	200	NE	NE	10,000
MRBCA DTLs		2,970[DWG]	5[DWG]	98.9[DWG]	106[DWG]	527[DWG]	80[DWG]	700[DWG]	1.09[DWG]	115[DWG]	1,000[DWG]	200[DWG]	7.06[DWG]	7.05[DWG]	10,000[DWG]
Tier 1 Non-Residential RBTL - Soil Type 1 - Groundwater[2]		36,900	1,060	2,970	4,030	115,000	2,110	35,100	71.5	6,540	47,600	313,000	92,300	85,000	118,000

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

[2]Tier 1 Non-Residential RBTLs are for groundwater in Soil Type 1 with exposure via dermal contact.

DTL	Default Target Level
DWG	Domestic water use of groundwater
EPA	U.S. Environmental Protection Agency
ID	Identification
J	Analyte is present at an estimated concentration between the method detection limit and the reporting limit
µg/L	Micrograms per liter
MRBCA	Missouri Risk-based Corrective Action
ND	Not detected at or above laboratory reporting limit
NE	Not established
RBTL	Risk-Based Target Level

TABLE E-14

SUMMARY OF SEMIVOLATILE ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID	Laboratory ID	Acenaphthene	Benzoic Acid	Di-n-butylphthalate	2-Methylnaphthalene	3&4-Methylphenol (m&p Cresol)	Phenanthrene
		Analyte and Associated Concentration[1] (µg/L)					
SB-1	60262572008	ND	ND	ND	0.53 J	ND	ND
SB-2	60262572009	3.9 J	ND	ND	ND	ND	ND
SB-3	60262572010	ND	9.7 J	ND	ND	ND	ND
SB-4	60262644013	ND	ND	ND	ND	ND	ND
SB-5	60262644014	ND	9.6 J	ND	ND	ND	ND
SB-6	60262644015	ND	10.2 J	ND	ND	ND	ND
SB-7	60262644016	ND	10.2 J	ND	ND	ND	ND
SB-8	60262644017	ND	9.4 J	ND	ND	ND	1.3 J
SB-9	60262644018	ND	9.1 J	ND	ND	ND	ND
SB-10	60262738009	ND	9.6 J	ND	ND	ND	ND
SB-11	60262831008	ND	9.0 J	0.72 J	ND	ND	ND
SB-11D	60262831012	ND	ND	ND	ND	ND	ND
SB-12	60262738010	ND	ND	ND	ND	ND	ND
SB-13	60262738011	ND	ND	ND	ND	ND	ND
SB-14	60262831009	ND	31.0 J	ND	ND	5.5 J	ND
SB-15	60262831011	ND	NA	NA	ND	NA	NA
SB-16	60262831010	ND	10.8 J	0.49 J	ND	ND	ND
Screening Values (µg/L)							
EPA Maximum Contaminant Level		NE	NE	NE	NE	NE	NE
MRBCA DTL		165[DWG]	60,000[DWG]	NE	11.7[DWG]	74.3[DWG]	750[DWG]
Tier 1 Non-Residential RBTL - Soil Type 1 - Groundwater[2]		7,500	114,000	NE	784	11,100	2,330

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

[2]Tier 1 Non-Residential RBTLs are for groundwater in Soil Type 1 with exposure via dermal contact.

Bold	Analyte concentration equals or exceeds the EPA Maximum Contaminant Level
DTL	Default Target Level
DWG	Domestic water use of groundwater
EPA	U.S. Environmental Protection Agency
ID	Identification
J	Analyte is present at an estimated concentration between the method detection limit and the reporting limit
µg/L	Micrograms per liter
MRBCA	Missouri Risk-Based Corrective Action
NA	Not analyzed
ND	Not detected at or above laboratory reporting limit
NE	Not established
RBTL	Risk-Based Target Level

TABLE E-15

SUMMARY OF PESTICIDES AND HERBICIDES IN GROUNDWATER SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID	Laboratory ID	Pesticides		Herbicides		
		gamma-BHC (Lindane)	**Dieldrin**	**2,4-D**	**Dicamba**	**Dichloroprop**
		Analyte and Associated Concentration[1] (µg/L)				
SB-1	60262572008	ND	ND	2.0	ND	2.0
SB-2	60262572009	ND	ND	4.1	ND	4.2
SB-3	60262572010	ND	ND	3.7	ND	4.0
SB-4	60262644013	ND	ND	8.0	ND	6.0
SB-5	60262644014	ND	ND	8.9	0.92	7.6
SB-6	60262644015	ND	ND	1.5	ND	1.5
SB-7	60262644016	ND	ND	0.43 J	ND	0.30 J
SB-8	60262644017	ND	ND	0.59	ND	0.40 J
SB-9	60262644018	ND	ND	ND	ND	ND
SB-10	60262738009	0.011	ND	1.7	0.32 J	1.2
SB-11	60262831008	ND	ND	ND	ND	ND
SB-11D	60262831012	NA	NA	NA	NA	NA
SB-12	60262738010	ND	0.023	2.3	ND	4.7
SB-13	60262738011	ND	ND	ND	ND	ND
SB-14	60262831009	ND	ND	ND	ND	ND
SB-15	60262831011	NA	NA	NA	NA	NA
SB-16	60262831010	ND	ND	ND	ND	ND
Screening Values (µg/L)						
EPA Maximum Contaminant Level		0.2	NE	70,000	NE	NE
MRBCA DTL		0.2^{DWG}	0.0294^{DWG}	70^{DWG}	454^{DWG}	94^{DWG}
Tier 1 Non-Residential RBTL - Soil Type 1 - Groundwater[2]		13.5	0.534	17,300	107,000	7,180

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

[2]Tier 1 Non-Residential RBTLs are for groundwater in Soil Type 1 with exposure via dermal contact.

Bold	Analyte concentration equals or exceeds the EPA Maximum Contaminant Level
BHC	Benzene hexachloride
D	Dichlorophenoxyacetic acid
DTL	Default Target Level
DWG	Domestic water use of groundwater
EPA	U.S. Environmental Protection Agency
ID	Identification
J	Analyte is present at an estimated concentration between the method detection limit and the reporting limit
µg/L	Micrograms per liter
MRBCA	Missouri Risk-Based Corrective Action
NA	Not analyzed
ND	Not detected at or above laboratory reporting limit
NE	Not established
RBTL	Risk-Based Target Level

TABLE E-16

SUMMARY OF TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID	Laboratory ID	TPH - GRO	TPH - DRO	TPH - ORO
		Analyte and Associated Concentration[1] (mg/L)		
SB-1	60262572008	ND	ND	ND
SB-2	60262572009	ND	75.4	2.4
SB-3	60262572010	ND	1.4	ND
SB-4	60262644013	ND	ND	0.97
SB-5	60262644014	ND	ND	1.7
SB-6	60262644015	ND	ND	1.3
SB-7	60262644016	ND	ND	1.0
SB-8	60262644017	ND	ND	ND
SB-9	60262644018	ND	ND	0.91
SB-10	60262738009	ND	ND	ND
SB-11	60262831008	ND	ND	ND
SB-11D	60262831012	ND	ND	ND
SB-12	60262738010	ND	2.4	5.9
SB-13	60262738011	ND	ND	1.9
SB-14	60262831009	ND	ND	1.3
SB-15	60262831011	ND	NA	NA
SB-16	60262831010	ND	ND	ND
Screening Values (mg/L)				
MRBCA DTLs		18.1[DWG]	34.3[DWG]	31.8[DWG]
Tier 1 Non-Residential RBTL - Soil Type 1 - Groundwater[2]		167	938	NE

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

[2]Tier 1 Non-Residential RBTLs for groundwater in Soil Type 1 are for exposure via indoor inhalation of vapor emissions.

Shade	Analyte concentration equals or exceeds the MRBCA DTL
DRO	Diesel-range organics
DTL	Default Target Level
DWG	Protection of domestic groundwater use pathway
GRO	Gasoline-range organics
ID	Identification
J	Analyte is present at an estimated concentration between the method detection limit and the reporting limit
mg/L	Milligrams per liter
MRBCA	Missouri Risk-Based Corrective Action
NA	Not analyzed
ND	Not detected at or above laboratory reporting limit
NE	Not established
ORO	Oil-range organics
RBTL	Risk-Based Target Level
TPH	Total petroleum hydrocarbons

TABLE E-17

SUMMARY OF TOTAL AND DISSOLVED RCRA METALS IN GROUNDWATER SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID	Laboratory ID	Arsenic	Barium	Cadmium	Chromium*	Lead	Selenium	Silver	Mercury
		Analyte and Associated Concentration[1] (µg/L)							
TOTAL METALS									
SB-1	60262572008	**36.2**	1,200	4.7 J	39.9	**95.4**	7.3 J	ND	1.1
SB-2	60262572009	**42.4**	**2,570**	**6.3**	76.6	**63.8**	8.8 J	ND	0.72
SB-3	60262572010	**119**	**14,600**	**16.1**	**181**	**401**	13.6 J	2.4 J	**31.6**
SB-4	60262644013	**72.9**	**4,310**	**6.4**	**129**	**109**	6.2 J	ND	0.25
SB-5	60262644014	**24.7**	797	**1.6 J**	59.1	**37.9**	ND	ND	0.11 J
SB-6	60262644015	**55.7**	**4,080**	**6.8**	**151**	**137**	5.5 J	ND	1.1
SB-7	60262644016	**63.9**	**10,900**	**5.0 J**	**145**	**145**	5.2 J	ND	0.72
SB-8	60262644017	**30.4**	1,760	1.8 J	**108**	**57.4**	ND	ND	0.11 J
SB-9	60262644018	**12.6**	562	0.79 J	40.7	**18.3**	ND	ND	ND
SB-10	60262738009	**68.6**	**7,570**	**8.6**	**218**	**268**	ND	ND	1.5
SB-11	60262831008	**170**	1,720	**3.1 J**	**130**	**148**	ND	ND	0.32
SB-11D	60262831012	**894**	**18,400**	**39.3**	**3130**	**2,880**	**205**	ND	**8.3**
SB-12	60262738010	**144**	**4,980**	**32.7**	**405**	**1,550**	6.0 J	8.4	**2.7**
SB-13	60262738011	**281**	**10,200**	**13.3**	**293**	**2,230**	8.7 J	ND	**2.7**
SB-14	60262831009	**45.1**	1,280	**5.4**	**132**	**172**	ND	ND	0.38
SB-15	60262831011	**1,070**	**10,200**	**147**	**1,520**	**6,320**	29.5 J	ND	**21.6**
SB-16	60262831010	**25.8**	1,220	**2.0 J**	**84.7**	**407**	3.7 J	2.9 J	0.9
DISSOLVED METALS									
SB-1	60262572008	ND	85.1	ND	1.2 J	ND	6.2 J	ND	ND
SB-2	60262572009	ND	74.5	ND	0.85 J	ND	6.9 J	ND	ND
SB-3	60262572010	ND	64.5	ND	0.80 J	ND	4.1 J	ND	ND
SB-4	60262644013	ND	76	0.71 J	0.84 J	ND	6.7 J	ND	ND
SB-5	60262644014	ND	78.4	ND	1.1 J	ND	4.5 J	ND	ND
SB-6	60262644015	ND	70.2	ND	1.4 J	ND	4.5 J	ND	ND
SB-7	60262644016	ND	71	ND	1.1 J	ND	6.2 J	ND	ND
SB-8	60262644017	ND	130	ND	1.5 J	ND	ND	ND	ND
SB-9	60262644018	ND	141	ND	ND	ND	ND	ND	ND
SB-10	60262738009	ND	84.3	0.76 J	1.8 J	ND	ND	ND	ND
SB-11	60262831008	**18.8**	652	ND	ND	ND	ND	ND	ND
SB-11D	60262831012	ND	333	ND	ND	ND	ND	ND	ND
SB-12	60262738010	ND	115	0.65 J	3.0 J	ND	5.5 J	ND	ND
SB-13	60262738011	ND	232	ND	ND	ND	3.8 J	ND	ND
SB-14	60262831009	ND	64.7	0.88 J	1.4 J	ND	ND	ND	ND
SB-15	60262831011	NA	NA	NA	NA	NA	NA	NA	NA
SB-16	60262831010	ND	94.6	ND	2.4 J	ND	7.6 J	ND	ND
Screening Values (µg/L)									
EPA Maximum Contaminant Level		10	2,000	5	100	15	50	NE	2
MRBCA DTLs		10[DWG]	2,000[DWG]	5[DWG]	100[DWG]	15[DWG]	50[DWG]	78.1[DWG]	50.7[DWG]
Tier 1 Non-Residential RBTL - Soil Type 1 - Groundwater[2]		578	6.19E+06	2,280	4.65E+07	NE	1.55E+05	2.58E+05	407

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

* Total chromium; screening values are for chromium (III), as hexavalent chromium is not believed to have been used at the site

[2]Tier 1 Non-Residential RBTLs for groundwater in Soil Type 1 are for dermal contact exposure; except Mercury, which is compared to exposure via indoor inhalation of vapor emissions.

Bold	Analyte concentration equals or exceeds the EPA Maximum Contaminant Level
Shade	Analyte concentration equals or exceeds the MRBCA DTL
Shade	Analyte concentration equals or exceeds the MRBCA DTL and RBTL
DTL	Default Target Level
DWG	Domestic water use of groundwater
EPA	U.S. Environmental Protection Agency
ID	Identification
J	Analyte is present at an estimated concentration between the method detection limit and the reporting limit
mg/L	Milligrams per liter
MRBCA	Missouri Risk-Based Corrective Action
NA	Not analyzed
ND	Not detected at or above laboratory reporting limit
NE	Not established
RBTL	Risk-Based Target Level

TABLE E-18

SUMMARY OF NITROGEN, SULFATE, AND pH IN GROUNDWATER SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID	Laboratory ID	Nitrogen (Nitrate/Nitrite)	Sulfate	pH
		Analyte and Associated Concentration[1] (mg/L)		Standard units
SB-1	60262572008	5.6	127	7.0
SB-2	60262572009	5.0	108	7.2
SB-3	60262572010	6.0	112	7.3
SB-4	60262644013	4.9	120	7.0
SB-5	60262644014	4.4	119	7.1
SB-6	60262644015	5.6	113	7.4
SB-7	60262644016	4.3	107	7.0
SB-8	60262644017	2.9	49.9	7.1
SB-9	60262644018	0.64	48	7.0
SB-10	60262738009	1.7	55.3	7.5
SB-11	60262831008	1.9	44.1	7.3
SB-11D	60262831012	NA	NA	NA
SB-12	60262738010	3.7	139	7.2
SB-13	60262738011	2.3	140	7.4
SB-14	60262831009	0.78	155	7.6
SB-15	60262831011	NA	NA	NA
SB-16	60262831010	3.8	63.5	7.3
Screening Values (mg/L)				
EPA Maximum Contaminant Level		10	NE	NE
MRBCA DTLs		NE	NE	NE
Tier 1 Non-Residential RBTL - Soil Type 1 - Groundwater[2]		NE	NE	NE

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

DTL	Default Target Level
EPA	U.S. Environmental Protection Agency
ID	Identification
J	Analyte is present at an estimated concentration between the method detection limit and the reporting limit
mg/L	Milligrams per liter
MRBCA	Missouri Risk-Based Corrective Action
NA	Not analyzed
ND	Not detected at or above laboratory reporting limit
NE	Not established
RBTL	Risk-Based Target Level

TABLE E-19

SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN FLOOR DRAIN SEDIMENT, WATER AND FLOOR SWEEPING SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID	Laboratory ID	Acetone	2-Butanone	Benzene	Carbon disulfide	1,2-Dichlorobenzene	4-Methyl-2-pentanone	Toluene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene
		Analyte and Associated Concentration[1] (µg/kg)								
FLOOR DRAIN SEDIMENT	60262831015	171	42.2	ND	ND	ND	ND	ND	ND	ND
FLOOR SWEEPING	60262831016	639	105	18.2	24.0	ND	ND	12.3 J	10.7 J	10.8J
Screening Values (µg/kg)										
EPA RSL - Industrial Soil		6.70E+07	1.90E+07	5.10E+03	3.50E+05	9.30E+05	1.40E+07	4.70E+06	2.60E+04	1.80E+05
MRBCA DTLs		4,200^{GWP}	7,300^{GWP}	561^{GWP}	6,260^{INH}	56,100^{GWP}	19,500^{GWP}	29,800^{GWP}	18,700^{GWP}	3,930^{GWP}
Tier 1 Non-Residential RBTL - Soil Type 1 - Surface Soil		8.07E+08	5.79E+08	7.60E+05	9.56E+07	7.54E+07	8.07E+07	8.11E+04	4.27E+06	1.01E+07
Analyte and Associated Concentration[1] (µg/L)										
FLOOR DRAIN WATER	60262831017	7.8 J	ND	0.13 J	ND	0.26 J	0.53 J	0.61 J	ND	0.23 J
Screening Values (µg/L)										
EPA Maximum Contaminant Level		NE	NE	5	NE	600,000	NE	1,000	70	NE
MRBCA DTLs		2,970^{DWG}	3,640^{DWG}	5^{DWG}	527^{DWG}	600^{DWG}	915	1,000^{DWG}	70^{DWG}	7.06^{DWG}
Tier 1 Non-Residential RBTL - Soil Type 1 - Groundwater		3.69E+04	5.79E+05	1.06E+03	1.15E+05	2.90E+04	5.18E+05	4.76E+04	1.25E+03	9.23E+03

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

DTL	Default Target Level
DWG	Domestic water use of groundwater
EPA RSL	U.S. Environmental Protection Agency Regional Screening Level
GWP	Protection of domestic groundwater use pathway
ID	Identification
INH	Indoor inhalation pathway
J	Analyte is present at an estimated concentration between the method detection limit and the reporting limit
µg/kg	Micrograms per kilogram
µg/L	Micrograms per liter
MRBCA	Missouri Risk-Based Corrective Action
ND	Not detected at or above laboratory reporting limit
NE	Not established

TABLE E-20

SUMMARY OF SEMIVOLATILE ORGANIC COMPOUNDS IN FLOOR DRAIN SEDIMENT, WATER AND FLOOR SWEEPING SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID	Laboratory ID	Benzo(b)fluoranthene	Benzoic Acid	1,4-Dichlorobenzene	bis(2-Ethylhexyl)phthalate	2-Methylnaphthalene
		Analyte and Associated Concentration[1] (µg/kg)				
FLOOR DRAIN SEDIMENT	60262831015	2,080 J	ND	5,560 J	9,200 J	8,290 J
FLOOR SWEEPING	60262831016	ND	ND	ND	ND	ND
Screening Values (µg/kg)						
EPA RSL - Industrial Soil		NE	3.30E+08	11,000	NE	300,000
MRBCA DTLs		1,720,000[SDC]	84,800 [GWP]	7,020[GWP]	347,000[SDC]	7,550[GWP]
Tier 1 Non-Residential RBTL - Soil Type 1 - Surface Soil		16,500,000	2.27E+09	3,380,000	1,230,000	3,590,000
Analyte and Associated Concentration[1] (µg/L)						
FLOOR DRAIN WATER	60262831017	ND	12.2 J	ND	ND	ND
Screening Values (µg/L)						
EPA Maximum Contaminant Level		NE	NE	75	NE	NE
MRBCA DTLs		26.4[DWG]	60,000[DWG]	75[DWG]	6[DWG]	11.7[DWG]
Tier 1 Non-Residential RBTL - Soil Type 1 - Groundwater		210	1.10E+07	1,640	275	784

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

DTL	Default Target Level
DWG	Domestic water use of groundwater
EPA RSL	U.S. Environmental Protection Agency Regional Screening Level
GWP	Protection of domestic groundwater use pathway
ID	Identification
µg/kg	Micrograms per kilogram
µg/L	Micrograms per liter
MRBCA	Missouri Risk-Based Corrective Action
ND	Not detected at or above laboratory reporting limit
NE	Not established
RBTL	Risk-Based Target Level
SDC	Soil direct contact pathway

TABLE E-21

SUMMARY OF PESTICIDES IN FLOOR DRAIN SEDIMENT, WATER AND FLOOR SWEEPING SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID	Laboratory ID	Pesticides												Herbicides		
		alpha-BHC	gamma-BHC (Lindane)	Chlordane	alpha-Chlordane	gamma-Chlordane	Chlorpyrifos	4,4'-DDD	4,4'-DDE	4,4'-DDT	Diazanon	Endosulfan I	Methoxychlor	2,4-D	Dicamba	Dichloroprop
Analyte and Associated Concentration (µg/kg)																
FLOOR DRAIN SEDIMENT	60262831015	62.1	629	ND	34.2 J	33.3 J	2,670	ND	ND	ND	ND	ND	621	ND	ND	ND
FLOOR SWEEPING	60262831016	ND	631	**21,300 J**	2,960	4,820	24,400	198	268	582	114 J	77.7	71.1	ND	ND	ND
Screening Values (µg/kg																
EPA RSL - Industrial Soil		360	2,500	7,700	NE	NE	82,000	2,500	9,300	8,500	57,000	700,000	410,000	960,000	2.50E+06	70
MRBCA DTLs		12.7^{GWP}	32.1 ^{GWP}	5,400^{GWP}	NE	16,000^{GWP}	8,160^{GWP}	20,200^{SDC}	14,300^{SDC}	14,300^{SDC}	400^{GWP}	27,100^{GWP}	304,000^{SDC}	9,380GWP	8,380^{GWP}	94^{DWG}
Tier 1 Non-Residential RBTL - Soil Type 1 - Surface Soil		2,580	14,600	48,700	NE	63,400	1.85E+06	71,800	50,600	50,700	9.20E+05	3.55E+06	3.05E+06	6.16E+06	1.85E+07	6.47E+06
Analyte and Associated Concentration (µg/L)																
FLOOR DRAIN WATER	60262831017	ND	**0.4**	1.3	0.14	0.14	0.76	0.011	0.052	0.036	ND	ND	ND	10	2.5	22.3
Screening Values (µg/L)																
EPA Maximum Contaminant Level		NE	0.2	2	NE	NE	NE	NE	NE	NE	NE	NE	40	70	NE	NE
MRBCA DTLs		688,000,000^{DWG}	0.2^{DWG}	30,200,000^{DWG}	NE	2^{DWG}	29.3^{DWG}	0.524^{DWG}	0.411^{DWG}	0.242S^{DWG}	11.3DWG	84.8^{DWG}	40^{DWG}	70^{DWG}	454^{DWG}	134^{DWG}
Tier 1 Non-Residential RBTL - Soil Type 1 - Groundwater		1.06	13.5	1.96	NE	7.32	585	3.52	2.83	1.51	427	6,590	224	17,300	107,000	3

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

Bold	Analyte concentration equals or exceeds the EPA RSL/Maximum Contaminant Level
Shade	Analyte concentration equals or exceeds the MRBCA DTL
BHC	Benzene hexachloride
D	Dichlorophenoxyacetic acid
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
DTL	Default Target Level
DWG	Domestic water use of groundwater
EPA RSL	U.S. Environmental Protection Agency Regional Screening Level
GWP	Protection of domestic groundwater use pathway
ID	Identification
J	Analyte is present at an estimated concentration between the method detection limit and the reporting limit
µg/kg	Micrograms per kilogram
µg/L	Micrograms per liter
MRBCA	Missouri Risk-Based Corrective Action
ND	Not detected at or above laboratory reporting limit
NE	Not established
RBTL	Risk-Based Target Level
SDC	Soil direct contact pathway

TABLE E-22

SUMMARY OF TOTAL PETROLEUM HYDROCARBONS IN FLOOR DRAIN SEDIMENT, WATER AND FLOOR SWEEPING SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID	Laboratory ID	TPH - GRO	TPH - DRO	TPH - ORO
		Analyte and Associated Concentration[1] (mg/kg)		
FLOOR DRAIN SEDIMENT	60262831015	ND	6,230	9,360
FLOOR SWEEPING	60262831016	ND	5,410	29,800
Screening Values (mg/kg)				
MRBCA DTLs		385[INH]	4,150[INH]	124,000[SDC]
Tier 1 Non-Residential RBTL - Soil Type 1 - Surface Soil		4.65E+06	1.41E+06	1.25E+06
Analyte and Associated Concentration[1] (mg/L)				
FLOOR DRAIN WATER	60262831017	ND	ND	1.2
Screening Values (mg/L)				
MRBCA DTLs		18.1[DWG]	34.3[DWG]	31.8[DWG]
Tier 1 Non-Residential RBTL - Soil Type 1 - Groundwater		167	938	NE

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

Shade	Analyte concentration equals or exceeds the MRBCA DTL
DRO	Diesel-range organics
DTL	Default Target Level
DWG	Domestic water use of groundwater
EPA	U.S. Environmental Protection Agency
GRO	Gasoline-range organics
GWP	Protection of domestic groundwater use pathway
ID	Identification
INH	Indoor inhalation pathway
J	Analyte is present at an estimated concentration between the method detection limit and the reporting limit
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
MRBCA	Missouri Risk-Based Corrective Action
ND	Not detected at or above laboratory reporting limit
ORO	Oil-range organics
RBTL	Risk-Based Target Level
SDC	Soil direct contact pathway
TPH	Total petroleum hydrocarbons

TABLE E-23

SUMMARY OF RCRA METALS IN FLOOR DRAIN SEDIMENT, WATER AND FLOOR SWEEPING SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID	Laboratory ID	Arsenic	Barium	Cadmium	Chromium*	Lead	Selenium	Silver	Mercury
		Analyte and Associated Concentration[1] (mg/kg)							
FLOOR DRAIN SEDIMENT	60262831015	**187**	1,580	2.1	59.2	173	2.2 J	0.48 J	0.63
FLOOR SWEEPING	60262831016	**14.1**	115	3.3	32.6	**857**	1.3 J	0.67 J	2.6
Screening Values (mg/kg)									
EPA RSL - Industrial Soil		3	22,000	98	180,000	800	NE	580	4.6
MRBCA DTLs		3.89^{SDC}	2,040^{GWP}	9.31^{GWP}	74,600^{SDC}	3.74^{GWP}	6.27^{GWP}	16.2^{GWP}	2.19^{INH}
Tier 1 Non-Residential RBTL - Soil Type 1 - Surface Soil		15.9	181,000	74.8	472,000	660	4,780	4,480	630
Analyte and Associated Concentration[1] (µg/L)									
TOTAL METALS									
FLOOR DRAIN WATER	60262831017	**11.1**	52.3	2.3 J	10.6	**30**	ND	ND	0.43
DISSOLVED METALS									
FLOOR DRAIN WATER	60262831017	4.9 J	13.8	2.1 J	3.0 J	ND	ND	ND	ND
Screening Values (µg/L)									
EPA Maximum Contaminant Level		10	2,000	5	100	15	50	NE	2
MRBCA DTLs		10^{DWG}	2,000^{DWG}	5^{DWG}	100^{DWG}	15^{DWG}	50^{DWG}	78.1^{DWG}	50.7^{DWG}
Tier 1 Non-Residential RBTL - Soil Type 1 - Groundwater		578	6.19E+06	2,280	4.65E+07	NE	1.55E+05	2.58E+05	407

Notes:

* Total chromium; screening values are for chromium (III), as hexavalent chromium is not believed to have been used at the site

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

Bold	Analyte concentration equals or exceeds the EPA RSL/Maximum Contaminant Level
Shade	Analyte concentration equals or exceeds the MRBCA DTL
Shade	Analyte concentration equals or exceeds the MRBCA DTL and RBTL
DTL	Default Target Level
DWG	Domestic water use of groundwater
EPA RSL	U.S. Environmental Protection Agency Regional Screening Level
GWP	Protection of domestic groundwater use pathway
ID	Identification
INH	Indoor inhalation pathway
J	Analyte is present at an estimated concentration between the method detection limit and the reporting limit
µg/L	Micrograms per liter
mg/kg	Milligrams per kilogram
MRBCA	Missouri Risk-Based Corrective Action
ND	Not detected at or above laboratory reporting limit
NE	Not established
RBTL	Risk-Based Target Level
RCRA	Resource Conservation and Recovery Act
SDC	Soil direct contact pathway

TABLE E-24

SUMMARY OF NITROGEN, SULFATE, AND pH IN FLOOR DRAIN SEDIMENT, WATER AND FLOOR SWEEPING SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID	Laboratory ID	Nitrate as N	Nitrite as N	Nitrogen (Nitrate/Nitrite)	Sulfate	pH
		Analyte and Associated Concentration[1] (mg/kg)				Standard units
FLOOR DRAIN SEDIMENT	60262831015	ND	ND	NA	1,500	7.0
FLOOR SWEEPING	60262831016	24.9	ND	NA	353	7.3
Screening Values (mg/kg)						
EPA RSL - Industrial Soil		1.90E+08	1.20E+07	NE	NE	NE
MRBCA DTLs		NE	NE	NE	NE	NE
Tier 1 Non-Residential RBTL - Soil Type 1 - Surface Soil		NE	NE	NE	NE	NE
		Analyte and Associated Concentration[1] (mg/L)				Standard units
FLOOR DRAIN WATER	60262831017	NA	NA	6.2	96	8.0
Screening Values (mg/L)						
EPA Maximum Contaminant Level		1	1	10	NE	NE
MRBCA DTLs		NE	NE	NE	NE	NE
Tier 1 Non-Residential RBTL - Soil Type 1 - Groundwater		NE	NE	NE	NE	NE

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

DTL	Default Target Level
EPA	U.S. Environmental Protection Agency
ID	Identification
J	Analyte is present at an estimated concentration between the method detection limit and the reporting limit
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
MRBCA	Missouri Risk-Based Corrective Action
NA	Not analyzed
ND	Not detected at or above laboratory reporting limit
NE	Not established
RBTL	Risk-Based Target Level
SDC	Soil direct contact pathway

TABLE E-25

SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN QUALITY CONTROL SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID	Laboratory ID	Acetone	Carbon disulfide	Chloroform	Toluene
		Analyte and Associated Concentration[1] (µg/L)			
Equipment Blank	60262831013	4.7 J	ND	0.18 J	0.20 J
Water Trip Blank	60262831014	ND	0.13 J	ND	ND
Soil Trip Blank	60262572011	ND	ND	ND	ND

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

ID	Identification
J	Analyte is present at an estimated concentration between the method detection limit and the reporting limit
µg/L	Micrograms per liter
ND	Not detected at or above laboratory reporting limit

TABLE E-26

SUMMARY OF SEMIVOLATILE ORGANIC COMPOUNDS IN QUALITY CONTROL SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID	Laboratory ID	2-,4-Dichlorophenol	2,4-Dimethylphenol	2-Chlorophenol	3&4-Methylphenol	Bis(2-ethylhexyl)phthalate	Dibenzofuran	Phenol
		Analyte and Associated Concentration (µg/L)						
Equipment Blank	60262831013	ND	ND	ND	ND	ND	ND	ND
Water Trip Blank	60262831014	NA	NA	NA	NA	NA	NA	NA
Soil Trip Blank	60262572011	NA	NA	NA	NA	NA	NA	NA

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

ID	Identification
µg/L	Micrograms per liter
NA	Not analyzed
ND	Not detected at or above laboratory reporting limit

TABLE E-27

SUMMARY OF PESTICIDES AND HERBICIDES IN QUALITY CONTROL SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID	Laboratory ID	Pesticides	Herbicides
		Analyte and Associated Concentration[1] (µg/L)	
Equipment Blank	60262831013	ND	ND
Water Trip Blank	60262831014	NA	NA
Soil Trip Blank	60262572011	NA	NA

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

ID	Identification
µg/L	Micrograms per liter
NA	Not analyzed
ND	Not detected at or above laboratory reporting limit

TABLE E-28

SUMMARY OF TOTAL PETROLEUM HYDROCARBONS IN QUALITY CONTROL SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID	Laboratory ID	TPH - GRO	TPH - DRO	TPH - ORO
		Analyte and Associated Concentration[1] (mg/L)		
Equipment Blank	60262831013	ND	ND	ND
Water Trip Blank	60262831014	NA	NA	NA
Soil Trip Blank	60262572011	NA	NA	NA

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

DRO	Diesel-range organics
GRO	Gasoline-range organics
ID	Identification
mg/L	Milligrams per liter
NA	Not analyzed
ND	Not detected at or above laboratory reporting limit
ORO	Oil-range organics
TPH	Total petroleum hydrocarbons

TABLE E-29

SUMMARY OF TOTAL RCRA METALS IN QUALITY CONTROL SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID	Laboratory ID	Arsenic	Barium	Cadmium	Chromium*	Lead	Selenium	Silver	Mercury
		Analyte and Associated Concentration[1] (mg/L)							
TOTAL METALS									
Equipment Blank	60262831013	ND	ND	ND	ND	ND	ND	ND	ND
Water Trip Blank	60262831014	NA	NA	NA	NA	NA	NA	NA	NA
Soil Trip Blank	60262572011	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

[1]Only analytes with concentrations above laboratory detection limits are presented. Complete laboratory reports are included in Appendix F.

* Total chromium; screening values are for chromium (III), as hexavalent chromium is not believed to have been used at the site

mg/L	Milligrams per liter
NA	Not analyzed
ND	Not detected at or above laboratory reporting limit
RCRA	Resource Conservation and Recovery Act

TABLE E-30

SUMMARY OF NITROGEN, SULFATE, AND pH IN QUALITY CONTROL SAMPLES
MEAD HANSEN BUILDING SITE
ST. JOSEPH, MISSOURI

Sample ID	Laboratory ID	Nitrate as N	Sulfate	pH
		Analyte Concentration (mg/L)		Standard Units
Equipment Blank	60262831013	ND	ND	7.0
Water Trip Blank	60262831014	NA	NA	NA
Soil Trip Blank	60262572011	NA	NA	NA

Notes:

ID	Identification
mg/L	Milligrams per liter
NA	Not analyzed
ND	Not detected at or above laboratory reporting limit

APPENDIX F

CHAIN-OF-CUSTODY RECORDS, ANALYTICAL DATA PACKAGES, AND DATA VALIDATION REPORTS

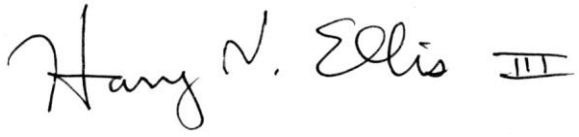
Tetra Tech, Inc.
DATA VALIDATION REPORT
LEVEL II

Site:	Mead Hansen Building Site
Laboratory:	Pace Analytical (Lenexa, Kansas)
Data Reviewer:	Harry Ellis, Tetra Tech, Inc. (Tetra Tech)
Review Date	February 20, 2018
Sample Delivery Group (SDG):	60262572
Sample Numbers:	SB-1 (0-1), SB-1 (3-5), SB-2 (0-1), SB-2 (3-5), SB-3 (0-1), SB-3 (3-5), SB-3 (12-14), SB-1, SB-2, SB-3,, and Soil Trip Blank
Matrix / Number of Samples:	Seven Soil Samples, Three Groundwater Samples, and One Blank Sample

The data were qualified according to the U.S. Environmental Protection Agency (EPA) Region 7 documents entitled "Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review", dated January 2017, and "Contract Laboratory Program National Functional Guidelines for Superfund Inorganic Methods Data Review", also dated January 2017. In addition, the Tetra Tech document "Review of Data Packages from Subcontracted Laboratories" (February 2002) was used along with other criteria specified in the applicable methods.

The review was intended to identify problems and quality control (QC) deficiencies that were readily apparent from the summary data package. The following sections discuss any problems or deficiencies that were found, and data qualifications applied because of non-compliant QC. The data review was limited to the available field and laboratory QC information submitted with the project-specific data package.

I, Harry Ellis, certify that all data validation criteria outlined in the above-referenced documents were assessed, and any qualifications made to the data accorded with those documents.



20 February 2018

Certified by Harry Ellis, Chemist — Date

DATA VALIDATION QUALIFIERS

U — The analyte was not detected above the reported sample quantitation limit.

J — The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ — The analyte was not detected above the reported sample quantitation limit, which is estimated.

R — The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet QC criteria. Presence or absence of the analyte cannot be verified.

DATA ASSESSMENT

Sample delivery group (SDG) 60262572 included seven (7) environmental soil samples, three (3) environmental groundwater samples, and one (1) quality control (QC) sample (a soil trip blank). Samples were analyzed for volatile organic compounds (VOC) by EPA SW-846 Method 8260, semivolatile organic compounds (SVOC) by EPA SW-846 Method 8270, total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO, and oil range organics (ORO) by EPA SW-846 Methods 8260 and 8270, organochlorine pesticides by EPA SW-846 Method 8081, organophosphate pesticides by EPA SW-846 Method 8141,, organochlorine herbicides by EPA SW-846 Method 8051A, total and dissolved metals by EPA SW-846 Methods 6010 and 7471 and EPA Water Methods 200.7 and 245.1, pH by EPA SW-846 Method 9045 and Standard Method 4500-H, and inorganic anions by EPA SW-846 Method 9056 and EPA Water Method 353.2. All samples did not receive all analyses. The following summarizes the data validation that was performed.

VOLATILE ORGANIC COMPOUND ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding time of 14 days from sample collection to analysis. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

No MS/MSD analyses were performed due to insufficient sample volume. No qualifications were applied for these data gaps.

III. Blanks

The laboratory (method) blanks and trip blanks yielded no detectable concentrations of analytes, so no qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Surrogates

All surrogate recoveries were within their QC limits. No qualifications were applied.

VI. Comments

Some detected concentrations were less than their reporting limits ("RL"). These low-concentration results were qualified as estimated (flagged "J").

VII. Overall Assessment of Data

Overall data quality is acceptable, with no qualifications applied. All data are usable as reported for their intended purposes.

SEMIVOLATILE ORGANIC COMPOUND ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding time of 14 days from sample collection to extraction and 40 days to analysis. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

The soil MS/MSD analyses were performed on sample SB-1 (0-1). They yielded recoveries of 125 and 108 percent (versus limits of 47 to 102 percent) for bis(2-chloroethyl)ether and of 22 and 31 percent (versus 49 to 110 percent) for phenanthrene. bis(2-Chloroethyl)ether was not detected in the unspiked sample, so that result was not qualified. Phenanthrene was reported at a concentration similar to the spike, so these results indicate heterogeneity in the phenanthrene distribution within the sample. Therefore the phenanthrene result for that sample was qualified as estimated and flagged "J".

There was insufficient sample for aqueous MS/MSD analyses. No qualifications were applied for these data gaps.

III. Blanks

The laboratory (method) blank yielded no detectable analyte concentrations. No qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Surrogates

All surrogate recoveries were within QC limits so no qualifications were applied.

VI. Comments

Some detected concentrations were less than their RLs. These low-concentration results were qualified as estimated (flagged "J").

VII. Overall Assessment of Data

Overall data quality is acceptable, with no significant qualifications applied. All data are usable as qualified for their intended purposes.

TOTAL PETROLEUM HYDROCARBON ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding times. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Due to insufficient sample volume, the only MS/MSD analyses were for DRO/ORO in soil. Results were fully satisfactory. No qualifications were applied for the data gaps.

III. Blanks

The soil laboratory (method) blank yielded a low concentration of ORO. All field samples yielded much higher concentrations, so no qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Surrogates

All field sample surrogate recoveries were within QC limits. The GRO blank and LCS yielded excessive recoveries for one (of there) surrogates), but no qualifications were applied for these irregularities in QC samples..

VI. Comments

Some detected concentrations (including all for silver) were less than their RLs. These low-concentration results were qualified as estimated (flagged "J").

VII. Overall Assessment of Data

Overall data quality is acceptable, with no qualifications applied. All data are usable as reported for their intended purposes.

ORGANOCHLORINE PESTICIDES ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding times. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Most MS/MSD results were within limits. However, the soil analyses performed on sample SB-1 (0-1) yielded beta-BHC recoveries of 110 and 146 percent, versus limits of 70 to 130 percent. beta-BHC was not detected in any unspiked samples so no qualifications were applied.

III. Blanks

The laboratory (method) blanks yielded no detectable analytes. No qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Surrogates

All surrogate recoveries from field samples were within QC limits. The soil laboratory blank and LCS yielded excessive recoveries for the second (of two) surrogate. No qualifications were applied for these irregularities in laboratory samples.

VI. Comments

No analytes were detected in the field samples.

VII. Overall Assessment of Data

Overall data quality is acceptable, with no qualifications applied. All data are usable as reported for their intended purposes.

ORGANOPHOSPHATE PESTICIDES ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding times. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

In the soil MS/MSD analyses performed on sample SB-1 (3-5), recoveries of diazinon could not be determined because the unspiked sample contained almost 20 times the amount of the spike. No qualifications were applied for this data gap. However, matrix interference led to excessive relative percent differences (RPD) (that is, more than 40 percent) for diazinon (47 percent) and most other analytes. This is apparently due to matrix interference. Therefore all detected results in the unspiked sample were qualified as estimated and flagged "J".

The aqueous MS analysis, performed on sample SB-2, yielded excessive recoveries for ethyl parathion and trichloronate, again apparently due to matrix interference. Again, no qualifications were applied. Also, no qualifications were applied for the lack of a MSD analysis.

III. Blanks

The laboratory (method) blanks yielded no detectable analytes. No qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Surrogates

All surrogate recoveries were within QC limits so no qualifications were applied.

VI. Comments

Aqueous sample SB-2 was analyzed at a 5-fold dilution to minimize matrix interference. No qualifications were applied, but the nondetected results for this sample are not comparable to those for others.

VII. Overall Assessment of Data

Overall data quality is acceptable, with few qualifications applied. All data are usable as qualified for their intended purposes.

ORGANOCHLORINE HERBICIDES ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding times. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

The soil MS/MSD analyses performed on sample SB-1 (0-1) yielded recoveries of 9 and 20 percent for dalapon, versus limits of 10 to 154 percent. The average recovery is within limits so no qualifications were applied. In addition, most spiked analytes yielded excessive RPD. No organochlorine herbicides were detected in the unspiked sample (or other soil sample), so no qualifications were applied.

The aqueous MS analysis performed on sample SB-3 yielded low recoveries for 2,4-D and dichloroprop, the only two detected analytes. This is due to matrix interference, heterogeneous distribution, or both. IN addition, most RPD were above their limits, apparently due to matrix interference. Therefore the detected results for chlorinated herbicides in that sample were qualified as estimated and flagged :"J".

III. Blanks

The laboratory (method) blanks yielded no detectable analytes. No qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Surrogates

All surrogate recoveries were within QC limits so no qualifications were applied.

VI. Comments

No analytes were detected in the soil samples, but several were detected in the aqueous samples. .

VII. Overall Assessment of Data

Overall data quality is acceptable, with few qualifications applied. All data are usable as qualified for their intended purposes.

METALS ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding times of 28 days (for mercury) and 6 months (for all other metals) from sample collection to analysis. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

In the soil MS/MSD analyses performed on sample SB-1 (0-1), recoveries of barium were 156 and 19 percent, versus limits of 75 to 125 percent. However, the RPD was only 17 percent, below it limit of 20 percent. Therefore the heterogeneity in the sample barium concentration was not qualified.

III. Blanks

No analytes were detected in the laboratory blanks. No qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Comments

Some detected concentrations (including all for silver) were less than their RLs. These low-concentration results were qualified as estimated (flagged "J").

VI. Overall Assessment of Data

Overall data quality is acceptable, with no significant qualifications applied. All data are usable as qualified for their intended purposes.

IONS ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The holding time for pH analyses is "as soon as possible", generally interpreted as within 15 minutes of sampling (for water) or of preparation (for soil). The pH analyses were performed four days after sampling, so the water results were qualified as estimated and flagged "J". All other holding time requirements were met so no further qualifications were applied.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSD analyses performed on samples from other sites were not evaluated. Those performed on these samples, and the laboratory duplicate analyses performed on these samples, yielded fully acceptable results, so no qualifications were applied.

III. Blanks

No analytes were detected in the laboratory blanks. No qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Comments

Some detected concentrations were less than their RLs. These low-concentration results were qualified as estimated (flagged "J"). All sulfate analyses and the soil analyses for nitrate and nitrite were performed at 10-fold dilutions to minimize matrix interference. The aqueous concentrations for nitrate plus nitrite were performed at 2-fold dilutions for the same reason. Since all samples received the same dilutions, all results are comparable.

VI. Overall Assessment of Data

Overall data quality is acceptable, with no significant qualifications applied. All data are usable as qualified for their intended purposes.

Pace Analytical Services, LLC
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Lenexa, KS 66219
(913)599-5665

February 09, 2018

Emily Fisher
TETRA TECH EMI
415 Oak
Kansas City, MO 64106

RE: Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Dear Emily Fisher:
Enclosed are the analytical results for sample(s) received by the laboratory on January 23, 2018. 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.

2/7/2018 revised to report to the MDL

Revised report_rev1

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

Sincerely,

Jeffrey Shopper
jeff.shopper@pacelabs.com
1(913)563-1408
Project Manager

Enclosures

cc: John Simpson, TETRA TECH EMI

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CERTIFICATIONS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 17-016-0
Illinois Certification #: 200030
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212018-1
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407
Utah Certification #: KS00021
Kansas Field Laboratory Accreditation: # E-92587
Missouri Certification: 10070

Dallas Certification IDs:
400 West Bethany Dr Suite 190, Allen, TX 75013
EPA# TX00074
Florida Certification #: E871118
Texas Certification #: T104704232
Kansas Certification #: E-10388
Arkansas Certification #: 88-0647
Oklahoma Certification #: 8727
Louisiana Certification #: 30686
Iowa Certification #: 408
Florida Certification #: E871118
Nevada Certification #: TX00074

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SAMPLE SUMMARY

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60262572001	**SB-1 (0-1)**	Solid	01/22/18 13:50	01/23/18 12:15
60262572002	**SB-1 (3-5)**	Solid	01/22/18 14:00	01/23/18 12:15
60262572003	**SB-2 (0-1)**	Solid	01/22/18 15:20	01/23/18 12:15
60262572004	**SB-2 (3-5)**	Solid	01/22/18 15:30	01/23/18 12:15
60262572005	**SB-3 (0-1)**	Solid	01/22/18 16:50	01/23/18 12:15
60262572006	**SB-3 (3-5)**	Solid	01/22/18 17:00	01/23/18 12:15
60262572007	**SB-2 (12-14)**	Solid	01/22/18 15:50	01/23/18 12:15
60262572008	**SB-1**	Water	01/22/18 14:40	01/23/18 12:15
60262572009	**SB-2**	Water	01/22/18 16:20	01/23/18 12:15
60262572010	**SB-3**	Water	01/22/18 17:20	01/23/18 12:15
60262572011	**TRIP BLANK SOIL**	Solid	01/22/18 13:50	01/23/18 12:15

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SAMPLE ANALYTE COUNT

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60262572001	**SB-1 (0-1)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	TDS	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	AGO	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262572002	**SB-1 (3-5)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	TDS	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262572003	**SB-2 (0-1)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	TDS	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262572004	**SB-2 (3-5)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	TDS	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262572005	**SB-3 (0-1)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	TDS	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262572006	**SB-3 (3-5)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	TDS	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K

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SAMPLE ANALYTE COUNT

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262572007	**SB-2 (12-14)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	TDS	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262572008	**SB-1**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 6010	JGP	7	PASI-K
		EPA 7470	JRS	1	PASI-K
		EPA 7470	SMW	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5030B/8260	PGH	69	PASI-K
		EPA 8260	JTK	4	PASI-K
		SM 4500-H+B	MJK	1	PASI-K
		EPA 353.2	RAD	1	PASI-K
		EPA 9056	LDB	1	PASI-K
60262572009	**SB-2**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 6010	JGP	7	PASI-K
		EPA 7470	JRS	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7470	SMW	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5030B/8260	PGH	69	PASI-K
		EPA 8260	JTK	4	PASI-K
		SM 4500-H+B	MJK	1	PASI-K
		EPA 353.2	RAD	1	PASI-K
		EPA 9056	LDB	1	PASI-K
60262572010	**SB-3**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 6010	JGP	7	PASI-K
		EPA 7470	JRS	1	PASI-K
		EPA 7470	SMW	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5030B/8260	PGH	69	PASI-K
		EPA 8260	JTK	4	PASI-K
		SM 4500-H+B	MJK	1	PASI-K
		EPA 353.2	RAD	1	PASI-K
		EPA 9056	LDB	1	PASI-K
60262572011	**TRIP BLANK SOIL**	EPA 8260	JKL	68	PASI-K

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 8081**
Description: 8081 GCS Pesticides
Client: TETRA TECH EMI
Date: February 09, 2018

General Information:
10 samples were analyzed for EPA 8081. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 91279

S0: Surrogate recovery outside laboratory control limits.

- BLANK (Lab ID: 404437)
  - Decachlorobiphenyl (S)
- LCS (Lab ID: 404438)
  - Decachlorobiphenyl (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 91279

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262572001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 404440)
  - beta-BHC

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 8141A**
Description: 8141 O/P Pesticides Microwave
Client: TETRA TECH EMI
Date: February 09, 2018

General Information:
7 samples were analyzed for EPA 8141A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 91281

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262572002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 404452)
  - Diazinon
- MSD (Lab ID: 404453)
  - Diazinon

R1: RPD value was outside control limits.

- MSD (Lab ID: 404453)
  - Chlorpyrifos
  - Diazinon
  - Dichlorvos
  - Disulfoton
  - EPN (ENT)
  - Ethoprop
  - Fenthion

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 8141A**
Description: 8141 O/P Pesticides Microwave
Client: TETRA TECH EMI
Date: February 09, 2018

QC Batch: 91281

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262572002

R1: RPD value was outside control limits.

- Malathion
- Methyl parathion
- Mevinphos
- Parathion (Ethyl parathion)
- Phorate
- Ronnel
- Stirophos (Tetrachlorvinphos)
- Sulfotep (Thiodiphosphoric Ac
- Tokuthion (Prothiofos)
- Total Demeton
- Trichloronate

Additional Comments:

Analyte Comments:

QC Batch: 91281

N2: The lab does not hold NELAC/TNI accreditation for this parameter.

- BLANK (Lab ID: 404450)
  - Total Demeton
  - Total Merphos
- LCS (Lab ID: 404451)
  - Total Demeton
  - Total Merphos
- MS (Lab ID: 404452)
  - Total Demeton
  - Total Merphos
- MSD (Lab ID: 404453)
  - Total Demeton
  - Total Merphos
- SB-1 (0-1) (Lab ID: 60262572001)
  - Total Demeton
  - Total Merphos
- SB-1 (3-5) (Lab ID: 60262572002)
  - Total Demeton
  - Total Merphos
- SB-2 (0-1) (Lab ID: 60262572003)
  - Total Demeton
  - Total Merphos
- SB-2 (12-14) (Lab ID: 60262572007)
  - Total Demeton
  - Total Merphos

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 8141A**
Description: 8141 O/P Pesticides Microwave
Client: TETRA TECH EMI
Date: February 09, 2018

Analyte Comments:

QC Batch: 91281

N2: The lab does not hold NELAC/TNI accreditation for this parameter.

- SB-2 (3-5) (Lab ID: 60262572004)
  - Total Demeton
  - Total Merphos
- SB-3 (0-1) (Lab ID: 60262572005)
  - Total Demeton
  - Total Merphos
- SB-3 (3-5) (Lab ID: 60262572006)
  - Total Demeton
  - Total Merphos

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 8141A**
Description: 8141 GCS, O/P Pesticides
Client: TETRA TECH EMI
Date: February 09, 2018

General Information:
3 samples were analyzed for EPA 8141A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 91347

S1: Surrogate recovery outside laboratory control limits (confirmed by re-analysis).
- LCS (Lab ID: 404970)
  - Tributylphosphate (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 91347

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262572009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- MS (Lab ID: 404971)
  - Trichloronate

M3: Matrix spike recovery was outside laboratory control limits due to matrix interferences.
- MS (Lab ID: 404971)
  - Parathion (Ethyl parathion)

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 8141A**
Description: 8141 GCS, O/P Pesticides
Client: TETRA TECH EMI
Date: February 09, 2018

Analyte Comments:

QC Batch: 91347

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- SB-2 (Lab ID: 60262572009)
  - Tributylphosphate (S)

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 8151**
Description: 8151 Chlorinated Herbicides
Client: TETRA TECH EMI
Date: February 09, 2018

General Information:
10 samples were analyzed for EPA 8151. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 8151 with any exceptions noted below.

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 91432

S1: Surrogate recovery outside laboratory control limits (confirmed by re-analysis).

- SB-1 (3-5) (Lab ID: 60262572002)
  - 2,4-DCAA (S)
- SB-2 (12-14) (Lab ID: 60262572007)
  - 2,4-DCAA (S)
- SB-3 (3-5) (Lab ID: 60262572006)
  - 2,4-DCAA (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 91432

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262572001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 405364)
  - Dalapon

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 8151**
Description: 8151 Chlorinated Herbicides
Client: TETRA TECH EMI
Date: February 09, 2018

QC Batch: 91432

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262572001

R1: RPD value was outside control limits.

- MSD (Lab ID: 405365)
  - 2,4,5-T
  - 2,4-D
  - Dalapon
  - Dicamba
  - Dinoseb
  - MCPP

QC Batch: 91466

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262572010

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 405534)
  - 2,4-D
  - Dichloroprop

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 6010**
Description: 6010 MET ICP Red. Interference
Client: TETRA TECH EMI
Date: February 09, 2018

General Information:
7 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 511567

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262572001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2094753)
  - Barium

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 6010**
Description: 6010 MET ICP
Client: TETRA TECH EMI
Date: February 09, 2018

General Information:
3 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 6010**
Description: 6010 MET ICP, Dissolved (LF)
Client: TETRA TECH EMI
Date: February 09, 2018

General Information:
3 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 7470**
Description: 7470 Mercury
Client: TETRA TECH EMI
Date: February 09, 2018

General Information:
3 samples were analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 7470**
Description: 7470 Mercury, Dissolved (LF)
Client: TETRA TECH EMI
Date: February 09, 2018

General Information:
3 samples were analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 7471**
Description: 7471 Mercury
Client: TETRA TECH EMI
Date: February 09, 2018

General Information:
7 samples were analyzed for EPA 7471. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 511728

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262572001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2095317)
  - Mercury
- MSD (Lab ID: 2095318)
  - Mercury

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 8270**
Description: 8270 MSSV Semivolatiles
Client: TETRA TECH EMI
Date: February 09, 2018

General Information:
7 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 511576

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262572001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2094773)
  - Phenanthrene
  - bis(2-Chloroethyl) ether
- MSD (Lab ID: 2094774)
  - Phenanthrene
  - bis(2-Chloroethyl) ether

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 09, 2018

General Information:
3 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 511654

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Analyte Comments:

QC Batch: 511654

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-1 (Lab ID: 60262572008)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dichlorobenzene
  - 1,3-Dichlorobenzene
  - 1,4-Dichlorobenzene

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 09, 2018

Analyte Comments:

QC Batch: 511654

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-1 (Lab ID: 60262572008)
  - 2,4,6-Trichlorophenol
  - 2,4-Dichlorophenol
  - 2,4-Dimethylphenol
  - 2,4-Dinitrophenol
  - 2,4-Dinitrotoluene
  - 2,4,5-Trichlorophenol
  - 2,6-Dinitrotoluene
  - 2-Chloronaphthalene
  - 2-Chlorophenol
  - 2-Methylphenol(o-Cresol)
  - 2-Methylnaphthalene
  - 2-Nitroaniline
  - 2-Nitrophenol
  - 3,3'-Dichlorobenzidine
  - 3&4-Methylphenol(m&p Cresol)
  - 3-Nitroaniline
  - 4,6-Dinitro-2-methylphenol
  - 4-Bromophenylphenyl ether
  - 4-Chloro-3-methylphenol
  - 4-Chloroaniline
  - 4-Chlorophenylphenyl ether
  - 4-Nitroaniline
  - 4-Nitrophenol
  - Acenaphthene
  - Acenaphthylene
  - Anthracene
  - Butylbenzylphthalate
  - Benzoic acid
  - Benzyl alcohol
  - Benzo(k)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(a)anthracene
  - Benzo(b)fluoranthene
  - Benzo(a)pyrene
  - bis(2-Chloroethoxy)methane
  - bis(2-Chloroethyl) ether
  - bis(2-Chloroisopropyl) ether
  - bis(2-Ethylhexyl)phthalate
  - Carbazole
  - Chrysene
  - Dibenz(a,h)anthracene
  - Dibenzofuran

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 09, 2018

Analyte Comments:

QC Batch: 511654

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-1 (Lab ID: 60262572008)
  - Dimethylphthalate
  - Di-n-butylphthalate
  - Di-n-octylphthalate
  - Diethylphthalate
  - Fluorene
  - Fluoranthene
  - Hexachloro-1,3-butadiene
  - Hexachlorobenzene
  - Hexachlorocyclopentadiene
  - Hexachloroethane
  - Indeno(1,2,3-cd)pyrene
  - Isophorone
  - Naphthalene
  - N-Nitroso-di-n-propylamine
  - Nitrobenzene
  - N-Nitrosodiphenylamine
  - Phenol
  - Phenanthrene
  - Pentachlorophenol
  - Pyrene
  - Pyridine
- SB-2 (Lab ID: 60262572009)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dichlorobenzene
  - 1,3-Dichlorobenzene
  - 1,4-Dichlorobenzene
  - 2,4,6-Trichlorophenol
  - 2,4-Dichlorophenol
  - 2,4-Dimethylphenol
  - 2,4-Dinitrophenol
  - 2,4-Dinitrotoluene
  - 2,4,5-Trichlorophenol
  - 2,6-Dinitrotoluene
  - 2-Chloronaphthalene
  - 2-Chlorophenol
  - 2-Methylphenol(o-Cresol)
  - 2-Methylnaphthalene
  - 2-Nitroaniline
  - 2-Nitrophenol
  - 3,3'-Dichlorobenzidine
  - 3&4-Methylphenol(m&p Cresol)
  - 3-Nitroaniline

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 09, 2018

Analyte Comments:

QC Batch: 511654

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-2 (Lab ID: 60262572009)
  - 4,6-Dinitro-2-methylphenol
  - 4-Bromophenylphenyl ether
  - 4-Chloro-3-methylphenol
  - 4-Chloroaniline
  - 4-Chlorophenylphenyl ether
  - 4-Nitroaniline
  - 4-Nitrophenol
  - Acenaphthene
  - Acenaphthylene
  - Anthracene
  - Butylbenzylphthalate
  - Benzoic acid
  - Benzyl alcohol
  - Benzo(k)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(a)anthracene
  - Benzo(b)fluoranthene
  - Benzo(a)pyrene
  - bis(2-Chloroethoxy)methane
  - bis(2-Chloroethyl) ether
  - bis(2-Chloroisopropyl) ether
  - bis(2-Ethylhexyl)phthalate
  - Carbazole
  - Chrysene
  - Dibenz(a,h)anthracene
  - Dibenzofuran
  - Dimethylphthalate
  - Di-n-butylphthalate
  - Di-n-octylphthalate
  - Diethylphthalate
  - Fluorene
  - Fluoranthene
  - Hexachloro-1,3-butadiene
  - Hexachlorobenzene
  - Hexachlorocyclopentadiene
  - Hexachloroethane
  - Indeno(1,2,3-cd)pyrene
  - Isophorone
  - Naphthalene
  - N-Nitroso-di-n-propylamine
  - Nitrobenzene
  - N-Nitrosodiphenylamine

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 09, 2018

Analyte Comments:

QC Batch: 511654

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-2 (Lab ID: 60262572009)
  - Phenol
  - Phenanthrene
  - Pentachlorophenol
  - Pyrene
  - Pyridine
- SB-3 (Lab ID: 60262572010)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dichlorobenzene
  - 1,3-Dichlorobenzene
  - 1,4-Dichlorobenzene
  - 2,4,6-Trichlorophenol
  - 2,4-Dichlorophenol
  - 2,4-Dimethylphenol
  - 2,4-Dinitrophenol
  - 2,4-Dinitrotoluene
  - 2,4,5-Trichlorophenol
  - 2,6-Dinitrotoluene
  - 2-Chloronaphthalene
  - 2-Chlorophenol
  - 2-Methylphenol(o-Cresol)
  - 2-Methylnaphthalene
  - 2-Nitroaniline
  - 2-Nitrophenol
  - 3,3'-Dichlorobenzidine
  - 3&4-Methylphenol(m&p Cresol)
  - 3-Nitroaniline
  - 4,6-Dinitro-2-methylphenol
  - 4-Bromophenylphenyl ether
  - 4-Chloro-3-methylphenol
  - 4-Chloroaniline
  - 4-Chlorophenylphenyl ether
  - 4-Nitroaniline
  - 4-Nitrophenol
  - Acenaphthene
  - Acenaphthylene
  - Anthracene
  - Butylbenzylphthalate
  - Benzoic acid
  - Benzyl alcohol
  - Benzo(k)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(a)anthracene

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9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 09, 2018

Analyte Comments:

QC Batch: 511654

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-3 (Lab ID: 60262572010)
  - Benzo(b)fluoranthene
  - Benzo(a)pyrene
  - bis(2-Chloroethoxy)methane
  - bis(2-Chloroethyl) ether
  - bis(2-Chloroisopropyl) ether
  - bis(2-Ethylhexyl)phthalate
  - Carbazole
  - Chrysene
  - Dibenz(a,h)anthracene
  - Dibenzofuran
  - Dimethylphthalate
  - Di-n-butylphthalate
  - Di-n-octylphthalate
  - Diethylphthalate
  - Fluorene
  - Fluoranthene
  - Hexachloro-1,3-butadiene
  - Hexachlorobenzene
  - Hexachlorocyclopentadiene
  - Hexachloroethane
  - Indeno(1,2,3-cd)pyrene
  - Isophorone
  - Naphthalene
  - N-Nitroso-di-n-propylamine
  - Nitrobenzene
  - N-Nitrosodiphenylamine
  - Phenol
  - Phenanthrene
  - Pentachlorophenol
  - Pyrene
  - Pyridine

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 8270**
Description: 8270 MSSV DRO/ORO
Client: TETRA TECH EMI
Date: February 09, 2018

General Information:
10 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 511572

S0: Surrogate recovery outside laboratory control limits.

- LCS (Lab ID: 2094761)
  - Nitrobenzene-d5 (S)

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

- BLANK (Lab ID: 2094760)
  - 2-Fluorobiphenyl (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 511638

B: Analyte was detected in the associated method blank.

- BLANK for HBN 511638 [OEXT/630 (Lab ID: 2094920)
  - TPH-ORO

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 8270**
Description: 8270 MSSV DRO/ORO
Client: TETRA TECH EMI
Date: February 09, 2018

QC Batch: 511572

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Analyte Comments:

QC Batch: 511572

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-1 (Lab ID: 60262572008)
  - TPH-DRO
  - TPH-ORO
- SB-2 (Lab ID: 60262572009)
  - TPH-DRO
  - TPH-ORO
- SB-3 (Lab ID: 60262572010)
  - TPH-DRO
  - TPH-ORO

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 5035A/8260**
Description: 8260 MSV GRO and Oxygenates
Client: TETRA TECH EMI
Date: February 09, 2018

General Information:
7 samples were analyzed for EPA 5035A/8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 511774

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 5030B/8260**
Description: 8260 MSV
Client: TETRA TECH EMI
Date: February 09, 2018

General Information:
3 samples were analyzed for EPA 5030B/8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 511785

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 8260**
Description: 8260 MSV GRO and Oxygenates
Client: TETRA TECH EMI
Date: February 09, 2018

General Information:
3 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 511832

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 8260**
Description: 8260 MSV 5035A VOA
Client: TETRA TECH EMI
Date: February 09, 2018

General Information:
8 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 511857

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 2095755)
  - trans-1,2-Dichloroethene

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 511857

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **SM 4500-H+B**
Description: 4500H+ pH, Electrometric
Client: TETRA TECH EMI
Date: February 09, 2018

General Information:
3 samples were analyzed for SM 4500-H+B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

H6: Analysis initiated outside of the 15 minute EPA required holding time.
- SB-1 (Lab ID: 60262572008)
- SB-2 (Lab ID: 60262572009)
- SB-3 (Lab ID: 60262572010)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 9045**
Description: 9045 pH Soil
Client: TETRA TECH EMI
Date: February 09, 2018

General Information:
7 samples were analyzed for EPA 9045. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.
- SB-1 (0-1) (Lab ID: 60262572001)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 353.2**
Description: 353.2 Nitrogen, NO2/NO3 pres.
Client: TETRA TECH EMI
Date: February 09, 2018

General Information:
3 samples were analyzed for EPA 353.2. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 511900

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262516065,60262522002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2095974)
  - Nitrogen, NO2 plus NO3

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Method: **EPA 9056**
Description: 9056 IC Anions
Client: TETRA TECH EMI
Date: February 09, 2018

General Information:
10 samples were analyzed for EPA 9056. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 9056 with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 512959

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262653001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2100110)
  - Sulfate
- MSD (Lab ID: 2100111)
  - Sulfate

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-1 (0-1) **Lab ID: 60262572001** Collected: 01/22/18 13:50 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.68**	ug/kg	1.9	0.68	1	01/25/18 16:25	01/29/18 18:43	309-00-2	
alpha-BHC	**<0.30**	ug/kg	1.9	0.30	1	01/25/18 16:25	01/29/18 18:43	319-84-6	
beta-BHC	**<1.0**	ug/kg	3.2	1.0	1	01/25/18 16:25	01/29/18 18:43	319-85-7	M1
delta-BHC	**<0.92**	ug/kg	2.7	0.92	1	01/25/18 16:25	01/29/18 18:43	319-86-8	
gamma-BHC (Lindane)	**<0.86**	ug/kg	2.7	0.86	1	01/25/18 16:25	01/29/18 18:43	58-89-9	
Chlordane (Technical)	**<53.9**	ug/kg	288	53.9	1	01/25/18 16:25	01/29/18 18:43	57-74-9	
alpha-Chlordane	**<0.76**	ug/kg	3.2	0.76	1	01/25/18 16:25	01/29/18 18:43	5103-71-9	
gamma-Chlordane	**<1.3**	ug/kg	3.2	1.3	1	01/25/18 16:25	01/29/18 18:43	5103-74-2	
4,4'-DDD	**<0.63**	ug/kg	1.9	0.63	1	01/25/18 16:25	01/29/18 18:43	72-54-8	
4,4'-DDE	**<0.60**	ug/kg	1.9	0.60	1	01/25/18 16:25	01/29/18 18:43	72-55-9	
4,4'-DDT	**<1.2**	ug/kg	2.7	1.2	1	01/25/18 16:25	01/29/18 18:43	50-29-3	
Dieldrin	**<0.83**	ug/kg	2.7	0.83	1	01/25/18 16:25	01/29/18 18:43	60-57-1	
Endosulfan I	**<0.89**	ug/kg	2.7	0.89	1	01/25/18 16:25	01/29/18 18:43	959-98-8	
Endosulfan II	**<0.62**	ug/kg	1.9	0.62	1	01/25/18 16:25	01/29/18 18:43	33213-65-9	
Endosulfan sulfate	**<0.88**	ug/kg	2.7	0.88	1	01/25/18 16:25	01/29/18 18:43	1031-07-8	
Endrin	**<0.89**	ug/kg	3.2	0.89	1	01/25/18 16:25	01/29/18 18:43	72-20-8	
Endrin aldehyde	**<0.89**	ug/kg	2.7	0.89	1	01/25/18 16:25	01/29/18 18:43	7421-93-4	
Endrin ketone	**<1.1**	ug/kg	3.8	1.1	1	01/25/18 16:25	01/29/18 18:43	53494-70-5	
Heptachlor	**<1.5**	ug/kg	3.8	1.5	1	01/25/18 16:25	01/29/18 18:43	76-44-8	
Heptachlor epoxide	**<3.8**	ug/kg	9.6	3.8	1	01/25/18 16:25	01/29/18 18:43	1024-57-3	
Methoxychlor	**<1.1**	ug/kg	3.8	1.1	1	01/25/18 16:25	01/29/18 18:43	72-43-5	
Toxaphene	**<99.5**	ug/kg	288	99.5	1	01/25/18 16:25	01/29/18 18:43	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	77	%.	70-130		1	01/25/18 16:25	01/29/18 18:43	877-09-8	
Decachlorobiphenyl (S)	85	%.	70-130		1	01/25/18 16:25	01/29/18 18:43	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<6.4**	ug/kg	12.8	6.4	1	01/25/18 16:25	01/31/18 22:19	22248-79-9	
Azinphos, methyl (Guthion)	**<6.4**	ug/kg	12.8	6.4	1	01/25/18 16:25	01/31/18 22:19	86-50-0	
Bolstar	**<6.4**	ug/kg	12.8	6.4	1	01/25/18 16:25	01/31/18 22:19	35400-43-2	
Chlorpyrifos	**<6.4**	ug/kg	12.8	6.4	1	01/25/18 16:25	01/31/18 22:19	2921-88-2	
Coumaphos	**<6.4**	ug/kg	12.8	6.4	1	01/25/18 16:25	01/31/18 22:19	56-72-4	
Diazinon	**427**	ug/kg	12.8	6.4	1	01/25/18 16:25	01/31/18 22:19	333-41-5	
Dichlorvos	**<3.2**	ug/kg	6.4	3.2	1	01/25/18 16:25	01/31/18 22:19	62-73-7	
Dimethoate	**<6.4**	ug/kg	12.8	6.4	1	01/25/18 16:25	01/31/18 22:19	60-51-5	
Disulfoton	**<3.2**	ug/kg	6.4	3.2	1	01/25/18 16:25	01/31/18 22:19	298-04-4	
EPN (ENT)	**<4.1**	ug/kg	6.4	4.1	1	01/25/18 16:25	01/31/18 22:19	2104-64-5	
Ethoprop	**<3.2**	ug/kg	6.4	3.2	1	01/25/18 16:25	01/31/18 22:19	13194-48-4	
Fensulfothion	**<6.4**	ug/kg	12.8	6.4	1	01/25/18 16:25	01/31/18 22:19	115-90-2	
Fenthion	**<3.2**	ug/kg	6.4	3.2	1	01/25/18 16:25	01/31/18 22:19	55-38-9	
Malathion	**<6.4**	ug/kg	12.8	6.4	1	01/25/18 16:25	01/31/18 22:19	121-75-5	
Methyl parathion	**<3.2**	ug/kg	6.4	3.2	1	01/25/18 16:25	01/31/18 22:19	298-00-0	
Mevinphos	**<3.8**	ug/kg	6.4	3.8	1	01/25/18 16:25	01/31/18 22:19	7786-34-7	
Parathion (Ethyl parathion)	**<6.4**	ug/kg	12.8	6.4	1	01/25/18 16:25	01/31/18 22:19	56-38-2	
Phorate	**<3.2**	ug/kg	6.4	3.2	1	01/25/18 16:25	01/31/18 22:19	298-02-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-1 (0-1) **Lab ID: 60262572001** Collected: 01/22/18 13:50 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<3.2**	ug/kg	6.4	3.2	1	01/25/18 16:25	01/31/18 22:19	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<3.2**	ug/kg	6.4	3.2	1	01/25/18 16:25	01/31/18 22:19	3689-24-5	
Tokuthion (Prothiofos)	**<3.2**	ug/kg	6.4	3.2	1	01/25/18 16:25	01/31/18 22:19	34643-46-4	
Trichloronate	**<6.4**	ug/kg	12.8	6.4	1	01/25/18 16:25	01/31/18 22:19	327-98-0	
Total Demeton	**<5.2**	ug/kg	6.4	5.2	1	01/25/18 16:25	01/31/18 22:19	8065-48-3	N2
Total Merphos	**<6.4**	ug/kg	25.6	6.4	1	01/25/18 16:25	01/31/18 22:19	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	80	%.	11-137		1	01/25/18 16:25	01/31/18 22:19	115-86-6	
Tributylphosphate (S)	105	%.	17-125		1	01/25/18 16:25	01/31/18 22:19	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<3.2**	ug/kg	3.2	3.2	1	01/29/18 16:21	01/30/18 12:53	94-75-7	R1
Dalapon	**<3.2**	ug/kg	3.2	3.2	1	01/29/18 16:21	01/30/18 12:53	75-99-0	M1,R1
2,4-DB	**<3.2**	ug/kg	3.2	3.2	1	01/29/18 16:21	01/30/18 12:53	94-82-6	
Dicamba	**<3.2**	ug/kg	3.2	3.2	1	01/29/18 16:21	01/30/18 12:53	1918-00-9	R1
Dichloroprop	**<3.2**	ug/kg	3.2	3.2	1	01/29/18 16:21	01/30/18 12:53	15165-67-0	
Dinoseb	**<3.2**	ug/kg	3.2	3.2	1	01/29/18 16:21	01/30/18 12:53	88-85-7	R1
MCPA	**<320**	ug/kg	320	320	1	01/29/18 16:21	01/30/18 12:53	94-74-6	
MCPP	**<320**	ug/kg	320	320	1	01/29/18 16:21	01/30/18 12:53	7085-19-0	R1
2,4,5-T	**<3.2**	ug/kg	3.2	3.2	1	01/29/18 16:21	01/30/18 12:53	93-76-5	R1
2,4,5-TP (Silvex)	**<3.2**	ug/kg	3.2	3.2	1	01/29/18 16:21	01/30/18 12:53	93-72-1	
Surrogates									
2,4-DCAA (S)	12	%.	10-188		1	01/29/18 16:21	01/30/18 12:53	19719-28-9	
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**7.3**	mg/kg	1.2	0.50	1	01/24/18 09:50	01/25/18 11:59	7440-38-2	
Barium	**280**	mg/kg	0.61	0.038	1	01/24/18 09:50	01/25/18 11:59	7440-39-3	M1
Cadmium	**0.84**	mg/kg	0.61	0.045	1	01/24/18 09:50	01/25/18 11:59	7440-43-9	
Chromium	**15.4**	mg/kg	0.61	0.12	1	01/24/18 09:50	01/25/18 11:59	7440-47-3	
Lead	**89.1**	mg/kg	0.61	0.25	1	01/24/18 09:50	01/25/18 11:59	7439-92-1	
Selenium	**<0.91**	mg/kg	1.8	0.91	1	01/24/18 09:50	01/25/18 11:59	7782-49-2	
Silver	**<0.20**	mg/kg	0.85	0.20	1	01/24/18 09:50	01/25/18 11:59	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.31**	mg/kg	0.051	0.0067	1	01/25/18 09:26	01/25/18 11:32	7439-97-6	M1
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**470**	ug/kg	420	44.5	1	01/24/18 15:00	01/25/18 22:46	83-32-9	
Acenaphthylene	**67.1J**	ug/kg	420	39.4	1	01/24/18 15:00	01/25/18 22:46	208-96-8	
Anthracene	**380J**	ug/kg	420	44.5	1	01/24/18 15:00	01/25/18 22:46	120-12-7	
Benzo(a)anthracene	**244J**	ug/kg	420	38.1	1	01/24/18 15:00	01/25/18 22:46	56-55-3	
Benzo(a)pyrene	**142J**	ug/kg	420	33.1	1	01/24/18 15:00	01/25/18 22:46	50-32-8	
Benzo(b)fluoranthene	**326J**	ug/kg	420	29.2	1	01/24/18 15:00	01/25/18 22:46	205-99-2	
Benzo(g,h,i)perylene	**75.7J**	ug/kg	420	40.7	1	01/24/18 15:00	01/25/18 22:46	191-24-2	
Benzo(k)fluoranthene	**<49.6**	ug/kg	420	49.6	1	01/24/18 15:00	01/25/18 22:46	207-08-9	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-1 (0-1) **Lab ID: 60262572001** Collected: 01/22/18 13:50 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<39.4**	ug/kg	2120	39.4	1	01/24/18 15:00	01/25/18 22:46	65-85-0	
Benzyl alcohol	**<131**	ug/kg	839	131	1	01/24/18 15:00	01/25/18 22:46	100-51-6	
4-Bromophenylphenyl ether	**<33.1**	ug/kg	420	33.1	1	01/24/18 15:00	01/25/18 22:46	101-55-3	
Butylbenzylphthalate	**<54.7**	ug/kg	420	54.7	1	01/24/18 15:00	01/25/18 22:46	85-68-7	
Carbazole	**206J**	ug/kg	420	34.3	1	01/24/18 15:00	01/25/18 22:46	86-74-8	
4-Chloro-3-methylphenol	**<45.8**	ug/kg	839	45.8	1	01/24/18 15:00	01/25/18 22:46	59-50-7	
4-Chloroaniline	**<82.6**	ug/kg	839	82.6	1	01/24/18 15:00	01/25/18 22:46	106-47-8	
bis(2-Chloroethoxy)methane	**<33.1**	ug/kg	420	33.1	1	01/24/18 15:00	01/25/18 22:46	111-91-1	
bis(2-Chloroethyl) ether	**<33.1**	ug/kg	420	33.1	1	01/24/18 15:00	01/25/18 22:46	111-44-4	M1
bis(2-Chloroisopropyl) ether	**<33.1**	ug/kg	420	33.1	1	01/24/18 15:00	01/25/18 22:46	39638-32-9	
2-Chloronaphthalene	**<35.6**	ug/kg	420	35.6	1	01/24/18 15:00	01/25/18 22:46	91-58-7	
2-Chlorophenol	**<34.3**	ug/kg	420	34.3	1	01/24/18 15:00	01/25/18 22:46	95-57-8	
4-Chlorophenylphenyl ether	**<40.7**	ug/kg	420	40.7	1	01/24/18 15:00	01/25/18 22:46	7005-72-3	
Chrysene	**255J**	ug/kg	420	35.6	1	01/24/18 15:00	01/25/18 22:46	218-01-9	
Dibenz(a,h)anthracene	**<38.1**	ug/kg	420	38.1	1	01/24/18 15:00	01/25/18 22:46	53-70-3	
Dibenzofuran	**271J**	ug/kg	420	38.1	1	01/24/18 15:00	01/25/18 22:46	132-64-9	
1,2-Dichlorobenzene	**<31.8**	ug/kg	420	31.8	1	01/24/18 15:00	01/25/18 22:46	95-50-1	
1,3-Dichlorobenzene	**<35.6**	ug/kg	420	35.6	1	01/24/18 15:00	01/25/18 22:46	541-73-1	
1,4-Dichlorobenzene	**<36.9**	ug/kg	420	36.9	1	01/24/18 15:00	01/25/18 22:46	106-46-7	
3,3'-Dichlorobenzidine	**<144**	ug/kg	839	144	1	01/24/18 15:00	01/25/18 22:46	91-94-1	
2,4-Dichlorophenol	**<38.1**	ug/kg	420	38.1	1	01/24/18 15:00	01/25/18 22:46	120-83-2	
Diethylphthalate	**<39.4**	ug/kg	420	39.4	1	01/24/18 15:00	01/25/18 22:46	84-66-2	
2,4-Dimethylphenol	**<22.9**	ug/kg	420	22.9	1	01/24/18 15:00	01/25/18 22:46	105-67-9	
Dimethylphthalate	**<40.7**	ug/kg	420	40.7	1	01/24/18 15:00	01/25/18 22:46	131-11-3	
Di-n-butylphthalate	**<44.5**	ug/kg	420	44.5	1	01/24/18 15:00	01/25/18 22:46	84-74-2	
4,6-Dinitro-2-methylphenol	**<55.9**	ug/kg	2120	55.9	1	01/24/18 15:00	01/25/18 22:46	534-52-1	
2,4-Dinitrophenol	**<61.0**	ug/kg	2120	61.0	1	01/24/18 15:00	01/25/18 22:46	51-28-5	
2,4-Dinitrotoluene	**<35.6**	ug/kg	420	35.6	1	01/24/18 15:00	01/25/18 22:46	121-14-2	
2,6-Dinitrotoluene	**<43.2**	ug/kg	420	43.2	1	01/24/18 15:00	01/25/18 22:46	606-20-2	
Di-n-octylphthalate	**<49.6**	ug/kg	420	49.6	1	01/24/18 15:00	01/25/18 22:46	117-84-0	
bis(2-Ethylhexyl)phthalate	**<145**	ug/kg	420	145	1	01/24/18 15:00	01/25/18 22:46	117-81-7	
Fluoranthene	**1120**	ug/kg	420	39.4	1	01/24/18 15:00	01/25/18 22:46	206-44-0	
Fluorene	**442**	ug/kg	420	39.4	1	01/24/18 15:00	01/25/18 22:46	86-73-7	
Hexachloro-1,3-butadiene	**<42.0**	ug/kg	420	42.0	1	01/24/18 15:00	01/25/18 22:46	87-68-3	
Hexachlorobenzene	**<40.7**	ug/kg	420	40.7	1	01/24/18 15:00	01/25/18 22:46	118-74-1	
Hexachlorocyclopentadiene	**<89.0**	ug/kg	420	89.0	1	01/24/18 15:00	01/25/18 22:46	77-47-4	
Hexachloroethane	**<31.8**	ug/kg	420	31.8	1	01/24/18 15:00	01/25/18 22:46	67-72-1	
Indeno(1,2,3-cd)pyrene	**79.0J**	ug/kg	420	45.8	1	01/24/18 15:00	01/25/18 22:46	193-39-5	
Isophorone	**<38.1**	ug/kg	420	38.1	1	01/24/18 15:00	01/25/18 22:46	78-59-1	
2-Methylnaphthalene	**460**	ug/kg	420	30.5	1	01/24/18 15:00	01/25/18 22:46	91-57-6	
2-Methylphenol(o-Cresol)	**<39.4**	ug/kg	420	39.4	1	01/24/18 15:00	01/25/18 22:46	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<45.8**	ug/kg	420	45.8	1	01/24/18 15:00	01/25/18 22:46		
Naphthalene	**520**	ug/kg	420	33.1	1	01/24/18 15:00	01/25/18 22:46	91-20-3	
2-Nitroaniline	**<71.2**	ug/kg	839	71.2	1	01/24/18 15:00	01/25/18 22:46	88-74-4	
3-Nitroaniline	**<127**	ug/kg	839	127	1	01/24/18 15:00	01/25/18 22:46	99-09-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-1 (0-1) **Lab ID: 60262572001** Collected: 01/22/18 13:50 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<108**	ug/kg	839	108	1	01/24/18 15:00	01/25/18 22:46	100-01-6	
Nitrobenzene	**<39.4**	ug/kg	420	39.4	1	01/24/18 15:00	01/25/18 22:46	98-95-3	
2-Nitrophenol	**<58.5**	ug/kg	420	58.5	1	01/24/18 15:00	01/25/18 22:46	88-75-5	
4-Nitrophenol	**<66.1**	ug/kg	2120	66.1	1	01/24/18 15:00	01/25/18 22:46	100-02-7	
N-Nitroso-di-n-propylamine	**<42.0**	ug/kg	420	42.0	1	01/24/18 15:00	01/25/18 22:46	621-64-7	
N-Nitrosodiphenylamine	**<33.1**	ug/kg	420	33.1	1	01/24/18 15:00	01/25/18 22:46	86-30-6	
Pentachlorophenol	**<39.4**	ug/kg	2120	39.4	1	01/24/18 15:00	01/25/18 22:46	87-86-5	
Phenanthrene	**1690**	ug/kg	420	39.4	1	01/24/18 15:00	01/25/18 22:46	85-01-8	M1
Phenol	**<33.1**	ug/kg	420	33.1	1	01/24/18 15:00	01/25/18 22:46	108-95-2	
Pyrene	**834**	ug/kg	420	42.0	1	01/24/18 15:00	01/25/18 22:46	129-00-0	
Pyridine	**<34.3**	ug/kg	420	34.3	1	01/24/18 15:00	01/25/18 22:46	110-86-1	
1,2,4-Trichlorobenzene	**<38.1**	ug/kg	420	38.1	1	01/24/18 15:00	01/25/18 22:46	120-82-1	
2,4,5-Trichlorophenol	**<38.1**	ug/kg	420	38.1	1	01/24/18 15:00	01/25/18 22:46	95-95-4	
2,4,6-Trichlorophenol	**<39.4**	ug/kg	420	39.4	1	01/24/18 15:00	01/25/18 22:46	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	74	%	41-114		1	01/24/18 15:00	01/25/18 22:46	4165-60-0	
2-Fluorobiphenyl (S)	78	%	61-109		1	01/24/18 15:00	01/25/18 22:46	321-60-8	
Terphenyl-d14 (S)	86	%	48-120		1	01/24/18 15:00	01/25/18 22:46	1718-51-0	
Phenol-d6 (S)	78	%	48-102		1	01/24/18 15:00	01/25/18 22:46	13127-88-3	
2-Fluorophenol (S)	72	%	46-102		1	01/24/18 15:00	01/25/18 22:46	367-12-4	
2,4,6-Tribromophenol (S)	78	%	39-114		1	01/24/18 15:00	01/25/18 22:46	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**159**	mg/kg	18.9	1.5	1	01/24/18 15:00	01/30/18 06:52		
TPH-DRO	**65.6**	mg/kg	18.9	1.5	1	01/24/18 15:00	01/30/18 06:52		
Surrogates									
Nitrobenzene-d5 (S)	71	%	41-114		1	01/24/18 15:00	01/30/18 06:52	4165-60-0	
2-Fluorobiphenyl (S)	76	%	61-109		1	01/24/18 15:00	01/30/18 06:52	321-60-8	
Terphenyl-d14 (S)	80	%	48-120		1	01/24/18 15:00	01/30/18 06:52	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.27**	mg/kg	0.54	0.27	1		01/31/18 12:42		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**<10.9**	ug/kg	21.7	10.9	1		01/31/18 12:42	67-64-1	
Benzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	71-43-2	
Bromobenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	108-86-1	
Bromochloromethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	74-97-5	
Bromodichloromethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	75-27-4	
Bromoform	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	75-25-2	
Bromomethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	74-83-9	
2-Butanone (MEK)	**<5.4**	ug/kg	10.9	5.4	1		01/31/18 12:42	78-93-3	
n-Butylbenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	104-51-8	
sec-Butylbenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	135-98-8	
tert-Butylbenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	98-06-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-1 (0-1) **Lab ID: 60262572001** Collected: 01/22/18 13:50 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	75-15-0	
Carbon tetrachloride	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	56-23-5	
Chlorobenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	108-90-7	
Chloroethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	75-00-3	
Chloroform	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	67-66-3	
Chloromethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	74-87-3	
2-Chlorotoluene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	95-49-8	
4-Chlorotoluene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.4**	ug/kg	10.9	5.4	1		01/31/18 12:42	96-12-8	
Dibromochloromethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	124-48-1	
1,2-Dibromoethane (EDB)	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	106-93-4	
Dibromomethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	74-95-3	
1,2-Dichlorobenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	95-50-1	
1,3-Dichlorobenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	541-73-1	
1,4-Dichlorobenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	106-46-7	
Dichlorodifluoromethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	75-71-8	
1,1-Dichloroethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	75-34-3	
1,2-Dichloroethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	107-06-2	
1,2-Dichloroethene (Total)	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	540-59-0	
1,1-Dichloroethene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	75-35-4	
cis-1,2-Dichloroethene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	156-59-2	
trans-1,2-Dichloroethene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	156-60-5	L2
1,2-Dichloropropane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	78-87-5	
1,3-Dichloropropane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	142-28-9	
2,2-Dichloropropane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	594-20-7	
1,1-Dichloropropene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	563-58-6	
cis-1,3-Dichloropropene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	10061-01-5	
trans-1,3-Dichloropropene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	10061-02-6	
Ethylbenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	87-68-3	
2-Hexanone	**<10.9**	ug/kg	21.7	10.9	1		01/31/18 12:42	591-78-6	
Isopropylbenzene (Cumene)	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	98-82-8	
p-Isopropyltoluene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	99-87-6	
Methylene chloride	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.4**	ug/kg	10.9	5.4	1		01/31/18 12:42	108-10-1	
Methyl-tert-butyl ether	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	1634-04-4	
Naphthalene	**<5.4**	ug/kg	10.9	5.4	1		01/31/18 12:42	91-20-3	
n-Propylbenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	103-65-1	
Styrene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	79-34-5	
Tetrachloroethene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	127-18-4	
Toluene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	108-88-3	
1,2,3-Trichlorobenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	87-61-6	
1,2,4-Trichlorobenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	120-82-1	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-1 (0-1) **Lab ID: 60262572001** Collected: 01/22/18 13:50 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	71-55-6	
1,1,2-Trichloroethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	79-00-5	
Trichloroethene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	79-01-6	
Trichlorofluoromethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	75-69-4	
1,2,3-Trichloropropane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	96-18-4	
1,2,4-Trimethylbenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	95-63-6	
1,3,5-Trimethylbenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	108-67-8	
Vinyl chloride	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	75-01-4	
Xylene (Total)	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 12:42	1330-20-7	
Surrogates									
Toluene-d8 (S)	97	%	78-122		1		01/31/18 12:42	2037-26-5	
4-Bromofluorobenzene (S)	103	%	69-133		1		01/31/18 12:42	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	80-123		1		01/31/18 12:42	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**22.3**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**6.8**	Std. Units	0.10	0.10	1		01/29/18 15:45		H1
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**403**	mg/kg	131	65.4	10	02/04/18 07:00	02/05/18 17:02	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**7.3J**	mg/kg	12.6	6.3	10	02/05/18 16:00	02/06/18 00:00	14797-55-8	
Nitrite as N	**<6.3**	mg/kg	12.6	6.3	10	02/05/18 16:00	02/06/18 00:00	14797-65-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-1 (3-5) **Lab ID: 60262572002** Collected: 01/22/18 14:00 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.44**	ug/kg	1.2	0.44	1	01/25/18 16:25	01/29/18 18:57	309-00-2	
alpha-BHC	**<0.20**	ug/kg	1.2	0.20	1	01/25/18 16:25	01/29/18 18:57	319-84-6	
beta-BHC	**<0.66**	ug/kg	2.1	0.66	1	01/25/18 16:25	01/29/18 18:57	319-85-7	
delta-BHC	**<0.59**	ug/kg	1.7	0.59	1	01/25/18 16:25	01/29/18 18:57	319-86-8	
gamma-BHC (Lindane)	**<0.56**	ug/kg	1.7	0.56	1	01/25/18 16:25	01/29/18 18:57	58-89-9	
Chlordane (Technical)	**<34.9**	ug/kg	186	34.9	1	01/25/18 16:25	01/29/18 18:57	57-74-9	
alpha-Chlordane	**<0.49**	ug/kg	2.1	0.49	1	01/25/18 16:25	01/29/18 18:57	5103-71-9	
gamma-Chlordane	**<0.83**	ug/kg	2.1	0.83	1	01/25/18 16:25	01/29/18 18:57	5103-74-2	
4,4'-DDD	**<0.41**	ug/kg	1.2	0.41	1	01/25/18 16:25	01/29/18 18:57	72-54-8	
4,4'-DDE	**<0.39**	ug/kg	1.2	0.39	1	01/25/18 16:25	01/29/18 18:57	72-55-9	
4,4'-DDT	**<0.80**	ug/kg	1.7	0.80	1	01/25/18 16:25	01/29/18 18:57	50-29-3	
Dieldrin	**<0.54**	ug/kg	1.7	0.54	1	01/25/18 16:25	01/29/18 18:57	60-57-1	
Endosulfan I	**<0.58**	ug/kg	1.7	0.58	1	01/25/18 16:25	01/29/18 18:57	959-98-8	
Endosulfan II	**<0.40**	ug/kg	1.2	0.40	1	01/25/18 16:25	01/29/18 18:57	33213-65-9	
Endosulfan sulfate	**<0.57**	ug/kg	1.7	0.57	1	01/25/18 16:25	01/29/18 18:57	1031-07-8	
Endrin	**<0.58**	ug/kg	2.1	0.58	1	01/25/18 16:25	01/29/18 18:57	72-20-8	
Endrin aldehyde	**<0.58**	ug/kg	1.7	0.58	1	01/25/18 16:25	01/29/18 18:57	7421-93-4	
Endrin ketone	**<0.68**	ug/kg	2.5	0.68	1	01/25/18 16:25	01/29/18 18:57	53494-70-5	
Heptachlor	**<0.95**	ug/kg	2.5	0.95	1	01/25/18 16:25	01/29/18 18:57	76-44-8	
Heptachlor epoxide	**<2.5**	ug/kg	6.2	2.5	1	01/25/18 16:25	01/29/18 18:57	1024-57-3	
Methoxychlor	**<0.71**	ug/kg	2.5	0.71	1	01/25/18 16:25	01/29/18 18:57	72-43-5	
Toxaphene	**<64.4**	ug/kg	186	64.4	1	01/25/18 16:25	01/29/18 18:57	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	80	%.	70-130		1	01/25/18 16:25	01/29/18 18:57	877-09-8	
Decachlorobiphenyl (S)	85	%.	70-130		1	01/25/18 16:25	01/29/18 18:57	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<4.1**	ug/kg	8.3	4.1	1	01/25/18 16:25	01/31/18 21:25	22248-79-9	R1
Azinphos, methyl (Guthion)	**<4.1**	ug/kg	8.3	4.1	1	01/25/18 16:25	01/31/18 21:25	86-50-0	
Bolstar	**<4.1**	ug/kg	8.3	4.1	1	01/25/18 16:25	01/31/18 21:25	35400-43-2	
Chlorpyrifos	**<4.1**	ug/kg	8.3	4.1	1	01/25/18 16:25	01/31/18 21:25	2921-88-2	R1
Coumaphos	**<4.1**	ug/kg	8.3	4.1	1	01/25/18 16:25	01/31/18 21:25	56-72-4	
Diazinon	**192**	ug/kg	8.3	4.1	1	01/25/18 16:25	01/31/18 21:25	333-41-5	M1,R1
Dichlorvos	**<2.1**	ug/kg	4.1	2.1	1	01/25/18 16:25	01/31/18 21:25	62-73-7	R1
Dimethoate	**<4.1**	ug/kg	8.3	4.1	1	01/25/18 16:25	01/31/18 21:25	60-51-5	
Disulfoton	**<2.1**	ug/kg	4.1	2.1	1	01/25/18 16:25	01/31/18 21:25	298-04-4	R1
EPN (ENT)	**<2.6**	ug/kg	4.1	2.6	1	01/25/18 16:25	01/31/18 21:25	2104-64-5	R1
Ethoprop	**<2.1**	ug/kg	4.1	2.1	1	01/25/18 16:25	01/31/18 21:25	13194-48-4	R1
Fensulfothion	**<4.1**	ug/kg	8.3	4.1	1	01/25/18 16:25	01/31/18 21:25	115-90-2	
Fenthion	**<2.1**	ug/kg	4.1	2.1	1	01/25/18 16:25	01/31/18 21:25	55-38-9	R1
Malathion	**<4.1**	ug/kg	8.3	4.1	1	01/25/18 16:25	01/31/18 21:25	121-75-5	R1
Methyl parathion	**<2.1**	ug/kg	4.1	2.1	1	01/25/18 16:25	01/31/18 21:25	298-00-0	R1
Mevinphos	**<2.4**	ug/kg	4.1	2.4	1	01/25/18 16:25	01/31/18 21:25	7786-34-7	R1
Parathion (Ethyl parathion)	**<4.1**	ug/kg	8.3	4.1	1	01/25/18 16:25	01/31/18 21:25	56-38-2	R1
Phorate	**<2.1**	ug/kg	4.1	2.1	1	01/25/18 16:25	01/31/18 21:25	298-02-2	R1

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-1 (3-5) **Lab ID: 60262572002** Collected: 01/22/18 14:00 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<2.1**	ug/kg	4.1	2.1	1	01/25/18 16:25	01/31/18 21:25	299-84-3	R1
Sulfotep (Thiodiphosphoric Ac	**<2.1**	ug/kg	4.1	2.1	1	01/25/18 16:25	01/31/18 21:25	3689-24-5	R1
Tokuthion (Prothiofos)	**<2.1**	ug/kg	4.1	2.1	1	01/25/18 16:25	01/31/18 21:25	34643-46-4	R1
Trichloronate	**<4.1**	ug/kg	8.3	4.1	1	01/25/18 16:25	01/31/18 21:25	327-98-0	R1
Total Demeton	**<3.4**	ug/kg	4.1	3.4	1	01/25/18 16:25	01/31/18 21:25	8065-48-3	N2,R1
Total Merphos	**<4.1**	ug/kg	16.6	4.1	1	01/25/18 16:25	01/31/18 21:25	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	83	%.	11-137		1	01/25/18 16:25	01/31/18 21:25	115-86-6	
Tributylphosphate (S)	104	%.	17-125		1	01/25/18 16:25	01/31/18 21:25	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<2.9**	ug/kg	2.9	2.9	1	01/29/18 16:21	01/30/18 13:18	94-75-7	
Dalapon	**<2.9**	ug/kg	2.9	2.9	1	01/29/18 16:21	01/30/18 13:18	75-99-0	
2,4-DB	**<2.9**	ug/kg	2.9	2.9	1	01/29/18 16:21	01/30/18 13:18	94-82-6	
Dicamba	**<2.9**	ug/kg	2.9	2.9	1	01/29/18 16:21	01/30/18 13:18	1918-00-9	
Dichloroprop	**<2.9**	ug/kg	2.9	2.9	1	01/29/18 16:21	01/30/18 13:18	15165-67-0	
Dinoseb	**<2.9**	ug/kg	2.9	2.9	1	01/29/18 16:21	01/30/18 13:18	88-85-7	
MCPA	**<294**	ug/kg	294	294	1	01/29/18 16:21	01/30/18 13:18	94-74-6	
MCPP	**<294**	ug/kg	294	294	1	01/29/18 16:21	01/30/18 13:18	7085-19-0	
2,4,5-T	**<2.9**	ug/kg	2.9	2.9	1	01/29/18 16:21	01/30/18 13:18	93-76-5	
2,4,5-TP (Silvex)	**<2.9**	ug/kg	2.9	2.9	1	01/29/18 16:21	01/30/18 13:18	93-72-1	
Surrogates									
2,4-DCAA (S)	7	%.	10-188		1	01/29/18 16:21	01/30/18 13:18	19719-28-9	S1
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**9.9**	mg/kg	1.1	0.47	1	01/24/18 09:50	01/25/18 12:05	7440-38-2	
Barium	**240**	mg/kg	0.57	0.035	1	01/24/18 09:50	01/25/18 12:05	7440-39-3	
Cadmium	**0.58**	mg/kg	0.57	0.042	1	01/24/18 09:50	01/25/18 12:05	7440-43-9	
Chromium	**14.5**	mg/kg	0.57	0.11	1	01/24/18 09:50	01/25/18 12:05	7440-47-3	
Lead	**54.5**	mg/kg	0.57	0.24	1	01/24/18 09:50	01/25/18 12:05	7439-92-1	
Selenium	**<0.85**	mg/kg	1.7	0.85	1	01/24/18 09:50	01/25/18 12:05	7782-49-2	
Silver	**<0.19**	mg/kg	0.80	0.19	1	01/24/18 09:50	01/25/18 12:05	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.93**	mg/kg	0.051	0.0067	1	01/25/18 09:26	01/25/18 11:38	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<42.7**	ug/kg	403	42.7	1	01/24/18 15:00	01/26/18 14:35	83-32-9	
Acenaphthylene	**<37.9**	ug/kg	403	37.9	1	01/24/18 15:00	01/26/18 14:35	208-96-8	
Anthracene	**<42.7**	ug/kg	403	42.7	1	01/24/18 15:00	01/26/18 14:35	120-12-7	
Benzo(a)anthracene	**<36.6**	ug/kg	403	36.6	1	01/24/18 15:00	01/26/18 14:35	56-55-3	
Benzo(a)pyrene	**<31.8**	ug/kg	403	31.8	1	01/24/18 15:00	01/26/18 14:35	50-32-8	
Benzo(b)fluoranthene	**<28.1**	ug/kg	403	28.1	1	01/24/18 15:00	01/26/18 14:35	205-99-2	
Benzo(g,h,i)perylene	**<39.1**	ug/kg	403	39.1	1	01/24/18 15:00	01/26/18 14:35	191-24-2	
Benzo(k)fluoranthene	**<47.6**	ug/kg	403	47.6	1	01/24/18 15:00	01/26/18 14:35	207-08-9	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-1 (3-5) **Lab ID: 60262572002** Collected: 01/22/18 14:00 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<37.9**	ug/kg	2040	37.9	1	01/24/18 15:00	01/26/18 14:35	65-85-0	
Benzyl alcohol	**<126**	ug/kg	806	126	1	01/24/18 15:00	01/26/18 14:35	100-51-6	
4-Bromophenylphenyl ether	**<31.8**	ug/kg	403	31.8	1	01/24/18 15:00	01/26/18 14:35	101-55-3	
Butylbenzylphthalate	**<52.5**	ug/kg	403	52.5	1	01/24/18 15:00	01/26/18 14:35	85-68-7	
Carbazole	**<33.0**	ug/kg	403	33.0	1	01/24/18 15:00	01/26/18 14:35	86-74-8	
4-Chloro-3-methylphenol	**<44.0**	ug/kg	806	44.0	1	01/24/18 15:00	01/26/18 14:35	59-50-7	
4-Chloroaniline	**<79.4**	ug/kg	806	79.4	1	01/24/18 15:00	01/26/18 14:35	106-47-8	
bis(2-Chloroethoxy)methane	**<31.8**	ug/kg	403	31.8	1	01/24/18 15:00	01/26/18 14:35	111-91-1	
bis(2-Chloroethyl) ether	**<31.8**	ug/kg	403	31.8	1	01/24/18 15:00	01/26/18 14:35	111-44-4	
bis(2-Chloroisopropyl) ether	**<31.8**	ug/kg	403	31.8	1	01/24/18 15:00	01/26/18 14:35	39638-32-9	
2-Chloronaphthalene	**<34.2**	ug/kg	403	34.2	1	01/24/18 15:00	01/26/18 14:35	91-58-7	
2-Chlorophenol	**<33.0**	ug/kg	403	33.0	1	01/24/18 15:00	01/26/18 14:35	95-57-8	
4-Chlorophenylphenyl ether	**<39.1**	ug/kg	403	39.1	1	01/24/18 15:00	01/26/18 14:35	7005-72-3	
Chrysene	**<34.2**	ug/kg	403	34.2	1	01/24/18 15:00	01/26/18 14:35	218-01-9	
Dibenz(a,h)anthracene	**<36.6**	ug/kg	403	36.6	1	01/24/18 15:00	01/26/18 14:35	53-70-3	
Dibenzofuran	**<36.6**	ug/kg	403	36.6	1	01/24/18 15:00	01/26/18 14:35	132-64-9	
1,2-Dichlorobenzene	**<30.5**	ug/kg	403	30.5	1	01/24/18 15:00	01/26/18 14:35	95-50-1	
1,3-Dichlorobenzene	**<34.2**	ug/kg	403	34.2	1	01/24/18 15:00	01/26/18 14:35	541-73-1	
1,4-Dichlorobenzene	**<35.4**	ug/kg	403	35.4	1	01/24/18 15:00	01/26/18 14:35	106-46-7	
3,3'-Dichlorobenzidine	**<138**	ug/kg	806	138	1	01/24/18 15:00	01/26/18 14:35	91-94-1	
2,4-Dichlorophenol	**<36.6**	ug/kg	403	36.6	1	01/24/18 15:00	01/26/18 14:35	120-83-2	
Diethylphthalate	**<37.9**	ug/kg	403	37.9	1	01/24/18 15:00	01/26/18 14:35	84-66-2	
2,4-Dimethylphenol	**<22.0**	ug/kg	403	22.0	1	01/24/18 15:00	01/26/18 14:35	105-67-9	
Dimethylphthalate	**<39.1**	ug/kg	403	39.1	1	01/24/18 15:00	01/26/18 14:35	131-11-3	
Di-n-butylphthalate	**<42.7**	ug/kg	403	42.7	1	01/24/18 15:00	01/26/18 14:35	84-74-2	
4,6-Dinitro-2-methylphenol	**<53.7**	ug/kg	2040	53.7	1	01/24/18 15:00	01/26/18 14:35	534-52-1	
2,4-Dinitrophenol	**<58.6**	ug/kg	2040	58.6	1	01/24/18 15:00	01/26/18 14:35	51-28-5	
2,4-Dinitrotoluene	**<34.2**	ug/kg	403	34.2	1	01/24/18 15:00	01/26/18 14:35	121-14-2	
2,6-Dinitrotoluene	**<41.5**	ug/kg	403	41.5	1	01/24/18 15:00	01/26/18 14:35	606-20-2	
Di-n-octylphthalate	**<47.6**	ug/kg	403	47.6	1	01/24/18 15:00	01/26/18 14:35	117-84-0	
bis(2-Ethylhexyl)phthalate	**<139**	ug/kg	403	139	1	01/24/18 15:00	01/26/18 14:35	117-81-7	
Fluoranthene	**<37.9**	ug/kg	403	37.9	1	01/24/18 15:00	01/26/18 14:35	206-44-0	
Fluorene	**<37.9**	ug/kg	403	37.9	1	01/24/18 15:00	01/26/18 14:35	86-73-7	
Hexachloro-1,3-butadiene	**<40.3**	ug/kg	403	40.3	1	01/24/18 15:00	01/26/18 14:35	87-68-3	
Hexachlorobenzene	**<39.1**	ug/kg	403	39.1	1	01/24/18 15:00	01/26/18 14:35	118-74-1	
Hexachlorocyclopentadiene	**<85.5**	ug/kg	403	85.5	1	01/24/18 15:00	01/26/18 14:35	77-47-4	
Hexachloroethane	**<30.5**	ug/kg	403	30.5	1	01/24/18 15:00	01/26/18 14:35	67-72-1	
Indeno(1,2,3-cd)pyrene	**<44.0**	ug/kg	403	44.0	1	01/24/18 15:00	01/26/18 14:35	193-39-5	
Isophorone	**<36.6**	ug/kg	403	36.6	1	01/24/18 15:00	01/26/18 14:35	78-59-1	
2-Methylnaphthalene	**<29.3**	ug/kg	403	29.3	1	01/24/18 15:00	01/26/18 14:35	91-57-6	
2-Methylphenol(o-Cresol)	**<37.9**	ug/kg	403	37.9	1	01/24/18 15:00	01/26/18 14:35	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<44.0**	ug/kg	403	44.0	1	01/24/18 15:00	01/26/18 14:35		
Naphthalene	**<31.8**	ug/kg	403	31.8	1	01/24/18 15:00	01/26/18 14:35	91-20-3	
2-Nitroaniline	**<68.4**	ug/kg	806	68.4	1	01/24/18 15:00	01/26/18 14:35	88-74-4	
3-Nitroaniline	**<122**	ug/kg	806	122	1	01/24/18 15:00	01/26/18 14:35	99-09-2	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-1 (3-5) **Lab ID: 60262572002** Collected: 01/22/18 14:00 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<104**	ug/kg	806	104	1	01/24/18 15:00	01/26/18 14:35	100-01-6	
Nitrobenzene	**<37.9**	ug/kg	403	37.9	1	01/24/18 15:00	01/26/18 14:35	98-95-3	
2-Nitrophenol	**<56.2**	ug/kg	403	56.2	1	01/24/18 15:00	01/26/18 14:35	88-75-5	
4-Nitrophenol	**<63.5**	ug/kg	2040	63.5	1	01/24/18 15:00	01/26/18 14:35	100-02-7	
N-Nitroso-di-n-propylamine	**<40.3**	ug/kg	403	40.3	1	01/24/18 15:00	01/26/18 14:35	621-64-7	
N-Nitrosodiphenylamine	**<31.8**	ug/kg	403	31.8	1	01/24/18 15:00	01/26/18 14:35	86-30-6	
Pentachlorophenol	**<37.9**	ug/kg	2040	37.9	1	01/24/18 15:00	01/26/18 14:35	87-86-5	
Phenanthrene	**<37.9**	ug/kg	403	37.9	1	01/24/18 15:00	01/26/18 14:35	85-01-8	
Phenol	**<31.8**	ug/kg	403	31.8	1	01/24/18 15:00	01/26/18 14:35	108-95-2	
Pyrene	**<40.3**	ug/kg	403	40.3	1	01/24/18 15:00	01/26/18 14:35	129-00-0	
Pyridine	**<33.0**	ug/kg	403	33.0	1	01/24/18 15:00	01/26/18 14:35	110-86-1	
1,2,4-Trichlorobenzene	**<36.6**	ug/kg	403	36.6	1	01/24/18 15:00	01/26/18 14:35	120-82-1	
2,4,5-Trichlorophenol	**<36.6**	ug/kg	403	36.6	1	01/24/18 15:00	01/26/18 14:35	95-95-4	
2,4,6-Trichlorophenol	**<37.9**	ug/kg	403	37.9	1	01/24/18 15:00	01/26/18 14:35	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	72	%	41-114		1	01/24/18 15:00	01/26/18 14:35	4165-60-0	
2-Fluorobiphenyl (S)	73	%	61-109		1	01/24/18 15:00	01/26/18 14:35	321-60-8	
Terphenyl-d14 (S)	74	%	48-120		1	01/24/18 15:00	01/26/18 14:35	1718-51-0	
Phenol-d6 (S)	73	%	48-102		1	01/24/18 15:00	01/26/18 14:35	13127-88-3	
2-Fluorophenol (S)	71	%	46-102		1	01/24/18 15:00	01/26/18 14:35	367-12-4	
2,4,6-Tribromophenol (S)	92	%	39-114		1	01/24/18 15:00	01/26/18 14:35	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**18.3**	mg/kg	18.2	1.5	1	01/24/18 15:00	01/31/18 05:30		B
TPH-DRO	**2.5J**	mg/kg	18.2	1.5	1	01/24/18 15:00	01/31/18 05:30		
Surrogates									
Nitrobenzene-d5 (S)	85	%	41-114		1	01/24/18 15:00	01/31/18 05:30	4165-60-0	
2-Fluorobiphenyl (S)	81	%	61-109		1	01/24/18 15:00	01/31/18 05:30	321-60-8	
Terphenyl-d14 (S)	80	%	48-120		1	01/24/18 15:00	01/31/18 05:30	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.26**	mg/kg	0.52	0.26	1		01/31/18 12:58		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**26.0**	ug/kg	20.9	10.4	1		01/31/18 12:58	67-64-1	
Benzene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	71-43-2	
Bromobenzene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	108-86-1	
Bromochloromethane	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	74-97-5	
Bromodichloromethane	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	75-27-4	
Bromoform	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	75-25-2	
Bromomethane	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	74-83-9	
2-Butanone (MEK)	**<5.2**	ug/kg	10.4	5.2	1		01/31/18 12:58	78-93-3	
n-Butylbenzene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	104-51-8	
sec-Butylbenzene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	135-98-8	
tert-Butylbenzene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	98-06-6	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-1 (3-5) **Lab ID: 60262572002** Collected: 01/22/18 14:00 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	75-15-0	
Carbon tetrachloride	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	56-23-5	
Chlorobenzene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	108-90-7	
Chloroethane	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	75-00-3	
Chloroform	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	67-66-3	
Chloromethane	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	74-87-3	
2-Chlorotoluene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	95-49-8	
4-Chlorotoluene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.2**	ug/kg	10.4	5.2	1		01/31/18 12:58	96-12-8	
Dibromochloromethane	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	124-48-1	
1,2-Dibromoethane (EDB)	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	106-93-4	
Dibromomethane	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	74-95-3	
1,2-Dichlorobenzene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	95-50-1	
1,3-Dichlorobenzene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	541-73-1	
1,4-Dichlorobenzene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	106-46-7	
Dichlorodifluoromethane	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	75-71-8	
1,1-Dichloroethane	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	75-34-3	
1,2-Dichloroethane	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	107-06-2	
1,2-Dichloroethene (Total)	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	540-59-0	
1,1-Dichloroethene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	75-35-4	
cis-1,2-Dichloroethene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	156-59-2	
trans-1,2-Dichloroethene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	156-60-5	L2
1,2-Dichloropropane	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	78-87-5	
1,3-Dichloropropane	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	142-28-9	
2,2-Dichloropropane	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	594-20-7	
1,1-Dichloropropene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	563-58-6	
cis-1,3-Dichloropropene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	10061-01-5	
trans-1,3-Dichloropropene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	10061-02-6	
Ethylbenzene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	100-41-4	
Hexachloro-1,3-butadiene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	87-68-3	
2-Hexanone	**<10.4**	ug/kg	20.9	10.4	1		01/31/18 12:58	591-78-6	
Isopropylbenzene (Cumene)	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	98-82-8	
p-Isopropyltoluene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	99-87-6	
Methylene chloride	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.2**	ug/kg	10.4	5.2	1		01/31/18 12:58	108-10-1	
Methyl-tert-butyl ether	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	1634-04-4	
Naphthalene	**<5.2**	ug/kg	10.4	5.2	1		01/31/18 12:58	91-20-3	
n-Propylbenzene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	103-65-1	
Styrene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	79-34-5	
Tetrachloroethene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	127-18-4	
Toluene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	108-88-3	
1,2,3-Trichlorobenzene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	87-61-6	
1,2,4-Trichlorobenzene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	120-82-1	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-1 (3-5) **Lab ID: 60262572002** Collected: 01/22/18 14:00 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	71-55-6	
1,1,2-Trichloroethane	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	79-00-5	
Trichloroethene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	79-01-6	
Trichlorofluoromethane	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	75-69-4	
1,2,3-Trichloropropane	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	96-18-4	
1,2,4-Trimethylbenzene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	95-63-6	
1,3,5-Trimethylbenzene	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	108-67-8	
Vinyl chloride	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	75-01-4	
Xylene (Total)	**<2.6**	ug/kg	5.2	2.6	1		01/31/18 12:58	1330-20-7	
Surrogates									
Toluene-d8 (S)	99	%	78-122		1		01/31/18 12:58	2037-26-5	
4-Bromofluorobenzene (S)	102	%	69-133		1		01/31/18 12:58	460-00-4	
1,2-Dichloroethane-d4 (S)	115	%	80-123		1		01/31/18 12:58	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**20.0**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		01/30/18 10:40		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**121J**	mg/kg	124	61.9	10	02/04/18 07:00	02/05/18 17:30	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**7.4J**	mg/kg	12.5	6.2	10	02/05/18 16:00	02/06/18 00:14	14797-55-8	
Nitrite as N	**<6.2**	mg/kg	12.5	6.2	10	02/05/18 16:00	02/06/18 00:14	14797-65-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-2 (0-1) **Lab ID: 60262572003** Collected: 01/22/18 15:20 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.43**	ug/kg	1.2	0.43	1	01/25/18 16:25	01/29/18 19:11	309-00-2	
alpha-BHC	**<0.19**	ug/kg	1.2	0.19	1	01/25/18 16:25	01/29/18 19:11	319-84-6	
beta-BHC	**<0.64**	ug/kg	2.0	0.64	1	01/25/18 16:25	01/29/18 19:11	319-85-7	
delta-BHC	**<0.58**	ug/kg	1.7	0.58	1	01/25/18 16:25	01/29/18 19:11	319-86-8	
gamma-BHC (Lindane)	**<0.55**	ug/kg	1.7	0.55	1	01/25/18 16:25	01/29/18 19:11	58-89-9	
Chlordane (Technical)	**<34.3**	ug/kg	183	34.3	1	01/25/18 16:25	01/29/18 19:11	57-74-9	
alpha-Chlordane	**<0.49**	ug/kg	2.0	0.49	1	01/25/18 16:25	01/29/18 19:11	5103-71-9	
gamma-Chlordane	**<0.81**	ug/kg	2.0	0.81	1	01/25/18 16:25	01/29/18 19:11	5103-74-2	
4,4'-DDD	**<0.40**	ug/kg	1.2	0.40	1	01/25/18 16:25	01/29/18 19:11	72-54-8	
4,4'-DDE	**<0.38**	ug/kg	1.2	0.38	1	01/25/18 16:25	01/29/18 19:11	72-55-9	
4,4'-DDT	**<0.79**	ug/kg	1.7	0.79	1	01/25/18 16:25	01/29/18 19:11	50-29-3	
Dieldrin	**<0.53**	ug/kg	1.7	0.53	1	01/25/18 16:25	01/29/18 19:11	60-57-1	
Endosulfan I	**<0.57**	ug/kg	1.7	0.57	1	01/25/18 16:25	01/29/18 19:11	959-98-8	
Endosulfan II	**<0.39**	ug/kg	1.2	0.39	1	01/25/18 16:25	01/29/18 19:11	33213-65-9	
Endosulfan sulfate	**<0.56**	ug/kg	1.7	0.56	1	01/25/18 16:25	01/29/18 19:11	1031-07-8	
Endrin	**<0.57**	ug/kg	2.0	0.57	1	01/25/18 16:25	01/29/18 19:11	72-20-8	
Endrin aldehyde	**<0.57**	ug/kg	1.7	0.57	1	01/25/18 16:25	01/29/18 19:11	7421-93-4	
Endrin ketone	**<0.67**	ug/kg	2.4	0.67	1	01/25/18 16:25	01/29/18 19:11	53494-70-5	
Heptachlor	**<0.93**	ug/kg	2.4	0.93	1	01/25/18 16:25	01/29/18 19:11	76-44-8	
Heptachlor epoxide	**<2.4**	ug/kg	6.1	2.4	1	01/25/18 16:25	01/29/18 19:11	1024-57-3	
Methoxychlor	**<0.70**	ug/kg	2.4	0.70	1	01/25/18 16:25	01/29/18 19:11	72-43-5	
Toxaphene	**<63.3**	ug/kg	183	63.3	1	01/25/18 16:25	01/29/18 19:11	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	76	%.	70-130		1	01/25/18 16:25	01/29/18 19:11	877-09-8	
Decachlorobiphenyl (S)	89	%.	70-130		1	01/25/18 16:25	01/29/18 19:11	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<4.1**	ug/kg	8.1	4.1	1	01/25/18 16:25	01/31/18 22:46	22248-79-9	
Azinphos, methyl (Guthion)	**<4.1**	ug/kg	8.1	4.1	1	01/25/18 16:25	01/31/18 22:46	86-50-0	
Bolstar	**<4.1**	ug/kg	8.1	4.1	1	01/25/18 16:25	01/31/18 22:46	35400-43-2	
Chlorpyrifos	**<4.1**	ug/kg	8.1	4.1	1	01/25/18 16:25	01/31/18 22:46	2921-88-2	
Coumaphos	**<4.1**	ug/kg	8.1	4.1	1	01/25/18 16:25	01/31/18 22:46	56-72-4	
Diazinon	**<4.1**	ug/kg	8.1	4.1	1	01/25/18 16:25	01/31/18 22:46	333-41-5	
Dichlorvos	**<2.0**	ug/kg	4.1	2.0	1	01/25/18 16:25	01/31/18 22:46	62-73-7	
Dimethoate	**<4.1**	ug/kg	8.1	4.1	1	01/25/18 16:25	01/31/18 22:46	60-51-5	
Disulfoton	**<2.0**	ug/kg	4.1	2.0	1	01/25/18 16:25	01/31/18 22:46	298-04-4	
EPN (ENT)	**<2.6**	ug/kg	4.1	2.6	1	01/25/18 16:25	01/31/18 22:46	2104-64-5	
Ethoprop	**<2.0**	ug/kg	4.1	2.0	1	01/25/18 16:25	01/31/18 22:46	13194-48-4	
Fensulfothion	**<4.1**	ug/kg	8.1	4.1	1	01/25/18 16:25	01/31/18 22:46	115-90-2	
Fenthion	**<2.0**	ug/kg	4.1	2.0	1	01/25/18 16:25	01/31/18 22:46	55-38-9	
Malathion	**<4.1**	ug/kg	8.1	4.1	1	01/25/18 16:25	01/31/18 22:46	121-75-5	
Methyl parathion	**<2.0**	ug/kg	4.1	2.0	1	01/25/18 16:25	01/31/18 22:46	298-00-0	
Mevinphos	**<2.4**	ug/kg	4.1	2.4	1	01/25/18 16:25	01/31/18 22:46	7786-34-7	
Parathion (Ethyl parathion)	**<4.1**	ug/kg	8.1	4.1	1	01/25/18 16:25	01/31/18 22:46	56-38-2	
Phorate	**<2.0**	ug/kg	4.1	2.0	1	01/25/18 16:25	01/31/18 22:46	298-02-2	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-2 (0-1) **Lab ID: 60262572003** Collected: 01/22/18 15:20 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<2.0**	ug/kg	4.1	2.0	1	01/25/18 16:25	01/31/18 22:46	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<2.0**	ug/kg	4.1	2.0	1	01/25/18 16:25	01/31/18 22:46	3689-24-5	
Tokuthion (Prothiofos)	**<2.0**	ug/kg	4.1	2.0	1	01/25/18 16:25	01/31/18 22:46	34643-46-4	
Trichloronate	**<4.1**	ug/kg	8.1	4.1	1	01/25/18 16:25	01/31/18 22:46	327-98-0	
Total Demeton	**<3.3**	ug/kg	4.1	3.3	1	01/25/18 16:25	01/31/18 22:46	8065-48-3	N2
Total Merphos	**<4.1**	ug/kg	16.3	4.1	1	01/25/18 16:25	01/31/18 22:46	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	78	%.	11-137		1	01/25/18 16:25	01/31/18 22:46	115-86-6	
Tributylphosphate (S)	111	%.	17-125		1	01/25/18 16:25	01/31/18 22:46	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 13:42	94-75-7	
Dalapon	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 13:42	75-99-0	
2,4-DB	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 13:42	94-82-6	
Dicamba	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 13:42	1918-00-9	
Dichloroprop	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 13:42	15165-67-0	
Dinoseb	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 13:42	88-85-7	
MCPA	**<303**	ug/kg	303	303	1	01/29/18 16:21	01/30/18 13:42	94-74-6	
MCPP	**<303**	ug/kg	303	303	1	01/29/18 16:21	01/30/18 13:42	7085-19-0	
2,4,5-T	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 13:42	93-76-5	
2,4,5-TP (Silvex)	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 13:42	93-72-1	
Surrogates									
2,4-DCAA (S)	15	%.	10-188		1	01/29/18 16:21	01/30/18 13:42	19719-28-9	
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**7.0**	mg/kg	1.2	0.50	1	01/24/18 09:50	01/25/18 12:08	7440-38-2	
Barium	**253**	mg/kg	0.60	0.037	1	01/24/18 09:50	01/25/18 12:08	7440-39-3	
Cadmium	**0.75**	mg/kg	0.60	0.045	1	01/24/18 09:50	01/25/18 12:08	7440-43-9	
Chromium	**14.1**	mg/kg	0.60	0.12	1	01/24/18 09:50	01/25/18 12:08	7440-47-3	
Lead	**41.3**	mg/kg	0.60	0.25	1	01/24/18 09:50	01/25/18 12:08	7439-92-1	
Selenium	**<0.90**	mg/kg	1.8	0.90	1	01/24/18 09:50	01/25/18 12:08	7782-49-2	
Silver	**<0.20**	mg/kg	0.84	0.20	1	01/24/18 09:50	01/25/18 12:08	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.021J**	mg/kg	0.048	0.0064	1	01/25/18 09:26	01/25/18 11:40	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<42.2**	ug/kg	398	42.2	1	01/24/18 15:00	01/26/18 14:56	83-32-9	
Acenaphthylene	**97.1J**	ug/kg	398	37.4	1	01/24/18 15:00	01/26/18 14:56	208-96-8	
Anthracene	**78.7J**	ug/kg	398	42.2	1	01/24/18 15:00	01/26/18 14:56	120-12-7	
Benzo(a)anthracene	**296J**	ug/kg	398	36.2	1	01/24/18 15:00	01/26/18 14:56	56-55-3	
Benzo(a)pyrene	**335J**	ug/kg	398	31.3	1	01/24/18 15:00	01/26/18 14:56	50-32-8	
Benzo(b)fluoranthene	**452**	ug/kg	398	27.7	1	01/24/18 15:00	01/26/18 14:56	205-99-2	
Benzo(g,h,i)perylene	**194J**	ug/kg	398	38.6	1	01/24/18 15:00	01/26/18 14:56	191-24-2	
Benzo(k)fluoranthene	**211J**	ug/kg	398	47.0	1	01/24/18 15:00	01/26/18 14:56	207-08-9	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-2 (0-1) **Lab ID: 60262572003** Collected: 01/22/18 15:20 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<37.4**	ug/kg	2010	37.4	1	01/24/18 15:00	01/26/18 14:56	65-85-0	
Benzyl alcohol	**<124**	ug/kg	796	124	1	01/24/18 15:00	01/26/18 14:56	100-51-6	
4-Bromophenylphenyl ether	**<31.3**	ug/kg	398	31.3	1	01/24/18 15:00	01/26/18 14:56	101-55-3	
Butylbenzylphthalate	**<51.8**	ug/kg	398	51.8	1	01/24/18 15:00	01/26/18 14:56	85-68-7	
Carbazole	**<32.5**	ug/kg	398	32.5	1	01/24/18 15:00	01/26/18 14:56	86-74-8	
4-Chloro-3-methylphenol	**<43.4**	ug/kg	796	43.4	1	01/24/18 15:00	01/26/18 14:56	59-50-7	
4-Chloroaniline	**<78.3**	ug/kg	796	78.3	1	01/24/18 15:00	01/26/18 14:56	106-47-8	
bis(2-Chloroethoxy)methane	**<31.3**	ug/kg	398	31.3	1	01/24/18 15:00	01/26/18 14:56	111-91-1	
bis(2-Chloroethyl) ether	**<31.3**	ug/kg	398	31.3	1	01/24/18 15:00	01/26/18 14:56	111-44-4	
bis(2-Chloroisopropyl) ether	**<31.3**	ug/kg	398	31.3	1	01/24/18 15:00	01/26/18 14:56	39638-32-9	
2-Chloronaphthalene	**<33.8**	ug/kg	398	33.8	1	01/24/18 15:00	01/26/18 14:56	91-58-7	
2-Chlorophenol	**<32.5**	ug/kg	398	32.5	1	01/24/18 15:00	01/26/18 14:56	95-57-8	
4-Chlorophenylphenyl ether	**<38.6**	ug/kg	398	38.6	1	01/24/18 15:00	01/26/18 14:56	7005-72-3	
Chrysene	**343J**	ug/kg	398	33.8	1	01/24/18 15:00	01/26/18 14:56	218-01-9	
Dibenz(a,h)anthracene	**77.2J**	ug/kg	398	36.2	1	01/24/18 15:00	01/26/18 14:56	53-70-3	
Dibenzofuran	**<36.2**	ug/kg	398	36.2	1	01/24/18 15:00	01/26/18 14:56	132-64-9	
1,2-Dichlorobenzene	**<30.1**	ug/kg	398	30.1	1	01/24/18 15:00	01/26/18 14:56	95-50-1	
1,3-Dichlorobenzene	**<33.8**	ug/kg	398	33.8	1	01/24/18 15:00	01/26/18 14:56	541-73-1	
1,4-Dichlorobenzene	**<35.0**	ug/kg	398	35.0	1	01/24/18 15:00	01/26/18 14:56	106-46-7	
3,3'-Dichlorobenzidine	**<136**	ug/kg	796	136	1	01/24/18 15:00	01/26/18 14:56	91-94-1	
2,4-Dichlorophenol	**<36.2**	ug/kg	398	36.2	1	01/24/18 15:00	01/26/18 14:56	120-83-2	
Diethylphthalate	**<37.4**	ug/kg	398	37.4	1	01/24/18 15:00	01/26/18 14:56	84-66-2	
2,4-Dimethylphenol	**<21.7**	ug/kg	398	21.7	1	01/24/18 15:00	01/26/18 14:56	105-67-9	
Dimethylphthalate	**<38.6**	ug/kg	398	38.6	1	01/24/18 15:00	01/26/18 14:56	131-11-3	
Di-n-butylphthalate	**<42.2**	ug/kg	398	42.2	1	01/24/18 15:00	01/26/18 14:56	84-74-2	
4,6-Dinitro-2-methylphenol	**<53.0**	ug/kg	2010	53.0	1	01/24/18 15:00	01/26/18 14:56	534-52-1	
2,4-Dinitrophenol	**<57.9**	ug/kg	2010	57.9	1	01/24/18 15:00	01/26/18 14:56	51-28-5	
2,4-Dinitrotoluene	**<33.8**	ug/kg	398	33.8	1	01/24/18 15:00	01/26/18 14:56	121-14-2	
2,6-Dinitrotoluene	**<41.0**	ug/kg	398	41.0	1	01/24/18 15:00	01/26/18 14:56	606-20-2	
Di-n-octylphthalate	**<47.0**	ug/kg	398	47.0	1	01/24/18 15:00	01/26/18 14:56	117-84-0	
bis(2-Ethylhexyl)phthalate	**<137**	ug/kg	398	137	1	01/24/18 15:00	01/26/18 14:56	117-81-7	
Fluoranthene	**441**	ug/kg	398	37.4	1	01/24/18 15:00	01/26/18 14:56	206-44-0	
Fluorene	**<37.4**	ug/kg	398	37.4	1	01/24/18 15:00	01/26/18 14:56	86-73-7	
Hexachloro-1,3-butadiene	**<39.8**	ug/kg	398	39.8	1	01/24/18 15:00	01/26/18 14:56	87-68-3	
Hexachlorobenzene	**<38.6**	ug/kg	398	38.6	1	01/24/18 15:00	01/26/18 14:56	118-74-1	
Hexachlorocyclopentadiene	**<84.4**	ug/kg	398	84.4	1	01/24/18 15:00	01/26/18 14:56	77-47-4	
Hexachloroethane	**<30.1**	ug/kg	398	30.1	1	01/24/18 15:00	01/26/18 14:56	67-72-1	
Indeno(1,2,3-cd)pyrene	**200J**	ug/kg	398	43.4	1	01/24/18 15:00	01/26/18 14:56	193-39-5	
Isophorone	**<36.2**	ug/kg	398	36.2	1	01/24/18 15:00	01/26/18 14:56	78-59-1	
2-Methylnaphthalene	**<28.9**	ug/kg	398	28.9	1	01/24/18 15:00	01/26/18 14:56	91-57-6	
2-Methylphenol(o-Cresol)	**<37.4**	ug/kg	398	37.4	1	01/24/18 15:00	01/26/18 14:56	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<43.4**	ug/kg	398	43.4	1	01/24/18 15:00	01/26/18 14:56		
Naphthalene	**48.5J**	ug/kg	398	31.3	1	01/24/18 15:00	01/26/18 14:56	91-20-3	
2-Nitroaniline	**<67.5**	ug/kg	796	67.5	1	01/24/18 15:00	01/26/18 14:56	88-74-4	
3-Nitroaniline	**<121**	ug/kg	796	121	1	01/24/18 15:00	01/26/18 14:56	99-09-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-2 (0-1) **Lab ID: 60262572003** Collected: 01/22/18 15:20 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<102**	ug/kg	796	102	1	01/24/18 15:00	01/26/18 14:56	100-01-6	
Nitrobenzene	**<37.4**	ug/kg	398	37.4	1	01/24/18 15:00	01/26/18 14:56	98-95-3	
2-Nitrophenol	**<55.4**	ug/kg	398	55.4	1	01/24/18 15:00	01/26/18 14:56	88-75-5	
4-Nitrophenol	**<62.7**	ug/kg	2010	62.7	1	01/24/18 15:00	01/26/18 14:56	100-02-7	
N-Nitroso-di-n-propylamine	**<39.8**	ug/kg	398	39.8	1	01/24/18 15:00	01/26/18 14:56	621-64-7	
N-Nitrosodiphenylamine	**<31.3**	ug/kg	398	31.3	1	01/24/18 15:00	01/26/18 14:56	86-30-6	
Pentachlorophenol	**<37.4**	ug/kg	2010	37.4	1	01/24/18 15:00	01/26/18 14:56	87-86-5	
Phenanthrene	**284J**	ug/kg	398	37.4	1	01/24/18 15:00	01/26/18 14:56	85-01-8	
Phenol	**<31.3**	ug/kg	398	31.3	1	01/24/18 15:00	01/26/18 14:56	108-95-2	
Pyrene	**371J**	ug/kg	398	39.8	1	01/24/18 15:00	01/26/18 14:56	129-00-0	
Pyridine	**<32.5**	ug/kg	398	32.5	1	01/24/18 15:00	01/26/18 14:56	110-86-1	
1,2,4-Trichlorobenzene	**<36.2**	ug/kg	398	36.2	1	01/24/18 15:00	01/26/18 14:56	120-82-1	
2,4,5-Trichlorophenol	**<36.2**	ug/kg	398	36.2	1	01/24/18 15:00	01/26/18 14:56	95-95-4	
2,4,6-Trichlorophenol	**<37.4**	ug/kg	398	37.4	1	01/24/18 15:00	01/26/18 14:56	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	73	%	41-114		1	01/24/18 15:00	01/26/18 14:56	4165-60-0	
2-Fluorobiphenyl (S)	75	%	61-109		1	01/24/18 15:00	01/26/18 14:56	321-60-8	
Terphenyl-d14 (S)	80	%	48-120		1	01/24/18 15:00	01/26/18 14:56	1718-51-0	
Phenol-d6 (S)	71	%	48-102		1	01/24/18 15:00	01/26/18 14:56	13127-88-3	
2-Fluorophenol (S)	67	%	46-102		1	01/24/18 15:00	01/26/18 14:56	367-12-4	
2,4,6-Tribromophenol (S)	83	%	39-114		1	01/24/18 15:00	01/26/18 14:56	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**105**	mg/kg	18.1	1.4	1	01/24/18 15:00	01/30/18 07:34		
TPH-DRO	**51.1**	mg/kg	18.1	1.4	1	01/24/18 15:00	01/30/18 07:34		
Surrogates									
Nitrobenzene-d5 (S)	83	%	41-114		1	01/24/18 15:00	01/30/18 07:34	4165-60-0	
2-Fluorobiphenyl (S)	86	%	61-109		1	01/24/18 15:00	01/30/18 07:34	321-60-8	
Terphenyl-d14 (S)	83	%	48-120		1	01/24/18 15:00	01/30/18 07:34	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.29**	mg/kg	0.59	0.29	1		01/31/18 13:14		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**77.0**	ug/kg	23.6	11.8	1		01/31/18 13:14	67-64-1	
Benzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	71-43-2	
Bromobenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	108-86-1	
Bromochloromethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	74-97-5	
Bromodichloromethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	75-27-4	
Bromoform	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	75-25-2	
Bromomethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	74-83-9	
2-Butanone (MEK)	**9.7J**	ug/kg	11.8	5.9	1		01/31/18 13:14	78-93-3	
n-Butylbenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	104-51-8	
sec-Butylbenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	135-98-8	
tert-Butylbenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	98-06-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-2 (0-1) **Lab ID: 60262572003** Collected: 01/22/18 15:20 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	75-15-0	
Carbon tetrachloride	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	56-23-5	
Chlorobenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	108-90-7	
Chloroethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	75-00-3	
Chloroform	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	67-66-3	
Chloromethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	74-87-3	
2-Chlorotoluene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	95-49-8	
4-Chlorotoluene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.9**	ug/kg	11.8	5.9	1		01/31/18 13:14	96-12-8	
Dibromochloromethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	124-48-1	
1,2-Dibromoethane (EDB)	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	106-93-4	
Dibromomethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	74-95-3	
1,2-Dichlorobenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	95-50-1	
1,3-Dichlorobenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	541-73-1	
1,4-Dichlorobenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	106-46-7	
Dichlorodifluoromethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	75-71-8	
1,1-Dichloroethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	75-34-3	
1,2-Dichloroethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	107-06-2	
1,2-Dichloroethene (Total)	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	540-59-0	
1,1-Dichloroethene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	75-35-4	
cis-1,2-Dichloroethene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	156-59-2	
trans-1,2-Dichloroethene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	156-60-5	L2
1,2-Dichloropropane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	78-87-5	
1,3-Dichloropropane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	142-28-9	
2,2-Dichloropropane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	594-20-7	
1,1-Dichloropropene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	563-58-6	
cis-1,3-Dichloropropene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	10061-01-5	
trans-1,3-Dichloropropene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	10061-02-6	
Ethylbenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	100-41-4	
Hexachloro-1,3-butadiene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	87-68-3	
2-Hexanone	**<11.8**	ug/kg	23.6	11.8	1		01/31/18 13:14	591-78-6	
Isopropylbenzene (Cumene)	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	98-82-8	
p-Isopropyltoluene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	99-87-6	
Methylene chloride	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.9**	ug/kg	11.8	5.9	1		01/31/18 13:14	108-10-1	
Methyl-tert-butyl ether	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	1634-04-4	
Naphthalene	**<5.9**	ug/kg	11.8	5.9	1		01/31/18 13:14	91-20-3	
n-Propylbenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	103-65-1	
Styrene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	79-34-5	
Tetrachloroethene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	127-18-4	
Toluene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	108-88-3	
1,2,3-Trichlorobenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	87-61-6	
1,2,4-Trichlorobenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	120-82-1	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-2 (0-1) **Lab ID: 60262572003** Collected: 01/22/18 15:20 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**10.8**	ug/kg	5.9	2.9	1		01/31/18 13:14	71-55-6	
1,1,2-Trichloroethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	79-00-5	
Trichloroethene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	79-01-6	
Trichlorofluoromethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	75-69-4	
1,2,3-Trichloropropane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	96-18-4	
1,2,4-Trimethylbenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	95-63-6	
1,3,5-Trimethylbenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	108-67-8	
Vinyl chloride	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	75-01-4	
Xylene (Total)	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 13:14	1330-20-7	
Surrogates									
Toluene-d8 (S)	99	%	78-122		1		01/31/18 13:14	2037-26-5	
4-Bromofluorobenzene (S)	104	%	69-133		1		01/31/18 13:14	460-00-4	
1,2-Dichloroethane-d4 (S)	121	%	80-123		1		01/31/18 13:14	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**18.6**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		01/30/18 10:40		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**97.0J**	mg/kg	122	60.8	10	02/04/18 07:00	02/05/18 17:44	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**18.1**	mg/kg	12.1	6.0	10	02/05/18 16:00	02/06/18 00:28	14797-55-8	
Nitrite as N	**<6.0**	mg/kg	12.1	6.0	10	02/05/18 16:00	02/06/18 00:28	14797-65-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-2 (3-5) **Lab ID: 60262572004** Collected: 01/22/18 15:30 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.44**	ug/kg	1.3	0.44	1	01/25/18 16:25	01/29/18 19:26	309-00-2	
alpha-BHC	**<0.20**	ug/kg	1.3	0.20	1	01/25/18 16:25	01/29/18 19:26	319-84-6	
beta-BHC	**<0.66**	ug/kg	2.1	0.66	1	01/25/18 16:25	01/29/18 19:26	319-85-7	
delta-BHC	**<0.60**	ug/kg	1.8	0.60	1	01/25/18 16:25	01/29/18 19:26	319-86-8	
gamma-BHC (Lindane)	**<0.56**	ug/kg	1.8	0.56	1	01/25/18 16:25	01/29/18 19:26	58-89-9	
Chlordane (Technical)	**<35.3**	ug/kg	188	35.3	1	01/25/18 16:25	01/29/18 19:26	57-74-9	
alpha-Chlordane	**<0.50**	ug/kg	2.1	0.50	1	01/25/18 16:25	01/29/18 19:26	5103-71-9	
gamma-Chlordane	**<0.83**	ug/kg	2.1	0.83	1	01/25/18 16:25	01/29/18 19:26	5103-74-2	
4,4'-DDD	**<0.41**	ug/kg	1.3	0.41	1	01/25/18 16:25	01/29/18 19:26	72-54-8	
4,4'-DDE	**<0.39**	ug/kg	1.3	0.39	1	01/25/18 16:25	01/29/18 19:26	72-55-9	
4,4'-DDT	**<0.81**	ug/kg	1.8	0.81	1	01/25/18 16:25	01/29/18 19:26	50-29-3	
Dieldrin	**<0.54**	ug/kg	1.8	0.54	1	01/25/18 16:25	01/29/18 19:26	60-57-1	
Endosulfan I	**<0.58**	ug/kg	1.8	0.58	1	01/25/18 16:25	01/29/18 19:26	959-98-8	
Endosulfan II	**<0.40**	ug/kg	1.3	0.40	1	01/25/18 16:25	01/29/18 19:26	33213-65-9	
Endosulfan sulfate	**<0.58**	ug/kg	1.8	0.58	1	01/25/18 16:25	01/29/18 19:26	1031-07-8	
Endrin	**<0.58**	ug/kg	2.1	0.58	1	01/25/18 16:25	01/29/18 19:26	72-20-8	
Endrin aldehyde	**<0.58**	ug/kg	1.8	0.58	1	01/25/18 16:25	01/29/18 19:26	7421-93-4	
Endrin ketone	**<0.69**	ug/kg	2.5	0.69	1	01/25/18 16:25	01/29/18 19:26	53494-70-5	
Heptachlor	**<0.96**	ug/kg	2.5	0.96	1	01/25/18 16:25	01/29/18 19:26	76-44-8	
Heptachlor epoxide	**<2.5**	ug/kg	6.3	2.5	1	01/25/18 16:25	01/29/18 19:26	1024-57-3	
Methoxychlor	**<0.72**	ug/kg	2.5	0.72	1	01/25/18 16:25	01/29/18 19:26	72-43-5	
Toxaphene	**<65.1**	ug/kg	188	65.1	1	01/25/18 16:25	01/29/18 19:26	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	80	%.	70-130		1	01/25/18 16:25	01/29/18 19:26	877-09-8	
Decachlorobiphenyl (S)	72	%.	70-130		1	01/25/18 16:25	01/29/18 19:26	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<4.2**	ug/kg	8.4	4.2	1	01/25/18 16:25	01/31/18 23:13	22248-79-9	
Azinphos, methyl (Guthion)	**<4.2**	ug/kg	8.4	4.2	1	01/25/18 16:25	01/31/18 23:13	86-50-0	
Bolstar	**<4.2**	ug/kg	8.4	4.2	1	01/25/18 16:25	01/31/18 23:13	35400-43-2	
Chlorpyrifos	**<4.2**	ug/kg	8.4	4.2	1	01/25/18 16:25	01/31/18 23:13	2921-88-2	
Coumaphos	**<4.2**	ug/kg	8.4	4.2	1	01/25/18 16:25	01/31/18 23:13	56-72-4	
Diazinon	**<4.2**	ug/kg	8.4	4.2	1	01/25/18 16:25	01/31/18 23:13	333-41-5	
Dichlorvos	**<2.1**	ug/kg	4.2	2.1	1	01/25/18 16:25	01/31/18 23:13	62-73-7	
Dimethoate	**<4.2**	ug/kg	8.4	4.2	1	01/25/18 16:25	01/31/18 23:13	60-51-5	
Disulfoton	**<2.1**	ug/kg	4.2	2.1	1	01/25/18 16:25	01/31/18 23:13	298-04-4	
EPN (ENT)	**<2.7**	ug/kg	4.2	2.7	1	01/25/18 16:25	01/31/18 23:13	2104-64-5	
Ethoprop	**<2.1**	ug/kg	4.2	2.1	1	01/25/18 16:25	01/31/18 23:13	13194-48-4	
Fensulfothion	**<4.2**	ug/kg	8.4	4.2	1	01/25/18 16:25	01/31/18 23:13	115-90-2	
Fenthion	**<2.1**	ug/kg	4.2	2.1	1	01/25/18 16:25	01/31/18 23:13	55-38-9	
Malathion	**<4.2**	ug/kg	8.4	4.2	1	01/25/18 16:25	01/31/18 23:13	121-75-5	
Methyl parathion	**<2.1**	ug/kg	4.2	2.1	1	01/25/18 16:25	01/31/18 23:13	298-00-0	
Mevinphos	**<2.5**	ug/kg	4.2	2.5	1	01/25/18 16:25	01/31/18 23:13	7786-34-7	
Parathion (Ethyl parathion)	**<4.2**	ug/kg	8.4	4.2	1	01/25/18 16:25	01/31/18 23:13	56-38-2	
Phorate	**<2.1**	ug/kg	4.2	2.1	1	01/25/18 16:25	01/31/18 23:13	298-02-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-2 (3-5) **Lab ID: 60262572004** Collected: 01/22/18 15:30 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<2.1**	ug/kg	4.2	2.1	1	01/25/18 16:25	01/31/18 23:13	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<2.1**	ug/kg	4.2	2.1	1	01/25/18 16:25	01/31/18 23:13	3689-24-5	
Tokuthion (Prothiofos)	**<2.1**	ug/kg	4.2	2.1	1	01/25/18 16:25	01/31/18 23:13	34643-46-4	
Trichloronate	**<4.2**	ug/kg	8.4	4.2	1	01/25/18 16:25	01/31/18 23:13	327-98-0	
Total Demeton	**<3.4**	ug/kg	4.2	3.4	1	01/25/18 16:25	01/31/18 23:13	8065-48-3	N2
Total Merphos	**<4.2**	ug/kg	16.7	4.2	1	01/25/18 16:25	01/31/18 23:13	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	94	%.	11-137		1	01/25/18 16:25	01/31/18 23:13	115-86-6	
Tributylphosphate (S)	109	%.	17-125		1	01/25/18 16:25	01/31/18 23:13	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 15:47	94-75-7	
Dalapon	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 15:47	75-99-0	
2,4-DB	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 15:47	94-82-6	
Dicamba	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 15:47	1918-00-9	
Dichloroprop	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 15:47	15165-67-0	
Dinoseb	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 15:47	88-85-7	
MCPA	**<313**	ug/kg	313	313	1	01/29/18 16:21	01/30/18 15:47	94-74-6	
MCPP	**<313**	ug/kg	313	313	1	01/29/18 16:21	01/30/18 15:47	7085-19-0	
2,4,5-T	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 15:47	93-76-5	
2,4,5-TP (Silvex)	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 15:47	93-72-1	
Surrogates									
2,4-DCAA (S)	12	%.	10-188		1	01/29/18 16:21	01/30/18 15:47	19719-28-9	
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**5.8**	mg/kg	1.3	0.52	1	01/24/18 09:50	01/25/18 12:10	7440-38-2	
Barium	**175**	mg/kg	0.63	0.039	1	01/24/18 09:50	01/25/18 12:10	7440-39-3	
Cadmium	**0.38J**	mg/kg	0.63	0.047	1	01/24/18 09:50	01/25/18 12:10	7440-43-9	
Chromium	**15.7**	mg/kg	0.63	0.13	1	01/24/18 09:50	01/25/18 12:10	7440-47-3	
Lead	**9.5**	mg/kg	0.63	0.26	1	01/24/18 09:50	01/25/18 12:10	7439-92-1	
Selenium	**1.1J**	mg/kg	1.9	0.95	1	01/24/18 09:50	01/25/18 12:10	7782-49-2	
Silver	**<0.21**	mg/kg	0.89	0.21	1	01/24/18 09:50	01/25/18 12:10	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.015J**	mg/kg	0.048	0.0063	1	01/25/18 09:26	01/25/18 11:43	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<43.8**	ug/kg	413	43.8	1	01/24/18 15:00	01/26/18 15:18	83-32-9	
Acenaphthylene	**<38.8**	ug/kg	413	38.8	1	01/24/18 15:00	01/26/18 15:18	208-96-8	
Anthracene	**<43.8**	ug/kg	413	43.8	1	01/24/18 15:00	01/26/18 15:18	120-12-7	
Benzo(a)anthracene	**<37.6**	ug/kg	413	37.6	1	01/24/18 15:00	01/26/18 15:18	56-55-3	
Benzo(a)pyrene	**<32.6**	ug/kg	413	32.6	1	01/24/18 15:00	01/26/18 15:18	50-32-8	
Benzo(b)fluoranthene	**<28.8**	ug/kg	413	28.8	1	01/24/18 15:00	01/26/18 15:18	205-99-2	
Benzo(g,h,i)perylene	**<40.1**	ug/kg	413	40.1	1	01/24/18 15:00	01/26/18 15:18	191-24-2	
Benzo(k)fluoranthene	**<48.8**	ug/kg	413	48.8	1	01/24/18 15:00	01/26/18 15:18	207-08-9	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-2 (3-5) **Lab ID: 60262572004** Collected: 01/22/18 15:30 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<38.8**	ug/kg	2090	38.8	1	01/24/18 15:00	01/26/18 15:18	65-85-0	
Benzyl alcohol	**<129**	ug/kg	826	129	1	01/24/18 15:00	01/26/18 15:18	100-51-6	
4-Bromophenylphenyl ether	**<32.6**	ug/kg	413	32.6	1	01/24/18 15:00	01/26/18 15:18	101-55-3	
Butylbenzylphthalate	**<53.8**	ug/kg	413	53.8	1	01/24/18 15:00	01/26/18 15:18	85-68-7	
Carbazole	**<33.8**	ug/kg	413	33.8	1	01/24/18 15:00	01/26/18 15:18	86-74-8	
4-Chloro-3-methylphenol	**<45.1**	ug/kg	826	45.1	1	01/24/18 15:00	01/26/18 15:18	59-50-7	
4-Chloroaniline	**<81.4**	ug/kg	826	81.4	1	01/24/18 15:00	01/26/18 15:18	106-47-8	
bis(2-Chloroethoxy)methane	**<32.6**	ug/kg	413	32.6	1	01/24/18 15:00	01/26/18 15:18	111-91-1	
bis(2-Chloroethyl) ether	**<32.6**	ug/kg	413	32.6	1	01/24/18 15:00	01/26/18 15:18	111-44-4	
bis(2-Chloroisopropyl) ether	**<32.6**	ug/kg	413	32.6	1	01/24/18 15:00	01/26/18 15:18	39638-32-9	
2-Chloronaphthalene	**<35.1**	ug/kg	413	35.1	1	01/24/18 15:00	01/26/18 15:18	91-58-7	
2-Chlorophenol	**<33.8**	ug/kg	413	33.8	1	01/24/18 15:00	01/26/18 15:18	95-57-8	
4-Chlorophenylphenyl ether	**<40.1**	ug/kg	413	40.1	1	01/24/18 15:00	01/26/18 15:18	7005-72-3	
Chrysene	**<35.1**	ug/kg	413	35.1	1	01/24/18 15:00	01/26/18 15:18	218-01-9	
Dibenz(a,h)anthracene	**<37.6**	ug/kg	413	37.6	1	01/24/18 15:00	01/26/18 15:18	53-70-3	
Dibenzofuran	**<37.6**	ug/kg	413	37.6	1	01/24/18 15:00	01/26/18 15:18	132-64-9	
1,2-Dichlorobenzene	**<31.3**	ug/kg	413	31.3	1	01/24/18 15:00	01/26/18 15:18	95-50-1	
1,3-Dichlorobenzene	**<35.1**	ug/kg	413	35.1	1	01/24/18 15:00	01/26/18 15:18	541-73-1	
1,4-Dichlorobenzene	**<36.3**	ug/kg	413	36.3	1	01/24/18 15:00	01/26/18 15:18	106-46-7	
3,3'-Dichlorobenzidine	**<141**	ug/kg	826	141	1	01/24/18 15:00	01/26/18 15:18	91-94-1	
2,4-Dichlorophenol	**<37.6**	ug/kg	413	37.6	1	01/24/18 15:00	01/26/18 15:18	120-83-2	
Diethylphthalate	**<38.8**	ug/kg	413	38.8	1	01/24/18 15:00	01/26/18 15:18	84-66-2	
2,4-Dimethylphenol	**<22.5**	ug/kg	413	22.5	1	01/24/18 15:00	01/26/18 15:18	105-67-9	
Dimethylphthalate	**<40.1**	ug/kg	413	40.1	1	01/24/18 15:00	01/26/18 15:18	131-11-3	
Di-n-butylphthalate	**<43.8**	ug/kg	413	43.8	1	01/24/18 15:00	01/26/18 15:18	84-74-2	
4,6-Dinitro-2-methylphenol	**<55.1**	ug/kg	2090	55.1	1	01/24/18 15:00	01/26/18 15:18	534-52-1	
2,4-Dinitrophenol	**<60.1**	ug/kg	2090	60.1	1	01/24/18 15:00	01/26/18 15:18	51-28-5	
2,4-Dinitrotoluene	**<35.1**	ug/kg	413	35.1	1	01/24/18 15:00	01/26/18 15:18	121-14-2	
2,6-Dinitrotoluene	**<42.6**	ug/kg	413	42.6	1	01/24/18 15:00	01/26/18 15:18	606-20-2	
Di-n-octylphthalate	**<48.8**	ug/kg	413	48.8	1	01/24/18 15:00	01/26/18 15:18	117-84-0	
bis(2-Ethylhexyl)phthalate	**<143**	ug/kg	413	143	1	01/24/18 15:00	01/26/18 15:18	117-81-7	
Fluoranthene	**<38.8**	ug/kg	413	38.8	1	01/24/18 15:00	01/26/18 15:18	206-44-0	
Fluorene	**<38.8**	ug/kg	413	38.8	1	01/24/18 15:00	01/26/18 15:18	86-73-7	
Hexachloro-1,3-butadiene	**<41.3**	ug/kg	413	41.3	1	01/24/18 15:00	01/26/18 15:18	87-68-3	
Hexachlorobenzene	**<40.1**	ug/kg	413	40.1	1	01/24/18 15:00	01/26/18 15:18	118-74-1	
Hexachlorocyclopentadiene	**<87.7**	ug/kg	413	87.7	1	01/24/18 15:00	01/26/18 15:18	77-47-4	
Hexachloroethane	**<31.3**	ug/kg	413	31.3	1	01/24/18 15:00	01/26/18 15:18	67-72-1	
Indeno(1,2,3-cd)pyrene	**<45.1**	ug/kg	413	45.1	1	01/24/18 15:00	01/26/18 15:18	193-39-5	
Isophorone	**<37.6**	ug/kg	413	37.6	1	01/24/18 15:00	01/26/18 15:18	78-59-1	
2-Methylnaphthalene	**<30.1**	ug/kg	413	30.1	1	01/24/18 15:00	01/26/18 15:18	91-57-6	
2-Methylphenol(o-Cresol)	**<38.8**	ug/kg	413	38.8	1	01/24/18 15:00	01/26/18 15:18	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<45.1**	ug/kg	413	45.1	1	01/24/18 15:00	01/26/18 15:18		
Naphthalene	**<32.6**	ug/kg	413	32.6	1	01/24/18 15:00	01/26/18 15:18	91-20-3	
2-Nitroaniline	**<70.1**	ug/kg	826	70.1	1	01/24/18 15:00	01/26/18 15:18	88-74-4	
3-Nitroaniline	**<125**	ug/kg	826	125	1	01/24/18 15:00	01/26/18 15:18	99-09-2	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-2 (3-5) **Lab ID: 60262572004** Collected: 01/22/18 15:30 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<106**	ug/kg	826	106	1	01/24/18 15:00	01/26/18 15:18	100-01-6	
Nitrobenzene	**<38.8**	ug/kg	413	38.8	1	01/24/18 15:00	01/26/18 15:18	98-95-3	
2-Nitrophenol	**<57.6**	ug/kg	413	57.6	1	01/24/18 15:00	01/26/18 15:18	88-75-5	
4-Nitrophenol	**<65.1**	ug/kg	2090	65.1	1	01/24/18 15:00	01/26/18 15:18	100-02-7	
N-Nitroso-di-n-propylamine	**<41.3**	ug/kg	413	41.3	1	01/24/18 15:00	01/26/18 15:18	621-64-7	
N-Nitrosodiphenylamine	**<32.6**	ug/kg	413	32.6	1	01/24/18 15:00	01/26/18 15:18	86-30-6	
Pentachlorophenol	**<38.8**	ug/kg	2090	38.8	1	01/24/18 15:00	01/26/18 15:18	87-86-5	
Phenanthrene	**<38.8**	ug/kg	413	38.8	1	01/24/18 15:00	01/26/18 15:18	85-01-8	
Phenol	**<32.6**	ug/kg	413	32.6	1	01/24/18 15:00	01/26/18 15:18	108-95-2	
Pyrene	**<41.3**	ug/kg	413	41.3	1	01/24/18 15:00	01/26/18 15:18	129-00-0	
Pyridine	**<33.8**	ug/kg	413	33.8	1	01/24/18 15:00	01/26/18 15:18	110-86-1	
1,2,4-Trichlorobenzene	**<37.6**	ug/kg	413	37.6	1	01/24/18 15:00	01/26/18 15:18	120-82-1	
2,4,5-Trichlorophenol	**<37.6**	ug/kg	413	37.6	1	01/24/18 15:00	01/26/18 15:18	95-95-4	
2,4,6-Trichlorophenol	**<38.8**	ug/kg	413	38.8	1	01/24/18 15:00	01/26/18 15:18	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	59	%	41-114		1	01/24/18 15:00	01/26/18 15:18	4165-60-0	
2-Fluorobiphenyl (S)	61	%	61-109		1	01/24/18 15:00	01/26/18 15:18	321-60-8	
Terphenyl-d14 (S)	66	%	48-120		1	01/24/18 15:00	01/26/18 15:18	1718-51-0	
Phenol-d6 (S)	60	%	48-102		1	01/24/18 15:00	01/26/18 15:18	13127-88-3	
2-Fluorophenol (S)	58	%	46-102		1	01/24/18 15:00	01/26/18 15:18	367-12-4	
2,4,6-Tribromophenol (S)	78	%	39-114		1	01/24/18 15:00	01/26/18 15:18	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**22.3**	mg/kg	18.6	1.5	1	01/24/18 15:00	01/31/18 05:52		B
TPH-DRO	**1.7J**	mg/kg	18.6	1.5	1	01/24/18 15:00	01/31/18 05:52		
Surrogates									
Nitrobenzene-d5 (S)	93	%	41-114		1	01/24/18 15:00	01/31/18 05:52	4165-60-0	
2-Fluorobiphenyl (S)	91	%	61-109		1	01/24/18 15:00	01/31/18 05:52	321-60-8	
Terphenyl-d14 (S)	86	%	48-120		1	01/24/18 15:00	01/31/18 05:52	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.27**	mg/kg	0.54	0.27	1		01/31/18 13:29		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**11.3J**	ug/kg	21.7	10.9	1		01/31/18 13:29	67-64-1	
Benzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	71-43-2	
Bromobenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	108-86-1	
Bromochloromethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	74-97-5	
Bromodichloromethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	75-27-4	
Bromoform	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	75-25-2	
Bromomethane	**4.0J**	ug/kg	5.4	2.7	1		01/31/18 13:29	74-83-9	
2-Butanone (MEK)	**<5.4**	ug/kg	10.9	5.4	1		01/31/18 13:29	78-93-3	
n-Butylbenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	104-51-8	
sec-Butylbenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	135-98-8	
tert-Butylbenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	98-06-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-2 (3-5) **Lab ID: 60262572004** Collected: 01/22/18 15:30 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	75-15-0	
Carbon tetrachloride	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	56-23-5	
Chlorobenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	108-90-7	
Chloroethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	75-00-3	
Chloroform	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	67-66-3	
Chloromethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	74-87-3	
2-Chlorotoluene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	95-49-8	
4-Chlorotoluene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.4**	ug/kg	10.9	5.4	1		01/31/18 13:29	96-12-8	
Dibromochloromethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	124-48-1	
1,2-Dibromoethane (EDB)	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	106-93-4	
Dibromomethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	74-95-3	
1,2-Dichlorobenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	95-50-1	
1,3-Dichlorobenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	541-73-1	
1,4-Dichlorobenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	106-46-7	
Dichlorodifluoromethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	75-71-8	
1,1-Dichloroethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	75-34-3	
1,2-Dichloroethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	107-06-2	
1,2-Dichloroethene (Total)	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	540-59-0	
1,1-Dichloroethene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	75-35-4	
cis-1,2-Dichloroethene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	156-59-2	
trans-1,2-Dichloroethene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	156-60-5	L2
1,2-Dichloropropane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	78-87-5	
1,3-Dichloropropane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	142-28-9	
2,2-Dichloropropane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	594-20-7	
1,1-Dichloropropene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	563-58-6	
cis-1,3-Dichloropropene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	10061-01-5	
trans-1,3-Dichloropropene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	10061-02-6	
Ethylbenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	87-68-3	
2-Hexanone	**<10.9**	ug/kg	21.7	10.9	1		01/31/18 13:29	591-78-6	
Isopropylbenzene (Cumene)	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	98-82-8	
p-Isopropyltoluene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	99-87-6	
Methylene chloride	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.4**	ug/kg	10.9	5.4	1		01/31/18 13:29	108-10-1	
Methyl-tert-butyl ether	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	1634-04-4	
Naphthalene	**<5.4**	ug/kg	10.9	5.4	1		01/31/18 13:29	91-20-3	
n-Propylbenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	103-65-1	
Styrene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	79-34-5	
Tetrachloroethene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	127-18-4	
Toluene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	108-88-3	
1,2,3-Trichlorobenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	87-61-6	
1,2,4-Trichlorobenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	120-82-1	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-2 (3-5) **Lab ID: 60262572004** Collected: 01/22/18 15:30 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	71-55-6	
1,1,2-Trichloroethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	79-00-5	
Trichloroethene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	79-01-6	
Trichlorofluoromethane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	75-69-4	
1,2,3-Trichloropropane	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	96-18-4	
1,2,4-Trimethylbenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	95-63-6	
1,3,5-Trimethylbenzene	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	108-67-8	
Vinyl chloride	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	75-01-4	
Xylene (Total)	**<2.7**	ug/kg	5.4	2.7	1		01/31/18 13:29	1330-20-7	
Surrogates									
Toluene-d8 (S)	100	%	78-122		1		01/31/18 13:29	2037-26-5	
4-Bromofluorobenzene (S)	105	%	69-133		1		01/31/18 13:29	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	80-123		1		01/31/18 13:29	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**21.1**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.1**	Std. Units	0.10	0.10	1		01/30/18 10:40		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**498**	mg/kg	129	64.5	10	02/04/18 07:00	02/05/18 17:58	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**144**	mg/kg	12.6	6.3	10	02/05/18 16:00	02/06/18 00:41	14797-55-8	
Nitrite as N	**<6.3**	mg/kg	12.6	6.3	10	02/05/18 16:00	02/06/18 00:41	14797-65-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-3 (0-1) **Lab ID: 60262572005** Collected: 01/22/18 16:50 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.43**	ug/kg	1.2	0.43	1	01/25/18 16:25	01/29/18 19:40	309-00-2	
alpha-BHC	**<0.19**	ug/kg	1.2	0.19	1	01/25/18 16:25	01/29/18 19:40	319-84-6	
beta-BHC	**<0.64**	ug/kg	2.0	0.64	1	01/25/18 16:25	01/29/18 19:40	319-85-7	
delta-BHC	**<0.58**	ug/kg	1.7	0.58	1	01/25/18 16:25	01/29/18 19:40	319-86-8	
gamma-BHC (Lindane)	**<0.54**	ug/kg	1.7	0.54	1	01/25/18 16:25	01/29/18 19:40	58-89-9	
Chlordane (Technical)	**<33.9**	ug/kg	181	33.9	1	01/25/18 16:25	01/29/18 19:40	57-74-9	
alpha-Chlordane	**<0.48**	ug/kg	2.0	0.48	1	01/25/18 16:25	01/29/18 19:40	5103-71-9	
gamma-Chlordane	**<0.80**	ug/kg	2.0	0.80	1	01/25/18 16:25	01/29/18 19:40	5103-74-2	
4,4'-DDD	**<0.39**	ug/kg	1.2	0.39	1	01/25/18 16:25	01/29/18 19:40	72-54-8	
4,4'-DDE	**<0.38**	ug/kg	1.2	0.38	1	01/25/18 16:25	01/29/18 19:40	72-55-9	
4,4'-DDT	**<0.78**	ug/kg	1.7	0.78	1	01/25/18 16:25	01/29/18 19:40	50-29-3	
Dieldrin	**<0.52**	ug/kg	1.7	0.52	1	01/25/18 16:25	01/29/18 19:40	60-57-1	
Endosulfan I	**<0.56**	ug/kg	1.7	0.56	1	01/25/18 16:25	01/29/18 19:40	959-98-8	
Endosulfan II	**<0.39**	ug/kg	1.2	0.39	1	01/25/18 16:25	01/29/18 19:40	33213-65-9	
Endosulfan sulfate	**<0.55**	ug/kg	1.7	0.55	1	01/25/18 16:25	01/29/18 19:40	1031-07-8	
Endrin	**<0.56**	ug/kg	2.0	0.56	1	01/25/18 16:25	01/29/18 19:40	72-20-8	
Endrin aldehyde	**<0.56**	ug/kg	1.7	0.56	1	01/25/18 16:25	01/29/18 19:40	7421-93-4	
Endrin ketone	**<0.66**	ug/kg	2.4	0.66	1	01/25/18 16:25	01/29/18 19:40	53494-70-5	
Heptachlor	**<0.92**	ug/kg	2.4	0.92	1	01/25/18 16:25	01/29/18 19:40	76-44-8	
Heptachlor epoxide	**<2.4**	ug/kg	6.0	2.4	1	01/25/18 16:25	01/29/18 19:40	1024-57-3	
Methoxychlor	**<0.69**	ug/kg	2.4	0.69	1	01/25/18 16:25	01/29/18 19:40	72-43-5	
Toxaphene	**<62.5**	ug/kg	181	62.5	1	01/25/18 16:25	01/29/18 19:40	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	78	%.	70-130		1	01/25/18 16:25	01/29/18 19:40	877-09-8	
Decachlorobiphenyl (S)	72	%.	70-130		1	01/25/18 16:25	01/29/18 19:40	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<4.0**	ug/kg	8.0	4.0	1	01/25/18 16:25	01/31/18 23:41	22248-79-9	
Azinphos, methyl (Guthion)	**<4.0**	ug/kg	8.0	4.0	1	01/25/18 16:25	01/31/18 23:41	86-50-0	
Bolstar	**<4.0**	ug/kg	8.0	4.0	1	01/25/18 16:25	01/31/18 23:41	35400-43-2	
Chlorpyrifos	**<4.0**	ug/kg	8.0	4.0	1	01/25/18 16:25	01/31/18 23:41	2921-88-2	
Coumaphos	**<4.0**	ug/kg	8.0	4.0	1	01/25/18 16:25	01/31/18 23:41	56-72-4	
Diazinon	**<4.0**	ug/kg	8.0	4.0	1	01/25/18 16:25	01/31/18 23:41	333-41-5	
Dichlorvos	**<2.0**	ug/kg	4.0	2.0	1	01/25/18 16:25	01/31/18 23:41	62-73-7	
Dimethoate	**<4.0**	ug/kg	8.0	4.0	1	01/25/18 16:25	01/31/18 23:41	60-51-5	
Disulfoton	**<2.0**	ug/kg	4.0	2.0	1	01/25/18 16:25	01/31/18 23:41	298-04-4	
EPN (ENT)	**<2.6**	ug/kg	4.0	2.6	1	01/25/18 16:25	01/31/18 23:41	2104-64-5	
Ethoprop	**<2.0**	ug/kg	4.0	2.0	1	01/25/18 16:25	01/31/18 23:41	13194-48-4	
Fensulfothion	**<4.0**	ug/kg	8.0	4.0	1	01/25/18 16:25	01/31/18 23:41	115-90-2	
Fenthion	**<2.0**	ug/kg	4.0	2.0	1	01/25/18 16:25	01/31/18 23:41	55-38-9	
Malathion	**<4.0**	ug/kg	8.0	4.0	1	01/25/18 16:25	01/31/18 23:41	121-75-5	
Methyl parathion	**<2.0**	ug/kg	4.0	2.0	1	01/25/18 16:25	01/31/18 23:41	298-00-0	
Mevinphos	**<2.4**	ug/kg	4.0	2.4	1	01/25/18 16:25	01/31/18 23:41	7786-34-7	
Parathion (Ethyl parathion)	**<4.0**	ug/kg	8.0	4.0	1	01/25/18 16:25	01/31/18 23:41	56-38-2	
Phorate	**<2.0**	ug/kg	4.0	2.0	1	01/25/18 16:25	01/31/18 23:41	298-02-2	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-3 (0-1) **Lab ID: 60262572005** Collected: 01/22/18 16:50 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<2.0**	ug/kg	4.0	2.0	1	01/25/18 16:25	01/31/18 23:41	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<2.0**	ug/kg	4.0	2.0	1	01/25/18 16:25	01/31/18 23:41	3689-24-5	
Tokuthion (Prothiofos)	**<2.0**	ug/kg	4.0	2.0	1	01/25/18 16:25	01/31/18 23:41	34643-46-4	
Trichloronate	**<4.0**	ug/kg	8.0	4.0	1	01/25/18 16:25	01/31/18 23:41	327-98-0	
Total Demeton	**<3.3**	ug/kg	4.0	3.3	1	01/25/18 16:25	01/31/18 23:41	8065-48-3	N2
Total Merphos	**<4.0**	ug/kg	16.1	4.0	1	01/25/18 16:25	01/31/18 23:41	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	93	%.	11-137		1	01/25/18 16:25	01/31/18 23:41	115-86-6	
Tributylphosphate (S)	112	%.	17-125		1	01/25/18 16:25	01/31/18 23:41	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 16:11	94-75-7	
Dalapon	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 16:11	75-99-0	
2,4-DB	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 16:11	94-82-6	
Dicamba	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 16:11	1918-00-9	
Dichloroprop	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 16:11	15165-67-0	
Dinoseb	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 16:11	88-85-7	
MCPA	**<298**	ug/kg	298	298	1	01/29/18 16:21	01/30/18 16:11	94-74-6	
MCPP	**<298**	ug/kg	298	298	1	01/29/18 16:21	01/30/18 16:11	7085-19-0	
2,4,5-T	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 16:11	93-76-5	
2,4,5-TP (Silvex)	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 16:11	93-72-1	
Surrogates									
2,4-DCAA (S)	17	%.	10-188		1	01/29/18 16:21	01/30/18 16:11	19719-28-9	
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**8.5**	mg/kg	1.1	0.46	1	01/24/18 09:50	01/25/18 12:12	7440-38-2	
Barium	**264**	mg/kg	0.55	0.034	1	01/24/18 09:50	01/25/18 12:12	7440-39-3	
Cadmium	**1.3**	mg/kg	0.55	0.041	1	01/24/18 09:50	01/25/18 12:12	7440-43-9	
Chromium	**15.7**	mg/kg	0.55	0.11	1	01/24/18 09:50	01/25/18 12:12	7440-47-3	
Lead	**53.5**	mg/kg	0.55	0.23	1	01/24/18 09:50	01/25/18 12:12	7439-92-1	
Selenium	**0.93J**	mg/kg	1.7	0.83	1	01/24/18 09:50	01/25/18 12:12	7782-49-2	
Silver	**<0.18**	mg/kg	0.77	0.18	1	01/24/18 09:50	01/25/18 12:12	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.21**	mg/kg	0.055	0.0073	1	01/25/18 09:26	01/25/18 11:45	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<42.2**	ug/kg	398	42.2	1	01/24/18 15:00	01/26/18 15:40	83-32-9	
Acenaphthylene	**<37.4**	ug/kg	398	37.4	1	01/24/18 15:00	01/26/18 15:40	208-96-8	
Anthracene	**<42.2**	ug/kg	398	42.2	1	01/24/18 15:00	01/26/18 15:40	120-12-7	
Benzo(a)anthracene	**<36.2**	ug/kg	398	36.2	1	01/24/18 15:00	01/26/18 15:40	56-55-3	
Benzo(a)pyrene	**<31.4**	ug/kg	398	31.4	1	01/24/18 15:00	01/26/18 15:40	50-32-8	
Benzo(b)fluoranthene	**64.6J**	ug/kg	398	27.8	1	01/24/18 15:00	01/26/18 15:40	205-99-2	
Benzo(g,h,i)perylene	**<38.6**	ug/kg	398	38.6	1	01/24/18 15:00	01/26/18 15:40	191-24-2	
Benzo(k)fluoranthene	**<47.1**	ug/kg	398	47.1	1	01/24/18 15:00	01/26/18 15:40	207-08-9	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-3 (0-1) **Lab ID: 60262572005** Collected: 01/22/18 16:50 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<37.4**	ug/kg	2020	37.4	1	01/24/18 15:00	01/26/18 15:40	65-85-0	
Benzyl alcohol	**<124**	ug/kg	797	124	1	01/24/18 15:00	01/26/18 15:40	100-51-6	
4-Bromophenylphenyl ether	**<31.4**	ug/kg	398	31.4	1	01/24/18 15:00	01/26/18 15:40	101-55-3	
Butylbenzylphthalate	**<51.9**	ug/kg	398	51.9	1	01/24/18 15:00	01/26/18 15:40	85-68-7	
Carbazole	**<32.6**	ug/kg	398	32.6	1	01/24/18 15:00	01/26/18 15:40	86-74-8	
4-Chloro-3-methylphenol	**<43.5**	ug/kg	797	43.5	1	01/24/18 15:00	01/26/18 15:40	59-50-7	
4-Chloroaniline	**<78.5**	ug/kg	797	78.5	1	01/24/18 15:00	01/26/18 15:40	106-47-8	
bis(2-Chloroethoxy)methane	**<31.4**	ug/kg	398	31.4	1	01/24/18 15:00	01/26/18 15:40	111-91-1	
bis(2-Chloroethyl) ether	**<31.4**	ug/kg	398	31.4	1	01/24/18 15:00	01/26/18 15:40	111-44-4	
bis(2-Chloroisopropyl) ether	**<31.4**	ug/kg	398	31.4	1	01/24/18 15:00	01/26/18 15:40	39638-32-9	
2-Chloronaphthalene	**<33.8**	ug/kg	398	33.8	1	01/24/18 15:00	01/26/18 15:40	91-58-7	
2-Chlorophenol	**<32.6**	ug/kg	398	32.6	1	01/24/18 15:00	01/26/18 15:40	95-57-8	
4-Chlorophenylphenyl ether	**<38.6**	ug/kg	398	38.6	1	01/24/18 15:00	01/26/18 15:40	7005-72-3	
Chrysene	**<33.8**	ug/kg	398	33.8	1	01/24/18 15:00	01/26/18 15:40	218-01-9	
Dibenz(a,h)anthracene	**<36.2**	ug/kg	398	36.2	1	01/24/18 15:00	01/26/18 15:40	53-70-3	
Dibenzofuran	**<36.2**	ug/kg	398	36.2	1	01/24/18 15:00	01/26/18 15:40	132-64-9	
1,2-Dichlorobenzene	**<30.2**	ug/kg	398	30.2	1	01/24/18 15:00	01/26/18 15:40	95-50-1	
1,3-Dichlorobenzene	**<33.8**	ug/kg	398	33.8	1	01/24/18 15:00	01/26/18 15:40	541-73-1	
1,4-Dichlorobenzene	**<35.0**	ug/kg	398	35.0	1	01/24/18 15:00	01/26/18 15:40	106-46-7	
3,3'-Dichlorobenzidine	**<136**	ug/kg	797	136	1	01/24/18 15:00	01/26/18 15:40	91-94-1	
2,4-Dichlorophenol	**<36.2**	ug/kg	398	36.2	1	01/24/18 15:00	01/26/18 15:40	120-83-2	
Diethylphthalate	**<37.4**	ug/kg	398	37.4	1	01/24/18 15:00	01/26/18 15:40	84-66-2	
2,4-Dimethylphenol	**<21.7**	ug/kg	398	21.7	1	01/24/18 15:00	01/26/18 15:40	105-67-9	
Dimethylphthalate	**<38.6**	ug/kg	398	38.6	1	01/24/18 15:00	01/26/18 15:40	131-11-3	
Di-n-butylphthalate	**<42.2**	ug/kg	398	42.2	1	01/24/18 15:00	01/26/18 15:40	84-74-2	
4,6-Dinitro-2-methylphenol	**<53.1**	ug/kg	2020	53.1	1	01/24/18 15:00	01/26/18 15:40	534-52-1	
2,4-Dinitrophenol	**<57.9**	ug/kg	2020	57.9	1	01/24/18 15:00	01/26/18 15:40	51-28-5	
2,4-Dinitrotoluene	**<33.8**	ug/kg	398	33.8	1	01/24/18 15:00	01/26/18 15:40	121-14-2	
2,6-Dinitrotoluene	**<41.0**	ug/kg	398	41.0	1	01/24/18 15:00	01/26/18 15:40	606-20-2	
Di-n-octylphthalate	**<47.1**	ug/kg	398	47.1	1	01/24/18 15:00	01/26/18 15:40	117-84-0	
bis(2-Ethylhexyl)phthalate	**<138**	ug/kg	398	138	1	01/24/18 15:00	01/26/18 15:40	117-81-7	
Fluoranthene	**56.4J**	ug/kg	398	37.4	1	01/24/18 15:00	01/26/18 15:40	206-44-0	
Fluorene	**<37.4**	ug/kg	398	37.4	1	01/24/18 15:00	01/26/18 15:40	86-73-7	
Hexachloro-1,3-butadiene	**<39.8**	ug/kg	398	39.8	1	01/24/18 15:00	01/26/18 15:40	87-68-3	
Hexachlorobenzene	**<38.6**	ug/kg	398	38.6	1	01/24/18 15:00	01/26/18 15:40	118-74-1	
Hexachlorocyclopentadiene	**<84.5**	ug/kg	398	84.5	1	01/24/18 15:00	01/26/18 15:40	77-47-4	
Hexachloroethane	**<30.2**	ug/kg	398	30.2	1	01/24/18 15:00	01/26/18 15:40	67-72-1	
Indeno(1,2,3-cd)pyrene	**<43.5**	ug/kg	398	43.5	1	01/24/18 15:00	01/26/18 15:40	193-39-5	
Isophorone	**<36.2**	ug/kg	398	36.2	1	01/24/18 15:00	01/26/18 15:40	78-59-1	
2-Methylnaphthalene	**<29.0**	ug/kg	398	29.0	1	01/24/18 15:00	01/26/18 15:40	91-57-6	
2-Methylphenol(o-Cresol)	**<37.4**	ug/kg	398	37.4	1	01/24/18 15:00	01/26/18 15:40	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<43.5**	ug/kg	398	43.5	1	01/24/18 15:00	01/26/18 15:40		
Naphthalene	**<31.4**	ug/kg	398	31.4	1	01/24/18 15:00	01/26/18 15:40	91-20-3	
2-Nitroaniline	**<67.6**	ug/kg	797	67.6	1	01/24/18 15:00	01/26/18 15:40	88-74-4	
3-Nitroaniline	**<121**	ug/kg	797	121	1	01/24/18 15:00	01/26/18 15:40	99-09-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-3 (0-1) **Lab ID: 60262572005** Collected: 01/22/18 16:50 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<103**	ug/kg	797	103	1	01/24/18 15:00	01/26/18 15:40	100-01-6	
Nitrobenzene	**<37.4**	ug/kg	398	37.4	1	01/24/18 15:00	01/26/18 15:40	98-95-3	
2-Nitrophenol	**<55.5**	ug/kg	398	55.5	1	01/24/18 15:00	01/26/18 15:40	88-75-5	
4-Nitrophenol	**<62.8**	ug/kg	2020	62.8	1	01/24/18 15:00	01/26/18 15:40	100-02-7	
N-Nitroso-di-n-propylamine	**<39.8**	ug/kg	398	39.8	1	01/24/18 15:00	01/26/18 15:40	621-64-7	
N-Nitrosodiphenylamine	**<31.4**	ug/kg	398	31.4	1	01/24/18 15:00	01/26/18 15:40	86-30-6	
Pentachlorophenol	**<37.4**	ug/kg	2020	37.4	1	01/24/18 15:00	01/26/18 15:40	87-86-5	
Phenanthrene	**<37.4**	ug/kg	398	37.4	1	01/24/18 15:00	01/26/18 15:40	85-01-8	
Phenol	**<31.4**	ug/kg	398	31.4	1	01/24/18 15:00	01/26/18 15:40	108-95-2	
Pyrene	**50.3J**	ug/kg	398	39.8	1	01/24/18 15:00	01/26/18 15:40	129-00-0	
Pyridine	**<32.6**	ug/kg	398	32.6	1	01/24/18 15:00	01/26/18 15:40	110-86-1	
1,2,4-Trichlorobenzene	**<36.2**	ug/kg	398	36.2	1	01/24/18 15:00	01/26/18 15:40	120-82-1	
2,4,5-Trichlorophenol	**<36.2**	ug/kg	398	36.2	1	01/24/18 15:00	01/26/18 15:40	95-95-4	
2,4,6-Trichlorophenol	**<37.4**	ug/kg	398	37.4	1	01/24/18 15:00	01/26/18 15:40	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	76	%	41-114		1	01/24/18 15:00	01/26/18 15:40	4165-60-0	
2-Fluorobiphenyl (S)	78	%	61-109		1	01/24/18 15:00	01/26/18 15:40	321-60-8	
Terphenyl-d14 (S)	82	%	48-120		1	01/24/18 15:00	01/26/18 15:40	1718-51-0	
Phenol-d6 (S)	76	%	48-102		1	01/24/18 15:00	01/26/18 15:40	13127-88-3	
2-Fluorophenol (S)	72	%	46-102		1	01/24/18 15:00	01/26/18 15:40	367-12-4	
2,4,6-Tribromophenol (S)	83	%	39-114		1	01/24/18 15:00	01/26/18 15:40	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**31.1**	mg/kg	18.2	1.5	1	01/24/18 15:00	01/31/18 06:13		B
TPH-DRO	**23.1**	mg/kg	18.2	1.5	1	01/24/18 15:00	01/31/18 06:13		
Surrogates									
Nitrobenzene-d5 (S)	78	%	41-114		1	01/24/18 15:00	01/31/18 06:13	4165-60-0	
2-Fluorobiphenyl (S)	76	%	61-109		1	01/24/18 15:00	01/31/18 06:13	321-60-8	
Terphenyl-d14 (S)	73	%	48-120		1	01/24/18 15:00	01/31/18 06:13	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.24**	mg/kg	0.48	0.24	1		01/31/18 13:45		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**<9.5**	ug/kg	19.1	9.5	1		01/31/18 13:45	67-64-1	
Benzene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	71-43-2	
Bromobenzene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	108-86-1	
Bromochloromethane	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	74-97-5	
Bromodichloromethane	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	75-27-4	
Bromoform	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	75-25-2	
Bromomethane	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	74-83-9	
2-Butanone (MEK)	**<4.8**	ug/kg	9.5	4.8	1		01/31/18 13:45	78-93-3	
n-Butylbenzene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	104-51-8	
sec-Butylbenzene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	135-98-8	
tert-Butylbenzene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	98-06-6	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-3 (0-1) **Lab ID: 60262572005** Collected: 01/22/18 16:50 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	75-15-0	
Carbon tetrachloride	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	56-23-5	
Chlorobenzene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	108-90-7	
Chloroethane	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	75-00-3	
Chloroform	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	67-66-3	
Chloromethane	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	74-87-3	
2-Chlorotoluene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	95-49-8	
4-Chlorotoluene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	106-43-4	
1,2-Dibromo-3-chloropropane	**<4.8**	ug/kg	9.5	4.8	1		01/31/18 13:45	96-12-8	
Dibromochloromethane	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	124-48-1	
1,2-Dibromoethane (EDB)	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	106-93-4	
Dibromomethane	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	74-95-3	
1,2-Dichlorobenzene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	95-50-1	
1,3-Dichlorobenzene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	541-73-1	
1,4-Dichlorobenzene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	106-46-7	
Dichlorodifluoromethane	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	75-71-8	
1,1-Dichloroethane	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	75-34-3	
1,2-Dichloroethane	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	107-06-2	
1,2-Dichloroethene (Total)	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	540-59-0	
1,1-Dichloroethene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	75-35-4	
cis-1,2-Dichloroethene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	156-59-2	
trans-1,2-Dichloroethene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	156-60-5	L2
1,2-Dichloropropane	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	78-87-5	
1,3-Dichloropropane	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	142-28-9	
2,2-Dichloropropane	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	594-20-7	
1,1-Dichloropropene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	563-58-6	
cis-1,3-Dichloropropene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	10061-01-5	
trans-1,3-Dichloropropene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	10061-02-6	
Ethylbenzene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	100-41-4	
Hexachloro-1,3-butadiene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	87-68-3	
2-Hexanone	**<9.5**	ug/kg	19.1	9.5	1		01/31/18 13:45	591-78-6	
Isopropylbenzene (Cumene)	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	98-82-8	
p-Isopropyltoluene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	99-87-6	
Methylene chloride	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<4.8**	ug/kg	9.5	4.8	1		01/31/18 13:45	108-10-1	
Methyl-tert-butyl ether	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	1634-04-4	
Naphthalene	**<4.8**	ug/kg	9.5	4.8	1		01/31/18 13:45	91-20-3	
n-Propylbenzene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	103-65-1	
Styrene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	79-34-5	
Tetrachloroethene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	127-18-4	
Toluene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	108-88-3	
1,2,3-Trichlorobenzene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	87-61-6	
1,2,4-Trichlorobenzene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	120-82-1	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-3 (0-1) **Lab ID: 60262572005** Collected: 01/22/18 16:50 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	71-55-6	
1,1,2-Trichloroethane	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	79-00-5	
Trichloroethene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	79-01-6	
Trichlorofluoromethane	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	75-69-4	
1,2,3-Trichloropropane	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	96-18-4	
1,2,4-Trimethylbenzene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	95-63-6	
1,3,5-Trimethylbenzene	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	108-67-8	
Vinyl chloride	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	75-01-4	
Xylene (Total)	**<2.4**	ug/kg	4.8	2.4	1		01/31/18 13:45	1330-20-7	
Surrogates									
Toluene-d8 (S)	99	%	78-122		1		01/31/18 13:45	2037-26-5	
4-Bromofluorobenzene (S)	103	%	69-133		1		01/31/18 13:45	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	80-123		1		01/31/18 13:45	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**17.7**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**9.3**	Std. Units	0.10	0.10	1		01/30/18 10:40		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**388**	mg/kg	120	59.9	10	02/04/18 07:00	02/05/18 18:12	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**104**	mg/kg	12.1	6.0	10	02/05/18 16:00	02/06/18 00:55	14797-55-8	
Nitrite as N	**<6.0**	mg/kg	12.1	6.0	10	02/05/18 16:00	02/06/18 00:55	14797-65-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-3 (3-5) **Lab ID: 60262572006** Collected: 01/22/18 17:00 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.44**	ug/kg	1.2	0.44	1	01/25/18 16:25	01/29/18 19:55	309-00-2	
alpha-BHC	**<0.20**	ug/kg	1.2	0.20	1	01/25/18 16:25	01/29/18 19:55	319-84-6	
beta-BHC	**<0.66**	ug/kg	2.1	0.66	1	01/25/18 16:25	01/29/18 19:55	319-85-7	
delta-BHC	**<0.59**	ug/kg	1.7	0.59	1	01/25/18 16:25	01/29/18 19:55	319-86-8	
gamma-BHC (Lindane)	**<0.56**	ug/kg	1.7	0.56	1	01/25/18 16:25	01/29/18 19:55	58-89-9	
Chlordane (Technical)	**<35.0**	ug/kg	187	35.0	1	01/25/18 16:25	01/29/18 19:55	57-74-9	
alpha-Chlordane	**<0.50**	ug/kg	2.1	0.50	1	01/25/18 16:25	01/29/18 19:55	5103-71-9	
gamma-Chlordane	**<0.83**	ug/kg	2.1	0.83	1	01/25/18 16:25	01/29/18 19:55	5103-74-2	
4,4'-DDD	**<0.41**	ug/kg	1.2	0.41	1	01/25/18 16:25	01/29/18 19:55	72-54-8	
4,4'-DDE	**<0.39**	ug/kg	1.2	0.39	1	01/25/18 16:25	01/29/18 19:55	72-55-9	
4,4'-DDT	**<0.80**	ug/kg	1.7	0.80	1	01/25/18 16:25	01/29/18 19:55	50-29-3	
Dieldrin	**<0.54**	ug/kg	1.7	0.54	1	01/25/18 16:25	01/29/18 19:55	60-57-1	
Endosulfan I	**<0.58**	ug/kg	1.7	0.58	1	01/25/18 16:25	01/29/18 19:55	959-98-8	
Endosulfan II	**<0.40**	ug/kg	1.2	0.40	1	01/25/18 16:25	01/29/18 19:55	33213-65-9	
Endosulfan sulfate	**<0.57**	ug/kg	1.7	0.57	1	01/25/18 16:25	01/29/18 19:55	1031-07-8	
Endrin	**<0.58**	ug/kg	2.1	0.58	1	01/25/18 16:25	01/29/18 19:55	72-20-8	
Endrin aldehyde	**<0.58**	ug/kg	1.7	0.58	1	01/25/18 16:25	01/29/18 19:55	7421-93-4	
Endrin ketone	**<0.68**	ug/kg	2.5	0.68	1	01/25/18 16:25	01/29/18 19:55	53494-70-5	
Heptachlor	**<0.95**	ug/kg	2.5	0.95	1	01/25/18 16:25	01/29/18 19:55	76-44-8	
Heptachlor epoxide	**<2.5**	ug/kg	6.2	2.5	1	01/25/18 16:25	01/29/18 19:55	1024-57-3	
Methoxychlor	**<0.72**	ug/kg	2.5	0.72	1	01/25/18 16:25	01/29/18 19:55	72-43-5	
Toxaphene	**<64.5**	ug/kg	187	64.5	1	01/25/18 16:25	01/29/18 19:55	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	75	%.	70-130		1	01/25/18 16:25	01/29/18 19:55	877-09-8	
Decachlorobiphenyl (S)	72	%.	70-130		1	01/25/18 16:25	01/29/18 19:55	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<4.1**	ug/kg	8.3	4.1	1	01/25/18 16:25	02/01/18 00:08	22248-79-9	
Azinphos, methyl (Guthion)	**<4.1**	ug/kg	8.3	4.1	1	01/25/18 16:25	02/01/18 00:08	86-50-0	
Bolstar	**<4.1**	ug/kg	8.3	4.1	1	01/25/18 16:25	02/01/18 00:08	35400-43-2	
Chlorpyrifos	**<4.1**	ug/kg	8.3	4.1	1	01/25/18 16:25	02/01/18 00:08	2921-88-2	
Coumaphos	**<4.1**	ug/kg	8.3	4.1	1	01/25/18 16:25	02/01/18 00:08	56-72-4	
Diazinon	**<4.1**	ug/kg	8.3	4.1	1	01/25/18 16:25	02/01/18 00:08	333-41-5	
Dichlorvos	**<2.1**	ug/kg	4.1	2.1	1	01/25/18 16:25	02/01/18 00:08	62-73-7	
Dimethoate	**<4.1**	ug/kg	8.3	4.1	1	01/25/18 16:25	02/01/18 00:08	60-51-5	
Disulfoton	**<2.1**	ug/kg	4.1	2.1	1	01/25/18 16:25	02/01/18 00:08	298-04-4	
EPN (ENT)	**<2.6**	ug/kg	4.1	2.6	1	01/25/18 16:25	02/01/18 00:08	2104-64-5	
Ethoprop	**<2.1**	ug/kg	4.1	2.1	1	01/25/18 16:25	02/01/18 00:08	13194-48-4	
Fensulfothion	**<4.1**	ug/kg	8.3	4.1	1	01/25/18 16:25	02/01/18 00:08	115-90-2	
Fenthion	**<2.1**	ug/kg	4.1	2.1	1	01/25/18 16:25	02/01/18 00:08	55-38-9	
Malathion	**<4.1**	ug/kg	8.3	4.1	1	01/25/18 16:25	02/01/18 00:08	121-75-5	
Methyl parathion	**<2.1**	ug/kg	4.1	2.1	1	01/25/18 16:25	02/01/18 00:08	298-00-0	
Mevinphos	**<2.5**	ug/kg	4.1	2.5	1	01/25/18 16:25	02/01/18 00:08	7786-34-7	
Parathion (Ethyl parathion)	**<4.1**	ug/kg	8.3	4.1	1	01/25/18 16:25	02/01/18 00:08	56-38-2	
Phorate	**<2.1**	ug/kg	4.1	2.1	1	01/25/18 16:25	02/01/18 00:08	298-02-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-3 (3-5) **Lab ID: 60262572006** Collected: 01/22/18 17:00 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<2.1**	ug/kg	4.1	2.1	1	01/25/18 16:25	02/01/18 00:08	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<2.1**	ug/kg	4.1	2.1	1	01/25/18 16:25	02/01/18 00:08	3689-24-5	
Tokuthion (Prothiofos)	**<2.1**	ug/kg	4.1	2.1	1	01/25/18 16:25	02/01/18 00:08	34643-46-4	
Trichloronate	**<4.1**	ug/kg	8.3	4.1	1	01/25/18 16:25	02/01/18 00:08	327-98-0	
Total Demeton	**<3.4**	ug/kg	4.1	3.4	1	01/25/18 16:25	02/01/18 00:08	8065-48-3	N2
Total Merphos	**<4.1**	ug/kg	16.6	4.1	1	01/25/18 16:25	02/01/18 00:08	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	83	%.	11-137		1	01/25/18 16:25	02/01/18 00:08	115-86-6	
Tributylphosphate (S)	116	%.	17-125		1	01/25/18 16:25	02/01/18 00:08	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 16:36	94-75-7	
Dalapon	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 16:36	75-99-0	
2,4-DB	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 16:36	94-82-6	
Dicamba	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 16:36	1918-00-9	
Dichloroprop	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 16:36	15165-67-0	
Dinoseb	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 16:36	88-85-7	
MCPA	**<311**	ug/kg	311	311	1	01/29/18 16:21	01/30/18 16:36	94-74-6	
MCPP	**<311**	ug/kg	311	311	1	01/29/18 16:21	01/30/18 16:36	7085-19-0	
2,4,5-T	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 16:36	93-76-5	
2,4,5-TP (Silvex)	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 16:36	93-72-1	
Surrogates									
2,4-DCAA (S)	7	%.	10-188		1	01/29/18 16:21	01/30/18 16:36	19719-28-9	S1
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**6.9**	mg/kg	1.2	0.48	1	01/24/18 09:50	01/25/18 12:19	7440-38-2	
Barium	**214**	mg/kg	0.58	0.036	1	01/24/18 09:50	01/25/18 12:19	7440-39-3	
Cadmium	**0.42J**	mg/kg	0.58	0.043	1	01/24/18 09:50	01/25/18 12:19	7440-43-9	
Chromium	**16.1**	mg/kg	0.58	0.12	1	01/24/18 09:50	01/25/18 12:19	7440-47-3	
Lead	**21.2**	mg/kg	0.58	0.24	1	01/24/18 09:50	01/25/18 12:19	7439-92-1	
Selenium	**0.95J**	mg/kg	1.7	0.87	1	01/24/18 09:50	01/25/18 12:19	7782-49-2	
Silver	**<0.19**	mg/kg	0.82	0.19	1	01/24/18 09:50	01/25/18 12:19	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**2.7**	mg/kg	0.30	0.040	5	01/25/18 09:26	01/25/18 12:39	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<43.5**	ug/kg	410	43.5	1	01/24/18 15:00	01/26/18 16:01	83-32-9	
Acenaphthylene	**<38.5**	ug/kg	410	38.5	1	01/24/18 15:00	01/26/18 16:01	208-96-8	
Anthracene	**<43.5**	ug/kg	410	43.5	1	01/24/18 15:00	01/26/18 16:01	120-12-7	
Benzo(a)anthracene	**<37.3**	ug/kg	410	37.3	1	01/24/18 15:00	01/26/18 16:01	56-55-3	
Benzo(a)pyrene	**<32.3**	ug/kg	410	32.3	1	01/24/18 15:00	01/26/18 16:01	50-32-8	
Benzo(b)fluoranthene	**<28.6**	ug/kg	410	28.6	1	01/24/18 15:00	01/26/18 16:01	205-99-2	
Benzo(g,h,i)perylene	**<39.8**	ug/kg	410	39.8	1	01/24/18 15:00	01/26/18 16:01	191-24-2	
Benzo(k)fluoranthene	**<48.5**	ug/kg	410	48.5	1	01/24/18 15:00	01/26/18 16:01	207-08-9	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-3 (3-5) **Lab ID: 60262572006** Collected: 01/22/18 17:00 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**206J**	ug/kg	2080	38.5	1	01/24/18 15:00	01/26/18 16:01	65-85-0	
Benzyl alcohol	**<128**	ug/kg	820	128	1	01/24/18 15:00	01/26/18 16:01	100-51-6	
4-Bromophenylphenyl ether	**<32.3**	ug/kg	410	32.3	1	01/24/18 15:00	01/26/18 16:01	101-55-3	
Butylbenzylphthalate	**<53.5**	ug/kg	410	53.5	1	01/24/18 15:00	01/26/18 16:01	85-68-7	
Carbazole	**<33.6**	ug/kg	410	33.6	1	01/24/18 15:00	01/26/18 16:01	86-74-8	
4-Chloro-3-methylphenol	**<44.8**	ug/kg	820	44.8	1	01/24/18 15:00	01/26/18 16:01	59-50-7	
4-Chloroaniline	**<80.8**	ug/kg	820	80.8	1	01/24/18 15:00	01/26/18 16:01	106-47-8	
bis(2-Chloroethoxy)methane	**<32.3**	ug/kg	410	32.3	1	01/24/18 15:00	01/26/18 16:01	111-91-1	
bis(2-Chloroethyl) ether	**<32.3**	ug/kg	410	32.3	1	01/24/18 15:00	01/26/18 16:01	111-44-4	
bis(2-Chloroisopropyl) ether	**<32.3**	ug/kg	410	32.3	1	01/24/18 15:00	01/26/18 16:01	39638-32-9	
2-Chloronaphthalene	**<34.8**	ug/kg	410	34.8	1	01/24/18 15:00	01/26/18 16:01	91-58-7	
2-Chlorophenol	**<33.6**	ug/kg	410	33.6	1	01/24/18 15:00	01/26/18 16:01	95-57-8	
4-Chlorophenylphenyl ether	**<39.8**	ug/kg	410	39.8	1	01/24/18 15:00	01/26/18 16:01	7005-72-3	
Chrysene	**<34.8**	ug/kg	410	34.8	1	01/24/18 15:00	01/26/18 16:01	218-01-9	
Dibenz(a,h)anthracene	**<37.3**	ug/kg	410	37.3	1	01/24/18 15:00	01/26/18 16:01	53-70-3	
Dibenzofuran	**<37.3**	ug/kg	410	37.3	1	01/24/18 15:00	01/26/18 16:01	132-64-9	
1,2-Dichlorobenzene	**<31.1**	ug/kg	410	31.1	1	01/24/18 15:00	01/26/18 16:01	95-50-1	
1,3-Dichlorobenzene	**<34.8**	ug/kg	410	34.8	1	01/24/18 15:00	01/26/18 16:01	541-73-1	
1,4-Dichlorobenzene	**<36.0**	ug/kg	410	36.0	1	01/24/18 15:00	01/26/18 16:01	106-46-7	
3,3'-Dichlorobenzidine	**<140**	ug/kg	820	140	1	01/24/18 15:00	01/26/18 16:01	91-94-1	
2,4-Dichlorophenol	**<37.3**	ug/kg	410	37.3	1	01/24/18 15:00	01/26/18 16:01	120-83-2	
Diethylphthalate	**<38.5**	ug/kg	410	38.5	1	01/24/18 15:00	01/26/18 16:01	84-66-2	
2,4-Dimethylphenol	**<22.4**	ug/kg	410	22.4	1	01/24/18 15:00	01/26/18 16:01	105-67-9	
Dimethylphthalate	**<39.8**	ug/kg	410	39.8	1	01/24/18 15:00	01/26/18 16:01	131-11-3	
Di-n-butylphthalate	**<43.5**	ug/kg	410	43.5	1	01/24/18 15:00	01/26/18 16:01	84-74-2	
4,6-Dinitro-2-methylphenol	**<54.7**	ug/kg	2080	54.7	1	01/24/18 15:00	01/26/18 16:01	534-52-1	
2,4-Dinitrophenol	**<59.7**	ug/kg	2080	59.7	1	01/24/18 15:00	01/26/18 16:01	51-28-5	
2,4-Dinitrotoluene	**<34.8**	ug/kg	410	34.8	1	01/24/18 15:00	01/26/18 16:01	121-14-2	
2,6-Dinitrotoluene	**<42.3**	ug/kg	410	42.3	1	01/24/18 15:00	01/26/18 16:01	606-20-2	
Di-n-octylphthalate	**<48.5**	ug/kg	410	48.5	1	01/24/18 15:00	01/26/18 16:01	117-84-0	
bis(2-Ethylhexyl)phthalate	**<142**	ug/kg	410	142	1	01/24/18 15:00	01/26/18 16:01	117-81-7	
Fluoranthene	**<38.5**	ug/kg	410	38.5	1	01/24/18 15:00	01/26/18 16:01	206-44-0	
Fluorene	**<38.5**	ug/kg	410	38.5	1	01/24/18 15:00	01/26/18 16:01	86-73-7	
Hexachloro-1,3-butadiene	**<41.0**	ug/kg	410	41.0	1	01/24/18 15:00	01/26/18 16:01	87-68-3	
Hexachlorobenzene	**<39.8**	ug/kg	410	39.8	1	01/24/18 15:00	01/26/18 16:01	118-74-1	
Hexachlorocyclopentadiene	**<87.0**	ug/kg	410	87.0	1	01/24/18 15:00	01/26/18 16:01	77-47-4	
Hexachloroethane	**<31.1**	ug/kg	410	31.1	1	01/24/18 15:00	01/26/18 16:01	67-72-1	
Indeno(1,2,3-cd)pyrene	**<44.8**	ug/kg	410	44.8	1	01/24/18 15:00	01/26/18 16:01	193-39-5	
Isophorone	**<37.3**	ug/kg	410	37.3	1	01/24/18 15:00	01/26/18 16:01	78-59-1	
2-Methylnaphthalene	**<29.8**	ug/kg	410	29.8	1	01/24/18 15:00	01/26/18 16:01	91-57-6	
2-Methylphenol(o-Cresol)	**<38.5**	ug/kg	410	38.5	1	01/24/18 15:00	01/26/18 16:01	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<44.8**	ug/kg	410	44.8	1	01/24/18 15:00	01/26/18 16:01		
Naphthalene	**<32.3**	ug/kg	410	32.3	1	01/24/18 15:00	01/26/18 16:01	91-20-3	
2-Nitroaniline	**<69.6**	ug/kg	820	69.6	1	01/24/18 15:00	01/26/18 16:01	88-74-4	
3-Nitroaniline	**<124**	ug/kg	820	124	1	01/24/18 15:00	01/26/18 16:01	99-09-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-3 (3-5) **Lab ID: 60262572006** Collected: 01/22/18 17:00 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<106**	ug/kg	820	106	1	01/24/18 15:00	01/26/18 16:01	100-01-6	
Nitrobenzene	**<38.5**	ug/kg	410	38.5	1	01/24/18 15:00	01/26/18 16:01	98-95-3	
2-Nitrophenol	**<57.2**	ug/kg	410	57.2	1	01/24/18 15:00	01/26/18 16:01	88-75-5	
4-Nitrophenol	**<64.6**	ug/kg	2080	64.6	1	01/24/18 15:00	01/26/18 16:01	100-02-7	
N-Nitroso-di-n-propylamine	**<41.0**	ug/kg	410	41.0	1	01/24/18 15:00	01/26/18 16:01	621-64-7	
N-Nitrosodiphenylamine	**<32.3**	ug/kg	410	32.3	1	01/24/18 15:00	01/26/18 16:01	86-30-6	
Pentachlorophenol	**<38.5**	ug/kg	2080	38.5	1	01/24/18 15:00	01/26/18 16:01	87-86-5	
Phenanthrene	**<38.5**	ug/kg	410	38.5	1	01/24/18 15:00	01/26/18 16:01	85-01-8	
Phenol	**<32.3**	ug/kg	410	32.3	1	01/24/18 15:00	01/26/18 16:01	108-95-2	
Pyrene	**<41.0**	ug/kg	410	41.0	1	01/24/18 15:00	01/26/18 16:01	129-00-0	
Pyridine	**<33.6**	ug/kg	410	33.6	1	01/24/18 15:00	01/26/18 16:01	110-86-1	
1,2,4-Trichlorobenzene	**<37.3**	ug/kg	410	37.3	1	01/24/18 15:00	01/26/18 16:01	120-82-1	
2,4,5-Trichlorophenol	**<37.3**	ug/kg	410	37.3	1	01/24/18 15:00	01/26/18 16:01	95-95-4	
2,4,6-Trichlorophenol	**<38.5**	ug/kg	410	38.5	1	01/24/18 15:00	01/26/18 16:01	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	69	%	41-114		1	01/24/18 15:00	01/26/18 16:01	4165-60-0	
2-Fluorobiphenyl (S)	74	%	61-109		1	01/24/18 15:00	01/26/18 16:01	321-60-8	
Terphenyl-d14 (S)	79	%	48-120		1	01/24/18 15:00	01/26/18 16:01	1718-51-0	
Phenol-d6 (S)	71	%	48-102		1	01/24/18 15:00	01/26/18 16:01	13127-88-3	
2-Fluorophenol (S)	68	%	46-102		1	01/24/18 15:00	01/26/18 16:01	367-12-4	
2,4,6-Tribromophenol (S)	89	%	39-114		1	01/24/18 15:00	01/26/18 16:01	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**18.3**	mg/kg	18.0	1.4	1	01/24/18 15:00	01/31/18 06:34		B
TPH-DRO	**1.7J**	mg/kg	18.0	1.4	1	01/24/18 15:00	01/31/18 06:34		
Surrogates									
Nitrobenzene-d5 (S)	87	%	41-114		1	01/24/18 15:00	01/31/18 06:34	4165-60-0	
2-Fluorobiphenyl (S)	86	%	61-109		1	01/24/18 15:00	01/31/18 06:34	321-60-8	
Terphenyl-d14 (S)	80	%	48-120		1	01/24/18 15:00	01/31/18 06:34	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.29**	mg/kg	0.59	0.29	1		01/31/18 14:01		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**240**	ug/kg	23.4	11.7	1		01/31/18 14:01	67-64-1	
Benzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	71-43-2	
Bromobenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	108-86-1	
Bromochloromethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	74-97-5	
Bromodichloromethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	75-27-4	
Bromoform	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	75-25-2	
Bromomethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	74-83-9	
2-Butanone (MEK)	**18.1**	ug/kg	11.7	5.9	1		01/31/18 14:01	78-93-3	
n-Butylbenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	104-51-8	
sec-Butylbenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	135-98-8	
tert-Butylbenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	98-06-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-3 (3-5) **Lab ID: 60262572006** Collected: 01/22/18 17:00 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	75-15-0	
Carbon tetrachloride	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	56-23-5	
Chlorobenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	108-90-7	
Chloroethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	75-00-3	
Chloroform	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	67-66-3	
Chloromethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	74-87-3	
2-Chlorotoluene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	95-49-8	
4-Chlorotoluene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.9**	ug/kg	11.7	5.9	1		01/31/18 14:01	96-12-8	
Dibromochloromethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	124-48-1	
1,2-Dibromoethane (EDB)	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	106-93-4	
Dibromomethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	74-95-3	
1,2-Dichlorobenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	95-50-1	
1,3-Dichlorobenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	541-73-1	
1,4-Dichlorobenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	106-46-7	
Dichlorodifluoromethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	75-71-8	
1,1-Dichloroethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	75-34-3	
1,2-Dichloroethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	107-06-2	
1,2-Dichloroethene (Total)	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	540-59-0	
1,1-Dichloroethene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	75-35-4	
cis-1,2-Dichloroethene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	156-59-2	
trans-1,2-Dichloroethene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	156-60-5	L2
1,2-Dichloropropane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	78-87-5	
1,3-Dichloropropane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	142-28-9	
2,2-Dichloropropane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	594-20-7	
1,1-Dichloropropene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	563-58-6	
cis-1,3-Dichloropropene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	10061-01-5	
trans-1,3-Dichloropropene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	10061-02-6	
Ethylbenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	100-41-4	
Hexachloro-1,3-butadiene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	87-68-3	
2-Hexanone	**<11.7**	ug/kg	23.4	11.7	1		01/31/18 14:01	591-78-6	
Isopropylbenzene (Cumene)	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	98-82-8	
p-Isopropyltoluene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	99-87-6	
Methylene chloride	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.9**	ug/kg	11.7	5.9	1		01/31/18 14:01	108-10-1	
Methyl-tert-butyl ether	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	1634-04-4	
Naphthalene	**<5.9**	ug/kg	11.7	5.9	1		01/31/18 14:01	91-20-3	
n-Propylbenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	103-65-1	
Styrene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	79-34-5	
Tetrachloroethene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	127-18-4	
Toluene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	108-88-3	
1,2,3-Trichlorobenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	87-61-6	
1,2,4-Trichlorobenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	120-82-1	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-3 (3-5) **Lab ID: 60262572006** Collected: 01/22/18 17:00 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	71-55-6	
1,1,2-Trichloroethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	79-00-5	
Trichloroethene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	79-01-6	
Trichlorofluoromethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	75-69-4	
1,2,3-Trichloropropane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	96-18-4	
1,2,4-Trimethylbenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	95-63-6	
1,3,5-Trimethylbenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	108-67-8	
Vinyl chloride	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	75-01-4	
Xylene (Total)	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:01	1330-20-7	
Surrogates									
Toluene-d8 (S)	99	%	78-122		1		01/31/18 14:01	2037-26-5	
4-Bromofluorobenzene (S)	106	%	69-133		1		01/31/18 14:01	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	80-123		1		01/31/18 14:01	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**20.5**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**9.0**	Std. Units	0.10	0.10	1		01/30/18 10:40		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**1660**	mg/kg	127	63.3	10	02/04/18 07:00	02/05/18 18:53	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**124**	mg/kg	12.7	6.4	10	02/05/18 16:00	02/06/18 00:42	14797-55-8	
Nitrite as N	**<6.4**	mg/kg	12.7	6.4	10	02/05/18 16:00	02/06/18 00:42	14797-65-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-2 (12-14) **Lab ID: 60262572007** Collected: 01/22/18 15:50 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.48**	ug/kg	1.3	0.48	1	01/25/18 16:25	01/29/18 20:09	309-00-2	
alpha-BHC	**<0.21**	ug/kg	1.3	0.21	1	01/25/18 16:25	01/29/18 20:09	319-84-6	
beta-BHC	**<0.71**	ug/kg	2.2	0.71	1	01/25/18 16:25	01/29/18 20:09	319-85-7	
delta-BHC	**<0.64**	ug/kg	1.9	0.64	1	01/25/18 16:25	01/29/18 20:09	319-86-8	
gamma-BHC (Lindane)	**<0.60**	ug/kg	1.9	0.60	1	01/25/18 16:25	01/29/18 20:09	58-89-9	
Chlordane (Technical)	**<37.8**	ug/kg	202	37.8	1	01/25/18 16:25	01/29/18 20:09	57-74-9	
alpha-Chlordane	**<0.53**	ug/kg	2.2	0.53	1	01/25/18 16:25	01/29/18 20:09	5103-71-9	
gamma-Chlordane	**<0.89**	ug/kg	2.2	0.89	1	01/25/18 16:25	01/29/18 20:09	5103-74-2	
4,4'-DDD	**<0.44**	ug/kg	1.3	0.44	1	01/25/18 16:25	01/29/18 20:09	72-54-8	
4,4'-DDE	**<0.42**	ug/kg	1.3	0.42	1	01/25/18 16:25	01/29/18 20:09	72-55-9	
4,4'-DDT	**<0.87**	ug/kg	1.9	0.87	1	01/25/18 16:25	01/29/18 20:09	50-29-3	
Dieldrin	**<0.58**	ug/kg	1.9	0.58	1	01/25/18 16:25	01/29/18 20:09	60-57-1	
Endosulfan I	**<0.62**	ug/kg	1.9	0.62	1	01/25/18 16:25	01/29/18 20:09	959-98-8	
Endosulfan II	**<0.43**	ug/kg	1.3	0.43	1	01/25/18 16:25	01/29/18 20:09	33213-65-9	
Endosulfan sulfate	**<0.62**	ug/kg	1.9	0.62	1	01/25/18 16:25	01/29/18 20:09	1031-07-8	
Endrin	**<0.62**	ug/kg	2.2	0.62	1	01/25/18 16:25	01/29/18 20:09	72-20-8	
Endrin aldehyde	**<0.62**	ug/kg	1.9	0.62	1	01/25/18 16:25	01/29/18 20:09	7421-93-4	
Endrin ketone	**<0.74**	ug/kg	2.7	0.74	1	01/25/18 16:25	01/29/18 20:09	53494-70-5	
Heptachlor	**<1.0**	ug/kg	2.7	1.0	1	01/25/18 16:25	01/29/18 20:09	76-44-8	
Heptachlor epoxide	**<2.7**	ug/kg	6.7	2.7	1	01/25/18 16:25	01/29/18 20:09	1024-57-3	
Methoxychlor	**<0.77**	ug/kg	2.7	0.77	1	01/25/18 16:25	01/29/18 20:09	72-43-5	
Toxaphene	**<69.7**	ug/kg	202	69.7	1	01/25/18 16:25	01/29/18 20:09	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	79	%.	70-130		1	01/25/18 16:25	01/29/18 20:09	877-09-8	
Decachlorobiphenyl (S)	81	%.	70-130		1	01/25/18 16:25	01/29/18 20:09	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<4.5**	ug/kg	8.9	4.5	1	01/25/18 16:25	02/01/18 21:06	22248-79-9	
Azinphos, methyl (Guthion)	**<4.5**	ug/kg	8.9	4.5	1	01/25/18 16:25	02/01/18 21:06	86-50-0	
Bolstar	**<4.5**	ug/kg	8.9	4.5	1	01/25/18 16:25	02/01/18 21:06	35400-43-2	
Chlorpyrifos	**<4.5**	ug/kg	8.9	4.5	1	01/25/18 16:25	02/01/18 21:06	2921-88-2	
Coumaphos	**<4.5**	ug/kg	8.9	4.5	1	01/25/18 16:25	02/01/18 21:06	56-72-4	
Diazinon	**<4.5**	ug/kg	8.9	4.5	1	01/25/18 16:25	02/01/18 21:06	333-41-5	
Dichlorvos	**<2.2**	ug/kg	4.5	2.2	1	01/25/18 16:25	02/01/18 21:06	62-73-7	
Dimethoate	**<4.5**	ug/kg	8.9	4.5	1	01/25/18 16:25	02/01/18 21:06	60-51-5	
Disulfoton	**<2.2**	ug/kg	4.5	2.2	1	01/25/18 16:25	02/01/18 21:06	298-04-4	
EPN (ENT)	**<2.8**	ug/kg	4.5	2.8	1	01/25/18 16:25	02/01/18 21:06	2104-64-5	
Ethoprop	**<2.2**	ug/kg	4.5	2.2	1	01/25/18 16:25	02/01/18 21:06	13194-48-4	
Fensulfothion	**<4.5**	ug/kg	8.9	4.5	1	01/25/18 16:25	02/01/18 21:06	115-90-2	
Fenthion	**<2.2**	ug/kg	4.5	2.2	1	01/25/18 16:25	02/01/18 21:06	55-38-9	
Malathion	**<4.5**	ug/kg	8.9	4.5	1	01/25/18 16:25	02/01/18 21:06	121-75-5	
Methyl parathion	**<2.2**	ug/kg	4.5	2.2	1	01/25/18 16:25	02/01/18 21:06	298-00-0	
Mevinphos	**<2.6**	ug/kg	4.5	2.6	1	01/25/18 16:25	02/01/18 21:06	7786-34-7	
Parathion (Ethyl parathion)	**<4.5**	ug/kg	8.9	4.5	1	01/25/18 16:25	02/01/18 21:06	56-38-2	
Phorate	**<2.2**	ug/kg	4.5	2.2	1	01/25/18 16:25	02/01/18 21:06	298-02-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-2 (12-14) **Lab ID: 60262572007** Collected: 01/22/18 15:50 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<2.2**	ug/kg	4.5	2.2	1	01/25/18 16:25	02/01/18 21:06	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<2.2**	ug/kg	4.5	2.2	1	01/25/18 16:25	02/01/18 21:06	3689-24-5	
Tokuthion (Prothiofos)	**<2.2**	ug/kg	4.5	2.2	1	01/25/18 16:25	02/01/18 21:06	34643-46-4	
Trichloronate	**<4.5**	ug/kg	8.9	4.5	1	01/25/18 16:25	02/01/18 21:06	327-98-0	
Total Demeton	**<3.7**	ug/kg	4.5	3.7	1	01/25/18 16:25	02/01/18 21:06	8065-48-3	N2
Total Merphos	**<4.5**	ug/kg	17.9	4.5	1	01/25/18 16:25	02/01/18 21:06	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	89	%.	11-137		1	01/25/18 16:25	02/01/18 21:06	115-86-6	
Tributylphosphate (S)	117	%.	17-125		1	01/25/18 16:25	02/01/18 21:06	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<6.5**	ug/kg	6.5	6.5	1	01/29/18 16:21	01/30/18 17:00	94-75-7	
Dalapon	**<6.5**	ug/kg	6.5	6.5	1	01/29/18 16:21	01/30/18 17:00	75-99-0	
2,4-DB	**<6.5**	ug/kg	6.5	6.5	1	01/29/18 16:21	01/30/18 17:00	94-82-6	
Dicamba	**<6.5**	ug/kg	6.5	6.5	1	01/29/18 16:21	01/30/18 17:00	1918-00-9	
Dichloroprop	**<6.5**	ug/kg	6.5	6.5	1	01/29/18 16:21	01/30/18 17:00	15165-67-0	
Dinoseb	**<6.5**	ug/kg	6.5	6.5	1	01/29/18 16:21	01/30/18 17:00	88-85-7	
MCPA	**<645**	ug/kg	645	645	1	01/29/18 16:21	01/30/18 17:00	94-74-6	
MCPP	**<645**	ug/kg	645	645	1	01/29/18 16:21	01/30/18 17:00	7085-19-0	
2,4,5-T	**<6.5**	ug/kg	6.5	6.5	1	01/29/18 16:21	01/30/18 17:00	93-76-5	
2,4,5-TP (Silvex)	**<6.5**	ug/kg	6.5	6.5	1	01/29/18 16:21	01/30/18 17:00	93-72-1	
Surrogates									
2,4-DCAA (S)	8	%.	10-188		1	01/29/18 16:21	01/30/18 17:00	19719-28-9	S1
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**8.6**	mg/kg	1.2	0.48	1	01/24/18 09:50	01/25/18 12:21	7440-38-2	
Barium	**169**	mg/kg	0.59	0.036	1	01/24/18 09:50	01/25/18 12:21	7440-39-3	
Cadmium	**0.44J**	mg/kg	0.59	0.043	1	01/24/18 09:50	01/25/18 12:21	7440-43-9	
Chromium	**17.0**	mg/kg	0.59	0.12	1	01/24/18 09:50	01/25/18 12:21	7440-47-3	
Lead	**11.6**	mg/kg	0.59	0.24	1	01/24/18 09:50	01/25/18 12:21	7439-92-1	
Selenium	**<0.88**	mg/kg	1.8	0.88	1	01/24/18 09:50	01/25/18 12:21	7782-49-2	
Silver	**<0.19**	mg/kg	0.82	0.19	1	01/24/18 09:50	01/25/18 12:21	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.037J**	mg/kg	0.051	0.0067	1	01/25/18 09:26	01/25/18 11:54	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<46.3**	ug/kg	437	46.3	1	01/24/18 15:00	01/26/18 16:23	83-32-9	
Acenaphthylene	**<41.0**	ug/kg	437	41.0	1	01/24/18 15:00	01/26/18 16:23	208-96-8	
Anthracene	**<46.3**	ug/kg	437	46.3	1	01/24/18 15:00	01/26/18 16:23	120-12-7	
Benzo(a)anthracene	**<39.7**	ug/kg	437	39.7	1	01/24/18 15:00	01/26/18 16:23	56-55-3	
Benzo(a)pyrene	**<34.4**	ug/kg	437	34.4	1	01/24/18 15:00	01/26/18 16:23	50-32-8	
Benzo(b)fluoranthene	**<30.4**	ug/kg	437	30.4	1	01/24/18 15:00	01/26/18 16:23	205-99-2	
Benzo(g,h,i)perylene	**<42.4**	ug/kg	437	42.4	1	01/24/18 15:00	01/26/18 16:23	191-24-2	
Benzo(k)fluoranthene	**<51.6**	ug/kg	437	51.6	1	01/24/18 15:00	01/26/18 16:23	207-08-9	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-2 (12-14) **Lab ID: 60262572007** Collected: 01/22/18 15:50 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<41.0**	ug/kg	2210	41.0	1	01/24/18 15:00	01/26/18 16:23	65-85-0	
Benzyl alcohol	**<136**	ug/kg	874	136	1	01/24/18 15:00	01/26/18 16:23	100-51-6	
4-Bromophenylphenyl ether	**<34.4**	ug/kg	437	34.4	1	01/24/18 15:00	01/26/18 16:23	101-55-3	
Butylbenzylphthalate	**<56.9**	ug/kg	437	56.9	1	01/24/18 15:00	01/26/18 16:23	85-68-7	
Carbazole	**<35.7**	ug/kg	437	35.7	1	01/24/18 15:00	01/26/18 16:23	86-74-8	
4-Chloro-3-methylphenol	**<47.7**	ug/kg	874	47.7	1	01/24/18 15:00	01/26/18 16:23	59-50-7	
4-Chloroaniline	**<86.0**	ug/kg	874	86.0	1	01/24/18 15:00	01/26/18 16:23	106-47-8	
bis(2-Chloroethoxy)methane	**<34.4**	ug/kg	437	34.4	1	01/24/18 15:00	01/26/18 16:23	111-91-1	
bis(2-Chloroethyl) ether	**<34.4**	ug/kg	437	34.4	1	01/24/18 15:00	01/26/18 16:23	111-44-4	
bis(2-Chloroisopropyl) ether	**<34.4**	ug/kg	437	34.4	1	01/24/18 15:00	01/26/18 16:23	39638-32-9	
2-Chloronaphthalene	**<37.1**	ug/kg	437	37.1	1	01/24/18 15:00	01/26/18 16:23	91-58-7	
2-Chlorophenol	**<35.7**	ug/kg	437	35.7	1	01/24/18 15:00	01/26/18 16:23	95-57-8	
4-Chlorophenylphenyl ether	**<42.4**	ug/kg	437	42.4	1	01/24/18 15:00	01/26/18 16:23	7005-72-3	
Chrysene	**<37.1**	ug/kg	437	37.1	1	01/24/18 15:00	01/26/18 16:23	218-01-9	
Dibenz(a,h)anthracene	**<39.7**	ug/kg	437	39.7	1	01/24/18 15:00	01/26/18 16:23	53-70-3	
Dibenzofuran	**<39.7**	ug/kg	437	39.7	1	01/24/18 15:00	01/26/18 16:23	132-64-9	
1,2-Dichlorobenzene	**<33.1**	ug/kg	437	33.1	1	01/24/18 15:00	01/26/18 16:23	95-50-1	
1,3-Dichlorobenzene	**<37.1**	ug/kg	437	37.1	1	01/24/18 15:00	01/26/18 16:23	541-73-1	
1,4-Dichlorobenzene	**<38.4**	ug/kg	437	38.4	1	01/24/18 15:00	01/26/18 16:23	106-46-7	
3,3'-Dichlorobenzidine	**<150**	ug/kg	874	150	1	01/24/18 15:00	01/26/18 16:23	91-94-1	
2,4-Dichlorophenol	**<39.7**	ug/kg	437	39.7	1	01/24/18 15:00	01/26/18 16:23	120-83-2	
Diethylphthalate	**<41.0**	ug/kg	437	41.0	1	01/24/18 15:00	01/26/18 16:23	84-66-2	
2,4-Dimethylphenol	**<23.8**	ug/kg	437	23.8	1	01/24/18 15:00	01/26/18 16:23	105-67-9	
Dimethylphthalate	**<42.4**	ug/kg	437	42.4	1	01/24/18 15:00	01/26/18 16:23	131-11-3	
Di-n-butylphthalate	**<46.3**	ug/kg	437	46.3	1	01/24/18 15:00	01/26/18 16:23	84-74-2	
4,6-Dinitro-2-methylphenol	**<58.2**	ug/kg	2210	58.2	1	01/24/18 15:00	01/26/18 16:23	534-52-1	
2,4-Dinitrophenol	**<63.5**	ug/kg	2210	63.5	1	01/24/18 15:00	01/26/18 16:23	51-28-5	
2,4-Dinitrotoluene	**<37.1**	ug/kg	437	37.1	1	01/24/18 15:00	01/26/18 16:23	121-14-2	
2,6-Dinitrotoluene	**<45.0**	ug/kg	437	45.0	1	01/24/18 15:00	01/26/18 16:23	606-20-2	
Di-n-octylphthalate	**<51.6**	ug/kg	437	51.6	1	01/24/18 15:00	01/26/18 16:23	117-84-0	
bis(2-Ethylhexyl)phthalate	**<151**	ug/kg	437	151	1	01/24/18 15:00	01/26/18 16:23	117-81-7	
Fluoranthene	**<41.0**	ug/kg	437	41.0	1	01/24/18 15:00	01/26/18 16:23	206-44-0	
Fluorene	**<41.0**	ug/kg	437	41.0	1	01/24/18 15:00	01/26/18 16:23	86-73-7	
Hexachloro-1,3-butadiene	**<43.7**	ug/kg	437	43.7	1	01/24/18 15:00	01/26/18 16:23	87-68-3	
Hexachlorobenzene	**<42.4**	ug/kg	437	42.4	1	01/24/18 15:00	01/26/18 16:23	118-74-1	
Hexachlorocyclopentadiene	**<92.7**	ug/kg	437	92.7	1	01/24/18 15:00	01/26/18 16:23	77-47-4	
Hexachloroethane	**<33.1**	ug/kg	437	33.1	1	01/24/18 15:00	01/26/18 16:23	67-72-1	
Indeno(1,2,3-cd)pyrene	**<47.7**	ug/kg	437	47.7	1	01/24/18 15:00	01/26/18 16:23	193-39-5	
Isophorone	**<39.7**	ug/kg	437	39.7	1	01/24/18 15:00	01/26/18 16:23	78-59-1	
2-Methylnaphthalene	**<31.8**	ug/kg	437	31.8	1	01/24/18 15:00	01/26/18 16:23	91-57-6	
2-Methylphenol(o-Cresol)	**<41.0**	ug/kg	437	41.0	1	01/24/18 15:00	01/26/18 16:23	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<47.7**	ug/kg	437	47.7	1	01/24/18 15:00	01/26/18 16:23		
Naphthalene	**<34.4**	ug/kg	437	34.4	1	01/24/18 15:00	01/26/18 16:23	91-20-3	
2-Nitroaniline	**<74.1**	ug/kg	874	74.1	1	01/24/18 15:00	01/26/18 16:23	88-74-4	
3-Nitroaniline	**<132**	ug/kg	874	132	1	01/24/18 15:00	01/26/18 16:23	99-09-2	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-2 (12-14) **Lab ID: 60262572007** Collected: 01/22/18 15:50 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<113**	ug/kg	874	113	1	01/24/18 15:00	01/26/18 16:23	100-01-6	
Nitrobenzene	**<41.0**	ug/kg	437	41.0	1	01/24/18 15:00	01/26/18 16:23	98-95-3	
2-Nitrophenol	**<60.9**	ug/kg	437	60.9	1	01/24/18 15:00	01/26/18 16:23	88-75-5	
4-Nitrophenol	**<68.8**	ug/kg	2210	68.8	1	01/24/18 15:00	01/26/18 16:23	100-02-7	
N-Nitroso-di-n-propylamine	**<43.7**	ug/kg	437	43.7	1	01/24/18 15:00	01/26/18 16:23	621-64-7	
N-Nitrosodiphenylamine	**<34.4**	ug/kg	437	34.4	1	01/24/18 15:00	01/26/18 16:23	86-30-6	
Pentachlorophenol	**<41.0**	ug/kg	2210	41.0	1	01/24/18 15:00	01/26/18 16:23	87-86-5	
Phenanthrene	**<41.0**	ug/kg	437	41.0	1	01/24/18 15:00	01/26/18 16:23	85-01-8	
Phenol	**<34.4**	ug/kg	437	34.4	1	01/24/18 15:00	01/26/18 16:23	108-95-2	
Pyrene	**<43.7**	ug/kg	437	43.7	1	01/24/18 15:00	01/26/18 16:23	129-00-0	
Pyridine	**<35.7**	ug/kg	437	35.7	1	01/24/18 15:00	01/26/18 16:23	110-86-1	
1,2,4-Trichlorobenzene	**<39.7**	ug/kg	437	39.7	1	01/24/18 15:00	01/26/18 16:23	120-82-1	
2,4,5-Trichlorophenol	**<39.7**	ug/kg	437	39.7	1	01/24/18 15:00	01/26/18 16:23	95-95-4	
2,4,6-Trichlorophenol	**<41.0**	ug/kg	437	41.0	1	01/24/18 15:00	01/26/18 16:23	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	72	%	41-114		1	01/24/18 15:00	01/26/18 16:23	4165-60-0	
2-Fluorobiphenyl (S)	74	%	61-109		1	01/24/18 15:00	01/26/18 16:23	321-60-8	
Terphenyl-d14 (S)	77	%	48-120		1	01/24/18 15:00	01/26/18 16:23	1718-51-0	
Phenol-d6 (S)	70	%	48-102		1	01/24/18 15:00	01/26/18 16:23	13127-88-3	
2-Fluorophenol (S)	67	%	46-102		1	01/24/18 15:00	01/26/18 16:23	367-12-4	
2,4,6-Tribromophenol (S)	79	%	39-114		1	01/24/18 15:00	01/26/18 16:23	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**27.1**	mg/kg	19.8	1.6	1	01/24/18 15:00	01/31/18 06:55		B
TPH-DRO	**134**	mg/kg	19.8	1.6	1	01/24/18 15:00	01/31/18 06:55		
Surrogates									
Nitrobenzene-d5 (S)	83	%	41-114		1	01/24/18 15:00	01/31/18 06:55	4165-60-0	
2-Fluorobiphenyl (S)	75	%	61-109		1	01/24/18 15:00	01/31/18 06:55	321-60-8	
Terphenyl-d14 (S)	70	%	48-120		1	01/24/18 15:00	01/31/18 06:55	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**3.0**	mg/kg	0.59	0.29	1		01/31/18 14:16		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**24.5**	ug/kg	23.4	11.7	1		01/31/18 14:16	67-64-1	
Benzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	71-43-2	
Bromobenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	108-86-1	
Bromochloromethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	74-97-5	
Bromodichloromethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	75-27-4	
Bromoform	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	75-25-2	
Bromomethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	74-83-9	
2-Butanone (MEK)	**<5.9**	ug/kg	11.7	5.9	1		01/31/18 14:16	78-93-3	
n-Butylbenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	104-51-8	
sec-Butylbenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	135-98-8	
tert-Butylbenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	98-06-6	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-2 (12-14) **Lab ID: 60262572007** Collected: 01/22/18 15:50 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**6.8**	ug/kg	5.9	2.9	1		01/31/18 14:16	75-15-0	
Carbon tetrachloride	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	56-23-5	
Chlorobenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	108-90-7	
Chloroethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	75-00-3	
Chloroform	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	67-66-3	
Chloromethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	74-87-3	
2-Chlorotoluene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	95-49-8	
4-Chlorotoluene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.9**	ug/kg	11.7	5.9	1		01/31/18 14:16	96-12-8	
Dibromochloromethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	124-48-1	
1,2-Dibromoethane (EDB)	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	106-93-4	
Dibromomethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	74-95-3	
1,2-Dichlorobenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	95-50-1	
1,3-Dichlorobenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	541-73-1	
1,4-Dichlorobenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	106-46-7	
Dichlorodifluoromethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	75-71-8	
1,1-Dichloroethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	75-34-3	
1,2-Dichloroethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	107-06-2	
1,2-Dichloroethene (Total)	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	540-59-0	
1,1-Dichloroethene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	75-35-4	
cis-1,2-Dichloroethene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	156-59-2	
trans-1,2-Dichloroethene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	156-60-5	L2
1,2-Dichloropropane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	78-87-5	
1,3-Dichloropropane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	142-28-9	
2,2-Dichloropropane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	594-20-7	
1,1-Dichloropropene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	563-58-6	
cis-1,3-Dichloropropene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	10061-01-5	
trans-1,3-Dichloropropene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	10061-02-6	
Ethylbenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	100-41-4	
Hexachloro-1,3-butadiene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	87-68-3	
2-Hexanone	**<11.7**	ug/kg	23.4	11.7	1		01/31/18 14:16	591-78-6	
Isopropylbenzene (Cumene)	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	98-82-8	
p-Isopropyltoluene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	99-87-6	
Methylene chloride	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.9**	ug/kg	11.7	5.9	1		01/31/18 14:16	108-10-1	
Methyl-tert-butyl ether	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	1634-04-4	
Naphthalene	**<5.9**	ug/kg	11.7	5.9	1		01/31/18 14:16	91-20-3	
n-Propylbenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	103-65-1	
Styrene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	79-34-5	
Tetrachloroethene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	127-18-4	
Toluene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	108-88-3	
1,2,3-Trichlorobenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	87-61-6	
1,2,4-Trichlorobenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	120-82-1	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-2 (12-14) **Lab ID: 60262572007** Collected: 01/22/18 15:50 Received: 01/23/18 12:15 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**3.8J**	ug/kg	5.9	2.9	1		01/31/18 14:16	71-55-6	
1,1,2-Trichloroethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	79-00-5	
Trichloroethene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	79-01-6	
Trichlorofluoromethane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	75-69-4	
1,2,3-Trichloropropane	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	96-18-4	
1,2,4-Trimethylbenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	95-63-6	
1,3,5-Trimethylbenzene	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	108-67-8	
Vinyl chloride	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	75-01-4	
Xylene (Total)	**<2.9**	ug/kg	5.9	2.9	1		01/31/18 14:16	1330-20-7	
Surrogates									
Toluene-d8 (S)	99	%	78-122		1		01/31/18 14:16	2037-26-5	
4-Bromofluorobenzene (S)	86	%	69-133		1		01/31/18 14:16	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	80-123		1		01/31/18 14:16	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**26.3**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.9**	Std. Units	0.10	0.10	1		01/30/18 10:40		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**144**	mg/kg	134	67.2	10	02/04/18 07:00	02/05/18 19:07	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**24.7**	mg/kg	13.5	6.7	10	02/05/18 16:00	02/06/18 01:23	14797-55-8	
Nitrite as N	**<6.7**	mg/kg	13.5	6.7	10	02/05/18 16:00	02/06/18 01:23	14797-65-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-1 **Lab ID: 60262572008** Collected: 01/22/18 14:40 Received: 01/23/18 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 17:28	309-00-2	
alpha-BHC	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/05/18 17:28	319-84-6	
beta-BHC	**<0.010**	ug/L	0.010	0.010	1	01/26/18 12:10	02/05/18 17:28	319-85-7	
delta-BHC	**<0.0090**	ug/L	0.010	0.0090	1	01/26/18 12:10	02/05/18 17:28	319-86-8	
gamma-BHC (Lindane)	**<0.0080**	ug/L	0.010	0.0080	1	01/26/18 12:10	02/05/18 17:28	58-89-9	
Chlordane (Technical)	**<0.090**	ug/L	0.10	0.090	1	01/26/18 12:10	02/05/18 17:28	57-74-9	
alpha-Chlordane	**<0.024**	ug/L	0.10	0.024	1	01/26/18 12:10	02/05/18 17:28	5103-71-9	
gamma-Chlordane	**<0.034**	ug/L	0.10	0.034	1	01/26/18 12:10	02/05/18 17:28	5103-74-2	
4,4'-DDD	**<0.0050**	ug/L	0.010	0.0050	1	01/26/18 12:10	02/05/18 17:28	72-54-8	
4,4'-DDE	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 17:28	72-55-9	
4,4'-DDT	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 17:28	50-29-3	
Dieldrin	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/05/18 17:28	60-57-1	
Endosulfan I	**<0.021**	ug/L	0.10	0.021	1	01/26/18 12:10	02/05/18 17:28	959-98-8	
Endosulfan II	**<0.0090**	ug/L	0.010	0.0090	1	01/26/18 12:10	02/05/18 17:28	33213-65-9	
Endosulfan sulfate	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 17:28	1031-07-8	
Endrin	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 17:28	72-20-8	
Endrin aldehyde	**<0.029**	ug/L	0.10	0.029	1	01/26/18 12:10	02/05/18 17:28	7421-93-4	
Endrin ketone	**<0.025**	ug/L	0.10	0.025	1	01/26/18 12:10	02/05/18 17:28	53494-70-5	
Heptachlor	**<0.0050**	ug/L	0.010	0.0050	1	01/26/18 12:10	02/05/18 17:28	76-44-8	
Heptachlor epoxide	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 17:28	1024-57-3	
Methoxychlor	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/05/18 17:28	72-43-5	
Toxaphene	**<0.61**	ug/L	1.5	0.61	1	01/26/18 12:10	02/05/18 17:28	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	84	%.	54-127		1	01/26/18 12:10	02/05/18 17:28	877-09-8	
Decachlorobiphenyl (S)	59	%.	12-162		1	01/26/18 12:10	02/05/18 17:28	2051-24-3	
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510								
Stirophos (Tetrachlorvinphos)	**<0.072**	ug/L	0.10	0.072	1	01/26/18 12:10	02/01/18 17:29	22248-79-9	
Azinphos, methyl (Guthion)	**<0.093**	ug/L	0.10	0.093	1	01/26/18 12:10	02/01/18 17:29	86-50-0	
Bolstar	**<0.090**	ug/L	0.10	0.090	1	01/26/18 12:10	02/01/18 17:29	35400-43-2	
Chlorpyrifos	**<0.067**	ug/L	0.10	0.067	1	01/26/18 12:10	02/01/18 17:29	2921-88-2	
Coumaphos	**<0.092**	ug/L	0.10	0.092	1	01/26/18 12:10	02/01/18 17:29	56-72-4	
Diazinon	**<0.078**	ug/L	0.10	0.078	1	01/26/18 12:10	02/01/18 17:29	333-41-5	
Dichlorvos	**<0.073**	ug/L	0.10	0.073	1	01/26/18 12:10	02/01/18 17:29	62-73-7	
Dimethoate	**<0.083**	ug/L	0.10	0.083	1	01/26/18 12:10	02/01/18 17:29	60-51-5	
Disulfoton	**<0.071**	ug/L	0.10	0.071	1	01/26/18 12:10	02/01/18 17:29	298-04-4	
EPN (ENT)	**<0.087**	ug/L	0.10	0.087	1	01/26/18 12:10	02/01/18 17:29	2104-64-5	
Ethoprop	**<0.059**	ug/L	0.10	0.059	1	01/26/18 12:10	02/01/18 17:29	13194-48-4	
Fensulfothion	**<0.087**	ug/L	0.10	0.087	1	01/26/18 12:10	02/01/18 17:29	115-90-2	
Fenthion	**<0.088**	ug/L	0.10	0.088	1	01/26/18 12:10	02/01/18 17:29	55-38-9	
Malathion	**<0.086**	ug/L	0.10	0.086	1	01/26/18 12:10	02/01/18 17:29	121-75-5	
Methyl parathion	**<0.070**	ug/L	0.10	0.070	1	01/26/18 12:10	02/01/18 17:29	298-00-0	
Mevinphos	**<0.065**	ug/L	0.10	0.065	1	01/26/18 12:10	02/01/18 17:29	7786-34-7	
Parathion (Ethyl parathion)	**<0.060**	ug/L	0.10	0.060	1	01/26/18 12:10	02/01/18 17:29	56-38-2	
Phorate	**<0.064**	ug/L	0.10	0.064	1	01/26/18 12:10	02/01/18 17:29	298-02-2	
Ronnel	**<0.088**	ug/L	0.10	0.088	1	01/26/18 12:10	02/01/18 17:29	299-84-3	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-1 **Lab ID: 60262572008** Collected: 01/22/18 14:40 Received: 01/23/18 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510								
Sulfotep (Thiodiphosphoric Ac	**<0.061**	ug/L	0.10	0.061	1	01/26/18 12:10	02/01/18 17:29	3689-24-5	
Tokuthion (Prothiofos)	**<0.081**	ug/L	0.10	0.081	1	01/26/18 12:10	02/01/18 17:29	34643-46-4	
Trichloronate	**<0.087**	ug/L	0.10	0.087	1	01/26/18 12:10	02/01/18 17:29	327-98-0	
Total Demeton	**<0.083**	ug/L	0.10	0.083	1	01/26/18 12:10	02/01/18 17:29	8065-48-3	
Total Merphos	**<0.038**	ug/L	0.10	0.038	1	01/26/18 12:10	02/01/18 17:29	150-50-5	
Surrogates									
Triphenylphosphate (S)	94	%.	10-175		1	01/26/18 12:10	02/01/18 17:29	115-86-6	
Tributylphosphate (S)	137	%.	20-150		1	01/26/18 12:10	02/01/18 17:29	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**2.0**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 12:34	94-75-7	
Dalapon	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 12:34	75-99-0	
2,4-DB	**<0.34**	ug/L	0.50	0.34	1	01/29/18 21:00	02/01/18 12:34	94-82-6	
Dicamba	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 12:34	1918-00-9	
Dichloroprop	**2.0**	ug/L	0.50	0.29	1	01/29/18 21:00	02/01/18 12:59	15165-67-0	
Dinoseb	**<0.50**	ug/L	0.50	0.50	1	01/29/18 21:00	02/01/18 12:34	88-85-7	
MCPA	**<20.0**	ug/L	20.0	20.0	1	01/29/18 21:00	02/01/18 12:34	94-74-6	
MCPP	**<20.0**	ug/L	20.0	20.0	1	01/29/18 21:00	02/01/18 12:34	7085-19-0	
2,4,5-T	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 12:34	93-76-5	
2,4,5-TP (Silvex)	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 12:34	93-72-1	
Surrogates									
2,4-DCAA (S)	127	%.	47-166		1	01/29/18 21:00	02/01/18 12:34	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**36.2**	ug/L	10.0	4.2	1	01/24/18 14:50	01/30/18 12:17	7440-38-2	
Barium	**1200**	ug/L	5.0	0.91	1	01/24/18 14:50	01/30/18 12:17	7440-39-3	
Cadmium	**4.7J**	ug/L	5.0	0.64	1	01/24/18 14:50	01/30/18 12:17	7440-43-9	
Chromium	**39.9**	ug/L	5.0	0.72	1	01/24/18 14:50	01/30/18 12:17	7440-47-3	
Lead	**95.4**	ug/L	5.0	2.4	1	01/24/18 14:50	01/30/18 12:17	7439-92-1	
Selenium	**7.3J**	ug/L	15.0	3.4	1	01/24/18 14:50	01/30/18 12:17	7782-49-2	
Silver	**<1.9**	ug/L	7.0	1.9	1	01/24/18 14:50	01/30/18 12:17	7440-22-4	
6010 MET ICP, Dissolved (LF)	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic, Dissolved	**<4.2**	ug/L	10.0	4.2	1	01/30/18 10:10	01/31/18 17:02	7440-38-2	
Barium, Dissolved	**85.1**	ug/L	5.0	0.91	1	01/30/18 10:10	01/31/18 17:02	7440-39-3	
Cadmium, Dissolved	**<0.64**	ug/L	5.0	0.64	1	01/30/18 10:10	01/31/18 17:02	7440-43-9	
Chromium, Dissolved	**1.2J**	ug/L	5.0	0.72	1	01/30/18 10:10	01/31/18 17:02	7440-47-3	
Lead, Dissolved	**<2.4**	ug/L	5.0	2.4	1	01/30/18 10:10	01/31/18 17:02	7439-92-1	
Selenium, Dissolved	**6.2J**	ug/L	15.0	3.4	1	01/30/18 10:10	01/31/18 17:02	7782-49-2	
Silver, Dissolved	**<1.9**	ug/L	7.0	1.9	1	01/30/18 10:10	01/31/18 17:02	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**1.1**	ug/L	0.20	0.046	1	02/08/18 11:51	02/08/18 15:04	7439-97-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-1 **Lab ID: 60262572008** Collected: 01/22/18 14:40 Received: 01/23/18 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury, Dissolved (LF)	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.046**	ug/L	0.20	0.046	1	02/08/18 15:58	02/09/18 10:46	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**<0.34**	ug/L	9.4	0.34	1	01/24/18 00:00	01/25/18 18:48	83-32-9	1e
Acenaphthylene	**<0.36**	ug/L	9.4	0.36	1	01/24/18 00:00	01/25/18 18:48	208-96-8	1e
Anthracene	**<0.28**	ug/L	9.4	0.28	1	01/24/18 00:00	01/25/18 18:48	120-12-7	1e
Benzo(a)anthracene	**<0.27**	ug/L	9.4	0.27	1	01/24/18 00:00	01/25/18 18:48	56-55-3	1e
Benzo(a)pyrene	**<0.34**	ug/L	9.4	0.34	1	01/24/18 00:00	01/25/18 18:48	50-32-8	1e
Benzo(b)fluoranthene	**<0.33**	ug/L	9.4	0.33	1	01/24/18 00:00	01/25/18 18:48	205-99-2	1e
Benzo(g,h,i)perylene	**<0.38**	ug/L	9.4	0.38	1	01/24/18 00:00	01/25/18 18:48	191-24-2	1e
Benzo(k)fluoranthene	**<0.40**	ug/L	9.4	0.40	1	01/24/18 00:00	01/25/18 18:48	207-08-9	1e
Benzoic acid	**<2.4**	ug/L	47.2	2.4	1	01/24/18 00:00	01/25/18 18:48	65-85-0	1e
Benzyl alcohol	**<0.33**	ug/L	18.9	0.33	1	01/24/18 00:00	01/25/18 18:48	100-51-6	1e
4-Bromophenylphenyl ether	**<0.36**	ug/L	9.4	0.36	1	01/24/18 00:00	01/25/18 18:48	101-55-3	1e
Butylbenzylphthalate	**<0.38**	ug/L	9.4	0.38	1	01/24/18 00:00	01/25/18 18:48	85-68-7	1e
Carbazole	**<0.33**	ug/L	9.4	0.33	1	01/24/18 00:00	01/25/18 18:48	86-74-8	1e
4-Chloro-3-methylphenol	**<0.24**	ug/L	18.9	0.24	1	01/24/18 00:00	01/25/18 18:48	59-50-7	1e
4-Chloroaniline	**<0.49**	ug/L	18.9	0.49	1	01/24/18 00:00	01/25/18 18:48	106-47-8	1e
bis(2-Chloroethoxy)methane	**<4.7**	ug/L	9.4	4.7	1	01/24/18 00:00	01/25/18 18:48	111-91-1	1e
bis(2-Chloroethyl) ether	**<0.27**	ug/L	9.4	0.27	1	01/24/18 00:00	01/25/18 18:48	111-44-4	1e
bis(2-Chloroisopropyl) ether	**<0.27**	ug/L	9.4	0.27	1	01/24/18 00:00	01/25/18 18:48	39638-32-9	1e
2-Chloronaphthalene	**<0.33**	ug/L	9.4	0.33	1	01/24/18 00:00	01/25/18 18:48	91-58-7	1e
2-Chlorophenol	**<0.28**	ug/L	9.4	0.28	1	01/24/18 00:00	01/25/18 18:48	95-57-8	1e
4-Chlorophenylphenyl ether	**<0.28**	ug/L	9.4	0.28	1	01/24/18 00:00	01/25/18 18:48	7005-72-3	1e
Chrysene	**<0.34**	ug/L	9.4	0.34	1	01/24/18 00:00	01/25/18 18:48	218-01-9	1e
Dibenz(a,h)anthracene	**<0.42**	ug/L	9.4	0.42	1	01/24/18 00:00	01/25/18 18:48	53-70-3	1e
Dibenzofuran	**<0.37**	ug/L	9.4	0.37	1	01/24/18 00:00	01/25/18 18:48	132-64-9	1e
1,2-Dichlorobenzene	**<0.27**	ug/L	9.4	0.27	1	01/24/18 00:00	01/25/18 18:48	95-50-1	1e
1,3-Dichlorobenzene	**<0.51**	ug/L	9.4	0.51	1	01/24/18 00:00	01/25/18 18:48	541-73-1	1e
1,4-Dichlorobenzene	**<0.39**	ug/L	9.4	0.39	1	01/24/18 00:00	01/25/18 18:48	106-46-7	1e
3,3'-Dichlorobenzidine	**<0.37**	ug/L	18.9	0.37	1	01/24/18 00:00	01/25/18 18:48	91-94-1	1e
2,4-Dichlorophenol	**<0.49**	ug/L	9.4	0.49	1	01/24/18 00:00	01/25/18 18:48	120-83-2	1e
Diethylphthalate	**<0.42**	ug/L	9.4	0.42	1	01/24/18 00:00	01/25/18 18:48	84-66-2	1e
2,4-Dimethylphenol	**<0.57**	ug/L	9.4	0.57	1	01/24/18 00:00	01/25/18 18:48	105-67-9	1e
Dimethylphthalate	**<0.33**	ug/L	9.4	0.33	1	01/24/18 00:00	01/25/18 18:48	131-11-3	1e
Di-n-butylphthalate	**<0.37**	ug/L	9.4	0.37	1	01/24/18 00:00	01/25/18 18:48	84-74-2	1e
4,6-Dinitro-2-methylphenol	**<0.52**	ug/L	47.2	0.52	1	01/24/18 00:00	01/25/18 18:48	534-52-1	1e
2,4-Dinitrophenol	**<7.9**	ug/L	47.2	7.9	1	01/24/18 00:00	01/25/18 18:48	51-28-5	1e
2,4-Dinitrotoluene	**<0.31**	ug/L	9.4	0.31	1	01/24/18 00:00	01/25/18 18:48	121-14-2	1e
2,6-Dinitrotoluene	**<0.26**	ug/L	9.4	0.26	1	01/24/18 00:00	01/25/18 18:48	606-20-2	1e
Di-n-octylphthalate	**<0.47**	ug/L	9.4	0.47	1	01/24/18 00:00	01/25/18 18:48	117-84-0	1e
bis(2-Ethylhexyl)phthalate	**<0.58**	ug/L	9.4	0.58	1	01/24/18 00:00	01/25/18 18:48	117-81-7	1e
Fluoranthene	**<0.35**	ug/L	9.4	0.35	1	01/24/18 00:00	01/25/18 18:48	206-44-0	1e
Fluorene	**<0.32**	ug/L	9.4	0.32	1	01/24/18 00:00	01/25/18 18:48	86-73-7	1e
Hexachloro-1,3-butadiene	**<0.36**	ug/L	9.4	0.36	1	01/24/18 00:00	01/25/18 18:48	87-68-3	1e
Hexachlorobenzene	**<0.28**	ug/L	9.4	0.28	1	01/24/18 00:00	01/25/18 18:48	118-74-1	1e

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-1 **Lab ID: 60262572008** Collected: 01/22/18 14:40 Received: 01/23/18 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Hexachlorocyclopentadiene	**<0.33**	ug/L	9.4	0.33	1	01/24/18 00:00	01/25/18 18:48	77-47-4	1e
Hexachloroethane	**<0.27**	ug/L	9.4	0.27	1	01/24/18 00:00	01/25/18 18:48	67-72-1	1e
Indeno(1,2,3-cd)pyrene	**<0.30**	ug/L	9.4	0.30	1	01/24/18 00:00	01/25/18 18:48	193-39-5	1e
Isophorone	**<0.26**	ug/L	9.4	0.26	1	01/24/18 00:00	01/25/18 18:48	78-59-1	1e
2-Methylnaphthalene	**0.53J**	ug/L	9.4	0.25	1	01/24/18 00:00	01/25/18 18:48	91-57-6	1e
2-Methylphenol(o-Cresol)	**<0.26**	ug/L	9.4	0.26	1	01/24/18 00:00	01/25/18 18:48	95-48-7	1e
3&4-Methylphenol(m&p Cresol)	**<4.7**	ug/L	9.4	4.7	1	01/24/18 00:00	01/25/18 18:48		1e
Naphthalene	**<0.34**	ug/L	9.4	0.34	1	01/24/18 00:00	01/25/18 18:48	91-20-3	1e
2-Nitroaniline	**<0.40**	ug/L	47.2	0.40	1	01/24/18 00:00	01/25/18 18:48	88-74-4	1e
3-Nitroaniline	**<0.33**	ug/L	47.2	0.33	1	01/24/18 00:00	01/25/18 18:48	99-09-2	1e
4-Nitroaniline	**<0.33**	ug/L	47.2	0.33	1	01/24/18 00:00	01/25/18 18:48	100-01-6	1e
Nitrobenzene	**<0.28**	ug/L	9.4	0.28	1	01/24/18 00:00	01/25/18 18:48	98-95-3	1e
2-Nitrophenol	**<0.26**	ug/L	9.4	0.26	1	01/24/18 00:00	01/25/18 18:48	88-75-5	1e
4-Nitrophenol	**<0.29**	ug/L	47.2	0.29	1	01/24/18 00:00	01/25/18 18:48	100-02-7	1e
N-Nitroso-di-n-propylamine	**<0.25**	ug/L	9.4	0.25	1	01/24/18 00:00	01/25/18 18:48	621-64-7	1e
N-Nitrosodiphenylamine	**<0.38**	ug/L	9.4	0.38	1	01/24/18 00:00	01/25/18 18:48	86-30-6	1e
Pentachlorophenol	**<0.29**	ug/L	47.2	0.29	1	01/24/18 00:00	01/25/18 18:48	87-86-5	1e
Phenanthrene	**<0.32**	ug/L	9.4	0.32	1	01/24/18 00:00	01/25/18 18:48	85-01-8	1e
Phenol	**<4.7**	ug/L	9.4	4.7	1	01/24/18 00:00	01/25/18 18:48	108-95-2	1e
Pyrene	**<0.26**	ug/L	9.4	0.26	1	01/24/18 00:00	01/25/18 18:48	129-00-0	1e
Pyridine	**<0.29**	ug/L	9.4	0.29	1	01/24/18 00:00	01/25/18 18:48	110-86-1	1e
1,2,4-Trichlorobenzene	**<0.31**	ug/L	9.4	0.31	1	01/24/18 00:00	01/25/18 18:48	120-82-1	1e
2,4,5-Trichlorophenol	**<0.31**	ug/L	47.2	0.31	1	01/24/18 00:00	01/25/18 18:48	95-95-4	1e
2,4,6-Trichlorophenol	**<0.37**	ug/L	9.4	0.37	1	01/24/18 00:00	01/25/18 18:48	88-06-2	1e
Surrogates									
Nitrobenzene-d5 (S)	42	%	33-99		1	01/24/18 00:00	01/25/18 18:48	4165-60-0	
2-Fluorobiphenyl (S)	44	%	30-103		1	01/24/18 00:00	01/25/18 18:48	321-60-8	
Terphenyl-d14 (S)	48	%	38-114		1	01/24/18 00:00	01/25/18 18:48	1718-51-0	
Phenol-d6 (S)	34	%	10-56		1	01/24/18 00:00	01/25/18 18:48	13127-88-3	
2-Fluorophenol (S)	42	%	10-68		1	01/24/18 00:00	01/25/18 18:48	367-12-4	
2,4,6-Tribromophenol (S)	49	%	21-124		1	01/24/18 00:00	01/25/18 18:48	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C								
TPH-ORO	**<0.91**	mg/L	0.91	0.91	1	01/24/18 15:00	01/27/18 01:00		1e
TPH-DRO	**<0.91**	mg/L	0.91	0.91	1	01/24/18 15:00	01/27/18 01:00		1e
Surrogates									
Nitrobenzene-d5 (S)	75	%	33-99		1	01/24/18 15:00	01/27/18 01:00	4165-60-0	
2-Fluorobiphenyl (S)	76	%	30-103		1	01/24/18 15:00	01/27/18 01:00	321-60-8	
Terphenyl-d14 (S)	68	%	38-114		1	01/24/18 15:00	01/27/18 01:00	1718-51-0	
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**<1.9**	ug/L	10.0	1.9	1		01/25/18 13:41	67-64-1	
Benzene	**<0.060**	ug/L	1.0	0.060	1		01/25/18 13:41	71-43-2	
Bromobenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 13:41	108-86-1	
Bromochloromethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 13:41	74-97-5	
Bromodichloromethane	**<0.19**	ug/L	1.0	0.19	1		01/25/18 13:41	75-27-4	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-1 **Lab ID: 60262572008** Collected: 01/22/18 14:40 Received: 01/23/18 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Bromoform	**<0.070**	ug/L	1.0	0.070	1		01/25/18 13:41	75-25-2	
Bromomethane	**<0.16**	ug/L	5.0	0.16	1		01/25/18 13:41	74-83-9	
2-Butanone (MEK)	**<0.59**	ug/L	10.0	0.59	1		01/25/18 13:41	78-93-3	
n-Butylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 13:41	104-51-8	
sec-Butylbenzene	**<0.050**	ug/L	1.0	0.050	1		01/25/18 13:41	135-98-8	
tert-Butylbenzene	**<0.34**	ug/L	1.0	0.34	1		01/25/18 13:41	98-06-6	
Carbon disulfide	**<0.12**	ug/L	5.0	0.12	1		01/25/18 13:41	75-15-0	
Carbon tetrachloride	**<0.18**	ug/L	1.0	0.18	1		01/25/18 13:41	56-23-5	
Chlorobenzene	**<0.21**	ug/L	1.0	0.21	1		01/25/18 13:41	108-90-7	
Chloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 13:41	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		01/25/18 13:41	67-66-3	
Chloromethane	**<0.080**	ug/L	1.0	0.080	1		01/25/18 13:41	74-87-3	
2-Chlorotoluene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 13:41	95-49-8	
4-Chlorotoluene	**<0.14**	ug/L	1.0	0.14	1		01/25/18 13:41	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.59**	ug/L	2.5	0.59	1		01/25/18 13:41	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		01/25/18 13:41	124-48-1	
1,2-Dibromoethane (EDB)	**<0.17**	ug/L	1.0	0.17	1		01/25/18 13:41	106-93-4	
Dibromomethane	**<0.18**	ug/L	1.0	0.18	1		01/25/18 13:41	74-95-3	
1,2-Dichlorobenzene	**<0.050**	ug/L	1.0	0.050	1		01/25/18 13:41	95-50-1	
1,3-Dichlorobenzene	**<0.070**	ug/L	1.0	0.070	1		01/25/18 13:41	541-73-1	
1,4-Dichlorobenzene	**<0.060**	ug/L	1.0	0.060	1		01/25/18 13:41	106-46-7	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	0.21	1		01/25/18 13:41	75-71-8	
1,1-Dichloroethane	**<0.050**	ug/L	1.0	0.050	1		01/25/18 13:41	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		01/25/18 13:41	107-06-2	
1,2-Dichloroethene (Total)	**<0.28**	ug/L	1.0	0.28	1		01/25/18 13:41	540-59-0	
1,1-Dichloroethene	**<0.20**	ug/L	1.0	0.20	1		01/25/18 13:41	75-35-4	
cis-1,2-Dichloroethene	**<0.080**	ug/L	1.0	0.080	1		01/25/18 13:41	156-59-2	
trans-1,2-Dichloroethene	**<0.20**	ug/L	1.0	0.20	1		01/25/18 13:41	156-60-5	
1,2-Dichloropropane	**<0.16**	ug/L	1.0	0.16	1		01/25/18 13:41	78-87-5	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		01/25/18 13:41	142-28-9	
2,2-Dichloropropane	**<0.19**	ug/L	1.0	0.19	1		01/25/18 13:41	594-20-7	
1,1-Dichloropropene	**<0.090**	ug/L	1.0	0.090	1		01/25/18 13:41	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	1.0	0.14	1		01/25/18 13:41	10061-01-5	
trans-1,3-Dichloropropene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 13:41	10061-02-6	
Ethylbenzene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 13:41	100-41-4	
Hexachloro-1,3-butadiene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 13:41	87-68-3	
2-Hexanone	**<1.2**	ug/L	10.0	1.2	1		01/25/18 13:41	591-78-6	
Isopropylbenzene (Cumene)	**<0.070**	ug/L	1.0	0.070	1		01/25/18 13:41	98-82-8	
p-Isopropyltoluene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 13:41	99-87-6	
Methylene chloride	**<0.15**	ug/L	1.0	0.15	1		01/25/18 13:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	10.0	0.42	1		01/25/18 13:41	108-10-1	
Methyl-tert-butyl ether	**<0.060**	ug/L	1.0	0.060	1		01/25/18 13:41	1634-04-4	
Naphthalene	**<0.50**	ug/L	10.0	0.50	1		01/25/18 13:41	91-20-3	
n-Propylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 13:41	103-65-1	
Styrene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 13:41	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 13:41	630-20-6	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-1 **Lab ID: 60262572008** Collected: 01/22/18 14:40 Received: 01/23/18 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 13:41	79-34-5	
Tetrachloroethene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 13:41	127-18-4	
Toluene	**<0.17**	ug/L	1.0	0.17	1		01/25/18 13:41	108-88-3	
1,2,3-Trichlorobenzene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 13:41	87-61-6	
1,2,4-Trichlorobenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 13:41	120-82-1	
1,1,1-Trichloroethane	**0.15J**	ug/L	1.0	0.11	1		01/25/18 13:41	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/25/18 13:41	79-00-5	
Trichloroethene	**<0.17**	ug/L	1.0	0.17	1		01/25/18 13:41	79-01-6	
Trichlorofluoromethane	**<0.34**	ug/L	1.0	0.34	1		01/25/18 13:41	75-69-4	
1,2,3-Trichloropropane	**<0.19**	ug/L	2.5	0.19	1		01/25/18 13:41	96-18-4	
1,2,4-Trimethylbenzene	**<0.090**	ug/L	1.0	0.090	1		01/25/18 13:41	95-63-6	
1,3,5-Trimethylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 13:41	108-67-8	
Vinyl chloride	**<0.13**	ug/L	1.0	0.13	1		01/25/18 13:41	75-01-4	
Xylene (Total)	**<0.42**	ug/L	3.0	0.42	1		01/25/18 13:41	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	80-119		1		01/25/18 13:41	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	80-117		1		01/25/18 13:41	17060-07-0	
Toluene-d8 (S)	98	%	80-115		1		01/25/18 13:41	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		01/25/18 13:41		
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260								
TPH-GRO	**<63.5**	ug/L	500	63.5	1		01/25/18 17:12		
Surrogates									
Toluene-d8 (S)	103	%	80-115		1		01/25/18 17:12	2037-26-5	
4-Bromofluorobenzene (S)	102	%	80-119		1		01/25/18 17:12	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	87-117		1		01/25/18 17:12	17060-07-0	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
pH at 25 Degrees C	**7.0**	Std. Units	0.10	0.10	1		01/26/18 09:25		H6
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**5.6**	mg/L	0.20	0.10	2		01/26/18 11:13		
9056 IC Anions	Analytical Method: EPA 9056								
Sulfate	**127**	mg/L	10.0	5.0	10		02/02/18 18:01	14808-79-8	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-2 **Lab ID: 60262572009** Collected: 01/22/18 16:20 Received: 01/23/18 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 18:01	309-00-2	
alpha-BHC	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/05/18 18:01	319-84-6	
beta-BHC	**<0.010**	ug/L	0.010	0.010	1	01/26/18 12:10	02/05/18 18:01	319-85-7	
delta-BHC	**<0.0090**	ug/L	0.010	0.0090	1	01/26/18 12:10	02/05/18 18:01	319-86-8	
gamma-BHC (Lindane)	**<0.0080**	ug/L	0.010	0.0080	1	01/26/18 12:10	02/05/18 18:01	58-89-9	
Chlordane (Technical)	**<0.090**	ug/L	0.10	0.090	1	01/26/18 12:10	02/05/18 18:01	57-74-9	
alpha-Chlordane	**<0.024**	ug/L	0.10	0.024	1	01/26/18 12:10	02/05/18 18:01	5103-71-9	
gamma-Chlordane	**<0.034**	ug/L	0.10	0.034	1	01/26/18 12:10	02/05/18 18:01	5103-74-2	
4,4'-DDD	**<0.0050**	ug/L	0.010	0.0050	1	01/26/18 12:10	02/05/18 18:01	72-54-8	
4,4'-DDE	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 18:01	72-55-9	
4,4'-DDT	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 18:01	50-29-3	
Dieldrin	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/05/18 18:01	60-57-1	
Endosulfan I	**<0.021**	ug/L	0.10	0.021	1	01/26/18 12:10	02/05/18 18:01	959-98-8	
Endosulfan II	**<0.0090**	ug/L	0.010	0.0090	1	01/26/18 12:10	02/05/18 18:01	33213-65-9	
Endosulfan sulfate	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 18:01	1031-07-8	
Endrin	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 18:01	72-20-8	
Endrin aldehyde	**<0.029**	ug/L	0.10	0.029	1	01/26/18 12:10	02/05/18 18:01	7421-93-4	
Endrin ketone	**<0.025**	ug/L	0.10	0.025	1	01/26/18 12:10	02/05/18 18:01	53494-70-5	
Heptachlor	**<0.0050**	ug/L	0.010	0.0050	1	01/26/18 12:10	02/05/18 18:01	76-44-8	
Heptachlor epoxide	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 18:01	1024-57-3	
Methoxychlor	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/05/18 18:01	72-43-5	
Toxaphene	**<0.61**	ug/L	1.5	0.61	1	01/26/18 12:10	02/05/18 18:01	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	85	%.	54-127		1	01/26/18 12:10	02/05/18 18:01	877-09-8	
Decachlorobiphenyl (S)	78	%.	12-162		1	01/26/18 12:10	02/05/18 18:01	2051-24-3	
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510								
Stirophos (Tetrachlorvinphos)	**<0.36**	ug/L	0.50	0.36	5	01/26/18 12:10	02/05/18 21:42	22248-79-9	
Azinphos, methyl (Guthion)	**<0.46**	ug/L	0.50	0.46	5	01/26/18 12:10	02/05/18 21:42	86-50-0	
Bolstar	**<0.45**	ug/L	0.50	0.45	5	01/26/18 12:10	02/05/18 21:42	35400-43-2	
Chlorpyrifos	**<0.34**	ug/L	0.50	0.34	5	01/26/18 12:10	02/05/18 21:42	2921-88-2	
Coumaphos	**<0.46**	ug/L	0.50	0.46	5	01/26/18 12:10	02/05/18 21:42	56-72-4	
Diazinon	**<0.39**	ug/L	0.50	0.39	5	01/26/18 12:10	02/05/18 21:42	333-41-5	
Dichlorvos	**<0.36**	ug/L	0.50	0.36	5	01/26/18 12:10	02/05/18 21:42	62-73-7	
Dimethoate	**<0.42**	ug/L	0.50	0.42	5	01/26/18 12:10	02/05/18 21:42	60-51-5	
Disulfoton	**<0.36**	ug/L	0.50	0.36	5	01/26/18 12:10	02/05/18 21:42	298-04-4	
EPN (ENT)	**<0.44**	ug/L	0.50	0.44	5	01/26/18 12:10	02/05/18 21:42	2104-64-5	
Ethoprop	**<0.30**	ug/L	0.50	0.30	5	01/26/18 12:10	02/05/18 21:42	13194-48-4	
Fensulfothion	**<0.44**	ug/L	0.50	0.44	5	01/26/18 12:10	02/05/18 21:42	115-90-2	
Fenthion	**<0.44**	ug/L	0.50	0.44	5	01/26/18 12:10	02/05/18 21:42	55-38-9	
Malathion	**<0.43**	ug/L	0.50	0.43	5	01/26/18 12:10	02/05/18 21:42	121-75-5	
Methyl parathion	**<0.35**	ug/L	0.50	0.35	5	01/26/18 12:10	02/05/18 21:42	298-00-0	
Mevinphos	**<0.32**	ug/L	0.50	0.32	5	01/26/18 12:10	02/05/18 21:42	7786-34-7	
Parathion (Ethyl parathion)	**<0.30**	ug/L	0.50	0.30	5	01/26/18 12:10	02/05/18 21:42	56-38-2	M3
Phorate	**<0.32**	ug/L	0.50	0.32	5	01/26/18 12:10	02/05/18 21:42	298-02-2	
Ronnel	**<0.44**	ug/L	0.50	0.44	5	01/26/18 12:10	02/05/18 21:42	299-84-3	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-2 **Lab ID: 60262572009** Collected: 01/22/18 16:20 Received: 01/23/18 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510								
Sulfotep (Thiodiphosphoric Ac	**<0.30**	ug/L	0.50	0.30	5	01/26/18 12:10	02/05/18 21:42	3689-24-5	
Tokuthion (Prothiofos)	**<0.40**	ug/L	0.50	0.40	5	01/26/18 12:10	02/05/18 21:42	34643-46-4	
Trichloronate	**<0.44**	ug/L	0.50	0.44	5	01/26/18 12:10	02/05/18 21:42	327-98-0	M1
Total Demeton	**<0.42**	ug/L	0.50	0.42	5	01/26/18 12:10	02/05/18 21:42	8065-48-3	
Total Merphos	**<0.19**	ug/L	0.50	0.19	5	01/26/18 12:10	02/05/18 21:42	150-50-5	
Surrogates									
Triphenylphosphate (S)	147	%.	10-175		5	01/26/18 12:10	02/05/18 21:42	115-86-6	
Tributylphosphate (S)	116	%.	20-150		5	01/26/18 12:10	02/05/18 21:42	126-73-8	D3
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**4.1**	ug/L	1.0	0.50	2	01/29/18 21:00	02/01/18 19:12	94-75-7	
Dalapon	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 12:59	75-99-0	
2,4-DB	**<0.34**	ug/L	0.50	0.34	1	01/29/18 21:00	02/01/18 12:59	94-82-6	
Dicamba	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 12:59	1918-00-9	
Dichloroprop	**4.2**	ug/L	1.0	0.58	2	01/29/18 21:00	02/01/18 19:12	15165-67-0	
Dinoseb	**<0.50**	ug/L	0.50	0.50	1	01/29/18 21:00	02/01/18 12:59	88-85-7	
MCPA	**<20.0**	ug/L	20.0	20.0	1	01/29/18 21:00	02/01/18 12:59	94-74-6	
MCPP	**<20.0**	ug/L	20.0	20.0	1	01/29/18 21:00	02/01/18 12:59	7085-19-0	
2,4,5-T	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 12:59	93-76-5	
2,4,5-TP (Silvex)	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 12:59	93-72-1	
Surrogates									
2,4-DCAA (S)	101	%.	47-166		1	01/29/18 21:00	02/01/18 12:59	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**42.4**	ug/L	10.0	4.2	1	01/24/18 14:50	01/30/18 12:19	7440-38-2	
Barium	**2570**	ug/L	5.0	0.91	1	01/24/18 14:50	01/30/18 12:19	7440-39-3	
Cadmium	**6.3**	ug/L	5.0	0.64	1	01/24/18 14:50	01/30/18 12:19	7440-43-9	
Chromium	**76.6**	ug/L	5.0	0.72	1	01/24/18 14:50	01/30/18 12:19	7440-47-3	
Lead	**63.8**	ug/L	5.0	2.4	1	01/24/18 14:50	01/30/18 12:19	7439-92-1	
Selenium	**8.8J**	ug/L	15.0	3.4	1	01/24/18 14:50	01/30/18 12:19	7782-49-2	
Silver	**<1.9**	ug/L	7.0	1.9	1	01/24/18 14:50	01/30/18 12:19	7440-22-4	
6010 MET ICP, Dissolved (LF)	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic, Dissolved	**<4.2**	ug/L	10.0	4.2	1	01/30/18 10:10	01/31/18 17:05	7440-38-2	
Barium, Dissolved	**74.5**	ug/L	5.0	0.91	1	01/30/18 10:10	01/31/18 17:05	7440-39-3	
Cadmium, Dissolved	**<0.64**	ug/L	5.0	0.64	1	01/30/18 10:10	01/31/18 17:05	7440-43-9	
Chromium, Dissolved	**0.85J**	ug/L	5.0	0.72	1	01/30/18 10:10	01/31/18 17:05	7440-47-3	
Lead, Dissolved	**<2.4**	ug/L	5.0	2.4	1	01/30/18 10:10	01/31/18 17:05	7439-92-1	
Selenium, Dissolved	**6.9J**	ug/L	15.0	3.4	1	01/30/18 10:10	01/31/18 17:05	7782-49-2	
Silver, Dissolved	**<1.9**	ug/L	7.0	1.9	1	01/30/18 10:10	01/31/18 17:05	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.72**	ug/L	0.20	0.046	1	02/08/18 11:51	02/08/18 15:07	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-2 **Lab ID: 60262572009** Collected: 01/22/18 16:20 Received: 01/23/18 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury, Dissolved (LF)	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.046**	ug/L	0.20	0.046	1	02/08/18 15:58	02/09/18 10:52	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**3.9J**	ug/L	9.3	0.33	1	01/24/18 00:00	01/25/18 19:09	83-32-9	1e
Acenaphthylene	**<0.35**	ug/L	9.3	0.35	1	01/24/18 00:00	01/25/18 19:09	208-96-8	1e
Anthracene	**<0.28**	ug/L	9.3	0.28	1	01/24/18 00:00	01/25/18 19:09	120-12-7	1e
Benzo(a)anthracene	**<0.27**	ug/L	9.3	0.27	1	01/24/18 00:00	01/25/18 19:09	56-55-3	1e
Benzo(a)pyrene	**<0.33**	ug/L	9.3	0.33	1	01/24/18 00:00	01/25/18 19:09	50-32-8	1e
Benzo(b)fluoranthene	**<0.32**	ug/L	9.3	0.32	1	01/24/18 00:00	01/25/18 19:09	205-99-2	1e
Benzo(g,h,i)perylene	**<0.37**	ug/L	9.3	0.37	1	01/24/18 00:00	01/25/18 19:09	191-24-2	1e
Benzo(k)fluoranthene	**<0.39**	ug/L	9.3	0.39	1	01/24/18 00:00	01/25/18 19:09	207-08-9	1e
Benzoic acid	**<2.3**	ug/L	46.3	2.3	1	01/24/18 00:00	01/25/18 19:09	65-85-0	1e
Benzyl alcohol	**<0.32**	ug/L	18.5	0.32	1	01/24/18 00:00	01/25/18 19:09	100-51-6	1e
4-Bromophenylphenyl ether	**<0.35**	ug/L	9.3	0.35	1	01/24/18 00:00	01/25/18 19:09	101-55-3	1e
Butylbenzylphthalate	**<0.37**	ug/L	9.3	0.37	1	01/24/18 00:00	01/25/18 19:09	85-68-7	1e
Carbazole	**<0.32**	ug/L	9.3	0.32	1	01/24/18 00:00	01/25/18 19:09	86-74-8	1e
4-Chloro-3-methylphenol	**<0.23**	ug/L	18.5	0.23	1	01/24/18 00:00	01/25/18 19:09	59-50-7	1e
4-Chloroaniline	**<0.48**	ug/L	18.5	0.48	1	01/24/18 00:00	01/25/18 19:09	106-47-8	1e
bis(2-Chloroethoxy)methane	**<4.6**	ug/L	9.3	4.6	1	01/24/18 00:00	01/25/18 19:09	111-91-1	1e
bis(2-Chloroethyl) ether	**<0.27**	ug/L	9.3	0.27	1	01/24/18 00:00	01/25/18 19:09	111-44-4	1e
bis(2-Chloroisopropyl) ether	**<0.27**	ug/L	9.3	0.27	1	01/24/18 00:00	01/25/18 19:09	39638-32-9	1e
2-Chloronaphthalene	**<0.32**	ug/L	9.3	0.32	1	01/24/18 00:00	01/25/18 19:09	91-58-7	1e
2-Chlorophenol	**<0.28**	ug/L	9.3	0.28	1	01/24/18 00:00	01/25/18 19:09	95-57-8	1e
4-Chlorophenylphenyl ether	**<0.28**	ug/L	9.3	0.28	1	01/24/18 00:00	01/25/18 19:09	7005-72-3	1e
Chrysene	**<0.33**	ug/L	9.3	0.33	1	01/24/18 00:00	01/25/18 19:09	218-01-9	1e
Dibenz(a,h)anthracene	**<0.42**	ug/L	9.3	0.42	1	01/24/18 00:00	01/25/18 19:09	53-70-3	1e
Dibenzofuran	**<0.36**	ug/L	9.3	0.36	1	01/24/18 00:00	01/25/18 19:09	132-64-9	1e
1,2-Dichlorobenzene	**<0.27**	ug/L	9.3	0.27	1	01/24/18 00:00	01/25/18 19:09	95-50-1	1e
1,3-Dichlorobenzene	**<0.50**	ug/L	9.3	0.50	1	01/24/18 00:00	01/25/18 19:09	541-73-1	1e
1,4-Dichlorobenzene	**<0.38**	ug/L	9.3	0.38	1	01/24/18 00:00	01/25/18 19:09	106-46-7	1e
3,3'-Dichlorobenzidine	**<0.36**	ug/L	18.5	0.36	1	01/24/18 00:00	01/25/18 19:09	91-94-1	1e
2,4-Dichlorophenol	**<0.48**	ug/L	9.3	0.48	1	01/24/18 00:00	01/25/18 19:09	120-83-2	1e
Diethylphthalate	**<0.42**	ug/L	9.3	0.42	1	01/24/18 00:00	01/25/18 19:09	84-66-2	1e
2,4-Dimethylphenol	**<0.56**	ug/L	9.3	0.56	1	01/24/18 00:00	01/25/18 19:09	105-67-9	1e
Dimethylphthalate	**<0.32**	ug/L	9.3	0.32	1	01/24/18 00:00	01/25/18 19:09	131-11-3	1e
Di-n-butylphthalate	**<0.36**	ug/L	9.3	0.36	1	01/24/18 00:00	01/25/18 19:09	84-74-2	1e
4,6-Dinitro-2-methylphenol	**<0.51**	ug/L	46.3	0.51	1	01/24/18 00:00	01/25/18 19:09	534-52-1	1e
2,4-Dinitrophenol	**<7.8**	ug/L	46.3	7.8	1	01/24/18 00:00	01/25/18 19:09	51-28-5	1e
2,4-Dinitrotoluene	**<0.31**	ug/L	9.3	0.31	1	01/24/18 00:00	01/25/18 19:09	121-14-2	1e
2,6-Dinitrotoluene	**<0.26**	ug/L	9.3	0.26	1	01/24/18 00:00	01/25/18 19:09	606-20-2	1e
Di-n-octylphthalate	**<0.46**	ug/L	9.3	0.46	1	01/24/18 00:00	01/25/18 19:09	117-84-0	1e
bis(2-Ethylhexyl)phthalate	**<0.57**	ug/L	9.3	0.57	1	01/24/18 00:00	01/25/18 19:09	117-81-7	1e
Fluoranthene	**<0.34**	ug/L	9.3	0.34	1	01/24/18 00:00	01/25/18 19:09	206-44-0	1e
Fluorene	**<0.31**	ug/L	9.3	0.31	1	01/24/18 00:00	01/25/18 19:09	86-73-7	1e
Hexachloro-1,3-butadiene	**<0.35**	ug/L	9.3	0.35	1	01/24/18 00:00	01/25/18 19:09	87-68-3	1e
Hexachlorobenzene	**<0.28**	ug/L	9.3	0.28	1	01/24/18 00:00	01/25/18 19:09	118-74-1	1e

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-2 **Lab ID: 60262572009** Collected: 01/22/18 16:20 Received: 01/23/18 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Hexachlorocyclopentadiene	**<0.32**	ug/L	9.3	0.32	1	01/24/18 00:00	01/25/18 19:09	77-47-4	1e
Hexachloroethane	**<0.27**	ug/L	9.3	0.27	1	01/24/18 00:00	01/25/18 19:09	67-72-1	1e
Indeno(1,2,3-cd)pyrene	**<0.30**	ug/L	9.3	0.30	1	01/24/18 00:00	01/25/18 19:09	193-39-5	1e
Isophorone	**<0.26**	ug/L	9.3	0.26	1	01/24/18 00:00	01/25/18 19:09	78-59-1	1e
2-Methylnaphthalene	**<0.24**	ug/L	9.3	0.24	1	01/24/18 00:00	01/25/18 19:09	91-57-6	1e
2-Methylphenol(o-Cresol)	**<0.26**	ug/L	9.3	0.26	1	01/24/18 00:00	01/25/18 19:09	95-48-7	1e
3&4-Methylphenol(m&p Cresol)	**<4.6**	ug/L	9.3	4.6	1	01/24/18 00:00	01/25/18 19:09		1e
Naphthalene	**<0.33**	ug/L	9.3	0.33	1	01/24/18 00:00	01/25/18 19:09	91-20-3	1e
2-Nitroaniline	**<0.39**	ug/L	46.3	0.39	1	01/24/18 00:00	01/25/18 19:09	88-74-4	1e
3-Nitroaniline	**<0.32**	ug/L	46.3	0.32	1	01/24/18 00:00	01/25/18 19:09	99-09-2	1e
4-Nitroaniline	**<0.32**	ug/L	46.3	0.32	1	01/24/18 00:00	01/25/18 19:09	100-01-6	1e
Nitrobenzene	**<0.28**	ug/L	9.3	0.28	1	01/24/18 00:00	01/25/18 19:09	98-95-3	1e
2-Nitrophenol	**<0.26**	ug/L	9.3	0.26	1	01/24/18 00:00	01/25/18 19:09	88-75-5	1e
4-Nitrophenol	**<0.29**	ug/L	46.3	0.29	1	01/24/18 00:00	01/25/18 19:09	100-02-7	1e
N-Nitroso-di-n-propylamine	**<0.25**	ug/L	9.3	0.25	1	01/24/18 00:00	01/25/18 19:09	621-64-7	1e
N-Nitrosodiphenylamine	**<0.37**	ug/L	9.3	0.37	1	01/24/18 00:00	01/25/18 19:09	86-30-6	1e
Pentachlorophenol	**<0.29**	ug/L	46.3	0.29	1	01/24/18 00:00	01/25/18 19:09	87-86-5	1e
Phenanthrene	**<0.31**	ug/L	9.3	0.31	1	01/24/18 00:00	01/25/18 19:09	85-01-8	1e
Phenol	**<4.6**	ug/L	9.3	4.6	1	01/24/18 00:00	01/25/18 19:09	108-95-2	1e
Pyrene	**<0.26**	ug/L	9.3	0.26	1	01/24/18 00:00	01/25/18 19:09	129-00-0	1e
Pyridine	**<0.29**	ug/L	9.3	0.29	1	01/24/18 00:00	01/25/18 19:09	110-86-1	1e
1,2,4-Trichlorobenzene	**<0.31**	ug/L	9.3	0.31	1	01/24/18 00:00	01/25/18 19:09	120-82-1	1e
2,4,5-Trichlorophenol	**<0.31**	ug/L	46.3	0.31	1	01/24/18 00:00	01/25/18 19:09	95-95-4	1e
2,4,6-Trichlorophenol	**<0.36**	ug/L	9.3	0.36	1	01/24/18 00:00	01/25/18 19:09	88-06-2	1e
Surrogates									
Nitrobenzene-d5 (S)	70	%	33-99		1	01/24/18 00:00	01/25/18 19:09	4165-60-0	
2-Fluorobiphenyl (S)	70	%	30-103		1	01/24/18 00:00	01/25/18 19:09	321-60-8	
Terphenyl-d14 (S)	75	%	38-114		1	01/24/18 00:00	01/25/18 19:09	1718-51-0	
Phenol-d6 (S)	40	%	10-56		1	01/24/18 00:00	01/25/18 19:09	13127-88-3	
2-Fluorophenol (S)	52	%	10-68		1	01/24/18 00:00	01/25/18 19:09	367-12-4	
2,4,6-Tribromophenol (S)	82	%	21-124		1	01/24/18 00:00	01/25/18 19:09	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C								
TPH-ORO	**2.4**	mg/L	0.91	0.91	1	01/24/18 15:00	01/27/18 01:20		1e
TPH-DRO	**75.4**	mg/L	0.91	0.91	1	01/24/18 15:00	01/27/18 01:20		1e
Surrogates									
Nitrobenzene-d5 (S)	88	%	33-99		1	01/24/18 15:00	01/27/18 01:20	4165-60-0	
2-Fluorobiphenyl (S)	70	%	30-103		1	01/24/18 15:00	01/27/18 01:20	321-60-8	
Terphenyl-d14 (S)	52	%	38-114		1	01/24/18 15:00	01/27/18 01:20	1718-51-0	
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**<1.9**	ug/L	10.0	1.9	1		01/25/18 15:33	67-64-1	
Benzene	**<0.060**	ug/L	1.0	0.060	1		01/25/18 15:33	71-43-2	
Bromobenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 15:33	108-86-1	
Bromochloromethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 15:33	74-97-5	
Bromodichloromethane	**<0.19**	ug/L	1.0	0.19	1		01/25/18 15:33	75-27-4	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-2 **Lab ID: 60262572009** Collected: 01/22/18 16:20 Received: 01/23/18 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Bromoform	**<0.070**	ug/L	1.0	0.070	1		01/25/18 15:33	75-25-2	
Bromomethane	**<0.16**	ug/L	5.0	0.16	1		01/25/18 15:33	74-83-9	
2-Butanone (MEK)	**<0.59**	ug/L	10.0	0.59	1		01/25/18 15:33	78-93-3	
n-Butylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 15:33	104-51-8	
sec-Butylbenzene	**<0.050**	ug/L	1.0	0.050	1		01/25/18 15:33	135-98-8	
tert-Butylbenzene	**<0.34**	ug/L	1.0	0.34	1		01/25/18 15:33	98-06-6	
Carbon disulfide	**0.19J**	ug/L	5.0	0.12	1		01/25/18 15:33	75-15-0	
Carbon tetrachloride	**<0.18**	ug/L	1.0	0.18	1		01/25/18 15:33	56-23-5	
Chlorobenzene	**<0.21**	ug/L	1.0	0.21	1		01/25/18 15:33	108-90-7	
Chloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 15:33	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		01/25/18 15:33	67-66-3	
Chloromethane	**<0.080**	ug/L	1.0	0.080	1		01/25/18 15:33	74-87-3	
2-Chlorotoluene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 15:33	95-49-8	
4-Chlorotoluene	**<0.14**	ug/L	1.0	0.14	1		01/25/18 15:33	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.59**	ug/L	2.5	0.59	1		01/25/18 15:33	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		01/25/18 15:33	124-48-1	
1,2-Dibromoethane (EDB)	**<0.17**	ug/L	1.0	0.17	1		01/25/18 15:33	106-93-4	
Dibromomethane	**<0.18**	ug/L	1.0	0.18	1		01/25/18 15:33	74-95-3	
1,2-Dichlorobenzene	**<0.050**	ug/L	1.0	0.050	1		01/25/18 15:33	95-50-1	
1,3-Dichlorobenzene	**<0.070**	ug/L	1.0	0.070	1		01/25/18 15:33	541-73-1	
1,4-Dichlorobenzene	**<0.060**	ug/L	1.0	0.060	1		01/25/18 15:33	106-46-7	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	0.21	1		01/25/18 15:33	75-71-8	
1,1-Dichloroethane	**<0.050**	ug/L	1.0	0.050	1		01/25/18 15:33	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		01/25/18 15:33	107-06-2	
1,2-Dichloroethene (Total)	**<0.28**	ug/L	1.0	0.28	1		01/25/18 15:33	540-59-0	
1,1-Dichloroethene	**<0.20**	ug/L	1.0	0.20	1		01/25/18 15:33	75-35-4	
cis-1,2-Dichloroethene	**<0.080**	ug/L	1.0	0.080	1		01/25/18 15:33	156-59-2	
trans-1,2-Dichloroethene	**<0.20**	ug/L	1.0	0.20	1		01/25/18 15:33	156-60-5	
1,2-Dichloropropane	**<0.16**	ug/L	1.0	0.16	1		01/25/18 15:33	78-87-5	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		01/25/18 15:33	142-28-9	
2,2-Dichloropropane	**<0.19**	ug/L	1.0	0.19	1		01/25/18 15:33	594-20-7	
1,1-Dichloropropene	**<0.090**	ug/L	1.0	0.090	1		01/25/18 15:33	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	1.0	0.14	1		01/25/18 15:33	10061-01-5	
trans-1,3-Dichloropropene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 15:33	10061-02-6	
Ethylbenzene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 15:33	100-41-4	
Hexachloro-1,3-butadiene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 15:33	87-68-3	
2-Hexanone	**<1.2**	ug/L	10.0	1.2	1		01/25/18 15:33	591-78-6	
Isopropylbenzene (Cumene)	**<0.070**	ug/L	1.0	0.070	1		01/25/18 15:33	98-82-8	
p-Isopropyltoluene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 15:33	99-87-6	
Methylene chloride	**<0.15**	ug/L	1.0	0.15	1		01/25/18 15:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	10.0	0.42	1		01/25/18 15:33	108-10-1	
Methyl-tert-butyl ether	**<0.060**	ug/L	1.0	0.060	1		01/25/18 15:33	1634-04-4	
Naphthalene	**<0.50**	ug/L	10.0	0.50	1		01/25/18 15:33	91-20-3	
n-Propylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 15:33	103-65-1	
Styrene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 15:33	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 15:33	630-20-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-2 **Lab ID: 60262572009** Collected: 01/22/18 16:20 Received: 01/23/18 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 15:33	79-34-5	
Tetrachloroethene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 15:33	127-18-4	
Toluene	**<0.17**	ug/L	1.0	0.17	1		01/25/18 15:33	108-88-3	
1,2,3-Trichlorobenzene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 15:33	87-61-6	
1,2,4-Trichlorobenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 15:33	120-82-1	
1,1,1-Trichloroethane	**1.2**	ug/L	1.0	0.11	1		01/25/18 15:33	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/25/18 15:33	79-00-5	
Trichloroethene	**<0.17**	ug/L	1.0	0.17	1		01/25/18 15:33	79-01-6	
Trichlorofluoromethane	**<0.34**	ug/L	1.0	0.34	1		01/25/18 15:33	75-69-4	
1,2,3-Trichloropropane	**<0.19**	ug/L	2.5	0.19	1		01/25/18 15:33	96-18-4	
1,2,4-Trimethylbenzene	**<0.090**	ug/L	1.0	0.090	1		01/25/18 15:33	95-63-6	
1,3,5-Trimethylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 15:33	108-67-8	
Vinyl chloride	**<0.13**	ug/L	1.0	0.13	1		01/25/18 15:33	75-01-4	
Xylene (Total)	**<0.42**	ug/L	3.0	0.42	1		01/25/18 15:33	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	80-119		1		01/25/18 15:33	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	80-117		1		01/25/18 15:33	17060-07-0	
Toluene-d8 (S)	97	%	80-115		1		01/25/18 15:33	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		01/25/18 15:33		
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260								
TPH-GRO	**<63.5**	ug/L	500	63.5	1		01/25/18 17:28		
Surrogates									
Toluene-d8 (S)	103	%	80-115		1		01/25/18 17:28	2037-26-5	
4-Bromofluorobenzene (S)	103	%	80-119		1		01/25/18 17:28	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	87-117		1		01/25/18 17:28	17060-07-0	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
pH at 25 Degrees C	**7.2**	Std. Units	0.10	0.10	1		01/26/18 09:26		H6
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**5.0**	mg/L	0.20	0.10	2		01/26/18 11:14		
9056 IC Anions	Analytical Method: EPA 9056								
Sulfate	**108**	mg/L	10.0	5.0	10		02/02/18 18:15	14808-79-8	

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Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-3 **Lab ID: 60262572010** Collected: 01/22/18 17:20 Received: 01/23/18 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 18:34	309-00-2	
alpha-BHC	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/05/18 18:34	319-84-6	
beta-BHC	**<0.010**	ug/L	0.010	0.010	1	01/26/18 12:10	02/05/18 18:34	319-85-7	
delta-BHC	**<0.0090**	ug/L	0.010	0.0090	1	01/26/18 12:10	02/05/18 18:34	319-86-8	
gamma-BHC (Lindane)	**<0.0080**	ug/L	0.010	0.0080	1	01/26/18 12:10	02/05/18 18:34	58-89-9	
Chlordane (Technical)	**<0.090**	ug/L	0.10	0.090	1	01/26/18 12:10	02/05/18 18:34	57-74-9	
alpha-Chlordane	**<0.024**	ug/L	0.10	0.024	1	01/26/18 12:10	02/05/18 18:34	5103-71-9	
gamma-Chlordane	**<0.034**	ug/L	0.10	0.034	1	01/26/18 12:10	02/05/18 18:34	5103-74-2	
4,4'-DDD	**<0.0050**	ug/L	0.010	0.0050	1	01/26/18 12:10	02/05/18 18:34	72-54-8	
4,4'-DDE	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 18:34	72-55-9	
4,4'-DDT	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 18:34	50-29-3	
Dieldrin	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/05/18 18:34	60-57-1	
Endosulfan I	**<0.021**	ug/L	0.10	0.021	1	01/26/18 12:10	02/05/18 18:34	959-98-8	
Endosulfan II	**<0.0090**	ug/L	0.010	0.0090	1	01/26/18 12:10	02/05/18 18:34	33213-65-9	
Endosulfan sulfate	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 18:34	1031-07-8	
Endrin	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 18:34	72-20-8	
Endrin aldehyde	**<0.029**	ug/L	0.10	0.029	1	01/26/18 12:10	02/05/18 18:34	7421-93-4	
Endrin ketone	**<0.025**	ug/L	0.10	0.025	1	01/26/18 12:10	02/05/18 18:34	53494-70-5	
Heptachlor	**<0.0050**	ug/L	0.010	0.0050	1	01/26/18 12:10	02/05/18 18:34	76-44-8	
Heptachlor epoxide	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 18:34	1024-57-3	
Methoxychlor	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/05/18 18:34	72-43-5	
Toxaphene	**<0.61**	ug/L	1.5	0.61	1	01/26/18 12:10	02/05/18 18:34	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	61	%.	54-127		1	01/26/18 12:10	02/05/18 18:34	877-09-8	
Decachlorobiphenyl (S)	28	%.	12-162		1	01/26/18 12:10	02/05/18 18:34	2051-24-3	
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510								
Stirophos (Tetrachlorvinphos)	**<0.072**	ug/L	0.10	0.072	1	01/26/18 12:10	02/01/18 20:39	22248-79-9	
Azinphos, methyl (Guthion)	**<0.093**	ug/L	0.10	0.093	1	01/26/18 12:10	02/01/18 20:39	86-50-0	
Bolstar	**<0.090**	ug/L	0.10	0.090	1	01/26/18 12:10	02/01/18 20:39	35400-43-2	
Chlorpyrifos	**<0.067**	ug/L	0.10	0.067	1	01/26/18 12:10	02/01/18 20:39	2921-88-2	
Coumaphos	**<0.092**	ug/L	0.10	0.092	1	01/26/18 12:10	02/01/18 20:39	56-72-4	
Diazinon	**<0.078**	ug/L	0.10	0.078	1	01/26/18 12:10	02/01/18 20:39	333-41-5	
Dichlorvos	**<0.073**	ug/L	0.10	0.073	1	01/26/18 12:10	02/01/18 20:39	62-73-7	
Dimethoate	**<0.083**	ug/L	0.10	0.083	1	01/26/18 12:10	02/01/18 20:39	60-51-5	
Disulfoton	**<0.071**	ug/L	0.10	0.071	1	01/26/18 12:10	02/01/18 20:39	298-04-4	
EPN (ENT)	**<0.087**	ug/L	0.10	0.087	1	01/26/18 12:10	02/01/18 20:39	2104-64-5	
Ethoprop	**<0.059**	ug/L	0.10	0.059	1	01/26/18 12:10	02/01/18 20:39	13194-48-4	
Fensulfothion	**<0.087**	ug/L	0.10	0.087	1	01/26/18 12:10	02/01/18 20:39	115-90-2	
Fenthion	**<0.088**	ug/L	0.10	0.088	1	01/26/18 12:10	02/01/18 20:39	55-38-9	
Malathion	**<0.086**	ug/L	0.10	0.086	1	01/26/18 12:10	02/01/18 20:39	121-75-5	
Methyl parathion	**<0.070**	ug/L	0.10	0.070	1	01/26/18 12:10	02/01/18 20:39	298-00-0	
Mevinphos	**<0.065**	ug/L	0.10	0.065	1	01/26/18 12:10	02/01/18 20:39	7786-34-7	
Parathion (Ethyl parathion)	**<0.060**	ug/L	0.10	0.060	1	01/26/18 12:10	02/01/18 20:39	56-38-2	
Phorate	**<0.064**	ug/L	0.10	0.064	1	01/26/18 12:10	02/01/18 20:39	298-02-2	
Ronnel	**<0.088**	ug/L	0.10	0.088	1	01/26/18 12:10	02/01/18 20:39	299-84-3	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-3 **Lab ID: 60262572010** Collected: 01/22/18 17:20 Received: 01/23/18 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510								
Sulfotep (Thiodiphosphoric Ac	**<0.061**	ug/L	0.10	0.061	1	01/26/18 12:10	02/01/18 20:39	3689-24-5	
Tokuthion (Prothiofos)	**<0.081**	ug/L	0.10	0.081	1	01/26/18 12:10	02/01/18 20:39	34643-46-4	
Trichloronate	**<0.087**	ug/L	0.10	0.087	1	01/26/18 12:10	02/01/18 20:39	327-98-0	
Total Demeton	**<0.083**	ug/L	0.10	0.083	1	01/26/18 12:10	02/01/18 20:39	8065-48-3	
Total Merphos	**<0.038**	ug/L	0.10	0.038	1	01/26/18 12:10	02/01/18 20:39	150-50-5	
Surrogates									
Triphenylphosphate (S)	88	%.	10-175		1	01/26/18 12:10	02/01/18 20:39	115-86-6	
Tributylphosphate (S)	129	%.	20-150		1	01/26/18 12:10	02/01/18 20:39	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**3.7**	ug/L	1.0	0.50	2	01/29/18 21:00	02/01/18 19:37	94-75-7	M1
Dalapon	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 13:24	75-99-0	
2,4-DB	**<0.34**	ug/L	0.50	0.34	1	01/29/18 21:00	02/01/18 13:24	94-82-6	
Dicamba	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 13:24	1918-00-9	
Dichloroprop	**4.0**	ug/L	1.0	0.58	2	01/29/18 21:00	02/01/18 19:37	15165-67-0	M1
Dinoseb	**<0.50**	ug/L	0.50	0.50	1	01/29/18 21:00	02/01/18 13:24	88-85-7	
MCPA	**<20.0**	ug/L	20.0	20.0	1	01/29/18 21:00	02/01/18 13:24	94-74-6	
MCPP	**<20.0**	ug/L	20.0	20.0	1	01/29/18 21:00	02/01/18 13:24	7085-19-0	
2,4,5-T	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 13:24	93-76-5	
2,4,5-TP (Silvex)	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 13:24	93-72-1	
Surrogates									
2,4-DCAA (S)	116	%.	47-166		1	01/29/18 21:00	02/01/18 13:24	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**119**	ug/L	10.0	4.2	1	01/24/18 14:50	01/30/18 12:22	7440-38-2	
Barium	**14600**	ug/L	5.0	0.91	1	01/24/18 14:50	01/30/18 12:22	7440-39-3	
Cadmium	**16.1**	ug/L	5.0	0.64	1	01/24/18 14:50	01/30/18 12:22	7440-43-9	
Chromium	**181**	ug/L	5.0	0.72	1	01/24/18 14:50	01/30/18 12:22	7440-47-3	
Lead	**401**	ug/L	5.0	2.4	1	01/24/18 14:50	01/30/18 12:22	7439-92-1	
Selenium	**13.6J**	ug/L	15.0	3.4	1	01/24/18 14:50	01/30/18 12:22	7782-49-2	
Silver	**2.4J**	ug/L	7.0	1.9	1	01/24/18 14:50	01/30/18 12:22	7440-22-4	
6010 MET ICP, Dissolved (LF)	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic, Dissolved	**<4.2**	ug/L	10.0	4.2	1	01/30/18 10:10	01/31/18 17:07	7440-38-2	
Barium, Dissolved	**64.5**	ug/L	5.0	0.91	1	01/30/18 10:10	01/31/18 17:07	7440-39-3	
Cadmium, Dissolved	**<0.64**	ug/L	5.0	0.64	1	01/30/18 10:10	01/31/18 17:07	7440-43-9	
Chromium, Dissolved	**0.80J**	ug/L	5.0	0.72	1	01/30/18 10:10	01/31/18 17:07	7440-47-3	
Lead, Dissolved	**<2.4**	ug/L	5.0	2.4	1	01/30/18 10:10	01/31/18 17:07	7439-92-1	
Selenium, Dissolved	**4.1J**	ug/L	15.0	3.4	1	01/30/18 10:10	01/31/18 17:07	7782-49-2	
Silver, Dissolved	**<1.9**	ug/L	7.0	1.9	1	01/30/18 10:10	01/31/18 17:07	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**31.6**	ug/L	1.0	0.23	5	02/08/18 11:51	02/08/18 16:18	7439-97-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-3 **Lab ID: 60262572010** Collected: 01/22/18 17:20 Received: 01/23/18 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury, Dissolved (LF)	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.046**	ug/L	0.20	0.046	1	02/08/18 15:58	02/09/18 10:54	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**<0.34**	ug/L	9.4	0.34	1	01/24/18 00:00	01/25/18 19:31	83-32-9	1e
Acenaphthylene	**<0.36**	ug/L	9.4	0.36	1	01/24/18 00:00	01/25/18 19:31	208-96-8	1e
Anthracene	**<0.28**	ug/L	9.4	0.28	1	01/24/18 00:00	01/25/18 19:31	120-12-7	1e
Benzo(a)anthracene	**<0.27**	ug/L	9.4	0.27	1	01/24/18 00:00	01/25/18 19:31	56-55-3	1e
Benzo(a)pyrene	**<0.34**	ug/L	9.4	0.34	1	01/24/18 00:00	01/25/18 19:31	50-32-8	1e
Benzo(b)fluoranthene	**<0.33**	ug/L	9.4	0.33	1	01/24/18 00:00	01/25/18 19:31	205-99-2	1e
Benzo(g,h,i)perylene	**<0.38**	ug/L	9.4	0.38	1	01/24/18 00:00	01/25/18 19:31	191-24-2	1e
Benzo(k)fluoranthene	**<0.40**	ug/L	9.4	0.40	1	01/24/18 00:00	01/25/18 19:31	207-08-9	1e
Benzoic acid	**9.7J**	ug/L	47.2	2.4	1	01/24/18 00:00	01/25/18 19:31	65-85-0	1e
Benzyl alcohol	**<0.33**	ug/L	18.9	0.33	1	01/24/18 00:00	01/25/18 19:31	100-51-6	1e
4-Bromophenylphenyl ether	**<0.36**	ug/L	9.4	0.36	1	01/24/18 00:00	01/25/18 19:31	101-55-3	1e
Butylbenzylphthalate	**<0.38**	ug/L	9.4	0.38	1	01/24/18 00:00	01/25/18 19:31	85-68-7	1e
Carbazole	**<0.33**	ug/L	9.4	0.33	1	01/24/18 00:00	01/25/18 19:31	86-74-8	1e
4-Chloro-3-methylphenol	**<0.24**	ug/L	18.9	0.24	1	01/24/18 00:00	01/25/18 19:31	59-50-7	1e
4-Chloroaniline	**<0.49**	ug/L	18.9	0.49	1	01/24/18 00:00	01/25/18 19:31	106-47-8	1e
bis(2-Chloroethoxy)methane	**<4.7**	ug/L	9.4	4.7	1	01/24/18 00:00	01/25/18 19:31	111-91-1	1e
bis(2-Chloroethyl) ether	**<0.27**	ug/L	9.4	0.27	1	01/24/18 00:00	01/25/18 19:31	111-44-4	1e
bis(2-Chloroisopropyl) ether	**<0.27**	ug/L	9.4	0.27	1	01/24/18 00:00	01/25/18 19:31	39638-32-9	1e
2-Chloronaphthalene	**<0.33**	ug/L	9.4	0.33	1	01/24/18 00:00	01/25/18 19:31	91-58-7	1e
2-Chlorophenol	**<0.28**	ug/L	9.4	0.28	1	01/24/18 00:00	01/25/18 19:31	95-57-8	1e
4-Chlorophenylphenyl ether	**<0.28**	ug/L	9.4	0.28	1	01/24/18 00:00	01/25/18 19:31	7005-72-3	1e
Chrysene	**<0.34**	ug/L	9.4	0.34	1	01/24/18 00:00	01/25/18 19:31	218-01-9	1e
Dibenz(a,h)anthracene	**<0.42**	ug/L	9.4	0.42	1	01/24/18 00:00	01/25/18 19:31	53-70-3	1e
Dibenzofuran	**<0.37**	ug/L	9.4	0.37	1	01/24/18 00:00	01/25/18 19:31	132-64-9	1e
1,2-Dichlorobenzene	**<0.27**	ug/L	9.4	0.27	1	01/24/18 00:00	01/25/18 19:31	95-50-1	1e
1,3-Dichlorobenzene	**<0.51**	ug/L	9.4	0.51	1	01/24/18 00:00	01/25/18 19:31	541-73-1	1e
1,4-Dichlorobenzene	**<0.39**	ug/L	9.4	0.39	1	01/24/18 00:00	01/25/18 19:31	106-46-7	1e
3,3'-Dichlorobenzidine	**<0.37**	ug/L	18.9	0.37	1	01/24/18 00:00	01/25/18 19:31	91-94-1	1e
2,4-Dichlorophenol	**<0.49**	ug/L	9.4	0.49	1	01/24/18 00:00	01/25/18 19:31	120-83-2	1e
Diethylphthalate	**<0.42**	ug/L	9.4	0.42	1	01/24/18 00:00	01/25/18 19:31	84-66-2	1e
2,4-Dimethylphenol	**<0.57**	ug/L	9.4	0.57	1	01/24/18 00:00	01/25/18 19:31	105-67-9	1e
Dimethylphthalate	**<0.33**	ug/L	9.4	0.33	1	01/24/18 00:00	01/25/18 19:31	131-11-3	1e
Di-n-butylphthalate	**<0.37**	ug/L	9.4	0.37	1	01/24/18 00:00	01/25/18 19:31	84-74-2	1e
4,6-Dinitro-2-methylphenol	**<0.52**	ug/L	47.2	0.52	1	01/24/18 00:00	01/25/18 19:31	534-52-1	1e
2,4-Dinitrophenol	**<7.9**	ug/L	47.2	7.9	1	01/24/18 00:00	01/25/18 19:31	51-28-5	1e
2,4-Dinitrotoluene	**<0.31**	ug/L	9.4	0.31	1	01/24/18 00:00	01/25/18 19:31	121-14-2	1e
2,6-Dinitrotoluene	**<0.26**	ug/L	9.4	0.26	1	01/24/18 00:00	01/25/18 19:31	606-20-2	1e
Di-n-octylphthalate	**<0.47**	ug/L	9.4	0.47	1	01/24/18 00:00	01/25/18 19:31	117-84-0	1e
bis(2-Ethylhexyl)phthalate	**<0.58**	ug/L	9.4	0.58	1	01/24/18 00:00	01/25/18 19:31	117-81-7	1e
Fluoranthene	**<0.35**	ug/L	9.4	0.35	1	01/24/18 00:00	01/25/18 19:31	206-44-0	1e
Fluorene	**<0.32**	ug/L	9.4	0.32	1	01/24/18 00:00	01/25/18 19:31	86-73-7	1e
Hexachloro-1,3-butadiene	**<0.36**	ug/L	9.4	0.36	1	01/24/18 00:00	01/25/18 19:31	87-68-3	1e
Hexachlorobenzene	**<0.28**	ug/L	9.4	0.28	1	01/24/18 00:00	01/25/18 19:31	118-74-1	1e

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-3 **Lab ID: 60262572010** Collected: 01/22/18 17:20 Received: 01/23/18 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Hexachlorocyclopentadiene	**<0.33**	ug/L	9.4	0.33	1	01/24/18 00:00	01/25/18 19:31	77-47-4	1e
Hexachloroethane	**<0.27**	ug/L	9.4	0.27	1	01/24/18 00:00	01/25/18 19:31	67-72-1	1e
Indeno(1,2,3-cd)pyrene	**<0.30**	ug/L	9.4	0.30	1	01/24/18 00:00	01/25/18 19:31	193-39-5	1e
Isophorone	**<0.26**	ug/L	9.4	0.26	1	01/24/18 00:00	01/25/18 19:31	78-59-1	1e
2-Methylnaphthalene	**<0.25**	ug/L	9.4	0.25	1	01/24/18 00:00	01/25/18 19:31	91-57-6	1e
2-Methylphenol(o-Cresol)	**<0.26**	ug/L	9.4	0.26	1	01/24/18 00:00	01/25/18 19:31	95-48-7	1e
3&4-Methylphenol(m&p Cresol)	**<4.7**	ug/L	9.4	4.7	1	01/24/18 00:00	01/25/18 19:31		1e
Naphthalene	**<0.34**	ug/L	9.4	0.34	1	01/24/18 00:00	01/25/18 19:31	91-20-3	1e
2-Nitroaniline	**<0.40**	ug/L	47.2	0.40	1	01/24/18 00:00	01/25/18 19:31	88-74-4	1e
3-Nitroaniline	**<0.33**	ug/L	47.2	0.33	1	01/24/18 00:00	01/25/18 19:31	99-09-2	1e
4-Nitroaniline	**<0.33**	ug/L	47.2	0.33	1	01/24/18 00:00	01/25/18 19:31	100-01-6	1e
Nitrobenzene	**<0.28**	ug/L	9.4	0.28	1	01/24/18 00:00	01/25/18 19:31	98-95-3	1e
2-Nitrophenol	**<0.26**	ug/L	9.4	0.26	1	01/24/18 00:00	01/25/18 19:31	88-75-5	1e
4-Nitrophenol	**<0.29**	ug/L	47.2	0.29	1	01/24/18 00:00	01/25/18 19:31	100-02-7	1e
N-Nitroso-di-n-propylamine	**<0.25**	ug/L	9.4	0.25	1	01/24/18 00:00	01/25/18 19:31	621-64-7	1e
N-Nitrosodiphenylamine	**<0.38**	ug/L	9.4	0.38	1	01/24/18 00:00	01/25/18 19:31	86-30-6	1e
Pentachlorophenol	**<0.29**	ug/L	47.2	0.29	1	01/24/18 00:00	01/25/18 19:31	87-86-5	1e
Phenanthrene	**<0.32**	ug/L	9.4	0.32	1	01/24/18 00:00	01/25/18 19:31	85-01-8	1e
Phenol	**<4.7**	ug/L	9.4	4.7	1	01/24/18 00:00	01/25/18 19:31	108-95-2	1e
Pyrene	**<0.26**	ug/L	9.4	0.26	1	01/24/18 00:00	01/25/18 19:31	129-00-0	1e
Pyridine	**<0.29**	ug/L	9.4	0.29	1	01/24/18 00:00	01/25/18 19:31	110-86-1	1e
1,2,4-Trichlorobenzene	**<0.31**	ug/L	9.4	0.31	1	01/24/18 00:00	01/25/18 19:31	120-82-1	1e
2,4,5-Trichlorophenol	**<0.31**	ug/L	47.2	0.31	1	01/24/18 00:00	01/25/18 19:31	95-95-4	1e
2,4,6-Trichlorophenol	**<0.37**	ug/L	9.4	0.37	1	01/24/18 00:00	01/25/18 19:31	88-06-2	1e
Surrogates									
Nitrobenzene-d5 (S)	48	%	33-99		1	01/24/18 00:00	01/25/18 19:31	4165-60-0	
2-Fluorobiphenyl (S)	49	%	30-103		1	01/24/18 00:00	01/25/18 19:31	321-60-8	
Terphenyl-d14 (S)	49	%	38-114		1	01/24/18 00:00	01/25/18 19:31	1718-51-0	
Phenol-d6 (S)	34	%	10-56		1	01/24/18 00:00	01/25/18 19:31	13127-88-3	
2-Fluorophenol (S)	43	%	10-68		1	01/24/18 00:00	01/25/18 19:31	367-12-4	
2,4,6-Tribromophenol (S)	56	%	21-124		1	01/24/18 00:00	01/25/18 19:31	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C								
TPH-ORO	**<0.91**	mg/L	0.91	0.91	1	01/24/18 15:00	01/27/18 01:40		1e
TPH-DRO	**1.4**	mg/L	0.91	0.91	1	01/24/18 15:00	01/27/18 01:40		1e
Surrogates									
Nitrobenzene-d5 (S)	74	%	33-99		1	01/24/18 15:00	01/27/18 01:40	4165-60-0	
2-Fluorobiphenyl (S)	76	%	30-103		1	01/24/18 15:00	01/27/18 01:40	321-60-8	
Terphenyl-d14 (S)	56	%	38-114		1	01/24/18 15:00	01/27/18 01:40	1718-51-0	
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**<1.9**	ug/L	10.0	1.9	1		01/25/18 15:19	67-64-1	
Benzene	**<0.060**	ug/L	1.0	0.060	1		01/25/18 15:19	71-43-2	
Bromobenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 15:19	108-86-1	
Bromochloromethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 15:19	74-97-5	
Bromodichloromethane	**<0.19**	ug/L	1.0	0.19	1		01/25/18 15:19	75-27-4	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-3 **Lab ID: 60262572010** Collected: 01/22/18 17:20 Received: 01/23/18 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Bromoform	**<0.070**	ug/L	1.0	0.070	1		01/25/18 15:19	75-25-2	
Bromomethane	**<0.16**	ug/L	5.0	0.16	1		01/25/18 15:19	74-83-9	
2-Butanone (MEK)	**<0.59**	ug/L	10.0	0.59	1		01/25/18 15:19	78-93-3	
n-Butylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 15:19	104-51-8	
sec-Butylbenzene	**<0.050**	ug/L	1.0	0.050	1		01/25/18 15:19	135-98-8	
tert-Butylbenzene	**<0.34**	ug/L	1.0	0.34	1		01/25/18 15:19	98-06-6	
Carbon disulfide	**<0.12**	ug/L	5.0	0.12	1		01/25/18 15:19	75-15-0	
Carbon tetrachloride	**<0.18**	ug/L	1.0	0.18	1		01/25/18 15:19	56-23-5	
Chlorobenzene	**<0.21**	ug/L	1.0	0.21	1		01/25/18 15:19	108-90-7	
Chloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 15:19	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		01/25/18 15:19	67-66-3	
Chloromethane	**<0.080**	ug/L	1.0	0.080	1		01/25/18 15:19	74-87-3	
2-Chlorotoluene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 15:19	95-49-8	
4-Chlorotoluene	**<0.14**	ug/L	1.0	0.14	1		01/25/18 15:19	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.59**	ug/L	2.5	0.59	1		01/25/18 15:19	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		01/25/18 15:19	124-48-1	
1,2-Dibromoethane (EDB)	**<0.17**	ug/L	1.0	0.17	1		01/25/18 15:19	106-93-4	
Dibromomethane	**<0.18**	ug/L	1.0	0.18	1		01/25/18 15:19	74-95-3	
1,2-Dichlorobenzene	**<0.050**	ug/L	1.0	0.050	1		01/25/18 15:19	95-50-1	
1,3-Dichlorobenzene	**<0.070**	ug/L	1.0	0.070	1		01/25/18 15:19	541-73-1	
1,4-Dichlorobenzene	**<0.060**	ug/L	1.0	0.060	1		01/25/18 15:19	106-46-7	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	0.21	1		01/25/18 15:19	75-71-8	
1,1-Dichloroethane	**<0.050**	ug/L	1.0	0.050	1		01/25/18 15:19	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		01/25/18 15:19	107-06-2	
1,2-Dichloroethene (Total)	**<0.28**	ug/L	1.0	0.28	1		01/25/18 15:19	540-59-0	
1,1-Dichloroethene	**<0.20**	ug/L	1.0	0.20	1		01/25/18 15:19	75-35-4	
cis-1,2-Dichloroethene	**<0.080**	ug/L	1.0	0.080	1		01/25/18 15:19	156-59-2	
trans-1,2-Dichloroethene	**<0.20**	ug/L	1.0	0.20	1		01/25/18 15:19	156-60-5	
1,2-Dichloropropane	**<0.16**	ug/L	1.0	0.16	1		01/25/18 15:19	78-87-5	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		01/25/18 15:19	142-28-9	
2,2-Dichloropropane	**<0.19**	ug/L	1.0	0.19	1		01/25/18 15:19	594-20-7	
1,1-Dichloropropene	**<0.090**	ug/L	1.0	0.090	1		01/25/18 15:19	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	1.0	0.14	1		01/25/18 15:19	10061-01-5	
trans-1,3-Dichloropropene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 15:19	10061-02-6	
Ethylbenzene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 15:19	100-41-4	
Hexachloro-1,3-butadiene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 15:19	87-68-3	
2-Hexanone	**<1.2**	ug/L	10.0	1.2	1		01/25/18 15:19	591-78-6	
Isopropylbenzene (Cumene)	**<0.070**	ug/L	1.0	0.070	1		01/25/18 15:19	98-82-8	
p-Isopropyltoluene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 15:19	99-87-6	
Methylene chloride	**<0.15**	ug/L	1.0	0.15	1		01/25/18 15:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	10.0	0.42	1		01/25/18 15:19	108-10-1	
Methyl-tert-butyl ether	**<0.060**	ug/L	1.0	0.060	1		01/25/18 15:19	1634-04-4	
Naphthalene	**<0.50**	ug/L	10.0	0.50	1		01/25/18 15:19	91-20-3	
n-Propylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 15:19	103-65-1	
Styrene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 15:19	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 15:19	630-20-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: SB-3 **Lab ID: 60262572010** Collected: 01/22/18 17:20 Received: 01/23/18 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 15:19	79-34-5	
Tetrachloroethene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 15:19	127-18-4	
Toluene	**<0.17**	ug/L	1.0	0.17	1		01/25/18 15:19	108-88-3	
1,2,3-Trichlorobenzene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 15:19	87-61-6	
1,2,4-Trichlorobenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 15:19	120-82-1	
1,1,1-Trichloroethane	**0.67J**	ug/L	1.0	0.11	1		01/25/18 15:19	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/25/18 15:19	79-00-5	
Trichloroethene	**<0.17**	ug/L	1.0	0.17	1		01/25/18 15:19	79-01-6	
Trichlorofluoromethane	**<0.34**	ug/L	1.0	0.34	1		01/25/18 15:19	75-69-4	
1,2,3-Trichloropropane	**<0.19**	ug/L	2.5	0.19	1		01/25/18 15:19	96-18-4	
1,2,4-Trimethylbenzene	**<0.090**	ug/L	1.0	0.090	1		01/25/18 15:19	95-63-6	
1,3,5-Trimethylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 15:19	108-67-8	
Vinyl chloride	**<0.13**	ug/L	1.0	0.13	1		01/25/18 15:19	75-01-4	
Xylene (Total)	**<0.42**	ug/L	3.0	0.42	1		01/25/18 15:19	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	80-119		1		01/25/18 15:19	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	80-117		1		01/25/18 15:19	17060-07-0	
Toluene-d8 (S)	99	%	80-115		1		01/25/18 15:19	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		01/25/18 15:19		
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260								
TPH-GRO	**<63.5**	ug/L	500	63.5	1		01/25/18 17:43		
Surrogates									
Toluene-d8 (S)	104	%	80-115		1		01/25/18 17:43	2037-26-5	
4-Bromofluorobenzene (S)	103	%	80-119		1		01/25/18 17:43	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	87-117		1		01/25/18 17:43	17060-07-0	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
pH at 25 Degrees C	**7.3**	Std. Units	0.10	0.10	1		01/26/18 09:28		H6
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**6.0**	mg/L	0.20	0.10	2		01/26/18 11:15		
9056 IC Anions	Analytical Method: EPA 9056								
Sulfate	**112**	mg/L	10.0	5.0	10		02/02/18 18:29	14808-79-8	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: TRIP BLANK SOIL **Lab ID: 60262572011** Collected: 01/22/18 13:50 Received: 01/23/18 12:15 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**<10.0**	ug/kg	20.0	10.0	1		01/31/18 12:27	67-64-1	
Benzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	71-43-2	
Bromobenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	108-86-1	
Bromochloromethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	74-97-5	
Bromodichloromethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	75-27-4	
Bromoform	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	75-25-2	
Bromomethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/kg	10.0	5.0	1		01/31/18 12:27	78-93-3	
n-Butylbenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	104-51-8	
sec-Butylbenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	135-98-8	
tert-Butylbenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	98-06-6	
Carbon disulfide	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	75-15-0	
Carbon tetrachloride	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	56-23-5	
Chlorobenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	108-90-7	
Chloroethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	75-00-3	
Chloroform	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	67-66-3	
Chloromethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	74-87-3	
2-Chlorotoluene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	95-49-8	
4-Chlorotoluene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.0**	ug/kg	10.0	5.0	1		01/31/18 12:27	96-12-8	
Dibromochloromethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	124-48-1	
1,2-Dibromoethane (EDB)	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	106-93-4	
Dibromomethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	74-95-3	
1,2-Dichlorobenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	95-50-1	
1,3-Dichlorobenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	541-73-1	
1,4-Dichlorobenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	106-46-7	
Dichlorodifluoromethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	75-71-8	
1,1-Dichloroethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	75-34-3	
1,2-Dichloroethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	107-06-2	
1,2-Dichloroethene (Total)	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	540-59-0	
1,1-Dichloroethene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	75-35-4	
cis-1,2-Dichloroethene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	156-59-2	
trans-1,2-Dichloroethene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	156-60-5	L2
1,2-Dichloropropane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	78-87-5	
1,3-Dichloropropane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	142-28-9	
2,2-Dichloropropane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	594-20-7	
1,1-Dichloropropene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	563-58-6	
cis-1,3-Dichloropropene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	10061-01-5	
trans-1,3-Dichloropropene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	10061-02-6	
Ethylbenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	100-41-4	
Hexachloro-1,3-butadiene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	87-68-3	
2-Hexanone	**<10.0**	ug/kg	20.0	10.0	1		01/31/18 12:27	591-78-6	
Isopropylbenzene (Cumene)	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	98-82-8	
p-Isopropyltoluene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	99-87-6	
Methylene chloride	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	75-09-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Sample: TRIP BLANK SOIL **Lab ID: 60262572011** Collected: 01/22/18 13:50 Received: 01/23/18 12:15 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/kg	10.0	5.0	1		01/31/18 12:27	108-10-1	
Methyl-tert-butyl ether	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	1634-04-4	
Naphthalene	**<5.0**	ug/kg	10.0	5.0	1		01/31/18 12:27	91-20-3	
n-Propylbenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	103-65-1	
Styrene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	79-34-5	
Tetrachloroethene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	127-18-4	
Toluene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	108-88-3	
1,2,3-Trichlorobenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	87-61-6	
1,2,4-Trichlorobenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	120-82-1	
1,1,1-Trichloroethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	71-55-6	
1,1,2-Trichloroethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	79-00-5	
Trichloroethene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	79-01-6	
Trichlorofluoromethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	75-69-4	
1,2,3-Trichloropropane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	96-18-4	
1,2,4-Trimethylbenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	95-63-6	
1,3,5-Trimethylbenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	108-67-8	
Vinyl chloride	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	75-01-4	
Xylene (Total)	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 12:27	1330-20-7	
Surrogates									
Toluene-d8 (S)	102	%	78-122		1		01/31/18 12:27	2037-26-5	
4-Bromofluorobenzene (S)	104	%	69-133		1		01/31/18 12:27	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	80-123		1		01/31/18 12:27	17060-07-0	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 513439 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 60262572008, 60262572009, 60262572010

METHOD BLANK: 2101718 Matrix: Water
Associated Lab Samples: 60262572008, 60262572009, 60262572010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	<0.046	0.20	0.046	02/08/18 15:00	

LABORATORY CONTROL SAMPLE: 2101719

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.9	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2101720 2101721

Parameter	Units	60263480001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.6	4.8	92	96	75-125	3	20	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 513471 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury ,Dissolved
Associated Lab Samples: 60262572008, 60262572009, 60262572010

METHOD BLANK: 2101839 Matrix: Water
Associated Lab Samples: 60262572008, 60262572009, 60262572010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.046	0.20	0.046	02/09/18 10:41	

LABORATORY CONTROL SAMPLE: 2101840

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.6	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2101841 2101842

Parameter	Units	60262644016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	<0.046	5	5	5.3	5.0	106	100	75-125	6	20	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 511728 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007

METHOD BLANK: 2095315 Matrix: Solid
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	<0.0066	0.050	0.0066	01/25/18 11:25	

LABORATORY CONTROL SAMPLE: 2095316

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.5	0.49	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2095317 2095318

Parameter	Units	60262572001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.31	.58	.53	1.1	1.1	141	142	75-125	8	20	M1

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 511567 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007

METHOD BLANK: 2094751 Matrix: Solid
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	<0.41	1.0	0.41	01/25/18 11:52	
Barium	mg/kg	<0.031	0.50	0.031	01/25/18 11:52	
Cadmium	mg/kg	<0.037	0.50	0.037	01/25/18 11:52	
Chromium	mg/kg	<0.10	0.50	0.10	01/25/18 11:52	
Lead	mg/kg	<0.21	0.50	0.21	01/25/18 11:52	
Selenium	mg/kg	<0.75	1.5	0.75	01/25/18 11:52	
Silver	mg/kg	<0.17	0.70	0.17	01/25/18 11:52	

LABORATORY CONTROL SAMPLE: 2094752

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	100	92.7	93	80-120	
Barium	mg/kg	100	96.9	97	80-120	
Cadmium	mg/kg	100	95.3	95	80-120	
Chromium	mg/kg	100	94.2	94	80-120	
Lead	mg/kg	100	95.9	96	80-120	
Selenium	mg/kg	100	95.3	95	80-120	
Silver	mg/kg	50	47.6	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2094753 2094754

Parameter	Units	60262572001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	7.3	113	117	113	117	94	94	75-125	3	20	
Barium	mg/kg	280	113	117	456	386	156	91	75-125	17	20	M1
Cadmium	mg/kg	0.84	113	117	106	111	93	95	75-125	5	20	
Chromium	mg/kg	15.4	113	117	120	123	93	92	75-125	2	20	
Lead	mg/kg	89.1	113	117	192	190	91	86	75-125	1	20	
Selenium	mg/kg	<0.91	113	117	103	108	90	92	75-125	5	20	
Silver	mg/kg	<0.20	56.5	58.6	53.3	56.4	94	96	75-125	6	20	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 513613 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 60262572008, 60262572009, 60262572010

METHOD BLANK: 2102354 Matrix: Water
Associated Lab Samples: 60262572008, 60262572009, 60262572010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	<4.2	10.0	4.2	01/30/18 12:01	
Barium	ug/L	<0.91	5.0	0.91	01/30/18 12:01	
Cadmium	ug/L	<0.64	5.0	0.64	01/30/18 12:01	
Chromium	ug/L	<0.72	5.0	0.72	01/30/18 12:01	
Lead	ug/L	<2.4	5.0	2.4	01/30/18 12:01	
Selenium	ug/L	<3.4	15.0	3.4	01/30/18 12:01	
Silver	ug/L	<1.9	7.0	1.9	01/30/18 12:01	

LABORATORY CONTROL SAMPLE: 2102355

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	951	95	80-120	
Barium	ug/L	1000	973	97	80-120	
Cadmium	ug/L	1000	982	98	80-120	
Chromium	ug/L	1000	982	98	80-120	
Lead	ug/L	1000	990	99	80-120	
Selenium	ug/L	1000	979	98	80-120	
Silver	ug/L	500	496	99	80-120	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 513463 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET Dissolved
Associated Lab Samples: 60262572008, 60262572009, 60262572010

METHOD BLANK: 2101805 Matrix: Water
Associated Lab Samples: 60262572008, 60262572009, 60262572010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	<4.2	10.0	4.2	01/31/18 17:00	
Barium, Dissolved	ug/L	<0.91	5.0	0.91	01/31/18 17:00	
Cadmium, Dissolved	ug/L	<0.64	5.0	0.64	01/31/18 17:00	
Chromium, Dissolved	ug/L	<0.72	5.0	0.72	01/31/18 17:00	
Lead, Dissolved	ug/L	<2.4	5.0	2.4	01/31/18 17:00	
Selenium, Dissolved	ug/L	<3.4	15.0	3.4	01/31/18 17:00	
Silver, Dissolved	ug/L	<1.9	7.0	1.9	01/31/18 17:00	

LABORATORY CONTROL SAMPLE: 2101806

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	1000	956	96	80-120	
Barium, Dissolved	ug/L	1000	991	99	80-120	
Cadmium, Dissolved	ug/L	1000	988	99	80-120	
Chromium, Dissolved	ug/L	1000	1020	102	80-120	
Lead, Dissolved	ug/L	1000	1030	103	80-120	
Selenium, Dissolved	ug/L	1000	1010	101	80-120	
Silver, Dissolved	ug/L	500	494	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2101807 2101808

Parameter	Units	60262644015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic, Dissolved	ug/L	<4.2	1000	1000	985	974	98	97	75-125	1	20	
Barium, Dissolved	ug/L	70.2	1000	1000	1050	1030	98	96	75-125	1	20	
Cadmium, Dissolved	ug/L	<0.64	1000	1000	988	976	99	98	75-125	1	20	
Chromium, Dissolved	ug/L	1.4J	1000	1000	996	986	99	98	75-125	1	20	
Lead, Dissolved	ug/L	<2.4	1000	1000	966	961	97	96	75-125	0	20	
Selenium, Dissolved	ug/L	4.5J	1000	1000	1020	1010	101	100	75-125	1	20	
Silver, Dissolved	ug/L	<1.9	500	500	493	487	99	97	75-125	1	20	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 511774 Analysis Method: EPA 5035A/8260
QC Batch Method: EPA 5035A/8260 Analysis Description: 8260 MSV GRO and Oxygenates
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007

METHOD BLANK: 2095493 Matrix: Solid
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH-GRO	mg/kg	<0.25	0.50	0.25	01/31/18 12:11	

LABORATORY CONTROL SAMPLE: 2095494

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	4	4.4	111	61-140	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 511785 Analysis Method: EPA 5030B/8260
QC Batch Method: EPA 5030B/8260 Analysis Description: 8260 MSV Water 10 mL Purge
Associated Lab Samples: 60262572008, 60262572009, 60262572010

METHOD BLANK: 2095520 Matrix: Water
Associated Lab Samples: 60262572008, 60262572009, 60262572010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.15	1.0	0.15	01/25/18 11:21	
1,1,1-Trichloroethane	ug/L	<0.11	1.0	0.11	01/25/18 11:21	
1,1,2,2-Tetrachloroethane	ug/L	<0.15	1.0	0.15	01/25/18 11:21	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	0.20	01/25/18 11:21	
1,1-Dichloroethane	ug/L	<0.050	1.0	0.050	01/25/18 11:21	
1,1-Dichloroethene	ug/L	<0.20	1.0	0.20	01/25/18 11:21	
1,1-Dichloropropene	ug/L	<0.090	1.0	0.090	01/25/18 11:21	
1,2,3-Trichlorobenzene	ug/L	<0.12	1.0	0.12	01/25/18 11:21	
1,2,3-Trichloropropane	ug/L	<0.19	2.5	0.19	01/25/18 11:21	
1,2,4-Trichlorobenzene	ug/L	<0.10	1.0	0.10	01/25/18 11:21	
1,2,4-Trimethylbenzene	ug/L	0.11J	1.0	0.090	01/25/18 11:21	
1,2-Dibromo-3-chloropropane	ug/L	<0.59	2.5	0.59	01/25/18 11:21	
1,2-Dibromoethane (EDB)	ug/L	<0.17	1.0	0.17	01/25/18 11:21	
1,2-Dichlorobenzene	ug/L	<0.050	1.0	0.050	01/25/18 11:21	
1,2-Dichloroethane	ug/L	<0.12	1.0	0.12	01/25/18 11:21	
1,2-Dichloroethene (Total)	ug/L	<0.28	1.0	0.28	01/25/18 11:21	
1,2-Dichloropropane	ug/L	<0.16	1.0	0.16	01/25/18 11:21	
1,3,5-Trimethylbenzene	ug/L	<0.10	1.0	0.10	01/25/18 11:21	
1,3-Dichlorobenzene	ug/L	<0.070	1.0	0.070	01/25/18 11:21	
1,3-Dichloropropane	ug/L	<0.17	1.0	0.17	01/25/18 11:21	
1,4-Dichlorobenzene	ug/L	<0.060	1.0	0.060	01/25/18 11:21	
2,2-Dichloropropane	ug/L	<0.19	1.0	0.19	01/25/18 11:21	
2-Butanone (MEK)	ug/L	<0.59	10.0	0.59	01/25/18 11:21	
2-Chlorotoluene	ug/L	<0.12	1.0	0.12	01/25/18 11:21	
2-Hexanone	ug/L	<1.2	10.0	1.2	01/25/18 11:21	
4-Chlorotoluene	ug/L	<0.14	1.0	0.14	01/25/18 11:21	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.42	10.0	0.42	01/25/18 11:21	
Acetone	ug/L	<1.9	10.0	1.9	01/25/18 11:21	
Benzene	ug/L	<0.060	1.0	0.060	01/25/18 11:21	
Bromobenzene	ug/L	<0.10	1.0	0.10	01/25/18 11:21	
Bromochloromethane	ug/L	<0.15	1.0	0.15	01/25/18 11:21	
Bromodichloromethane	ug/L	<0.19	1.0	0.19	01/25/18 11:21	
Bromoform	ug/L	<0.070	1.0	0.070	01/25/18 11:21	
Bromomethane	ug/L	<0.16	5.0	0.16	01/25/18 11:21	
Carbon disulfide	ug/L	<0.12	5.0	0.12	01/25/18 11:21	
Carbon tetrachloride	ug/L	<0.18	1.0	0.18	01/25/18 11:21	
Chlorobenzene	ug/L	<0.21	1.0	0.21	01/25/18 11:21	
Chloroethane	ug/L	<0.15	1.0	0.15	01/25/18 11:21	
Chloroform	ug/L	<0.14	1.0	0.14	01/25/18 11:21	
Chloromethane	ug/L	<0.080	1.0	0.080	01/25/18 11:21	
cis-1,2-Dichloroethene	ug/L	<0.080	1.0	0.080	01/25/18 11:21	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

METHOD BLANK: 2095520 Matrix: Water
Associated Lab Samples: 60262572008, 60262572009, 60262572010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	<0.14	1.0	0.14	01/25/18 11:21	
Dibromochloromethane	ug/L	<0.21	1.0	0.21	01/25/18 11:21	
Dibromomethane	ug/L	<0.18	1.0	0.18	01/25/18 11:21	
Dichlorodifluoromethane	ug/L	<0.21	1.0	0.21	01/25/18 11:21	
Ethylbenzene	ug/L	<0.18	1.0	0.18	01/25/18 11:21	
Hexachloro-1,3-butadiene	ug/L	<0.18	1.0	0.18	01/25/18 11:21	
Isopropylbenzene (Cumene)	ug/L	<0.070	1.0	0.070	01/25/18 11:21	
Methyl-tert-butyl ether	ug/L	<0.060	1.0	0.060	01/25/18 11:21	
Methylene chloride	ug/L	<0.15	1.0	0.15	01/25/18 11:21	
n-Butylbenzene	ug/L	<0.10	1.0	0.10	01/25/18 11:21	
n-Propylbenzene	ug/L	<0.10	1.0	0.10	01/25/18 11:21	
Naphthalene	ug/L	<0.50	10.0	0.50	01/25/18 11:21	
p-Isopropyltoluene	ug/L	<0.10	1.0	0.10	01/25/18 11:21	
sec-Butylbenzene	ug/L	<0.050	1.0	0.050	01/25/18 11:21	
Styrene	ug/L	<0.12	1.0	0.12	01/25/18 11:21	
tert-Butylbenzene	ug/L	<0.34	1.0	0.34	01/25/18 11:21	
Tetrachloroethene	ug/L	<0.10	1.0	0.10	01/25/18 11:21	
Toluene	ug/L	<0.17	1.0	0.17	01/25/18 11:21	
trans-1,2-Dichloroethene	ug/L	<0.20	1.0	0.20	01/25/18 11:21	
trans-1,3-Dichloropropene	ug/L	<0.12	1.0	0.12	01/25/18 11:21	
Trichloroethene	ug/L	<0.17	1.0	0.17	01/25/18 11:21	
Trichlorofluoromethane	ug/L	<0.34	1.0	0.34	01/25/18 11:21	
Vinyl chloride	ug/L	<0.13	1.0	0.13	01/25/18 11:21	
Xylene (Total)	ug/L	<0.42	3.0	0.42	01/25/18 11:21	
1,2-Dichloroethane-d4 (S)	%	100	80-117		01/25/18 11:21	
4-Bromofluorobenzene (S)	%	101	80-119		01/25/18 11:21	
Toluene-d8 (S)	%	99	80-115		01/25/18 11:21	

LABORATORY CONTROL SAMPLE: 2095521

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.0	100	86-115	
1,1,1-Trichloroethane	ug/L	20	20.4	102	87-122	
1,1,2,2-Tetrachloroethane	ug/L	20	21.2	106	74-121	
1,1,2-Trichloroethane	ug/L	20	20.3	101	83-119	
1,1-Dichloroethane	ug/L	20	20.7	104	85-128	
1,1-Dichloroethene	ug/L	20	18.9	95	85-123	
1,1-Dichloropropene	ug/L	20	21.1	106	87-124	
1,2,3-Trichlorobenzene	ug/L	20	21.3	107	74-122	
1,2,3-Trichloropropane	ug/L	20	21.1	105	76-125	
1,2,4-Trichlorobenzene	ug/L	20	20.3	102	80-120	
1,2,4-Trimethylbenzene	ug/L	20	19.4	97	83-121	
1,2-Dibromo-3-chloropropane	ug/L	20	23.3	117	64-132	
1,2-Dibromoethane (EDB)	ug/L	20	20.8	104	84-118	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

LABORATORY CONTROL SAMPLE: 2095521

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/L	20	19.9	99	83-118	
1,2-Dichloroethane	ug/L	20	21.2	106	77-120	
1,2-Dichloroethene (Total)	ug/L	40	42.2	106	85-120	
1,2-Dichloropropane	ug/L	20	21.3	106	81-126	
1,3,5-Trimethylbenzene	ug/L	20	20.0	100	82-120	
1,3-Dichlorobenzene	ug/L	20	20.2	101	84-118	
1,3-Dichloropropane	ug/L	20	19.1	96	79-132	
1,4-Dichlorobenzene	ug/L	20	19.5	97	83-118	
2,2-Dichloropropane	ug/L	20	21.9	110	64-129	
2-Butanone (MEK)	ug/L	100	115	115	65-134	
2-Chlorotoluene	ug/L	20	19.9	100	85-115	
2-Hexanone	ug/L	100	112	112	68-132	
4-Chlorotoluene	ug/L	20	19.3	97	85-118	
4-Methyl-2-pentanone (MIBK)	ug/L	100	115	115	66-139	
Acetone	ug/L	100	107	107	62-142	
Benzene	ug/L	20	21.0	105	81-118	
Bromobenzene	ug/L	20	20.8	104	82-116	
Bromochloromethane	ug/L	20	19.5	97	82-129	
Bromodichloromethane	ug/L	20	21.3	106	85-123	
Bromoform	ug/L	20	19.7	99	83-123	
Bromomethane	ug/L	20	17.2	86	39-149	
Carbon disulfide	ug/L	20	17.2	86	85-124	
Carbon tetrachloride	ug/L	20	21.2	106	85-126	
Chlorobenzene	ug/L	20	20.1	100	87-118	
Chloroethane	ug/L	20	16.2	81	73-134	
Chloroform	ug/L	20	20.6	103	85-119	
Chloromethane	ug/L	20	19.7	99	20-174	
cis-1,2-Dichloroethene	ug/L	20	20.9	104	84-121	
cis-1,3-Dichloropropene	ug/L	20	22.1	110	80-124	
Dibromochloromethane	ug/L	20	20.8	104	83-122	
Dibromomethane	ug/L	20	20.5	103	82-125	
Dichlorodifluoromethane	ug/L	20	17.3	86	67-149	
Ethylbenzene	ug/L	20	20.1	100	80-118	
Hexachloro-1,3-butadiene	ug/L	20	19.5	97	75-117	
Isopropylbenzene (Cumene)	ug/L	20	20.3	102	89-120	
Methyl-tert-butyl ether	ug/L	20	22.0	110	82-119	
Methylene chloride	ug/L	20	20.3	101	81-126	
n-Butylbenzene	ug/L	20	20.1	100	80-116	
n-Propylbenzene	ug/L	20	20.1	100	83-119	
Naphthalene	ug/L	20	22.6	113	71-121	
p-Isopropyltoluene	ug/L	20	19.1	96	82-117	
sec-Butylbenzene	ug/L	20	20.8	104	81-113	
Styrene	ug/L	20	21.1	105	85-120	
tert-Butylbenzene	ug/L	20	20.0	100	85-116	
Tetrachloroethene	ug/L	20	19.0	95	87-120	
Toluene	ug/L	20	20.0	100	82-118	
trans-1,2-Dichloroethene	ug/L	20	21.3	107	83-121	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

LABORATORY CONTROL SAMPLE: 2095521

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/L	20	20.4	102	80-122	
Trichloroethene	ug/L	20	20.7	103	82-120	
Trichlorofluoromethane	ug/L	20	20.2	101	86-133	
Vinyl chloride	ug/L	20	20.8	104	74-147	
Xylene (Total)	ug/L	60	60.3	100	81-120	
1,2-Dichloroethane-d4 (S)	%			103	80-117	
4-Bromofluorobenzene (S)	%			101	80-119	
Toluene-d8 (S)	%			96	80-115	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 511832 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV MO GRO Oxygenates
Associated Lab Samples: 60262572008, 60262572009, 60262572010

METHOD BLANK: 2095688 Matrix: Water
Associated Lab Samples: 60262572008, 60262572009, 60262572010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH-GRO	ug/L	<63.5	500	63.5	01/25/18 13:24	
1,2-Dichloroethane-d4 (S)	%	96	87-117		01/25/18 13:24	
4-Bromofluorobenzene (S)	%	104	80-119		01/25/18 13:24	
Toluene-d8 (S)	%	103	80-115		01/25/18 13:24	

LABORATORY CONTROL SAMPLE: 2095689

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	ug/L	4000	4420	111	77-146	
1,2-Dichloroethane-d4 (S)	%			95	87-117	
4-Bromofluorobenzene (S)	%			96	80-119	
Toluene-d8 (S)	%			102	80-115	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 511857 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007, 60262572011

METHOD BLANK: 2095754 Matrix: Solid
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007, 60262572011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,1,1-Trichloroethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,1,2,2-Tetrachloroethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,1,2-Trichloroethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,1-Dichloroethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,1-Dichloroethene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,1-Dichloropropene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,2,3-Trichlorobenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,2,3-Trichloropropane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,2,4-Trichlorobenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,2,4-Trimethylbenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,2-Dibromo-3-chloropropane	ug/kg	<5.0	10.0	5.0	01/31/18 12:11	
1,2-Dibromoethane (EDB)	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,2-Dichlorobenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,2-Dichloroethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,2-Dichloroethene (Total)	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,2-Dichloropropane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,3,5-Trimethylbenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,3-Dichlorobenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,3-Dichloropropane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,4-Dichlorobenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
2,2-Dichloropropane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
2-Butanone (MEK)	ug/kg	<5.0	10.0	5.0	01/31/18 12:11	
2-Chlorotoluene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
2-Hexanone	ug/kg	<10.0	20.0	10.0	01/31/18 12:11	
4-Chlorotoluene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
4-Methyl-2-pentanone (MIBK)	ug/kg	<5.0	10.0	5.0	01/31/18 12:11	
Acetone	ug/kg	<10.0	20.0	10.0	01/31/18 12:11	
Benzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Bromobenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Bromochloromethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Bromodichloromethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Bromoform	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Bromomethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Carbon disulfide	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Carbon tetrachloride	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Chlorobenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Chloroethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Chloroform	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Chloromethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

METHOD BLANK: 2095754 Matrix: Solid
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007, 60262572011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
cis-1,3-Dichloropropene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Dibromochloromethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Dibromomethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Dichlorodifluoromethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Ethylbenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Hexachloro-1,3-butadiene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Isopropylbenzene (Cumene)	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Methyl-tert-butyl ether	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Methylene chloride	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
n-Butylbenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
n-Propylbenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Naphthalene	ug/kg	<5.0	10.0	5.0	01/31/18 12:11	
p-Isopropyltoluene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
sec-Butylbenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Styrene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
tert-Butylbenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Tetrachloroethene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Toluene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
trans-1,2-Dichloroethene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
trans-1,3-Dichloropropene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Trichloroethene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Trichlorofluoromethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Vinyl chloride	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Xylene (Total)	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,2-Dichloroethane-d4 (S)	%	107	80-123		01/31/18 12:11	
4-Bromofluorobenzene (S)	%	105	69-133		01/31/18 12:11	
Toluene-d8 (S)	%	104	78-122		01/31/18 12:11	

LABORATORY CONTROL SAMPLE: 2095755

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	113	113	79-131	
1,1,1-Trichloroethane	ug/kg	100	111	111	75-138	
1,1,2,2-Tetrachloroethane	ug/kg	100	103	103	71-127	
1,1,2-Trichloroethane	ug/kg	100	102	102	77-118	
1,1-Dichloroethane	ug/kg	100	111	111	79-127	
1,1-Dichloroethene	ug/kg	100	116	116	66-135	
1,1-Dichloropropene	ug/kg	100	113	113	69-143	
1,2,3-Trichlorobenzene	ug/kg	100	111	111	78-122	
1,2,3-Trichloropropane	ug/kg	100	92.5	93	74-119	
1,2,4-Trichlorobenzene	ug/kg	100	107	107	71-129	
1,2,4-Trimethylbenzene	ug/kg	100	104	104	73-130	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

LABORATORY CONTROL SAMPLE: 2095755

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/kg	100	96.8	97	72-139	
1,2-Dibromoethane (EDB)	ug/kg	100	95.2	95	81-121	
1,2-Dichlorobenzene	ug/kg	100	104	104	74-123	
1,2-Dichloroethane	ug/kg	100	114	114	77-117	
1,2-Dichloroethene (Total)	ug/kg	200	174	87	77-127	
1,2-Dichloropropane	ug/kg	100	110	110	70-126	
1,3,5-Trimethylbenzene	ug/kg	100	111	111	74-131	
1,3-Dichlorobenzene	ug/kg	100	110	110	75-124	
1,3-Dichloropropane	ug/kg	100	98.0	98	80-121	
1,4-Dichlorobenzene	ug/kg	100	102	102	74-125	
2,2-Dichloropropane	ug/kg	100	117	117	70-146	
2-Butanone (MEK)	ug/kg	500	510	102	66-121	
2-Chlorotoluene	ug/kg	100	106	106	75-127	
2-Hexanone	ug/kg	500	515	103	67-124	
4-Chlorotoluene	ug/kg	100	107	107	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	519	104	70-120	
Acetone	ug/kg	500	650	130	60-134	
Benzene	ug/kg	100	110	110	77-122	
Bromobenzene	ug/kg	100	104	104	79-121	
Bromochloromethane	ug/kg	100	100	100	74-123	
Bromodichloromethane	ug/kg	100	116	116	80-133	
Bromoform	ug/kg	100	100	100	76-150	
Bromomethane	ug/kg	100	83.7	84	24-174	
Carbon disulfide	ug/kg	100	113	113	59-145	
Carbon tetrachloride	ug/kg	100	123	123	73-150	
Chlorobenzene	ug/kg	100	108	108	76-123	
Chloroethane	ug/kg	100	86.0	86	34-164	
Chloroform	ug/kg	100	108	108	80-122	
Chloromethane	ug/kg	100	90.6	91	10-170	
cis-1,2-Dichloroethene	ug/kg	100	110	110	81-121	
cis-1,3-Dichloropropene	ug/kg	100	112	112	71-137	
Dibromochloromethane	ug/kg	100	113	113	78-137	
Dibromomethane	ug/kg	100	108	108	82-119	
Dichlorodifluoromethane	ug/kg	100	123	123	10-186	
Ethylbenzene	ug/kg	100	115	115	74-126	
Hexachloro-1,3-butadiene	ug/kg	100	113	113	68-146	
Isopropylbenzene (Cumene)	ug/kg	100	116	116	75-133	
Methyl-tert-butyl ether	ug/kg	100	76.6	77	74-120	
Methylene chloride	ug/kg	100	114	114	64-138	
n-Butylbenzene	ug/kg	100	111	111	70-140	
n-Propylbenzene	ug/kg	100	110	110	72-134	
Naphthalene	ug/kg	100	105	105	73-117	
p-Isopropyltoluene	ug/kg	100	105	105	72-135	
sec-Butylbenzene	ug/kg	100	116	116	72-132	
Styrene	ug/kg	100	121	121	77-127	
tert-Butylbenzene	ug/kg	100	107	107	74-133	
Tetrachloroethene	ug/kg	100	113	113	75-135	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

LABORATORY CONTROL SAMPLE: 2095755

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/kg	100	113	113	73-122	
trans-1,2-Dichloroethene	ug/kg	100	63.9	64	71-134	L2
trans-1,3-Dichloropropene	ug/kg	100	106	106	72-142	
Trichloroethene	ug/kg	100	112	112	73-127	
Trichlorofluoromethane	ug/kg	100	121	121	55-155	
Vinyl chloride	ug/kg	100	118	118	36-162	
Xylene (Total)	ug/kg	300	330	110	75-123	
1,2-Dichloroethane-d4 (S)	%			104	80-123	
4-Bromofluorobenzene (S)	%			97	69-133	
Toluene-d8 (S)	%			102	78-122	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 91279 Analysis Method: EPA 8081
QC Batch Method: EPA 3546 Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007

METHOD BLANK: 404437 Matrix: Solid
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
4,4'-DDD	ug/kg	<0.33	1.0	0.33	01/29/18 17:45	
4,4'-DDE	ug/kg	<0.31	1.0	0.31	01/29/18 17:45	
4,4'-DDT	ug/kg	<0.65	1.4	0.65	01/29/18 17:45	
Aldrin	ug/kg	<0.35	1.0	0.35	01/29/18 17:45	
alpha-BHC	ug/kg	<0.16	1.0	0.16	01/29/18 17:45	
alpha-Chlordane	ug/kg	<0.40	1.7	0.40	01/29/18 17:45	
beta-BHC	ug/kg	<0.53	1.7	0.53	01/29/18 17:45	
Chlordane (Technical)	ug/kg	<28.1	150	28.1	01/29/18 17:45	
delta-BHC	ug/kg	<0.48	1.4	0.48	01/29/18 17:45	
Dieldrin	ug/kg	<0.43	1.4	0.43	01/29/18 17:45	
Endosulfan I	ug/kg	<0.46	1.4	0.46	01/29/18 17:45	
Endosulfan II	ug/kg	<0.32	1.0	0.32	01/29/18 17:45	
Endosulfan sulfate	ug/kg	<0.46	1.4	0.46	01/29/18 17:45	
Endrin	ug/kg	<0.46	1.7	0.46	01/29/18 17:45	
Endrin aldehyde	ug/kg	<0.46	1.4	0.46	01/29/18 17:45	
Endrin ketone	ug/kg	<0.55	2.0	0.55	01/29/18 17:45	
gamma-BHC (Lindane)	ug/kg	<0.45	1.4	0.45	01/29/18 17:45	
gamma-Chlordane	ug/kg	<0.66	1.7	0.66	01/29/18 17:45	
Heptachlor	ug/kg	<0.76	2.0	0.76	01/29/18 17:45	
Heptachlor epoxide	ug/kg	<2.0	5.0	2.0	01/29/18 17:45	
Methoxychlor	ug/kg	<0.57	2.0	0.57	01/29/18 17:45	
Toxaphene	ug/kg	<51.8	150	51.8	01/29/18 17:45	
Decachlorobiphenyl (S)	%.	62	70-130		01/29/18 17:45	S0
Tetrachloro-m-xylene (S)	%.	79	70-130		01/29/18 17:45	

LABORATORY CONTROL SAMPLE: 404438

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/kg	33.3	35.5	107	70-130	
4,4'-DDE	ug/kg	33.3	39.0	117	70-130	
4,4'-DDT	ug/kg	33.3	34.8	104	70-130	
Aldrin	ug/kg	33.3	32.3	97	70-130	
alpha-BHC	ug/kg	33.3	36.1	108	70-130	
alpha-Chlordane	ug/kg	33.3	36.4	109	70-130	
beta-BHC	ug/kg	33.3	37.3	112	70-130	
delta-BHC	ug/kg	33.3	36.9	111	70-130	
Dieldrin	ug/kg	33.3	31.5	95	70-130	
Endosulfan I	ug/kg	33.3	30.0	90	70-130	
Endosulfan II	ug/kg	33.3	32.1	96	70-130	
Endosulfan sulfate	ug/kg	33.3	29.6	89	70-130	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

LABORATORY CONTROL SAMPLE: 404438

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin	ug/kg	33.3	34.1	102	70-130	
Endrin aldehyde	ug/kg	33.3	33.8	101	70-130	
Endrin ketone	ug/kg	33.3	30.9	93	70-130	
gamma-BHC (Lindane)	ug/kg	33.3	37.0	111	70-130	
gamma-Chlordane	ug/kg	33.3	32.0	96	70-130	
Heptachlor	ug/kg	33.3	32.9	99	70-130	
Heptachlor epoxide	ug/kg	33.3	31.5	95	70-130	
Methoxychlor	ug/kg	33.3	36.5	110	70-130	
Decachlorobiphenyl (S)	%.			64	70-130	S0
Tetrachloro-m-xylene (S)	%.			83	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 404439 404440

Parameter	Units	60262572001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4,4'-DDD	ug/kg	<0.63	63.5	64.1	62.6	60.2	99	94	70-130	4	40	
4,4'-DDE	ug/kg	<0.60	63.5	64.1	68.3	66.7	108	104	70-130	2	40	
4,4'-DDT	ug/kg	<1.2	63.5	64.1	60.8	60.2	96	94	70-130	1	40	
Aldrin	ug/kg	<0.68	63.5	64.1	58.9	58.5	93	91	70-130	1	40	
alpha-BHC	ug/kg	<0.30	63.5	64.1	67.1	67.2	106	105	70-130	0	40	
alpha-Chlordane	ug/kg	<0.76	63.5	64.1	61.5	59.2	97	92	70-130	4	40	
beta-BHC	ug/kg	<1.0	63.5	64.1	69.7	93.9	110	146	70-130	30	40	M1
delta-BHC	ug/kg	<0.92	63.5	64.1	69.9	72.2	110	113	70-130	3	40	
Dieldrin	ug/kg	<0.83	63.5	64.1	54.4	53.0	86	83	70-130	2	40	
Endosulfan I	ug/kg	<0.89	63.5	64.1	51.7	51.1	81	80	70-130	1	40	
Endosulfan II	ug/kg	<0.62	63.5	64.1	55.8	55.5	88	87	70-130	1	40	
Endosulfan sulfate	ug/kg	<0.88	63.5	64.1	49.7	47.7	78	74	70-130	4	40	
Endrin	ug/kg	<0.89	63.5	64.1	60.7	65.2	96	102	70-130	7	40	
Endrin aldehyde	ug/kg	<0.89	63.5	64.1	55.1	55.3	87	86	70-130	0	40	
Endrin ketone	ug/kg	<1.1	63.5	64.1	56.5	60.6	89	95	70-130	7	40	
gamma-BHC (Lindane)	ug/kg	<0.86	63.5	64.1	68.3	70.5	108	110	70-130	3	40	
gamma-Chlordane	ug/kg	<1.3	63.5	64.1	55.4	54.5	87	85	70-130	2	40	
Heptachlor	ug/kg	<1.5	63.5	64.1	60.5	60.7	95	95	70-130	0	40	
Heptachlor epoxide	ug/kg	<3.8	63.5	64.1	56.9	57.6	90	90	70-130	1	40	
Methoxychlor	ug/kg	<1.1	63.5	64.1	61.6	57.7	97	90	70-130	7	40	
Decachlorobiphenyl (S)	%.						88	95	70-130			
Tetrachloro-m-xylene (S)	%.						80	81	70-130			

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 91344 Analysis Method: EPA 8081
QC Batch Method: EPA 3510 Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 60262572008, 60262572009, 60262572010

METHOD BLANK: 404959 Matrix: Water
Associated Lab Samples: 60262572008, 60262572009, 60262572010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
4,4'-DDD	ug/L	<0.0050	0.010	0.0050	02/05/18 15:49	
4,4'-DDE	ug/L	<0.0070	0.010	0.0070	02/05/18 15:49	
4,4'-DDT	ug/L	<0.0070	0.010	0.0070	02/05/18 15:49	
Aldrin	ug/L	<0.0070	0.010	0.0070	02/05/18 15:49	
alpha-BHC	ug/L	<0.0060	0.010	0.0060	02/05/18 15:49	
alpha-Chlordane	ug/L	<0.024	0.10	0.024	02/05/18 15:49	
beta-BHC	ug/L	<0.010	0.010	0.010	02/05/18 15:49	
Chlordane (Technical)	ug/L	<0.090	0.10	0.090	02/05/18 15:49	
delta-BHC	ug/L	<0.0090	0.010	0.0090	02/05/18 15:49	
Dieldrin	ug/L	<0.0060	0.010	0.0060	02/05/18 15:49	
Endosulfan I	ug/L	<0.021	0.10	0.021	02/05/18 15:49	
Endosulfan II	ug/L	<0.0090	0.010	0.0090	02/05/18 15:49	
Endosulfan sulfate	ug/L	<0.0070	0.010	0.0070	02/05/18 15:49	
Endrin	ug/L	<0.0070	0.010	0.0070	02/05/18 15:49	
Endrin aldehyde	ug/L	<0.029	0.10	0.029	02/05/18 15:49	
Endrin ketone	ug/L	<0.025	0.10	0.025	02/05/18 15:49	
gamma-BHC (Lindane)	ug/L	<0.0080	0.010	0.0080	02/05/18 15:49	
gamma-Chlordane	ug/L	<0.034	0.10	0.034	02/05/18 15:49	
Heptachlor	ug/L	<0.0050	0.010	0.0050	02/05/18 15:49	
Heptachlor epoxide	ug/L	<0.0070	0.010	0.0070	02/05/18 15:49	
Methoxychlor	ug/L	<0.0060	0.010	0.0060	02/05/18 15:49	
Toxaphene	ug/L	<0.61	1.5	0.61	02/05/18 15:49	
Decachlorobiphenyl (S)	%.	69	12-162		02/05/18 15:49	
Tetrachloro-m-xylene (S)	%.	89	54-127		02/05/18 15:49	

LABORATORY CONTROL SAMPLE: 404960

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	1	1.2	116	68-149	
4,4'-DDE	ug/L	1	1.1	110	70-135	
4,4'-DDT	ug/L	1	1.3	130	30-174	
Aldrin	ug/L	1	1.0	102	60-137	
alpha-BHC	ug/L	1	1.1	109	73-136	
alpha-Chlordane	ug/L	1	1.3	125	24-176	
beta-BHC	ug/L	1	1.2	117	50-174	
delta-BHC	ug/L	1	1.1	113	18-200	
Dieldrin	ug/L	1	1.0	104	62-148	
Endosulfan I	ug/L	1	0.97	97	38-171	
Endosulfan II	ug/L	1	1.1	112	36-178	
Endosulfan sulfate	ug/L	1	1.3	128	64-131	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

LABORATORY CONTROL SAMPLE: 404960

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin	ug/L	1	1.1	108	56-152	
Endrin aldehyde	ug/L	1	1.3	125	52-162	
Endrin ketone	ug/L	1	1.3	131	22-187	
gamma-BHC (Lindane)	ug/L	1	1.1	108	70-135	
gamma-Chlordane	ug/L	1	1.0	103	52-155	
Heptachlor	ug/L	1	1.2	125	59-139	
Heptachlor epoxide	ug/L	1	1.1	112	65-138	
Methoxychlor	ug/L	1	1.4	144	39-160	
Decachlorobiphenyl (S)	%.			129	12-162	
Tetrachloro-m-xylene (S)	%.			98	54-127	

MATRIX SPIKE SAMPLE: 404963

Parameter	Units	60262572008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	<0.0050	1	1.2	116	24-177	
4,4'-DDE	ug/L	<0.0070	1	1.0	103	22-161	
4,4'-DDT	ug/L	<0.0070	1	1.1	113	10-180	
Aldrin	ug/L	<0.0070	1	0.94	94	10-156	
alpha-BHC	ug/L	<0.0060	1	1.1	106	71-143	
alpha-Chlordane	ug/L	<0.024	1	1.2	124	15-174	
beta-BHC	ug/L	<0.010	1	1.2	120	72-149	
delta-BHC	ug/L	<0.0090	1	1.2	116	44-151	
Dieldrin	ug/L	<0.0060	1	1.0	105	33-166	
Endosulfan I	ug/L	<0.021	1	0.98	98	27-167	
Endosulfan II	ug/L	<0.0090	1	1.1	113	37-173	
Endosulfan sulfate	ug/L	<0.0070	1	1.3	132	33-167	
Endrin	ug/L	<0.0070	1	1.1	111	39-173	
Endrin aldehyde	ug/L	<0.029	1	1.2	121	14-180	
Endrin ketone	ug/L	<0.025	1	1.3	133	29-180	
gamma-BHC (Lindane)	ug/L	<0.0080	1	0.97	97	69-139	
gamma-Chlordane	ug/L	<0.034	1	1.0	104	20-166	
Heptachlor	ug/L	<0.0050	1	1.3	127	48-141	
Heptachlor epoxide	ug/L	<0.0070	1	1.1	115	28-164	
Methoxychlor	ug/L	<0.0060	1	1.4	136	20-178	
Decachlorobiphenyl (S)	%.				54	12-162	
Tetrachloro-m-xylene (S)	%.				89	54-127	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 91281 Analysis Method: EPA 8141A
QC Batch Method: EPA 3546 Analysis Description: Organophos Pests in soil by 8141
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007

METHOD BLANK: 404450 Matrix: Solid
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Azinphos, methyl (Guthion)	ug/kg	<3.3	6.7	3.3	01/31/18 17:47	
Bolstar	ug/kg	<3.3	6.7	3.3	01/31/18 17:47	
Chlorpyrifos	ug/kg	<3.3	6.7	3.3	01/31/18 17:47	
Coumaphos	ug/kg	<3.3	6.7	3.3	01/31/18 17:47	
Diazinon	ug/kg	<3.3	6.7	3.3	01/31/18 17:47	
Dichlorvos	ug/kg	<1.7	3.3	1.7	01/31/18 17:47	
Dimethoate	ug/kg	<3.3	6.7	3.3	01/31/18 17:47	
Disulfoton	ug/kg	<1.7	3.3	1.7	01/31/18 17:47	
EPN (ENT)	ug/kg	<2.1	3.3	2.1	01/31/18 17:47	
Ethoprop	ug/kg	<1.7	3.3	1.7	01/31/18 17:47	
Fensulfothion	ug/kg	<3.3	6.7	3.3	01/31/18 17:47	
Fenthion	ug/kg	<1.7	3.3	1.7	01/31/18 17:47	
Malathion	ug/kg	<3.3	6.7	3.3	01/31/18 17:47	
Methyl parathion	ug/kg	<1.7	3.3	1.7	01/31/18 17:47	
Mevinphos	ug/kg	<2.0	3.3	2.0	01/31/18 17:47	
Parathion (Ethyl parathion)	ug/kg	<3.3	6.7	3.3	01/31/18 17:47	
Phorate	ug/kg	<1.7	3.3	1.7	01/31/18 17:47	
Ronnel	ug/kg	<1.7	3.3	1.7	01/31/18 17:47	
Stirophos (Tetrachlorvinphos)	ug/kg	<3.3	6.7	3.3	01/31/18 17:47	
Sulfotep (Thiodiphosphoric Ac	ug/kg	<1.7	3.3	1.7	01/31/18 17:47	
Tokuthion (Prothiofos)	ug/kg	<1.7	3.3	1.7	01/31/18 17:47	
Total Demeton	ug/kg	<2.7	3.3	2.7	01/31/18 17:47	N2
Total Merphos	ug/kg	<3.3	13.3	3.3	01/31/18 17:47	N2
Trichloronate	ug/kg	<3.3	6.7	3.3	01/31/18 17:47	
Tributylphosphate (S)	%.	125	17-125		01/31/18 17:47	
Triphenylphosphate (S)	%.	93	11-137		01/31/18 17:47	

LABORATORY CONTROL SAMPLE: 404451

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Azinphos, methyl (Guthion)	ug/kg	8.3	7.5	91	45-142	
Bolstar	ug/kg	8.3	6.6	80	58-97	
Chlorpyrifos	ug/kg	8.3	5.8	70	58-97	
Coumaphos	ug/kg	8.3	8.1	97	59-123	
Diazinon	ug/kg	8.3	6.4	77	51-100	
Dichlorvos	ug/kg	8.3	6.4	77	40-117	
Dimethoate	ug/kg	8.3	6.3	76	32-130	
Disulfoton	ug/kg	8.3	5.7	69	32-108	
EPN (ENT)	ug/kg	8.3	7.1	85	51-117	
Ethoprop	ug/kg	8.3	6.7	80	49-108	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

LABORATORY CONTROL SAMPLE: 404451

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fensulfothion	ug/kg	8.3	8.1	98	47-148	
Fenthion	ug/kg	8.3	6.8	82	58-111	
Malathion	ug/kg	8.3	6.7	81	55-112	
Methyl parathion	ug/kg	8.3	6.5	79	49-113	
Mevinphos	ug/kg	8.3	6.4	77	43-121	
Parathion (Ethyl parathion)	ug/kg	8.3	6.3	75	50-114	
Phorate	ug/kg	8.3	6.2	75	42-108	
Ronnel	ug/kg	8.3	6.2	75	54-106	
Stirophos (Tetrachlorvinphos)	ug/kg	8.3	6.9	83	54-115	
Sulfotep (Thiodiphosphoric Ac	ug/kg	8.3	6.8	82	46-108	
Tokuthion (Prothiofos)	ug/kg	8.3	6.8	82	59-104	
Total Demeton	ug/kg	8.3	5.8	70	32-106	N2
Total Merphos	ug/kg	8.3	5.2	63	10-144	N2
Trichloronate	ug/kg	8.3	6.4	77	59-100	
Tributylphosphate (S)	%.			88	17-125	
Triphenylphosphate (S)	%.			75	11-137	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 404452 404453

Parameter	Units	60262572002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Azinphos, methyl (Guthion)	ug/kg	<4.1	10.4	10.4	7.9	3.5J	77	34	20-146		40	
Bolstar	ug/kg	<4.1	10.4	10.4	8.8	3.9J	85	37	13-120		40	
Chlorpyrifos	ug/kg	<4.1	10.4	10.4	8.5	4.2	82	41	10-147	67	40	R1
Coumaphos	ug/kg	<4.1	10.4	10.4	8.4	3.1J	81	30	28-126		40	
Diazinon	ug/kg	192	10.4	10.4	135	84.1	-553	-1040	10-136	47	40	M1,R1
Dichlorvos	ug/kg	<2.1	10.4	10.4	8.2	4.0	80	39	10-135	69	40	R1
Dimethoate	ug/kg	<4.1	10.4	10.4	6.4	2.5J	62	24	10-133		40	
Disulfoton	ug/kg	<2.1	10.4	10.4	8.4	3.4	81	33	10-130	85	40	R1
EPN (ENT)	ug/kg	<2.6	10.4	10.4	7.9	3.7	76	36	10-133	72	40	R1
Ethoprop	ug/kg	<2.1	10.4	10.4	9.3	4.2	90	41	15-119	75	40	R1
Fensulfothion	ug/kg	<4.1	10.4	10.4	7.5	2.5J	73	25	16-143		40	
Fenthion	ug/kg	<2.1	10.4	10.4	9.3	4.0	90	38	14-133	80	40	R1
Malathion	ug/kg	<4.1	10.4	10.4	9.1	5.0	88	49	31-112	58	40	R1
Methyl parathion	ug/kg	<2.1	10.4	10.4	8.5	4.0	82	39	10-147	72	40	R1
Mevinphos	ug/kg	<2.4	10.4	10.4	7.1	3.4	69	33	10-136	70	40	R1
Parathion (Ethyl parathion)	ug/kg	<4.1	10.4	10.4	7.8	4.6	75	45	10-142	51	40	R1
Phorate	ug/kg	<2.1	10.4	10.4	8.2	3.7	79	36	10-130	76	40	R1
Ronnel	ug/kg	<2.1	10.4	10.4	8.1	4.2	78	40	13-125	64	40	R1
Stirophos (Tetrachlorvinphos)	ug/kg	<4.1	10.4	10.4	8.9	4.4	87	42	16-136	68	40	R1
Sulfotep (Thiodiphosphoric Ac	ug/kg	<2.1	10.4	10.4	8.3	3.8	80	37	10-122	73	40	R1
Tokuthion (Prothiofos)	ug/kg	<2.1	10.4	10.4	9.2	4.0	89	39	10-125	78	40	R1
Total Demeton	ug/kg	<3.4	10.4	10.4	8.5	4.3	82	42	10-119	65	40	N2,R1
Total Merphos	ug/kg	<4.1	10.4	10.4	7.2J	3.9J	70	37	10-122		40	N2

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 404452 404453

Parameter	Units	60262572002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Trichloronate	ug/kg	<4.1	10.4	10.4	8.6	4.2	83	40	13-120	70	40	R1
Tributylphosphate (S)	%.						70	34	17-125			
Triphenylphosphate (S)	%.						72	32	11-137			

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 91347 Analysis Method: EPA 8141A
QC Batch Method: EPA 3510 Analysis Description: 8141 GCS, O/P Pesticides
Associated Lab Samples: 60262572008, 60262572009, 60262572010

METHOD BLANK: 404969 Matrix: Water
Associated Lab Samples: 60262572008, 60262572009, 60262572010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Azinphos, methyl (Guthion)	ug/L	<0.093	0.10	0.093	02/01/18 15:40	
Bolstar	ug/L	<0.090	0.10	0.090	02/01/18 15:40	
Chlorpyrifos	ug/L	<0.067	0.10	0.067	02/01/18 15:40	
Coumaphos	ug/L	<0.092	0.10	0.092	02/01/18 15:40	
Diazinon	ug/L	<0.078	0.10	0.078	02/01/18 15:40	
Dichlorvos	ug/L	<0.073	0.10	0.073	02/01/18 15:40	
Dimethoate	ug/L	<0.083	0.10	0.083	02/01/18 15:40	
Disulfoton	ug/L	<0.071	0.10	0.071	02/01/18 15:40	
EPN (ENT)	ug/L	<0.087	0.10	0.087	02/01/18 15:40	
Ethoprop	ug/L	<0.059	0.10	0.059	02/01/18 15:40	
Fensulfothion	ug/L	<0.087	0.10	0.087	02/01/18 15:40	
Fenthion	ug/L	<0.088	0.10	0.088	02/01/18 15:40	
Malathion	ug/L	<0.086	0.10	0.086	02/01/18 15:40	
Methyl parathion	ug/L	<0.070	0.10	0.070	02/01/18 15:40	
Mevinphos	ug/L	<0.065	0.10	0.065	02/01/18 15:40	
Parathion (Ethyl parathion)	ug/L	<0.060	0.10	0.060	02/01/18 15:40	
Phorate	ug/L	<0.064	0.10	0.064	02/01/18 15:40	
Ronnel	ug/L	<0.088	0.10	0.088	02/01/18 15:40	
Stirophos (Tetrachlorvinphos)	ug/L	<0.072	0.10	0.072	02/01/18 15:40	
Sulfotep (Thiodiphosphoric Ac	ug/L	<0.061	0.10	0.061	02/01/18 15:40	
Tokuthion (Prothiofos)	ug/L	<0.081	0.10	0.081	02/01/18 15:40	
Total Demeton	ug/L	<0.083	0.10	0.083	02/01/18 15:40	
Total Merphos	ug/L	<0.038	0.10	0.038	02/01/18 15:40	
Trichloronate	ug/L	<0.087	0.10	0.087	02/01/18 15:40	
Tributylphosphate (S)	%.	124	20-150		02/01/18 15:40	
Triphenylphosphate (S)	%.	86	10-175		02/01/18 15:40	

LABORATORY CONTROL SAMPLE: 404970

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Azinphos, methyl (Guthion)	ug/L	.25	0.21	83	32-136	
Bolstar	ug/L	.25	0.19	75	45-115	
Chlorpyrifos	ug/L	.25	0.18	72	44-113	
Coumaphos	ug/L	.25	0.23	91	42-135	
Diazinon	ug/L	.25	0.19	78	35-117	
Dichlorvos	ug/L	.25	0.18	70	24-129	
Dimethoate	ug/L	.25	0.17	68	43-120	
Disulfoton	ug/L	.25	0.18	74	34-111	
EPN (ENT)	ug/L	.25	0.20	80	34-133	
Ethoprop	ug/L	.25	0.17	69	42-113	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

LABORATORY CONTROL SAMPLE: 404970

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fensulfothion	ug/L	.25	0.22	88	37-153	
Fenthion	ug/L	.25	0.21	82	43-128	
Malathion	ug/L	.25	0.20	81	42-125	
Methyl parathion	ug/L	.25	0.19	78	41-127	
Mevinphos	ug/L	.25	0.20	78	16-142	
Parathion (Ethyl parathion)	ug/L	.25	0.18	73	42-118	
Phorate	ug/L	.25	0.20	78	42-122	
Ronnel	ug/L	.25	0.19	75	45-116	
Stirophos (Tetrachlorvinphos)	ug/L	.25	0.20	81	40-131	
Sulfotep (Thiodiphosphoric Ac	ug/L	.25	0.19	78	42-111	
Tokuthion (Prothiofos)	ug/L	.25	0.20	80	42-118	
Total Demeton	ug/L	.25	0.17	69	19-126	
Total Merphos	ug/L	.25	0.19	77	10-143	
Trichloronate	ug/L	.25	0.19	76	43-116	
Tributylphosphate (S)	%.			157	20-150	S1
Triphenylphosphate (S)	%.			139	10-175	

MATRIX SPIKE SAMPLE: 404971

Parameter	Units	60262572009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Azinphos, methyl (Guthion)	ug/L	<0.46	.25	0.28	112	40-140	
Bolstar	ug/L	<0.45	.25	0.21	84	40-140	
Chlorpyrifos	ug/L	<0.34	.25	0.35	138	40-140	
Coumaphos	ug/L	<0.46	.25	0.20	79	40-140	
Diazinon	ug/L	<0.39	.25	0.28	110	40-140	
Dichlorvos	ug/L	<0.36	.25	0.19	78	40-140	
Dimethoate	ug/L	<0.42	.25	0.23	92	40-140	
Disulfoton	ug/L	<0.36	.25	0.19	75	10-140	
EPN (ENT)	ug/L	<0.44	.25	0.23	92	40-140	
Ethoprop	ug/L	<0.30	.25	0.20	79	40-140	
Fensulfothion	ug/L	<0.44	.25	0.22	90	40-140	
Fenthion	ug/L	<0.44	.25	0.12	49	40-140	
Malathion	ug/L	<0.43	.25	0.17	67	40-140	
Methyl parathion	ug/L	<0.35	.25	0.24	96	40-140	
Mevinphos	ug/L	<0.32	.25	0.18	71	40-140	
Parathion (Ethyl parathion)	ug/L	<0.30	.25	1.4	546	40-140	M3
Phorate	ug/L	<0.32	.25	0.30	121	40-140	
Ronnel	ug/L	<0.44	.25	0.26	102	40-140	
Stirophos (Tetrachlorvinphos)	ug/L	<0.36	.25	0.23	92	40-140	
Sulfotep (Thiodiphosphoric Ac	ug/L	<0.30	.25	0.21	85	40-140	
Tokuthion (Prothiofos)	ug/L	<0.40	.25	0.19	77	40-140	
Total Demeton	ug/L	<0.42	.25	0.23	92	10-140	
Total Merphos	ug/L	<0.19	.25	0.16	64	10-140	
Trichloronate	ug/L	<0.44	.25	0.95	379	40-140	M1
Tributylphosphate (S)	%.				71	20-150	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

MATRIX SPIKE SAMPLE: 404971

Parameter	Units	60262572009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Triphenylphosphate (S)	%.				84	10-175	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 91432 Analysis Method: EPA 8151
QC Batch Method: EPA 3546 Analysis Description: 8151 GCS Herbicides
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007

METHOD BLANK: 405362 Matrix: Solid
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2,4,5-T	ug/kg	<1.7	1.7	1.7	01/30/18 11:39	
2,4,5-TP (Silvex)	ug/kg	<1.7	1.7	1.7	01/30/18 11:39	
2,4-D	ug/kg	<1.7	1.7	1.7	01/30/18 11:39	
2,4-DB	ug/kg	<1.7	1.7	1.7	01/30/18 11:39	
Dalapon	ug/kg	<1.7	1.7	1.7	01/30/18 11:39	
Dicamba	ug/kg	<1.7	1.7	1.7	01/30/18 11:39	
Dichloroprop	ug/kg	<1.7	1.7	1.7	01/30/18 11:39	
Dinoseb	ug/kg	<1.7	1.7	1.7	01/30/18 11:39	
MCPA	ug/kg	<165	165	165	01/30/18 11:39	
MCPP	ug/kg	<165	165	165	01/30/18 11:39	
2,4-DCAA (S)	%.	87	10-188		01/30/18 11:39	

LABORATORY CONTROL SAMPLE: 405363

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/kg	66.4	53.7	81	61-151	
2,4,5-TP (Silvex)	ug/kg	66.4	52.9	80	58-135	
2,4-D	ug/kg	66.4	47.4	71	15-155	
2,4-DB	ug/kg	66.4	36.4	55	26-159	
Dalapon	ug/kg	66.4	17.5	26	10-172	
Dicamba	ug/kg	66.4	54.8	82	55-111	
Dichloroprop	ug/kg	66.4	57.2	86	28-167	
Dinoseb	ug/kg	66.4	50.6	76	28-200	
MCPA	ug/kg	6640	6390	96	26-131	
MCPP	ug/kg	6640	6420	97	10-158	
2,4-DCAA (S)	%.			62	10-188	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 405364 405365

Parameter	Units	60262572001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4,5-T	ug/kg	<3.2	127	127	31.3	60.5	25	47	10-146	64	40	R1
2,4,5-TP (Silvex)	ug/kg	<3.2	127	127	75.9	70.8	60	56	10-139	7	40	
2,4-D	ug/kg	<3.2	127	127	22.7	41.9	18	33	10-166	60	40	R1
2,4-DB	ug/kg	<3.2	127	127	37.7	35.8	30	28	10-200	5	40	
Dalapon	ug/kg	<3.2	127	127	11.2	25.5	9	20	10-154	78	40	M1,R1
Dicamba	ug/kg	<3.2	127	127	30.7	67.6	24	53	10-140	75	40	R1
Dichloroprop	ug/kg	<3.2	127	127	49.6	54.7	39	43	10-194	10	40	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 405364 405365

Parameter	Units	60262572001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dinoseb	ug/kg	<3.2	127	127	39.1	110	31	86	10-200	95	40	R1
MCPA	ug/kg	<320	12700	12700	4080	3870	32	30	10-200	5	40	
MCPP	ug/kg	<320	12700	12700	5820	8840	46	69	10-175	41	40	R1
2,4-DCAA (S)	%.						12	13	10-188			

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 91466 Analysis Method: EPA 8151
QC Batch Method: EPA 8151 Analysis Description: 8151A GCS Herbicides
Associated Lab Samples: 60262572008, 60262572009, 60262572010

METHOD BLANK: 405532 Matrix: Water
Associated Lab Samples: 60262572008, 60262572009, 60262572010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2,4,5-T	ug/L	<0.25	0.50	0.25	02/01/18 11:19	
2,4,5-TP (Silvex)	ug/L	<0.25	0.50	0.25	02/01/18 11:19	
2,4-D	ug/L	<0.25	0.50	0.25	02/01/18 11:19	
2,4-DB	ug/L	<0.34	0.50	0.34	02/01/18 11:19	
Dalapon	ug/L	<0.25	0.50	0.25	02/01/18 11:19	
Dicamba	ug/L	<0.25	0.50	0.25	02/01/18 11:19	
Dichloroprop	ug/L	<0.29	0.50	0.29	02/01/18 11:19	
Dinoseb	ug/L	<0.50	0.50	0.50	02/01/18 11:19	
MCPA	ug/L	<20.0	20.0	20.0	02/01/18 11:19	
MCPP	ug/L	<20.0	20.0	20.0	02/01/18 11:19	
2,4-DCAA (S)	%.	116	47-166		02/01/18 11:19	

LABORATORY CONTROL SAMPLE: 405533

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/L	2	2.1	105	61-151	
2,4,5-TP (Silvex)	ug/L	2	2.0	99	58-135	
2,4-D	ug/L	2	2.0	99	52-152	
2,4-DB	ug/L	2	2.4	118	50-156	
Dalapon	ug/L	2	1.0	51	10-167	
Dicamba	ug/L	2	1.8	89	49-128	
Dichloroprop	ug/L	2	1.7	85	59-143	
Dinoseb	ug/L	2	2.5	126	33-200	
MCPA	ug/L	200	160	80	45-148	
MCPP	ug/L	200	214	107	63-149	
2,4-DCAA (S)	%.			114	47-166	

MATRIX SPIKE SAMPLE: 405534

Parameter	Units	60262572010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/L	<0.25	2	2.1	104	65-153	
2,4,5-TP (Silvex)	ug/L	<0.25	2	1.9	95	10-179	
2,4-D	ug/L	3.7	2	3.9	7	10-200	M1
2,4-DB	ug/L	<0.34	2	2.3	113	68-171	
Dalapon	ug/L	<0.25	2	0.91	46	10-156	
Dicamba	ug/L	<0.25	2	1.8	88	68-151	
Dichloroprop	ug/L	4.0	2	3.6	-23	85-151	M1
Dinoseb	ug/L	<0.50	2	2.7	133	83-152	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

MATRIX SPIKE SAMPLE: 405534

Parameter	Units	60262572010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
MCPA	ug/L	<20.0	200	160	80	54-160	
MCPP	ug/L	<20.0	200	230	115	10-200	
2,4-DCAA (S)	%.				119	47-166	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 511576 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007

METHOD BLANK: 2094771 Matrix: Solid
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	<29.9	329	29.9	01/25/18 14:27	
1,2-Dichlorobenzene	ug/kg	<25.0	329	25.0	01/25/18 14:27	
1,3-Dichlorobenzene	ug/kg	<27.9	329	27.9	01/25/18 14:27	
1,4-Dichlorobenzene	ug/kg	<28.9	329	28.9	01/25/18 14:27	
2,4,5-Trichlorophenol	ug/kg	<29.9	329	29.9	01/25/18 14:27	
2,4,6-Trichlorophenol	ug/kg	<30.9	329	30.9	01/25/18 14:27	
2,4-Dichlorophenol	ug/kg	<29.9	329	29.9	01/25/18 14:27	
2,4-Dimethylphenol	ug/kg	<18.0	329	18.0	01/25/18 14:27	
2,4-Dinitrophenol	ug/kg	<47.9	1670	47.9	01/25/18 14:27	
2,4-Dinitrotoluene	ug/kg	<27.9	329	27.9	01/25/18 14:27	
2,6-Dinitrotoluene	ug/kg	<33.9	329	33.9	01/25/18 14:27	
2-Chloronaphthalene	ug/kg	<27.9	329	27.9	01/25/18 14:27	
2-Chlorophenol	ug/kg	<26.9	329	26.9	01/25/18 14:27	
2-Methylnaphthalene	ug/kg	<24.0	329	24.0	01/25/18 14:27	
2-Methylphenol(o-Cresol)	ug/kg	<30.9	329	30.9	01/25/18 14:27	
2-Nitroaniline	ug/kg	<55.9	659	55.9	01/25/18 14:27	
2-Nitrophenol	ug/kg	<45.9	329	45.9	01/25/18 14:27	
3&4-Methylphenol(m&p Cresol)	ug/kg	<35.9	329	35.9	01/25/18 14:27	
3,3'-Dichlorobenzidine	ug/kg	<113	659	113	01/25/18 14:27	
3-Nitroaniline	ug/kg	<99.8	659	99.8	01/25/18 14:27	
4,6-Dinitro-2-methylphenol	ug/kg	<43.9	1670	43.9	01/25/18 14:27	
4-Bromophenylphenyl ether	ug/kg	<25.9	329	25.9	01/25/18 14:27	
4-Chloro-3-methylphenol	ug/kg	<35.9	659	35.9	01/25/18 14:27	
4-Chloroaniline	ug/kg	<64.9	659	64.9	01/25/18 14:27	
4-Chlorophenylphenyl ether	ug/kg	<31.9	329	31.9	01/25/18 14:27	
4-Nitroaniline	ug/kg	<84.8	659	84.8	01/25/18 14:27	
4-Nitrophenol	ug/kg	<51.9	1670	51.9	01/25/18 14:27	
Acenaphthene	ug/kg	<34.9	329	34.9	01/25/18 14:27	
Acenaphthylene	ug/kg	<30.9	329	30.9	01/25/18 14:27	
Anthracene	ug/kg	<34.9	329	34.9	01/25/18 14:27	
Benzo(a)anthracene	ug/kg	<29.9	329	29.9	01/25/18 14:27	
Benzo(a)pyrene	ug/kg	<25.9	329	25.9	01/25/18 14:27	
Benzo(b)fluoranthene	ug/kg	<23.0	329	23.0	01/25/18 14:27	
Benzo(g,h,i)perylene	ug/kg	<31.9	329	31.9	01/25/18 14:27	
Benzo(k)fluoranthene	ug/kg	<38.9	329	38.9	01/25/18 14:27	
Benzoic acid	ug/kg	<30.9	1670	30.9	01/25/18 14:27	
Benzyl alcohol	ug/kg	<103	659	103	01/25/18 14:27	
bis(2-Chloroethoxy)methane	ug/kg	<25.9	329	25.9	01/25/18 14:27	
bis(2-Chloroethyl) ether	ug/kg	<25.9	329	25.9	01/25/18 14:27	
bis(2-Chloroisopropyl) ether	ug/kg	<25.9	329	25.9	01/25/18 14:27	
bis(2-Ethylhexyl)phthalate	ug/kg	<114	329	114	01/25/18 14:27	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

METHOD BLANK: 2094771 Matrix: Solid
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Butylbenzylphthalate	ug/kg	<42.9	329	42.9	01/25/18 14:27	
Carbazole	ug/kg	<26.9	329	26.9	01/25/18 14:27	
Chrysene	ug/kg	<27.9	329	27.9	01/25/18 14:27	
Di-n-butylphthalate	ug/kg	<34.9	329	34.9	01/25/18 14:27	
Di-n-octylphthalate	ug/kg	<38.9	329	38.9	01/25/18 14:27	
Dibenz(a,h)anthracene	ug/kg	<29.9	329	29.9	01/25/18 14:27	
Dibenzofuran	ug/kg	<29.9	329	29.9	01/25/18 14:27	
Diethylphthalate	ug/kg	<30.9	329	30.9	01/25/18 14:27	
Dimethylphthalate	ug/kg	<31.9	329	31.9	01/25/18 14:27	
Fluoranthene	ug/kg	<30.9	329	30.9	01/25/18 14:27	
Fluorene	ug/kg	<30.9	329	30.9	01/25/18 14:27	
Hexachloro-1,3-butadiene	ug/kg	<32.9	329	32.9	01/25/18 14:27	
Hexachlorobenzene	ug/kg	<31.9	329	31.9	01/25/18 14:27	
Hexachlorocyclopentadiene	ug/kg	<69.9	329	69.9	01/25/18 14:27	
Hexachloroethane	ug/kg	<25.0	329	25.0	01/25/18 14:27	
Indeno(1,2,3-cd)pyrene	ug/kg	<35.9	329	35.9	01/25/18 14:27	
Isophorone	ug/kg	<29.9	329	29.9	01/25/18 14:27	
N-Nitroso-di-n-propylamine	ug/kg	<32.9	329	32.9	01/25/18 14:27	
N-Nitrosodiphenylamine	ug/kg	<25.9	329	25.9	01/25/18 14:27	
Naphthalene	ug/kg	<25.9	329	25.9	01/25/18 14:27	
Nitrobenzene	ug/kg	<30.9	329	30.9	01/25/18 14:27	
Pentachlorophenol	ug/kg	<30.9	1670	30.9	01/25/18 14:27	
Phenanthrene	ug/kg	<30.9	329	30.9	01/25/18 14:27	
Phenol	ug/kg	<25.9	329	25.9	01/25/18 14:27	
Pyrene	ug/kg	<32.9	329	32.9	01/25/18 14:27	
Pyridine	ug/kg	<26.9	329	26.9	01/25/18 14:27	
2,4,6-Tribromophenol (S)	%	87	39-114		01/25/18 14:27	
2-Fluorobiphenyl (S)	%	77	61-109		01/25/18 14:27	
2-Fluorophenol (S)	%	77	46-102		01/25/18 14:27	
Nitrobenzene-d5 (S)	%	75	41-114		01/25/18 14:27	
Phenol-d6 (S)	%	77	48-102		01/25/18 14:27	
Terphenyl-d14 (S)	%	80	48-120		01/25/18 14:27	

LABORATORY CONTROL SAMPLE: 2094772

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1660	1360	81	55-105	
1,2-Dichlorobenzene	ug/kg	1660	1300	78	55-100	
1,3-Dichlorobenzene	ug/kg	1660	1270	76	53-100	
1,4-Dichlorobenzene	ug/kg	1660	1280	77	54-100	
2,4,5-Trichlorophenol	ug/kg	1660	1430	86	55-113	
2,4,6-Trichlorophenol	ug/kg	1660	1380	83	56-111	
2,4-Dichlorophenol	ug/kg	1660	1400	84	58-108	
2,4-Dimethylphenol	ug/kg	1660	1320	80	54-107	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

LABORATORY CONTROL SAMPLE: 2094772

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	ug/kg	1660	1160J	70	11-133	
2,4-Dinitrotoluene	ug/kg	1660	1450	87	57-114	
2,6-Dinitrotoluene	ug/kg	1660	1440	86	56-113	
2-Chloronaphthalene	ug/kg	1660	1330	80	54-107	
2-Chlorophenol	ug/kg	1660	1320	79	57-104	
2-Methylnaphthalene	ug/kg	1660	1320	79	57-105	
2-Methylphenol(o-Cresol)	ug/kg	1660	1310	79	57-104	
2-Nitroaniline	ug/kg	1660	1370	82	46-124	
2-Nitrophenol	ug/kg	1660	1370	82	51-113	
3&4-Methylphenol(m&p Cresol)	ug/kg	1660	1330	80	57-105	
3,3'-Dichlorobenzidine	ug/kg	1660	1160	70	3-152	
3-Nitroaniline	ug/kg	1660	1070	64	29-122	
4,6-Dinitro-2-methylphenol	ug/kg	1660	1300J	78	22-125	
4-Bromophenylphenyl ether	ug/kg	1660	1380	83	57-110	
4-Chloro-3-methylphenol	ug/kg	1660	1380	83	61-108	
4-Chloroaniline	ug/kg	1660	818	49	10-112	
4-Chlorophenylphenyl ether	ug/kg	1660	1380	83	57-109	
4-Nitroaniline	ug/kg	1660	1370	82	47-117	
4-Nitrophenol	ug/kg	1660	1350J	81	53-118	
Acenaphthene	ug/kg	1660	1340	81	56-108	
Acenaphthylene	ug/kg	1660	1360	82	56-107	
Anthracene	ug/kg	1660	1400	84	58-111	
Benzo(a)anthracene	ug/kg	1660	1370	82	58-111	
Benzo(a)pyrene	ug/kg	1660	1390	83	58-109	
Benzo(b)fluoranthene	ug/kg	1660	1400	84	58-113	
Benzo(g,h,i)perylene	ug/kg	1660	1340	81	54-108	
Benzo(k)fluoranthene	ug/kg	1660	1380	83	56-111	
Benzoic acid	ug/kg	1660	768J	46	10-105	
Benzyl alcohol	ug/kg	1660	1350	81	58-106	
bis(2-Chloroethoxy)methane	ug/kg	1660	1300	78	56-104	
bis(2-Chloroethyl) ether	ug/kg	1660	1290	77	53-103	
bis(2-Chloroisopropyl) ether	ug/kg	1660	1200	72	55-102	
bis(2-Ethylhexyl)phthalate	ug/kg	1660	1370	83	58-117	
Butylbenzylphthalate	ug/kg	1660	1370	82	58-115	
Carbazole	ug/kg	1660	1380	83	58-112	
Chrysene	ug/kg	1660	1370	82	57-112	
Di-n-butylphthalate	ug/kg	1660	1400	84	61-112	
Di-n-octylphthalate	ug/kg	1660	1400	84	55-122	
Dibenz(a,h)anthracene	ug/kg	1660	1380	83	54-111	
Dibenzofuran	ug/kg	1660	1370	83	55-109	
Diethylphthalate	ug/kg	1660	1360	82	59-108	
Dimethylphthalate	ug/kg	1660	1370	82	58-106	
Fluoranthene	ug/kg	1660	1430	86	62-110	
Fluorene	ug/kg	1660	1400	84	57-109	
Hexachloro-1,3-butadiene	ug/kg	1660	1360	82	56-103	
Hexachlorobenzene	ug/kg	1660	1420	85	56-111	
Hexachlorocyclopentadiene	ug/kg	3330	1640	49	22-62	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

LABORATORY CONTROL SAMPLE: 2094772

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachloroethane	ug/kg	1660	1250	75	54-99	
Indeno(1,2,3-cd)pyrene	ug/kg	1660	1340	81	54-109	
Isophorone	ug/kg	1660	1270	76	57-100	
N-Nitroso-di-n-propylamine	ug/kg	1660	1250	75	57-98	
N-Nitrosodiphenylamine	ug/kg	1660	1420	85	58-109	
Naphthalene	ug/kg	1660	1320	79	56-104	
Nitrobenzene	ug/kg	1660	1310	79	57-104	
Pentachlorophenol	ug/kg	1660	1440J	86	46-118	
Phenanthrene	ug/kg	1660	1390	83	57-111	
Phenol	ug/kg	1660	1290	77	55-105	
Pyrene	ug/kg	1660	1350	81	58-112	
Pyridine	ug/kg	1660	941	57	41-71	
2,4,6-Tribromophenol (S)	%			92	39-114	
2-Fluorobiphenyl (S)	%			79	61-109	
2-Fluorophenol (S)	%			80	46-102	
Nitrobenzene-d5 (S)	%			76	41-114	
Phenol-d6 (S)	%			80	48-102	
Terphenyl-d14 (S)	%			83	48-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2094773 2094774

Parameter	Units	60262572001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	<38.1	2140	2100	1700	1720	79	82	49-100	1	26	
1,2-Dichlorobenzene	ug/kg	<31.8	2140	2100	1570	1610	73	77	48-98	2	26	
1,3-Dichlorobenzene	ug/kg	<35.6	2140	2100	1530	1540	71	73	48-95	1	26	
1,4-Dichlorobenzene	ug/kg	<36.9	2140	2100	1540	1580	72	75	48-96	2	26	
2,4,5-Trichlorophenol	ug/kg	<38.1	2140	2100	1810	1750	84	83	51-111	3	27	
2,4,6-Trichlorophenol	ug/kg	<39.4	2140	2100	1580	1640	74	78	44-112	3	29	
2,4-Dichlorophenol	ug/kg	<38.1	2140	2100	1780	1760	83	84	51-105	1	27	
2,4-Dimethylphenol	ug/kg	<22.9	2140	2100	1420	1440	67	68	18-118	1	34	
2,4-Dinitrophenol	ug/kg	<61.0	2140	2100	541J	483J	25	23	10-131		12	
2,4-Dinitrotoluene	ug/kg	<35.6	2140	2100	1850	1760	87	84	25-132	5	27	
2,6-Dinitrotoluene	ug/kg	<43.2	2140	2100	1870	1770	87	84	31-125	5	27	
2-Chloronaphthalene	ug/kg	<35.6	2140	2100	1760	1690	82	80	47-106	4	29	
2-Chlorophenol	ug/kg	<34.3	2140	2100	1600	1590	75	76	47-103	1	28	
2-Methylnaphthalene	ug/kg	460	2140	2100	1960	1940	70	71	48-105	1	29	
2-Methylphenol(o-Cresol)	ug/kg	<39.4	2140	2100	1590	1580	74	76	40-105	0	28	
2-Nitroaniline	ug/kg	<71.2	2140	2100	1860	1750	87	83	38-130	6	27	
2-Nitrophenol	ug/kg	<58.5	2140	2100	1500	1700	70	81	22-129	12	29	
3&4-Methylphenol(m&p Cresol)	ug/kg	<45.8	2140	2100	1640	1590	77	76	37-110	3	27	
3,3'-Dichlorobenzidine	ug/kg	<144	2140	2100	349J	430J	16	20	10-138		38	
3-Nitroaniline	ug/kg	<127	2140	2100	804J	804J	38	38	23-126		32	
4,6-Dinitro-2-methylphenol	ug/kg	<55.9	2140	2100	745J	657J	35	31	10-139		67	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2094773 2094774

Parameter	Units	60262572001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Bromophenylphenyl ether	ug/kg	<33.1	2140	2100	1910	1790	89	86	51-108	6	28	
4-Chloro-3-methylphenol	ug/kg	<45.8	2140	2100	1870	1770	87	85	50-108	5	30	
4-Chloroaniline	ug/kg	<82.6	2140	2100	749J	697J	35	33	17-91		32	
4-Chlorophenylphenyl ether	ug/kg	<40.7	2140	2100	1860	1730	87	83	48-107	7	27	
4-Nitroaniline	ug/kg	<108	2140	2100	1000	997	47	48	20-122	0	28	
4-Nitrophenol	ug/kg	<66.1	2140	2100	1510J	1530J	71	73	47-113		26	
Acenaphthene	ug/kg	470	2140	2100	1830	1830	64	65	43-112	0	27	
Acenaphthylene	ug/kg	67.1J	2140	2100	1750	1710	78	78	45-108	2	27	
Anthracene	ug/kg	380J	2140	2100	1890	1850	71	70	39-118	2	27	
Benzo(a)anthracene	ug/kg	244J	2140	2100	2070	1890	86	79	43-112	9	29	
Benzo(a)pyrene	ug/kg	142J	2140	2100	2110	1810	92	80	39-112	15	30	
Benzo(b)fluoranthene	ug/kg	326J	2140	2100	2350	2050	95	82	41-114	14	33	
Benzo(g,h,i)perylene	ug/kg	75.7J	2140	2100	2020	1700	91	77	30-111	17	31	
Benzo(k)fluoranthene	ug/kg	<49.6	2140	2100	1850	1630	87	78	33-120	13	28	
Benzoic acid	ug/kg	<39.4	2140	2100	357J	375J	17	18	10-126		17	
Benzyl alcohol	ug/kg	<131	2140	2100	1740	1700	81	81	50-109	2	27	
bis(2-Chloroethoxy)methane	ug/kg	<33.1	2140	2100	1610	1590	75	76	48-101	1	27	
bis(2-Chloroethyl) ether	ug/kg	<33.1	2140	2100	2670	2260	125	108	47-102	17	26	M1
bis(2-Chloroisopropyl) ether	ug/kg	<33.1	2140	2100	1460	1460	68	69	44-103	0	25	
bis(2-Ethylhexyl)phthalate	ug/kg	<145	2140	2100	2120	1950	99	93	41-132	8	25	
Butylbenzylphthalate	ug/kg	<54.7	2140	2100	1990	1880	93	90	42-133	6	26	
Carbazole	ug/kg	206J	2140	2100	1740	1580	72	65	45-110	10	25	
Chrysene	ug/kg	255J	2140	2100	2090	1900	85	78	45-110	10	29	
Di-n-butylphthalate	ug/kg	<44.5	2140	2100	1890	1760	88	84	49-115	7	27	
Di-n-octylphthalate	ug/kg	<49.6	2140	2100	2080	1880	97	90	41-138	10	25	
Dibenz(a,h)anthracene	ug/kg	<38.1	2140	2100	1940	1740	91	83	39-110	11	29	
Dibenzofuran	ug/kg	271J	2140	2100	1790	1770	71	71	47-107	1	27	
Diethylphthalate	ug/kg	<39.4	2140	2100	1800	1660	84	79	48-108	8	26	
Dimethylphthalate	ug/kg	<40.7	2140	2100	1760	1670	82	80	47-106	5	26	
Fluoranthene	ug/kg	1120	2140	2100	2240	2230	53	53	34-121	1	34	
Fluorene	ug/kg	442	2140	2100	1880	1880	67	68	42-112	0	28	
Hexachloro-1,3-butadiene	ug/kg	<42.0	2140	2100	1710	1720	80	82	48-100	0	27	
Hexachlorobenzene	ug/kg	<40.7	2140	2100	1900	1780	89	85	47-107	7	27	
Hexachlorocyclopentadiene	ug/kg	<89.0	4290	4200	706	579	17	14	10-68	20	36	
Hexachloroethane	ug/kg	<31.8	2140	2100	1420	1440	66	69	37-101	1	29	
Indeno(1,2,3-cd)pyrene	ug/kg	79.0J	2140	2100	2040	1730	91	78	32-113	16	29	
Isophorone	ug/kg	<38.1	2140	2100	1570	1530	74	73	47-99	3	27	
N-Nitroso-di-n-propylamine	ug/kg	<42.0	2140	2100	1560	1550	73	74	45-105	1	27	
N-Nitrosodiphenylamine	ug/kg	<33.1	2140	2100	1760	1680	82	80	43-110	5	28	
Naphthalene	ug/kg	520	2140	2100	1760	1870	58	64	46-106	6	28	
Nitrobenzene	ug/kg	<39.4	2140	2100	1630	1610	76	77	45-105	1	29	
Pentachlorophenol	ug/kg	<39.4	2140	2100	1210J	1240J	57	59	27-124		18	
Phenanthrene	ug/kg	1690	2140	2100	2150	2340	22	31	49-110	8	26	M1
Phenol	ug/kg	<33.1	2140	2100	1590	1520	74	72	45-103	5	27	
Pyrene	ug/kg	834	2140	2100	2210	2160	64	63	47-117	2	30	
Pyridine	ug/kg	<34.3	2140	2100	883	959	41	46	10-85	8	28	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2094773 2094774

Parameter	Units	60262572001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4,6-Tribromophenol (S)	%						78	77	39-114			
2-Fluorobiphenyl (S)	%						77	75	61-109			
2-Fluorophenol (S)	%						66	69	46-102			
Nitrobenzene-d5 (S)	%						72	73	41-114			
Phenol-d6 (S)	%						74	76	48-102			
Terphenyl-d14 (S)	%						92	89	48-120			

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 511654 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV, RV
Associated Lab Samples: 60262572008, 60262572009, 60262572010

METHOD BLANK: 2095025 Matrix: Water
Associated Lab Samples: 60262572008, 60262572009, 60262572010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<0.33	10.0	0.33	01/25/18 18:04	
1,2-Dichlorobenzene	ug/L	<0.29	10.0	0.29	01/25/18 18:04	
1,3-Dichlorobenzene	ug/L	<0.54	10.0	0.54	01/25/18 18:04	
1,4-Dichlorobenzene	ug/L	<0.41	10.0	0.41	01/25/18 18:04	
2,4,5-Trichlorophenol	ug/L	<0.33	50.0	0.33	01/25/18 18:04	
2,4,6-Trichlorophenol	ug/L	<0.39	10.0	0.39	01/25/18 18:04	
2,4-Dichlorophenol	ug/L	<0.52	10.0	0.52	01/25/18 18:04	
2,4-Dimethylphenol	ug/L	<0.60	10.0	0.60	01/25/18 18:04	
2,4-Dinitrophenol	ug/L	<8.4	50.0	8.4	01/25/18 18:04	
2,4-Dinitrotoluene	ug/L	<0.33	10.0	0.33	01/25/18 18:04	
2,6-Dinitrotoluene	ug/L	<0.28	10.0	0.28	01/25/18 18:04	
2-Chloronaphthalene	ug/L	<0.35	10.0	0.35	01/25/18 18:04	
2-Chlorophenol	ug/L	<0.30	10.0	0.30	01/25/18 18:04	
2-Methylnaphthalene	ug/L	<0.26	10.0	0.26	01/25/18 18:04	
2-Methylphenol(o-Cresol)	ug/L	<0.28	10.0	0.28	01/25/18 18:04	
2-Nitroaniline	ug/L	<0.42	50.0	0.42	01/25/18 18:04	
2-Nitrophenol	ug/L	<0.28	10.0	0.28	01/25/18 18:04	
3&4-Methylphenol(m&p Cresol)	ug/L	<5.0	10.0	5.0	01/25/18 18:04	
3,3'-Dichlorobenzidine	ug/L	<0.39	20.0	0.39	01/25/18 18:04	
3-Nitroaniline	ug/L	<0.35	50.0	0.35	01/25/18 18:04	
4,6-Dinitro-2-methylphenol	ug/L	<0.55	50.0	0.55	01/25/18 18:04	
4-Bromophenylphenyl ether	ug/L	<0.38	10.0	0.38	01/25/18 18:04	
4-Chloro-3-methylphenol	ug/L	<0.25	20.0	0.25	01/25/18 18:04	
4-Chloroaniline	ug/L	<0.52	20.0	0.52	01/25/18 18:04	
4-Chlorophenylphenyl ether	ug/L	<0.30	10.0	0.30	01/25/18 18:04	
4-Nitroaniline	ug/L	<0.35	50.0	0.35	01/25/18 18:04	
4-Nitrophenol	ug/L	<0.31	50.0	0.31	01/25/18 18:04	
Acenaphthene	ug/L	<0.36	10.0	0.36	01/25/18 18:04	
Acenaphthylene	ug/L	<0.38	10.0	0.38	01/25/18 18:04	
Anthracene	ug/L	<0.30	10.0	0.30	01/25/18 18:04	
Benzo(a)anthracene	ug/L	<0.29	10.0	0.29	01/25/18 18:04	
Benzo(a)pyrene	ug/L	<0.36	10.0	0.36	01/25/18 18:04	
Benzo(b)fluoranthene	ug/L	<0.35	10.0	0.35	01/25/18 18:04	
Benzo(g,h,i)perylene	ug/L	<0.40	10.0	0.40	01/25/18 18:04	
Benzo(k)fluoranthene	ug/L	<0.42	10.0	0.42	01/25/18 18:04	
Benzoic acid	ug/L	<2.5	50.0	2.5	01/25/18 18:04	
Benzyl alcohol	ug/L	<0.35	20.0	0.35	01/25/18 18:04	
bis(2-Chloroethoxy)methane	ug/L	<5.0	10.0	5.0	01/25/18 18:04	
bis(2-Chloroethyl) ether	ug/L	<0.29	10.0	0.29	01/25/18 18:04	
bis(2-Chloroisopropyl) ether	ug/L	<0.29	10.0	0.29	01/25/18 18:04	
bis(2-Ethylhexyl)phthalate	ug/L	<0.62	10.0	0.62	01/25/18 18:04	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

METHOD BLANK: 2095025 Matrix: Water
Associated Lab Samples: 60262572008, 60262572009, 60262572010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Butylbenzylphthalate	ug/L	<0.40	10.0	0.40	01/25/18 18:04	
Carbazole	ug/L	<0.35	10.0	0.35	01/25/18 18:04	
Chrysene	ug/L	<0.36	10.0	0.36	01/25/18 18:04	
Di-n-butylphthalate	ug/L	<0.39	10.0	0.39	01/25/18 18:04	
Di-n-octylphthalate	ug/L	<0.50	10.0	0.50	01/25/18 18:04	
Dibenz(a,h)anthracene	ug/L	<0.45	10.0	0.45	01/25/18 18:04	
Dibenzofuran	ug/L	<0.39	10.0	0.39	01/25/18 18:04	
Diethylphthalate	ug/L	<0.45	10.0	0.45	01/25/18 18:04	
Dimethylphthalate	ug/L	<0.35	10.0	0.35	01/25/18 18:04	
Fluoranthene	ug/L	<0.37	10.0	0.37	01/25/18 18:04	
Fluorene	ug/L	<0.34	10.0	0.34	01/25/18 18:04	
Hexachloro-1,3-butadiene	ug/L	<0.38	10.0	0.38	01/25/18 18:04	
Hexachlorobenzene	ug/L	<0.30	10.0	0.30	01/25/18 18:04	
Hexachlorocyclopentadiene	ug/L	<0.35	10.0	0.35	01/25/18 18:04	
Hexachloroethane	ug/L	<0.29	10.0	0.29	01/25/18 18:04	
Indeno(1,2,3-cd)pyrene	ug/L	<0.32	10.0	0.32	01/25/18 18:04	
Isophorone	ug/L	<0.28	10.0	0.28	01/25/18 18:04	
N-Nitroso-di-n-propylamine	ug/L	<0.27	10.0	0.27	01/25/18 18:04	
N-Nitrosodiphenylamine	ug/L	<0.40	10.0	0.40	01/25/18 18:04	
Naphthalene	ug/L	<0.36	10.0	0.36	01/25/18 18:04	
Nitrobenzene	ug/L	<0.30	10.0	0.30	01/25/18 18:04	
Pentachlorophenol	ug/L	<0.31	50.0	0.31	01/25/18 18:04	
Phenanthrene	ug/L	<0.34	10.0	0.34	01/25/18 18:04	
Phenol	ug/L	<5.0	10.0	5.0	01/25/18 18:04	
Pyrene	ug/L	<0.28	10.0	0.28	01/25/18 18:04	
Pyridine	ug/L	<0.31	10.0	0.31	01/25/18 18:04	
2,4,6-Tribromophenol (S)	%	87	21-124		01/25/18 18:04	
2-Fluorobiphenyl (S)	%	78	30-103		01/25/18 18:04	
2-Fluorophenol (S)	%	43	10-68		01/25/18 18:04	
Nitrobenzene-d5 (S)	%	77	33-99		01/25/18 18:04	
Phenol-d6 (S)	%	27	10-56		01/25/18 18:04	
Terphenyl-d14 (S)	%	86	38-114		01/25/18 18:04	

LABORATORY CONTROL SAMPLE: 2095026

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	100	75.6	76	27-115	
1,2-Dichlorobenzene	ug/L	100	72.7	73	27-111	
1,3-Dichlorobenzene	ug/L	100	71.2	71	26-109	
1,4-Dichlorobenzene	ug/L	100	71.8	72	26-109	
2,4,5-Trichlorophenol	ug/L	100	77.4	77	30-128	
2,4,6-Trichlorophenol	ug/L	100	78.9	79	29-128	
2,4-Dichlorophenol	ug/L	100	74.8	75	29-121	
2,4-Dimethylphenol	ug/L	100	70.9	71	29-113	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

LABORATORY CONTROL SAMPLE: 2095026

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	ug/L	100	70.0	70	19-142	
2,4-Dinitrotoluene	ug/L	100	81.1	81	31-135	
2,6-Dinitrotoluene	ug/L	100	79.1	79	31-132	
2-Chloronaphthalene	ug/L	100	75.9	76	29-122	
2-Chlorophenol	ug/L	100	67.6	68	26-111	
2-Methylnaphthalene	ug/L	100	73.4	73	30-121	
2-Methylphenol(o-Cresol)	ug/L	100	60.7	61	26-100	
2-Nitroaniline	ug/L	100	76.6	77	30-132	
2-Nitrophenol	ug/L	100	79.2	79	27-128	
3&4-Methylphenol(m&p Cresol)	ug/L	100	54.0	54	22-95	
3,3'-Dichlorobenzidine	ug/L	100	93.7	94	18-189	
3-Nitroaniline	ug/L	100	79.8	80	31-149	
4,6-Dinitro-2-methylphenol	ug/L	100	80.6	81	25-141	
4-Bromophenylphenyl ether	ug/L	100	79.3	79	30-131	
4-Chloro-3-methylphenol	ug/L	100	73.6	74	29-124	
4-Chloroaniline	ug/L	100	74.7	75	26-142	
4-Chlorophenylphenyl ether	ug/L	100	79.1	79	31-127	
4-Nitroaniline	ug/L	100	82.5	82	29-136	
4-Nitrophenol	ug/L	100	27.6J	28	10-60	
Acenaphthene	ug/L	100	75.6	76	30-127	
Acenaphthylene	ug/L	100	76.6	77	29-126	
Anthracene	ug/L	100	79.4	79	32-131	
Benzo(a)anthracene	ug/L	100	78.6	79	32-131	
Benzo(a)pyrene	ug/L	100	80.0	80	30-131	
Benzo(b)fluoranthene	ug/L	100	80.9	81	31-134	
Benzo(g,h,i)perylene	ug/L	100	77.8	78	29-133	
Benzo(k)fluoranthene	ug/L	100	79.6	80	30-133	
Benzoic acid	ug/L	100	13.6J	14	10-64	
Benzyl alcohol	ug/L	100	57.1	57	19-106	
bis(2-Chloroethoxy)methane	ug/L	100	73.0	73	29-122	
bis(2-Chloroethyl) ether	ug/L	100	73.2	73	25-122	
bis(2-Chloroisopropyl) ether	ug/L	100	68.5	69	26-121	
bis(2-Ethylhexyl)phthalate	ug/L	100	76.2	76	34-139	
Butylbenzylphthalate	ug/L	100	77.6	78	30-142	
Carbazole	ug/L	100	79.5	79	31-133	
Chrysene	ug/L	100	78.9	79	32-133	
Di-n-butylphthalate	ug/L	100	80.1	80	35-135	
Di-n-octylphthalate	ug/L	100	79.5	79	31-139	
Dibenz(a,h)anthracene	ug/L	100	78.6	79	30-133	
Dibenzofuran	ug/L	100	76.9	77	30-126	
Diethylphthalate	ug/L	100	77.0	77	34-129	
Dimethylphthalate	ug/L	100	77.0	77	34-127	
Fluoranthene	ug/L	100	81.0	81	32-134	
Fluorene	ug/L	100	78.0	78	31-128	
Hexachloro-1,3-butadiene	ug/L	100	74.2	74	25-112	
Hexachlorobenzene	ug/L	100	83.5	83	30-130	
Hexachlorocyclopentadiene	ug/L	200	79.8	40	10-61	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

LABORATORY CONTROL SAMPLE: 2095026

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachloroethane	ug/L	100	67.6	68	24-107	
Indeno(1,2,3-cd)pyrene	ug/L	100	76.9	77	30-131	
Isophorone	ug/L	100	72.4	72	29-125	
N-Nitroso-di-n-propylamine	ug/L	100	71.8	72	29-123	
N-Nitrosodiphenylamine	ug/L	100	78.4	78	31-129	
Naphthalene	ug/L	100	73.7	74	30-118	
Nitrobenzene	ug/L	100	73.7	74	28-123	
Pentachlorophenol	ug/L	100	78.6	79	27-136	
Phenanthrene	ug/L	100	78.9	79	32-130	
Phenol	ug/L	100	29.5	30	10-61	
Pyrene	ug/L	100	76.6	77	32-132	
Pyridine	ug/L	100	28.7	29	10-66	
2,4,6-Tribromophenol (S)	%			85	21-124	
2-Fluorobiphenyl (S)	%			74	30-103	
2-Fluorophenol (S)	%			40	10-68	
Nitrobenzene-d5 (S)	%			71	33-99	
Phenol-d6 (S)	%			26	10-56	
Terphenyl-d14 (S)	%			79	38-114	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 511638 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 MSSV TPH ORO
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007

METHOD BLANK: 2094920 Matrix: Solid
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH-DRO	mg/kg	<1.2	14.6	1.2	01/31/18 05:09	
TPH-ORO	mg/kg	4.3J	14.6	1.2	01/31/18 05:09	
2-Fluorobiphenyl (S)	%	85	61-109		01/31/18 05:09	
Nitrobenzene-d5 (S)	%	86	41-114		01/31/18 05:09	
Terphenyl-d14 (S)	%	86	48-120		01/31/18 05:09	

LABORATORY CONTROL SAMPLE: 2094921

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/kg	324	244	75	56-129	
2-Fluorobiphenyl (S)	%			92	61-109	
Nitrobenzene-d5 (S)	%			81	41-114	
Terphenyl-d14 (S)	%			92	48-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2094922 2094923

Parameter	Units	60262572001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-DRO	mg/kg	65.6	420	426	643	624	138	131	17-150	3	26	
2-Fluorobiphenyl (S)	%						84	85	61-109			
Nitrobenzene-d5 (S)	%						87	86	41-114			
Terphenyl-d14 (S)	%						72	80	48-120			

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 511572 Analysis Method: EPA 8270
QC Batch Method: EPA 3510C Analysis Description: 8270 MSSV TPH ORO
Associated Lab Samples: 60262572008, 60262572009, 60262572010

METHOD BLANK: 2094760 Matrix: Water
Associated Lab Samples: 60262572008, 60262572009, 60262572010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH-DRO	mg/L	<1.0	1.0	1.0	01/26/18 11:53	
TPH-ORO	mg/L	<1.0	1.0	1.0	01/26/18 11:53	
2-Fluorobiphenyl (S)	%	112	30-103		01/26/18 11:53	S3
Nitrobenzene-d5 (S)	%	86	33-99		01/26/18 11:53	
Terphenyl-d14 (S)	%	77	38-114		01/26/18 11:53	

LABORATORY CONTROL SAMPLE: 2094761

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/L	100	69.8	70	37-133	
2-Fluorobiphenyl (S)	%			88	30-103	
Nitrobenzene-d5 (S)	%			100	33-99	S0
Terphenyl-d14 (S)	%			87	38-114	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 512469 Analysis Method: ASTM D2974
QC Batch Method: ASTM D2974 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007

METHOD BLANK: 2098146 Matrix: Solid
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Percent Moisture	%	<0.50	0.50	0.50	01/31/18 00:00	

SAMPLE DUPLICATE: 2098147

Parameter	Units	60262572001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	22.3	21.2	5	20	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 511811 Analysis Method: SM 4500-H+B
QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH
Associated Lab Samples: 60262572008, 60262572009, 60262572010

SAMPLE DUPLICATE: 2095618

Parameter	Units	60260936001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.7	7.7	0	5	H6

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 512182 Analysis Method: EPA 9045
QC Batch Method: EPA 9045 Analysis Description: 9045 pH
Associated Lab Samples: 60262572001

SAMPLE DUPLICATE: 2097161

Parameter	Units	60262224001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.8	6.8	0	3	H3

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 512294 Analysis Method: EPA 9045
QC Batch Method: EPA 9045 Analysis Description: 9045 pH
Associated Lab Samples: 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007

SAMPLE DUPLICATE: 2097532

Parameter	Units	60262572002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.5	0	3	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 511900 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 60262572008, 60262572009, 60262572010

METHOD BLANK: 2095970 Matrix: Water
Associated Lab Samples: 60262572008, 60262572009, 60262572010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.050	0.10	0.050	01/26/18 10:57	

LABORATORY CONTROL SAMPLE: 2095971

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	2.0	101	90-110	

MATRIX SPIKE SAMPLE: 2095972

Parameter	Units	60262522002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	8.6	10	18.2	96	90-110	

MATRIX SPIKE SAMPLE: 2095974

Parameter	Units	60262516065 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	574	400	913	85	90-110	M1

SAMPLE DUPLICATE: 2095973

Parameter	Units	60262516057 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	28.8	28.1	3	20	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 512959 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007

METHOD BLANK: 2100107 Matrix: Solid
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005, 60262572006, 60262572007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfate	mg/kg	<50.0	100	50.0	02/05/18 16:34	

LABORATORY CONTROL SAMPLE: 2100108

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/kg	500	514	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2100110 2100111

Parameter	Units	60262653001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/kg	35200	2080	2080	40400	40700	249	260	80-120	1	15	M1

SAMPLE DUPLICATE: 2100109

Parameter	Units	60262572001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfate	mg/kg	403	403	0	15	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 513009 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005

METHOD BLANK: 2100256 Matrix: Solid
Associated Lab Samples: 60262572001, 60262572002, 60262572003, 60262572004, 60262572005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrate as N	mg/kg	<5.0	10.0	5.0	02/05/18 18:26	
Nitrite as N	mg/kg	<5.0	10.0	5.0	02/05/18 18:26	

LABORATORY CONTROL SAMPLE: 2100257

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/kg	200	198	99	80-120	
Nitrite as N	mg/kg	200	199	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2100258 2100259

Parameter	Units	60262516041 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/kg	ND	248	248	267	267	104	104	80-120	0	15	
Nitrite as N	mg/kg	ND	248	248	264	265	106	107	80-120	0	15	

SAMPLE DUPLICATE: 2100260

Parameter	Units	60262516042 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrate as N	mg/kg	ND	11.6J		15	
Nitrite as N	mg/kg	ND	<6.1		15	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 513010 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Associated Lab Samples: 60262572006, 60262572007

METHOD BLANK: 2100261 Matrix: Solid
Associated Lab Samples: 60262572006, 60262572007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrate as N	mg/kg	<5.0	10.0	5.0	02/06/18 00:14	
Nitrite as N	mg/kg	<5.0	10.0	5.0	02/06/18 00:14	

LABORATORY CONTROL SAMPLE: 2100262

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/kg	200	194	97	80-120	
Nitrite as N	mg/kg	200	192	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2100263 2100264

Parameter	Units	60262572006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/kg	124	255	255	392	386	105	103	80-120	1	15	
Nitrite as N	mg/kg	<6.4	255	255	265	256	104	100	80-120	3	15	

SAMPLE DUPLICATE: 2100265

Parameter	Units	60262572007 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrate as N	mg/kg	24.7	24.3	2	15	
Nitrite as N	mg/kg	<6.7	<6.7		15	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

QC Batch: 512697 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Associated Lab Samples: 60262572008, 60262572009, 60262572010

METHOD BLANK: 2098829 Matrix: Water
Associated Lab Samples: 60262572008, 60262572009, 60262572010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfate	mg/L	<0.50	1.0	0.50	02/02/18 13:37	

LABORATORY CONTROL SAMPLE: 2098830

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	5	5.1	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2098831 2098832

Parameter	Units	60262735006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	60.1	250	250	308	317	99	103	80-120	3	15	

SAMPLE DUPLICATE: 2098833

Parameter	Units	60262736009 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfate	mg/L		277	4	15	

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QUALIFIERS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

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 adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

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.

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-D	Pace Analytical Services - Dallas
PASI-K	Pace Analytical Services - Kansas City

BATCH QUALIFIERS

Batch: 511572
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 511654
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 511774
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 511785
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 511832
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 511857
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1e	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
B	Analyte was detected in the associated method blank.

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QUALIFIERS

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
H1	Analysis conducted outside the EPA method holding time.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold NELAC/TNI accreditation for this parameter.
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).
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60262572001	**SB-1 (0-1)**	EPA 3546	91279	EPA 8081	91461
60262572002	**SB-1 (3-5)**	EPA 3546	91279	EPA 8081	91461
60262572003	**SB-2 (0-1)**	EPA 3546	91279	EPA 8081	91461
60262572004	**SB-2 (3-5)**	EPA 3546	91279	EPA 8081	91461
60262572005	**SB-3 (0-1)**	EPA 3546	91279	EPA 8081	91461
60262572006	**SB-3 (3-5)**	EPA 3546	91279	EPA 8081	91461
60262572007	**SB-2 (12-14)**	EPA 3546	91279	EPA 8081	91461
60262572008	**SB-1**	EPA 3510	91344	EPA 8081	91861
60262572009	**SB-2**	EPA 3510	91344	EPA 8081	91861
60262572010	**SB-3**	EPA 3510	91344	EPA 8081	91861
60262572001	**SB-1 (0-1)**	EPA 3546	91281	EPA 8141A	91532
60262572002	**SB-1 (3-5)**	EPA 3546	91281	EPA 8141A	91532
60262572003	**SB-2 (0-1)**	EPA 3546	91281	EPA 8141A	91532
60262572004	**SB-2 (3-5)**	EPA 3546	91281	EPA 8141A	91532
60262572005	**SB-3 (0-1)**	EPA 3546	91281	EPA 8141A	91532
60262572006	**SB-3 (3-5)**	EPA 3546	91281	EPA 8141A	91532
60262572007	**SB-2 (12-14)**	EPA 3546	91281	EPA 8141A	91532
60262572008	**SB-1**	EPA 3510	91347	EPA 8141A	91684
60262572009	**SB-2**	EPA 3510	91347	EPA 8141A	91684
60262572010	**SB-3**	EPA 3510	91347	EPA 8141A	91684
60262572001	**SB-1 (0-1)**	EPA 3546	91432	EPA 8151	91492
60262572002	**SB-1 (3-5)**	EPA 3546	91432	EPA 8151	91492
60262572003	**SB-2 (0-1)**	EPA 3546	91432	EPA 8151	91492
60262572004	**SB-2 (3-5)**	EPA 3546	91432	EPA 8151	91492
60262572005	**SB-3 (0-1)**	EPA 3546	91432	EPA 8151	91492
60262572006	**SB-3 (3-5)**	EPA 3546	91432	EPA 8151	91492
60262572007	**SB-2 (12-14)**	EPA 3546	91432	EPA 8151	91492
60262572008	**SB-1**	EPA 8151	91466	EPA 8151	91671
60262572009	**SB-2**	EPA 8151	91466	EPA 8151	91671
60262572010	**SB-3**	EPA 8151	91466	EPA 8151	91671
60262572001	**SB-1 (0-1)**	EPA 3050	511567	EPA 6010	511705
60262572002	**SB-1 (3-5)**	EPA 3050	511567	EPA 6010	511705
60262572003	**SB-2 (0-1)**	EPA 3050	511567	EPA 6010	511705
60262572004	**SB-2 (3-5)**	EPA 3050	511567	EPA 6010	511705
60262572005	**SB-3 (0-1)**	EPA 3050	511567	EPA 6010	511705
60262572006	**SB-3 (3-5)**	EPA 3050	511567	EPA 6010	511705
60262572007	**SB-2 (12-14)**	EPA 3050	511567	EPA 6010	511705
60262572008	**SB-1**	EPA 3010	513613	EPA 6010	513614
60262572009	**SB-2**	EPA 3010	513613	EPA 6010	513614
60262572010	**SB-3**	EPA 3010	513613	EPA 6010	513614
60262572008	**SB-1**	EPA 3010	513463	EPA 6010	513595
60262572009	**SB-2**	EPA 3010	513463	EPA 6010	513595
60262572010	**SB-3**	EPA 3010	513463	EPA 6010	513595
60262572008	**SB-1**	EPA 7470	513439	EPA 7470	513467

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60262572009	**SB-2**	EPA 7470	513439	EPA 7470	513467
60262572010	**SB-3**	EPA 7470	513439	EPA 7470	513467
60262572008	**SB-1**	EPA 7470	513471	EPA 7470	513506
60262572009	**SB-2**	EPA 7470	513471	EPA 7470	513506
60262572010	**SB-3**	EPA 7470	513471	EPA 7470	513506
60262572001	**SB-1 (0-1)**	EPA 7471	511728	EPA 7471	511777
60262572002	**SB-1 (3-5)**	EPA 7471	511728	EPA 7471	511777
60262572003	**SB-2 (0-1)**	EPA 7471	511728	EPA 7471	511777
60262572004	**SB-2 (3-5)**	EPA 7471	511728	EPA 7471	511777
60262572005	**SB-3 (0-1)**	EPA 7471	511728	EPA 7471	511777
60262572006	**SB-3 (3-5)**	EPA 7471	511728	EPA 7471	511777
60262572007	**SB-2 (12-14)**	EPA 7471	511728	EPA 7471	511777
60262572001	**SB-1 (0-1)**	EPA 3546	511576	EPA 8270	511821
60262572002	**SB-1 (3-5)**	EPA 3546	511576	EPA 8270	511821
60262572003	**SB-2 (0-1)**	EPA 3546	511576	EPA 8270	511821
60262572004	**SB-2 (3-5)**	EPA 3546	511576	EPA 8270	511821
60262572005	**SB-3 (0-1)**	EPA 3546	511576	EPA 8270	511821
60262572006	**SB-3 (3-5)**	EPA 3546	511576	EPA 8270	511821
60262572007	**SB-2 (12-14)**	EPA 3546	511576	EPA 8270	511821
60262572008	**SB-1**	EPA 3510	511654	EPA 8270	511825
60262572009	**SB-2**	EPA 3510	511654	EPA 8270	511825
60262572010	**SB-3**	EPA 3510	511654	EPA 8270	511825
60262572001	**SB-1 (0-1)**	EPA 3546	511638	EPA 8270	512014
60262572002	**SB-1 (3-5)**	EPA 3546	511638	EPA 8270	512014
60262572003	**SB-2 (0-1)**	EPA 3546	511638	EPA 8270	512014
60262572004	**SB-2 (3-5)**	EPA 3546	511638	EPA 8270	512014
60262572005	**SB-3 (0-1)**	EPA 3546	511638	EPA 8270	512014
60262572006	**SB-3 (3-5)**	EPA 3546	511638	EPA 8270	512014
60262572007	**SB-2 (12-14)**	EPA 3546	511638	EPA 8270	512014
60262572008	**SB-1**	EPA 3510C	511572	EPA 8270	511973
60262572009	**SB-2**	EPA 3510C	511572	EPA 8270	511973
60262572010	**SB-3**	EPA 3510C	511572	EPA 8270	511973
60262572001	**SB-1 (0-1)**	EPA 5035A/8260	511774		
60262572002	**SB-1 (3-5)**	EPA 5035A/8260	511774		
60262572003	**SB-2 (0-1)**	EPA 5035A/8260	511774		
60262572004	**SB-2 (3-5)**	EPA 5035A/8260	511774		
60262572005	**SB-3 (0-1)**	EPA 5035A/8260	511774		
60262572006	**SB-3 (3-5)**	EPA 5035A/8260	511774		
60262572007	**SB-2 (12-14)**	EPA 5035A/8260	511774		
60262572008	**SB-1**	EPA 5030B/8260	511785		
60262572009	**SB-2**	EPA 5030B/8260	511785		
60262572010	**SB-3**	EPA 5030B/8260	511785		
60262572008	**SB-1**	EPA 8260	511832		
60262572009	**SB-2**	EPA 8260	511832		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60262572010	**SB-3**	EPA 8260	511832		
60262572001	**SB-1 (0-1)**	EPA 8260	511857		
60262572002	**SB-1 (3-5)**	EPA 8260	511857		
60262572003	**SB-2 (0-1)**	EPA 8260	511857		
60262572004	**SB-2 (3-5)**	EPA 8260	511857		
60262572005	**SB-3 (0-1)**	EPA 8260	511857		
60262572006	**SB-3 (3-5)**	EPA 8260	511857		
60262572007	**SB-2 (12-14)**	EPA 8260	511857		
60262572011	**TRIP BLANK SOIL**	EPA 8260	511857		
60262572001	**SB-1 (0-1)**	ASTM D2974	512469		
60262572002	**SB-1 (3-5)**	ASTM D2974	512469		
60262572003	**SB-2 (0-1)**	ASTM D2974	512469		
60262572004	**SB-2 (3-5)**	ASTM D2974	512469		
60262572005	**SB-3 (0-1)**	ASTM D2974	512469		
60262572006	**SB-3 (3-5)**	ASTM D2974	512469		
60262572007	**SB-2 (12-14)**	ASTM D2974	512469		
60262572008	**SB-1**	SM 4500-H+B	511811		
60262572009	**SB-2**	SM 4500-H+B	511811		
60262572010	**SB-3**	SM 4500-H+B	511811		
60262572001	**SB-1 (0-1)**	EPA 9045	512182		
60262572002	**SB-1 (3-5)**	EPA 9045	512294		
60262572003	**SB-2 (0-1)**	EPA 9045	512294		
60262572004	**SB-2 (3-5)**	EPA 9045	512294		
60262572005	**SB-3 (0-1)**	EPA 9045	512294		
60262572006	**SB-3 (3-5)**	EPA 9045	512294		
60262572007	**SB-2 (12-14)**	EPA 9045	512294		
60262572008	**SB-1**	EPA 353.2	511900		
60262572009	**SB-2**	EPA 353.2	511900		
60262572010	**SB-3**	EPA 353.2	511900		
60262572001	**SB-1 (0-1)**	EPA 9056	512959	EPA 9056	512960
60262572002	**SB-1 (3-5)**	EPA 9056	512959	EPA 9056	512960
60262572003	**SB-2 (0-1)**	EPA 9056	512959	EPA 9056	512960
60262572004	**SB-2 (3-5)**	EPA 9056	512959	EPA 9056	512960
60262572005	**SB-3 (0-1)**	EPA 9056	512959	EPA 9056	512960
60262572006	**SB-3 (3-5)**	EPA 9056	512959	EPA 9056	512960
60262572007	**SB-2 (12-14)**	EPA 9056	512959	EPA 9056	512960
60262572001	**SB-1 (0-1)**	EPA 9056	513009	EPA 9056	513102
60262572002	**SB-1 (3-5)**	EPA 9056	513009	EPA 9056	513102
60262572003	**SB-2 (0-1)**	EPA 9056	513009	EPA 9056	513102
60262572004	**SB-2 (3-5)**	EPA 9056	513009	EPA 9056	513102
60262572005	**SB-3 (0-1)**	EPA 9056	513009	EPA 9056	513102
60262572006	**SB-3 (3-5)**	EPA 9056	513010	EPA 9056	513101
60262572007	**SB-2 (12-14)**	EPA 9056	513010	EPA 9056	513101
60262572008	**SB-1**	EPA 9056	512697		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mead Hansen Building Site 1/22
Pace Project No.: 60262572

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60262572009	**SB-2**	EPA 9056	512697		
60262572010	**SB-3**	EPA 9056	512697		

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Pace Analytical
www.pacelabs.com

Sample Condition Upon Receipt

WO# : 60262572

60262572

Client Name: Tetra Tech

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☒ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☐ Other ☐

Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☐

Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☒ None ☐ Other ☐

Thermometer Used: CF 0.0 T-266 / CF +0.2 T-239 **Type of Ice:** Wet Blue None

Cooler Temperature (°C): **As-read** 3.0 2.8 4.0 4.6 2.0 **Corr. Factor** CF 0.0 CF +0.2 **Corrected** 3.0 2.8 4.0 4.6 2.0

Date and initials of person examining contents: JB 1/23

Temperature should be above freezing to 6°C

Chain of Custody present:	☒Yes ☐No ☐N/A	Extra sample - SB-2 (12-14) 1/22/18 1550
Chain of Custody relinquished:	☒Yes ☐No ☐N/A	(6)GRA (2)OTHER (2)DGM (4)BGM
Samples arrived within holding time:	☒Yes ☐No ☐N/A	All samples collected 1/22
Short Hold Time analyses (<72hr):	☐Yes ☒No ☐N/A	
Rush Turn Around Time requested:	☐Yes ☒No ☐N/A	
Sufficient volume:	☒Yes ☐No ☐N/A	
Correct containers used:	☒Yes ☐No ☐N/A	
Pace containers used:	☒Yes ☐No ☐N/A	
Containers intact:	☒Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐Yes ☐No ☒N/A	
Filtered volume received for dissolved tests?	☐Yes ☐No ☒N/A	
Sample labels match COC: Date / time / ID / analyses	☒Yes ☐No ☐N/A	
Samples contain multiple phases? Matrix: SL WT	☐Yes ☒No ☐N/A	
Containers requiring pH preservation in compliance? (HNO_3, H_2SO_4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	☒Yes ☐No ☐N/A	
Cyanide water sample checks: ☒N/A Lead acetate strip turns dark? (Record only) Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No ☐Yes ☐No	
Trip Blank present:	☒Yes ☐No ☐N/A	
Headspace in VOA vials (>6mm):	☐Yes ☒No ☐N/A	
Samples from USDA Regulated Area: State: MO	☐Yes ☒No ☐N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☒No ☐N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: John Simpson Date/Time: 1/23/18 14:30

Comments/ Resolution: SB-2 (12-14) Sample received not on CoC. Per client run full suite on sample.

Project Manager Review: [signature] Date: 1/23/18

CHAIN-OF-CUSTODY / Analytical Request Document

Pace Analytical
www.pacelabs.com

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: | of

Section A Required Client Information:

Company:	Tetra Tech EMI
Address:	415 Oak
	Kansas City, MO 64106
Email To:	Emily.Fisher@tetratech.com
Phone: (816) 412-1755	Fax:
Requested Due Date/TAT:	Standard

Section B Required Project Information:

Report To:	Emily Fisher
Copy To:	John Simpson
Purchase Order No.:	1146252
Project Name:	Mead Hansen Building Site
Project Number:	

Section C Invoice Information:

Attention:	Accounts Payable
Company Name:	Tetra Tech, Inc.
Address:	415 Oak St. Kansas City, MO 64106
Pace Quote Reference:	
Pace Project Manager:	Jeffrey Shopper 913-563-1408
Pace Profile #:	970

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MO

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: 8260 VOCs	8270 SVOCs	RCRA 8 Metals	8081 OC Pesticides	8141 OP Pesticides	8151 Herbicides	8270 DRO/ORO	8260 GRO	353.2 Nitrogen NO2/NO3	9056 Sulfate	pH	Dissolved RCRA 8 Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 60262572
1	SB-1 (0-2) (6)MeOH (2)OTHR	SL	G				1350		14	B					42			X	X	X	X	X	X	X	X	X	X	X	X	(2)VOAH (4)VOA 001
2	SB-1 (3-5)	SL	G				1400											X	X	X	X	X	X	X	X	X	X	X	X	002
3	SB-2 (0-1)	SL	G				1520											X	X	X	X	X	V	X	X	X	X	X	X	003
4	SB-2 (3-5)	SL	G				1530											X	X	X	X	X	X	X	X	X	X	X	X	004
5	SB-3 (0-1)	SL	G				1650										II	X	X	X	X	X	X	X	X	X	X	X	X	005
6	SB-3 (3-5)	SL	G				1700											X	X	X	X	X	X	X	X	X	X	X	X	006
7																														007
8	SB-1 BP3S BP3N (6)DW	WT	G				1440		19	11	1	1	6					X	X	X	X	X	X	X	X	X	X	X	X	(5)AGW (2)AG2U (2)BP3U (2)AGW 008
9	SB-2	WT	G				1620											X	X	X	X	X	X	X	X	V	V	X	X	009
10	SB-3	WT	G				1720											X	X	X	X	X	X	X	X	X	X	X	X	010
11																														(2)VOAH TB 011
12																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		1/23/18	0900		1/22/18	1205

SAMPLE CONDITIONS

	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	9.0	Y	Y	Y Y
	2.0	Y	Y	Y
	6.0	Y	Y	Y
	4.0 20	Y Y	Y Y	Y Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JOHN SIMPSON

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 1/22/18

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.08, 12-Oct-2007

Pace Analytical®	Document Name: Sample Condition Upon Receipt	Document Revised: 09-26-17 Page 1 of 1
	Document No.: F-DAL-C-001-rev.07	Issuing Authority: Pace Dallas Quality Office

Sample Condition Upon Receipt

☒Dallas ☐Ft Worth

WO#: 7580994

7580994

Client Name: Pace - KS Project Work order: _

Courier: FedEX ☑ UPS ☐ USPS ☐ Client ☐ LSO ☐ PACE ☐ Other: _____

Tracking #: 4122 4942

Custody Seal on Cooler/Box: Yes ☑ No ☐ **Seals Intact:** Yes ☑ No ☐ NA ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☑ Foam ☐ None ☐ Other ☐

Thermometer Used: IR- C81 Type of Ice: Wet ☑ Blue ☐ None ☐ Sample Received on ice, cooling process has begun ☑

Cooler Temp °C: 2.2 (Recorded) -0.5 (Correction Factor) 1.7 (Actual) ☐ (Thermal preservation not required)

Temp should be above freezing to 6°C

Chain of Custody Present	Yes ☑ No ☐ NA ☐	1
Chain of Custody filled out	Yes ☑ No ☐ NA ☐	2
Chain of Custody relinquished	Yes ☑ No ☐ NA ☐	3
Sampler name & signature on COC	Yes ☐ No ☑ NA ☐	4
Sample received within HT	Yes ☑ No ☐ NA ☐	5
Short HT analyses (<72 hrs)	Yes ☐ No ☑ NA ☐	6
Rush TAT requested	Yes ☐ No ☑ NA ☐	7
Sufficient Volume received	Yes ☑ No ☐ NA ☐	8
Correct Container used Pace Container used	Yes ☑ No ☐ NA ☐ Yes ☑ No ☐ NA ☐	9
Container Intact	Yes ☑ No ☐ NA ☐	10
Unpreserved 5035A soil frozen within 48 hrs	Yes ☐ No ☐ NA ☑	11
Filtered volume received for Dissolved tests	Yes ☐ No ☐ NA ☑	12
Sample labels match COC Include date/time/ID/analyses Matrix:	Yes ☑ No ☐ NA ☐ Solid / water	13
All containers needing preservation have been checked and found to be in Compliance with EPA recommendation (includes residual chlorine checks) **Exception**: VOA, coliform, O&G	Yes ☐ No ☐ NA ☑ Yes ☐ No ☑	14a. pH Strip Lot #: _____ Original pH: pH<2 ☐ pH>9 ☐ pH>12 ☐ Neutral ☐ Lot# of Iodine strip: _____ Lot# of Lead Acetate strip: _____
Do containers require preservation at the lab	Yes ☐ No ☐ NA ☑	14b. Preservation: Lot# and adjusted pH: pH<2 ☐ pH>9 ☐ pH>12
Are soil samples (volatiles) received in Bulk ☐ Terracore ☐ EnCore ☐ NA ☑		15.
Trip Blank present Trip Blank Custody Seals Intact Pace Trip Blank Lot# (if purchased):	Yes ☐ No ☐ NA ☑ Yes ☐ No ☐ NA ☑	16.
Headspace in VOA (>6mm)	Yes ☐ No ☐ NA ☑	17.
Project sampled in USDA Regulated Area:	Yes ☐ No ☑	18. List State MO

Triage Person: _____ Date: 1/24/18 **Login Person:** MM Date: 1-25-18 **Labeling Person:** MM Date: 1-25-18

Client Notification/Resolution/Comments:

Person Contacted: _____ Date: _____

Comments/Resolution: _____

Project Manager Review: _____

Chain of Custody

Pace Analytical®
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Workorder: 60262572 **Workorder Name:** Mead Hansen Building Site **Owner Received Date:** 1/23/2018 **Results Requested By:** 2/6/2018

Report To	Subcontract To
Jeffrey Shopper Pace Analytical Kansas 9608 Loiret Blvd. Lenexa, KS 66219 Phone 1(913)563-1408	Pace Analytical Dallas 400 West Bethany Drive Suite 190 Allen, TX 75013 Phone (972)727-1123

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved						Requested Analysis: 8081 Pesticides	8141 Pesticides	8151 Herbicides									1580994 LAB USE ONLY
1	SB-1 (0-1)	PS	1/22/2018 13:50	60262572001	Solid	2						X	X	X									001
2	SB-1 (3-5)	PS	1/22/2018 14:00	60262572002	Solid	2						X	X	X									002
3	SB-2 (0-1)	PS	1/22/2018 15:20	60262572003	Solid	2						X	X	X									003
4	SB-2 (3-5)	PS	1/22/2018 15:30	60262572004	Solid	2						X	X	X									004
5	SB-3 (0-1)	PS	1/22/2018 16:50	60262572005	Solid	2						X	X	X									005
6	SB-3 (3-5)	PS	1/22/2018 17:00	60262572006	Solid	2						X	X	X									006
7	SB-2 (12-14)	PS	1/22/2018 15:50	60262572007	Solid	2						X	X	X									007
8	SB-1	PS	1/22/2018 ~~15:50~~ 1420	60262572008	Water	5						X	X	X									008
9	SB-2	PS	1/22/2018 16:20	60262572009	Water	5						X	X	X									009
10	SB-3	PS	1/22/2018 17:20	60262572010	Water	5						X	X	X									010

1420 JS 1/23/18

Transfers	Released By	Date/Time	Received By	Date/Time
1	Alex PAS	1/23/18 1800	PACE	1/24/18 0920
2				
3				

Comments

Cooler Temperature on Receipt 1.1 °C **Custody Seal** Y or N **Received on Ice** Y or N **Samples Intact** Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.*

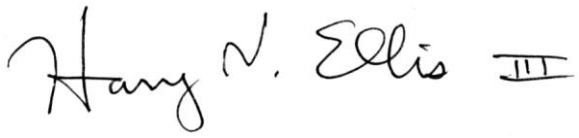
Tetra Tech, Inc.
DATA VALIDATION REPORT
LEVEL II

Site:	Mead Hansen Building Site
Laboratory:	Pace Analytical (Lenexa, Kansas)
Data Reviewer:	Harry Ellis, Tetra Tech, Inc. (Tetra Tech)
Review Date	February 26, 2018
Sample Delivery Group (SDG):	60262644
Sample Numbers:	SB-4 (0-1), SB-4 (3-5), SB-5 (0-1), SB-5 (3-5), SB-6 (0-1), SB-6 (3-5), SB-7 (0-1), SB-7 (3-5), SB-8 (0-1), SB-8 (3-5), SB-9 (0-1), SB-9 (3-5), SB-4, SB-5, SB-6, SB-7, SB-8, and SB-9
Matrix / Number of Samples:	Twelve Soil Samples, Six Groundwater Samples, and No Blank Samples

The data were qualified according to the U.S. Environmental Protection Agency (EPA) Region 7 documents entitled "Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review", dated January 2017, and "Contract Laboratory Program National Functional Guidelines for Superfund Inorganic Methods Data Review", also dated January 2017. In addition, the Tetra Tech document "Review of Data Packages from Subcontracted Laboratories" (February 2002) was used along with other criteria specified in the applicable methods.

The review was intended to identify problems and quality control (QC) deficiencies that were readily apparent from the summary data package. The following sections discuss any problems or deficiencies that were found, and data qualifications applied because of non-compliant QC. The data review was limited to the available field and laboratory QC information submitted with the project-specific data package.

I, Harry Ellis, certify that all data validation criteria outlined in the above-referenced documents were assessed, and any qualifications made to the data accorded with those documents.



26 February 2018

Certified by Harry Ellis, Chemist — Date

DATA VALIDATION QUALIFIERS

U — The analyte was not detected above the reported sample quantitation limit.

J — The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ — The analyte was not detected above the reported sample quantitation limit, which is estimated.

R — The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet QC criteria. Presence or absence of the analyte cannot be verified.

DATA ASSESSMENT

Sample delivery group (SDG) 602626442 included twelve (12) environmental soil samples, six (6) environmental groundwater samples, and no (0) quality control (QC) samples. Samples were analyzed for volatile organic compounds (VOC) by EPA SW-846 Method 8260, semivolatile organic compounds (SVOC) by EPA SW-846 Method 8270, total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO, and oil range organics (ORO) by EPA SW-846 Methods 8260 and 8270, organochlorine pesticides by EPA SW-846 Method 8081, organophosphate pesticides by EPA SW-846 Method 8141,, organochlorine herbicides by EPA SW-846 Method 8051A, total and dissolved metals by EPA SW-846 Methods 6010 and 7471 and EPA Water Methods 200.7 and 245.1, pH by EPA SW-846 Method 9045 and Standard Method 4500-H, and inorganic anions by EPA SW-846 Method 9056 and EPA Water Method 353.2. All samples did not receive all analyses. The following summarizes the data validation that was performed.

VOLATILE ORGANIC COMPOUND ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding time of 14 days from sample collection to analysis. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

No MS/MSD analyses were performed due to insufficient sample volume. No qualifications were applied for these data gaps.

III. Blanks

The laboratory (method) blanks and trip blanks yielded no detectable concentrations of analytes, so no qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Surrogates

All surrogate recoveries were within their QC limits. No qualifications were applied.

VI. Comments

Some detected concentrations were less than their reporting limits ("RL"). These low-concentration results were qualified as estimated (flagged "J").

VII. Overall Assessment of Data

Overall data quality is acceptable, with no qualifications applied. All data are usable as reported for their intended purposes.

SEMIVOLATILE ORGANIC COMPOUND ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding time of 14 days from sample collection to extraction and 40 days to analysis. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSD analyses performed on samples from other packages were not evaluated. The soil MS analysis performed on sample SB-4 (0-1) yielded a recovery below QC limits for 3,3'-dichlorobendizine, while the MSD analysis yielded a low, but acceptable recovery. The average recovery was below limits, so the nondetected result for 3,3'-dichlorobenzidine in that sample were qualified as estimated, possibly biased low, and flagged "UJ".

There was insufficient sample for aqueous MS/MSD analyses. No qualifications were applied for these data gaps.

III. Blanks

The laboratory (method) blank yielded no detectable analyte concentrations. No qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Surrogates

Almost all surrogate recoveries were within QC limits. The one exception was a slightly low recovery (44 percent, versus limits of 46 to 102 percent) for one acidic surrogate. No qualifications were applied for only one surrogate recovery outside limits..

VI. Comments

Some detected concentrations were less than their RLs. These low-concentration results were qualified as estimated (flagged "J").

VII. Overall Assessment of Data

Overall data quality is acceptable, with no significant qualifications applied. All data are usable as qualified for their intended purposes.

TOTAL PETROLEUM HYDROCARBON ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding times. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Due to insufficient sample volume, the only MS/MSD analyses were for DRO/ORO in soil. Results were fully satisfactory. No qualifications were applied for the data gaps.

III. Blanks

The soil laboratory (method) blank yielded a low concentration of ORO. Some field samples yielded much higher concentrations and were not qualified. Soil ORO results less than their reporting limits (samples SB-5 (3-5) and SB-8 (3-5)) were qualified as laboratory artifacts and flagged "U". Soil ORO results above their reporting limit but less than 10 times the blank concentration (samples SB-5 (0-1), sb-6 (3-5), and SB-7 (3-5)) were qualified as estimated, possibly biased high, and flagged "J".

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Surrogates

All QC samples and almost all field sample surrogate recoveries were within QC limits. The exception was the slightly low recovery 57 percent versus limits of 61 to 109 percent) for one surrogate in sample SB-7 (3-5). No qualifications were applied for this minor irregularity.

VI. Comments

Some detected concentrations (including all for silver) were less than their RLs. These low-concentration results were qualified as estimated (flagged "J").

VII. Overall Assessment of Data

Overall data quality is acceptable, with no major qualifications applied. All data are usable as qualified for their intended purposes.

ORGANOCHLORINE PESTICIDES ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding times. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

The MS/MSD results from a sample from another data package was not evaluated here. Most other MS/MSD results were within limits. However, the soil analyses performed on sample SB-4 (0-1) yielded endosulfan I and endosulfan sulfate recoveries ranging from 66 to 69 percent, versus limits of 70 to 130 percent. The nondetected results for endosulfan I and endosulfan sulfate in that sample were qualified as estimated and flagged "UJ".

III. Blanks

The laboratory (method) blanks yielded no detectable analytes. No qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Surrogates

Most surrogate recoveries from field samples were within QC limits. One soil sample and two laboratory QC samples (a blank and an LCS) yielded recoveries of the second surrogate ranging from 61 to 64percent, slightly below the laboratory limits for soil samples of 70 to 130 percent. These recoveries were well within the NFG limits of 30 to 150 percent recovery, so no qualifications were applied.

VI. Comments

Some detected concentrations (including all for silver) were less than their RLs. These low-concentration results were qualified as estimated (flagged "J").

VII. Overall Assessment of Data

Overall data quality is acceptable, with no significant qualifications applied. All data are usable as qualified for their intended purposes.

ORGANOPHOSPHATE PESTICIDES ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding times. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

The MS/MSD analyses performed on samples from other packages and sites were not evaluated. The MS/MSD analyses performed on these samples yielded acceptable results, so no qualifications were applied.

III. Blanks

The laboratory (method) blanks yielded no detectable analytes. No qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Surrogates

Most surrogate recoveries were within QC limits. Samples SB-5 (3-5) and SB-6 (0-1) yielded slightly high recoveries for the first (of two) surrogates. No analytes were detected in those samples so no qualifications were applied.

VI. Comments

None.

VII. Overall Assessment of Data

Overall data quality is acceptable, with no qualifications applied. All data are usable as reported for their intended purposes.

ORGANOCHLORINE HERBICIDES ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding times. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

The soil MS/MSD analyses performed on samples from other packages and sites were not evaluated. All results from those performed on these samples were acceptable so no qualifications were applied.

III. Blanks

The laboratory (method) blanks yielded no detectable analytes. No qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Surrogates

Most surrogate recoveries were within QC limits, although most soil surrogate recoveries ranged from 10 to 14 percent, at the bottom of the acceptable range of 10 to 188 percent. However, the surrogate recovery from sample SB-6 (0-1) was only 7 percent, so the nondetected results for that sample were qualified as estimated, possibly biased low, and flagged "UJ". The recoveries from the MS/MSD analyses performed on sample SB-8 (3-5) were 5 and 6 percent, respectively, although the unspiked sample recovery was 12 percent. The spiked analytes recoveries were within their acceptance ranges, although near the lower ends. Since those results were within limits, no further qualifications were applied.

VI. Comments

Few analytes were detected in these samples. .

VII. Overall Assessment of Data

Overall data quality is acceptable, with few qualifications applied. All data are usable as qualified for their intended purposes.

METALS ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding times of 28 days (for mercury) and 6 months (for all other metals) from sample collection to analysis. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSD analyses performed on samples from another data package were not evaluated. In the soil MS/MSD analyses performed on sample SB-4 (3-5), recoveries of barium, cadmium, and lead were well below the QC limits of 75 to 125 percent, indicating matrix interference. Therefore the results for barium, cadmium, and lead in that sample were qualified as estimated, possibly biased low, and flagged "J".

III. Blanks

No analytes were detected in the laboratory blanks. No qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Comments

Some detected concentrations (including all for silver) were less than their RLs. These low-concentration results were qualified as estimated (flagged "J").

VI. Overall Assessment of Data

Overall data quality is acceptable, with few qualifications applied. All data are usable as qualified for their intended purposes.

IONS ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The holding time for pH analyses is "as soon as possible", generally interpreted as within 15 minutes of sampling (for water) or of preparation (for soil). The pH analyses were performed three days after sampling, so the water results were qualified as estimated and flagged "J". All other holding time requirements were met so no further qualifications were applied.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSD analyses performed on samples from other sites were not evaluated. Those performed on these samples, and the laboratory duplicate analyses performed on these samples, yielded fully acceptable results, so no qualifications were applied.

III. Blanks

No analytes were detected in the laboratory blanks. No qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Comments

Some detected concentrations were less than their RLs. These low-concentration results were qualified as estimated (flagged "J"). All sulfate analyses and most nitrogen species analyses were performed at various dilutions to minimize matrix interference. Therefore some nondetected results are not fully comparable.

VI. Overall Assessment of Data

Overall data quality is acceptable, with no significant qualifications applied. All data are usable as qualified for their intended purposes.

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

February 12, 2018

Emily Fisher
TETRA TECH EMI
415 Oak
Kansas City, MO 64106

RE: Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Dear Emily Fisher:
Enclosed are the analytical results for sample(s) received by the laboratory on January 24, 2018. 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,

Jeffrey Shopper
jeff.shopper@pacelabs.com
1(913)563-1408
Project Manager

Enclosures

cc: John Simpson, TETRA TECH EMI

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CERTIFICATIONS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 17-016-0
Illinois Certification #: 200030
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212018-1
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407
Utah Certification #: KS00021
Kansas Field Laboratory Accreditation: # E-92587
Missouri Certification: 10070

Dallas Certification IDs:
400 West Bethany Dr Suite 190, Allen, TX 75013
EPA# TX00074
Florida Certification #: E871118
Texas Certification #: T104704232
Kansas Certification #: E-10388
Arkansas Certification #: 88-0647
Oklahoma Certification #: 8727
Louisiana Certification #: 30686
Iowa Certification #: 408
Florida Certification #: E871118
Nevada Certification #: TX00074

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SAMPLE SUMMARY

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60262644001	**SB-4 (0-1)**	Solid	01/23/18 08:50	01/24/18 13:05
60262644002	**SB-4 (3-5)**	Solid	01/23/18 09:00	01/24/18 13:05
60262644003	**SB-5 (0-1)**	Solid	01/23/18 10:20	01/24/18 13:05
60262644004	**SB-5 (3-5)**	Solid	01/23/18 10:30	01/24/18 13:05
60262644005	**SB-6 (0-1)**	Solid	01/23/18 12:30	01/24/18 13:05
60262644006	**SB-6 (3-5)**	Solid	01/23/18 12:40	01/24/18 13:05
60262644007	**SB-7 (0-1)**	Solid	01/23/18 13:40	01/24/18 13:05
60262644008	**SB-7 (3-5)**	Solid	01/23/18 13:50	01/24/18 13:05
60262644009	**SB-8 (0-1)**	Solid	01/23/18 15:00	01/24/18 13:05
60262644010	**SB-8 (3-5)**	Solid	01/23/18 15:10	01/24/18 13:05
60262644011	**SB-9 (0-3)**	Solid	01/23/18 16:00	01/24/18 13:05
60262644012	**SB-9 (3-5)**	Solid	01/23/18 16:15	01/24/18 13:05
60262644013	**SB-4**	Water	01/23/18 09:50	01/24/18 13:05
60262644014	**SB-5**	Water	01/23/18 10:50	01/24/18 13:05
60262644015	**SB-6**	Water	01/23/18 13:00	01/24/18 13:05
60262644016	**SB-7**	Water	01/23/18 14:00	01/24/18 13:05
60262644017	**SB-8**	Water	01/23/18 15:30	01/24/18 13:05
60262644018	**SB-9**	Water	01/23/18 16:30	01/24/18 13:05

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SAMPLE ANALYTE COUNT

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60262644001	**SB-4 (0-1)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262644002	**SB-4 (3-5)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262644003	**SB-5 (0-1)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262644004	**SB-5 (3-5)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262644005	**SB-6 (0-1)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262644006	**SB-6 (3-5)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K

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SAMPLE ANALYTE COUNT

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262644007	**SB-7 (0-1)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262644008	**SB-7 (3-5)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262644009	**SB-8 (0-1)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K

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SAMPLE ANALYTE COUNT

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262644010	**SB-8 (3-5)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262644011	**SB-9 (0-3)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262644012	**SB-9 (3-5)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 7471	JRS	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262644013	**SB-4**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 6010	JGP	7	PASI-K
		EPA 7470	JRS	1	PASI-K
		EPA 7470	SMW	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5030B/8260	PGH	69	PASI-K
		EPA 8260	JTK	4	PASI-K
		SM 4500-H+B	MJK	1	PASI-K
		EPA 353.2	RAD	1	PASI-K
		EPA 9056	LDB	1	PASI-K
60262644014	**SB-5**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 6010	JGP	7	PASI-K
		EPA 7470	JRS	1	PASI-K
		EPA 7470	SMW	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5030B/8260	PGH	69	PASI-K
		EPA 8260	JTK	4	PASI-K
		SM 4500-H+B	MJK	1	PASI-K
		EPA 353.2	RAD	1	PASI-K
		EPA 9056	LDB	1	PASI-K
60262644015	**SB-6**	EPA 8081	MS1	24	PASI-D

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SAMPLE ANALYTE COUNT

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 6010	JGP	7	PASI-K
		EPA 7470	JRS	1	PASI-K
		EPA 7470	SMW	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5030B/8260	PGH	69	PASI-K
		EPA 8260	JTK	4	PASI-K
		SM 4500-H+B	MJK	1	PASI-K
		EPA 353.2	RAD	1	PASI-K
		EPA 9056	LDB	1	PASI-K
60262644016	**SB-7**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 6010	JGP	7	PASI-K
		EPA 7470	JRS	1	PASI-K
		EPA 7470	SMW	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5030B/8260	PGH	69	PASI-K
		EPA 8260	JTK	4	PASI-K
		SM 4500-H+B	MJK	1	PASI-K
		EPA 353.2	RAD	1	PASI-K
		EPA 9056	OL	1	PASI-K
60262644017	**SB-8**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 6010	JGP	7	PASI-K
		EPA 7470	JRS	1	PASI-K
		EPA 7470	SMW	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5030B/8260	PGH	69	PASI-K

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SAMPLE ANALYTE COUNT

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	JTK	4	PASI-K
		SM 4500-H+B	MJK	1	PASI-K
		EPA 353.2	RAD	1	PASI-K
		EPA 9056	OL	1	PASI-K
60262644018	**SB-9**	EPA 8081	BMA	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 6010	JGP	7	PASI-K
		EPA 7470	JRS	1	PASI-K
		EPA 7470	SMW	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5030B/8260	PGH	69	PASI-K
		EPA 8260	JTK	4	PASI-K
		SM 4500-H+B	MJK	1	PASI-K
		EPA 353.2	RAD	1	PASI-K
		EPA 9056	LDB	1	PASI-K

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8081**
Description: 8081 GCS Pesticides
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
18 samples were analyzed for EPA 8081. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 91324

S0: Surrogate recovery outside laboratory control limits.

- BLANK (Lab ID: 404871)
  - Decachlorobiphenyl (S)
- LCS (Lab ID: 404872)
  - Decachlorobiphenyl (S)
- SB-4 (0-1) (Lab ID: 60262644001)
  - Decachlorobiphenyl (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 91324

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262644001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 404873)
  - Endosulfan I
  - Endosulfan sulfate

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8081**
Description: 8081 GCS Pesticides
Client: TETRA TECH EMI
Date: February 12, 2018

QC Batch: 91324

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262644001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 404874)
  - Endosulfan I
  - Endosulfan sulfate

QC Batch: 91580

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262738001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 405975)
  - Dieldrin
  - Endosulfan I
  - Endosulfan sulfate
  - Endrin ketone
- MSD (Lab ID: 405976)
  - Endosulfan I
  - Endosulfan sulfate
  - Endrin ketone

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8141A**
Description: 8141 O/P Pesticides Microwave
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
12 samples were analyzed for EPA 8141A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 91325

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

- SB-5 (3-5) (Lab ID: 60262644004)
  - Tributylphosphate (S)
- SB-6 (0-1) (Lab ID: 60262644005)
  - Tributylphosphate (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 91325

N2: The lab does not hold NELAC/TNI accreditation for this parameter.

- BLANK (Lab ID: 404876)
  - Total Demeton
  - Total Merphos

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8141A**
Description: 8141 O/P Pesticides Microwave
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 91325

N2: The lab does not hold NELAC/TNI accreditation for this parameter.

- LCS (Lab ID: 404877)
  - Total Demeton
  - Total Merphos
- MS (Lab ID: 404878)
  - Total Demeton
  - Total Merphos
- MSD (Lab ID: 404879)
  - Total Demeton
  - Total Merphos
- SB-4 (0-1) (Lab ID: 60262644001)
  - Total Demeton
  - Total Merphos
- SB-4 (3-5) (Lab ID: 60262644002)
  - Total Demeton
  - Total Merphos
- SB-5 (0-1) (Lab ID: 60262644003)
  - Total Demeton
  - Total Merphos
- SB-5 (3-5) (Lab ID: 60262644004)
  - Total Demeton
  - Total Merphos
- SB-6 (0-1) (Lab ID: 60262644005)
  - Total Demeton
  - Total Merphos
- SB-6 (3-5) (Lab ID: 60262644006)
  - Total Demeton
  - Total Merphos
- SB-7 (0-1) (Lab ID: 60262644007)
  - Total Demeton
  - Total Merphos
- SB-7 (3-5) (Lab ID: 60262644008)
  - Total Demeton
  - Total Merphos
- SB-8 (0-1) (Lab ID: 60262644009)
  - Total Demeton
  - Total Merphos
- SB-8 (3-5) (Lab ID: 60262644010)
  - Total Demeton
  - Total Merphos

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8141A**
Description: 8141 O/P Pesticides Microwave
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 91581

N2: The lab does not hold NELAC/TNI accreditation for this parameter.

- BLANK (Lab ID: 405989)
  - Total Demeton
  - Total Merphos
- LCS (Lab ID: 405990)
  - Total Demeton
  - Total Merphos
- MS (Lab ID: 405991)
  - Total Demeton
  - Total Merphos
- MSD (Lab ID: 405992)
  - Total Demeton
  - Total Merphos
- SB-9 (0-3) (Lab ID: 60262644011)
  - Total Demeton
  - Total Merphos
- SB-9 (3-5) (Lab ID: 60262644012)
  - Total Demeton
  - Total Merphos

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8141A**
Description: 8141 GCS, O/P Pesticides
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
6 samples were analyzed for EPA 8141A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 91347

S1: Surrogate recovery outside laboratory control limits (confirmed by re-analysis).
- LCS (Lab ID: 404970)
  - Tributylphosphate (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 91347

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262572009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- MS (Lab ID: 404971)
  - Trichloronate

M3: Matrix spike recovery was outside laboratory control limits due to matrix interferences.
- MS (Lab ID: 404971)
  - Parathion (Ethyl parathion)

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8151**
Description: 8151 Chlorinated Herbicides
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
18 samples were analyzed for EPA 8151. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 8151 with any exceptions noted below.

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

QC Batch: 91432

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- SB-4 (3-5) (Lab ID: 60262644002)
  - Dinoseb
- SB-5 (0-1) (Lab ID: 60262644003)
  - Dinoseb
- SB-5 (3-5) (Lab ID: 60262644004)
  - Dinoseb
- SB-6 (0-1) (Lab ID: 60262644005)
  - Dinoseb
- SB-6 (3-5) (Lab ID: 60262644006)
  - Dinoseb
- SB-7 (3-5) (Lab ID: 60262644008)
  - Dinoseb
- SB-8 (0-1) (Lab ID: 60262644009)
  - Dinoseb

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 91432

S1: Surrogate recovery outside laboratory control limits (confirmed by re-analysis).

- SB-6 (0-1) (Lab ID: 60262644005)
  - 2,4-DCAA (S)
- SB-7 (3-5) (Lab ID: 60262644008)
  - 2,4-DCAA (S)

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8151**
Description: 8151 Chlorinated Herbicides
Client: TETRA TECH EMI
Date: February 12, 2018

QC Batch: 91433

S0: Surrogate recovery outside laboratory control limits.

- MS (Lab ID: 405368)
  - 2,4-DCAA (S)
- MSD (Lab ID: 405369)
  - 2,4-DCAA (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 91432

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262572001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 405364)
  - Dalapon

R1: RPD value was outside control limits.

- MSD (Lab ID: 405365)
  - 2,4,5-T
  - 2,4-D
  - Dalapon
  - Dicamba
  - Dinoseb
  - MCPP

QC Batch: 91466

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262572010

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 405534)
  - 2,4-D
  - Dichloroprop

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 6010**
Description: 6010 MET ICP Red. Interference
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
12 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 512324

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262644002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2097589)
  - Barium
  - Cadmium
  - Lead
- MSD (Lab ID: 2097590)
  - Barium
  - Cadmium
  - Lead

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 6010**
Description: 6010 MET ICP
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
6 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 6010**
Description: 6010 MET ICP, Dissolved (LF)
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
6 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 7470**
Description: 7470 Mercury
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
6 samples were analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 7470**
Description: 7470 Mercury, Dissolved (LF)
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
6 samples were analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 7471**
Description: 7471 Mercury
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
12 samples were analyzed for EPA 7471. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 511728

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262572001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2095317)
  - Mercury
- MSD (Lab ID: 2095318)
  - Mercury

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8270**
Description: 8270 MSSV Semivolatiles
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
12 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 512424

S0: Surrogate recovery outside laboratory control limits.
- SB-7 (0-1) (Lab ID: 60262644007)
  - 2-Fluorophenol (S)

S2: Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).
- MS (Lab ID: 2097906)
  - 2-Fluorobiphenyl (S)
- MSD (Lab ID: 2097907)
  - 2-Fluorobiphenyl (S)
  - 2-Fluorophenol (S)
  - Nitrobenzene-d5 (S)
  - Phenol-d6 (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8270**
Description: 8270 MSSV Semivolatiles
Client: TETRA TECH EMI
Date: February 12, 2018

QC Batch: 511743

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262644001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2095381)
  - 3,3'-Dichlorobenzidine

QC Batch: 512424

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262831016

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2097906)
  - 1,3-Dichlorobenzene
  - 1,4-Dichlorobenzene
  - 2,4-Dichlorophenol
  - 2,4-Dinitrophenol
  - 3,3'-Dichlorobenzidine
  - 4,6-Dinitro-2-methylphenol
  - 4-Chloro-3-methylphenol
  - Benzyl alcohol
  - Hexachlorocyclopentadiene
  - Isophorone
  - bis(2-Chloroethoxy)methane
- MSD (Lab ID: 2097907)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dichlorobenzene
  - 1,3-Dichlorobenzene
  - 1,4-Dichlorobenzene
  - 2,4,5-Trichlorophenol
  - 2,4,6-Trichlorophenol
  - 2,4-Dichlorophenol
  - 2,4-Dinitrophenol
  - 2-Chloronaphthalene
  - 2-Chlorophenol
  - 2-Methylnaphthalene
  - 3,3'-Dichlorobenzidine
  - 4,6-Dinitro-2-methylphenol
  - 4-Bromophenylphenyl ether
  - 4-Chloro-3-methylphenol
  - 4-Chlorophenylphenyl ether
  - Acenaphthene
  - Acenaphthylene
  - Benzyl alcohol
  - Carbazole
  - Dibenzofuran
  - Diethylphthalate
  - Dimethylphthalate
  - Hexachloro-1,3-butadiene

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8270**
Description: 8270 MSSV Semivolatiles
Client: TETRA TECH EMI
Date: February 12, 2018

QC Batch: 512424

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262831016

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- Hexachlorobenzene
- Hexachlorocyclopentadiene
- Hexachloroethane
- Isophorone
- N-Nitroso-di-n-propylamine
- Naphthalene
- Nitrobenzene
- Phenanthrene
- Phenol
- bis(2-Chloroethoxy)methane
- bis(2-Chloroethyl) ether
- bis(2-Chloroisopropyl) ether

Additional Comments:

Analyte Comments:

QC Batch: 512424

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- MS (Lab ID: 2097906)
  - Nitrobenzene-d5 (S)
- MSD (Lab ID: 2097907)
  - Nitrobenzene-d5 (S)

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
6 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 511741

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Analyte Comments:

QC Batch: 511741

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-4 (Lab ID: 60262644013)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dichlorobenzene
  - 1,3-Dichlorobenzene
  - 1,4-Dichlorobenzene

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 511741

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-4 (Lab ID: 60262644013)
  - 2,4,6-Trichlorophenol
  - 2,4-Dichlorophenol
  - 2,4-Dimethylphenol
  - 2,4-Dinitrophenol
  - 2,4-Dinitrotoluene
  - 2,4,5-Trichlorophenol
  - 2,6-Dinitrotoluene
  - 2-Chloronaphthalene
  - 2-Chlorophenol
  - 2-Methylphenol(o-Cresol)
  - 2-Methylnaphthalene
  - 2-Nitroaniline
  - 2-Nitrophenol
  - 3,3'-Dichlorobenzidine
  - 3&4-Methylphenol(m&p Cresol)
  - 3-Nitroaniline
  - 4,6-Dinitro-2-methylphenol
  - 4-Bromophenylphenyl ether
  - 4-Chloro-3-methylphenol
  - 4-Chloroaniline
  - 4-Chlorophenylphenyl ether
  - 4-Nitroaniline
  - 4-Nitrophenol
  - Acenaphthene
  - Acenaphthylene
  - Anthracene
  - Butylbenzylphthalate
  - Benzoic acid
  - Benzyl alcohol
  - Benzo(k)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(a)anthracene
  - Benzo(b)fluoranthene
  - Benzo(a)pyrene
  - bis(2-Chloroethoxy)methane
  - bis(2-Chloroethyl) ether
  - bis(2-Chloroisopropyl) ether
  - bis(2-Ethylhexyl)phthalate
  - Carbazole
  - Chrysene
  - Dibenz(a,h)anthracene
  - Dibenzofuran

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 511741

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-4 (Lab ID: 60262644013)
  - Dimethylphthalate
  - Di-n-butylphthalate
  - Di-n-octylphthalate
  - Diethylphthalate
  - Fluorene
  - Fluoranthene
  - Hexachloro-1,3-butadiene
  - Hexachlorobenzene
  - Hexachlorocyclopentadiene
  - Hexachloroethane
  - Indeno(1,2,3-cd)pyrene
  - Isophorone
  - Naphthalene
  - N-Nitroso-di-n-propylamine
  - Nitrobenzene
  - N-Nitrosodiphenylamine
  - Phenol
  - Phenanthrene
  - Pentachlorophenol
  - Pyrene
  - Pyridine
- SB-5 (Lab ID: 60262644014)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dichlorobenzene
  - 1,3-Dichlorobenzene
  - 1,4-Dichlorobenzene
  - 2,4,6-Trichlorophenol
  - 2,4-Dichlorophenol
  - 2,4-Dimethylphenol
  - 2,4-Dinitrophenol
  - 2,4-Dinitrotoluene
  - 2,4,5-Trichlorophenol
  - 2,6-Dinitrotoluene
  - 2-Chloronaphthalene
  - 2-Chlorophenol
  - 2-Methylphenol(o-Cresol)
  - 2-Methylnaphthalene
  - 2-Nitroaniline
  - 2-Nitrophenol
  - 3,3'-Dichlorobenzidine
  - 3&4-Methylphenol(m&p Cresol)
  - 3-Nitroaniline

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 511741

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-5 (Lab ID: 60262644014)
  - 4,6-Dinitro-2-methylphenol
  - 4-Bromophenylphenyl ether
  - 4-Chloro-3-methylphenol
  - 4-Chloroaniline
  - 4-Chlorophenylphenyl ether
  - 4-Nitroaniline
  - 4-Nitrophenol
  - Acenaphthene
  - Acenaphthylene
  - Anthracene
  - Butylbenzylphthalate
  - Benzoic acid
  - Benzyl alcohol
  - Benzo(k)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(a)anthracene
  - Benzo(b)fluoranthene
  - Benzo(a)pyrene
  - bis(2-Chloroethoxy)methane
  - bis(2-Chloroethyl) ether
  - bis(2-Chloroisopropyl) ether
  - bis(2-Ethylhexyl)phthalate
  - Carbazole
  - Chrysene
  - Dibenz(a,h)anthracene
  - Dibenzofuran
  - Dimethylphthalate
  - Di-n-butylphthalate
  - Di-n-octylphthalate
  - Diethylphthalate
  - Fluorene
  - Fluoranthene
  - Hexachloro-1,3-butadiene
  - Hexachlorobenzene
  - Hexachlorocyclopentadiene
  - Hexachloroethane
  - Indeno(1,2,3-cd)pyrene
  - Isophorone
  - Naphthalene
  - N-Nitroso-di-n-propylamine
  - Nitrobenzene
  - N-Nitrosodiphenylamine

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 511741

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-5 (Lab ID: 60262644014)
  - Phenol
  - Phenanthrene
  - Pentachlorophenol
  - Pyrene
  - Pyridine
- SB-6 (Lab ID: 60262644015)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dichlorobenzene
  - 1,3-Dichlorobenzene
  - 1,4-Dichlorobenzene
  - 2,4,6-Trichlorophenol
  - 2,4-Dichlorophenol
  - 2,4-Dimethylphenol
  - 2,4-Dinitrophenol
  - 2,4-Dinitrotoluene
  - 2,4,5-Trichlorophenol
  - 2,6-Dinitrotoluene
  - 2-Chloronaphthalene
  - 2-Chlorophenol
  - 2-Methylphenol(o-Cresol)
  - 2-Methylnaphthalene
  - 2-Nitroaniline
  - 2-Nitrophenol
  - 3,3'-Dichlorobenzidine
  - 3&4-Methylphenol(m&p Cresol)
  - 3-Nitroaniline
  - 4,6-Dinitro-2-methylphenol
  - 4-Bromophenylphenyl ether
  - 4-Chloro-3-methylphenol
  - 4-Chloroaniline
  - 4-Chlorophenylphenyl ether
  - 4-Nitroaniline
  - 4-Nitrophenol
  - Acenaphthene
  - Acenaphthylene
  - Anthracene
  - Butylbenzylphthalate
  - Benzoic acid
  - Benzyl alcohol
  - Benzo(k)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(a)anthracene

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 511741

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-6 (Lab ID: 60262644015)
  - Benzo(b)fluoranthene
  - Benzo(a)pyrene
  - bis(2-Chloroethoxy)methane
  - bis(2-Chloroethyl) ether
  - bis(2-Chloroisopropyl) ether
  - bis(2-Ethylhexyl)phthalate
  - Carbazole
  - Chrysene
  - Dibenz(a,h)anthracene
  - Dibenzofuran
  - Dimethylphthalate
  - Di-n-butylphthalate
  - Di-n-octylphthalate
  - Diethylphthalate
  - Fluorene
  - Fluoranthene
  - Hexachloro-1,3-butadiene
  - Hexachlorobenzene
  - Hexachlorocyclopentadiene
  - Hexachloroethane
  - Indeno(1,2,3-cd)pyrene
  - Isophorone
  - Naphthalene
  - N-Nitroso-di-n-propylamine
  - Nitrobenzene
  - N-Nitrosodiphenylamine
  - Phenol
  - Phenanthrene
  - Pentachlorophenol
  - Pyrene
  - Pyridine
- SB-7 (Lab ID: 60262644016)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dichlorobenzene
  - 1,3-Dichlorobenzene
  - 1,4-Dichlorobenzene
  - 2,4,6-Trichlorophenol
  - 2,4-Dichlorophenol
  - 2,4-Dimethylphenol
  - 2,4-Dinitrophenol
  - 2,4-Dinitrotoluene
  - 2,4,5-Trichlorophenol

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 511741

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-7 (Lab ID: 60262644016)
  - 2,6-Dinitrotoluene
  - 2-Chloronaphthalene
  - 2-Chlorophenol
  - 2-Methylphenol(o-Cresol)
  - 2-Methylnaphthalene
  - 2-Nitroaniline
  - 2-Nitrophenol
  - 3,3'-Dichlorobenzidine
  - 3&4-Methylphenol(m&p Cresol)
  - 3-Nitroaniline
  - 4,6-Dinitro-2-methylphenol
  - 4-Bromophenylphenyl ether
  - 4-Chloro-3-methylphenol
  - 4-Chloroaniline
  - 4-Chlorophenylphenyl ether
  - 4-Nitroaniline
  - 4-Nitrophenol
  - Acenaphthene
  - Acenaphthylene
  - Anthracene
  - Butylbenzylphthalate
  - Benzoic acid
  - Benzyl alcohol
  - Benzo(k)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(a)anthracene
  - Benzo(b)fluoranthene
  - Benzo(a)pyrene
  - bis(2-Chloroethoxy)methane
  - bis(2-Chloroethyl) ether
  - bis(2-Chloroisopropyl) ether
  - bis(2-Ethylhexyl)phthalate
  - Carbazole
  - Chrysene
  - Dibenz(a,h)anthracene
  - Dibenzofuran
  - Dimethylphthalate
  - Di-n-butylphthalate
  - Di-n-octylphthalate
  - Diethylphthalate
  - Fluorene
  - Fluoranthene

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 511741

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-7 (Lab ID: 60262644016)
  - Hexachloro-1,3-butadiene
  - Hexachlorobenzene
  - Hexachlorocyclopentadiene
  - Hexachloroethane
  - Indeno(1,2,3-cd)pyrene
  - Isophorone
  - Naphthalene
  - N-Nitroso-di-n-propylamine
  - Nitrobenzene
  - N-Nitrosodiphenylamine
  - Phenol
  - Phenanthrene
  - Pentachlorophenol
  - Pyrene
  - Pyridine
- SB-8 (Lab ID: 60262644017)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dichlorobenzene
  - 1,3-Dichlorobenzene
  - 1,4-Dichlorobenzene
  - 2,4,6-Trichlorophenol
  - 2,4-Dichlorophenol
  - 2,4-Dimethylphenol
  - 2,4-Dinitrophenol
  - 2,4-Dinitrotoluene
  - 2,4,5-Trichlorophenol
  - 2,6-Dinitrotoluene
  - 2-Chloronaphthalene
  - 2-Chlorophenol
  - 2-Methylphenol(o-Cresol)
  - 2-Methylnaphthalene
  - 2-Nitroaniline
  - 2-Nitrophenol
  - 3,3'-Dichlorobenzidine
  - 3&4-Methylphenol(m&p Cresol)
  - 3-Nitroaniline
  - 4,6-Dinitro-2-methylphenol
  - 4-Bromophenylphenyl ether
  - 4-Chloro-3-methylphenol
  - 4-Chloroaniline
  - 4-Chlorophenylphenyl ether
  - 4-Nitroaniline

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 511741

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-8 (Lab ID: 60262644017)
  - 4-Nitrophenol
  - Acenaphthene
  - Acenaphthylene
  - Anthracene
  - Butylbenzylphthalate
  - Benzoic acid
  - Benzyl alcohol
  - Benzo(k)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(a)anthracene
  - Benzo(b)fluoranthene
  - Benzo(a)pyrene
  - bis(2-Chloroethoxy)methane
  - bis(2-Chloroethyl) ether
  - bis(2-Chloroisopropyl) ether
  - bis(2-Ethylhexyl)phthalate
  - Carbazole
  - Chrysene
  - Dibenz(a,h)anthracene
  - Dibenzofuran
  - Dimethylphthalate
  - Di-n-butylphthalate
  - Di-n-octylphthalate
  - Diethylphthalate
  - Fluorene
  - Fluoranthene
  - Hexachloro-1,3-butadiene
  - Hexachlorobenzene
  - Hexachlorocyclopentadiene
  - Hexachloroethane
  - Indeno(1,2,3-cd)pyrene
  - Isophorone
  - Naphthalene
  - N-Nitroso-di-n-propylamine
  - Nitrobenzene
  - N-Nitrosodiphenylamine
  - Phenol
  - Phenanthrene
  - Pentachlorophenol
  - Pyrene
  - Pyridine

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 511741

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-9 (Lab ID: 60262644018)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dichlorobenzene
  - 1,3-Dichlorobenzene
  - 1,4-Dichlorobenzene
  - 2,4,6-Trichlorophenol
  - 2,4-Dichlorophenol
  - 2,4-Dimethylphenol
  - 2,4-Dinitrophenol
  - 2,4-Dinitrotoluene
  - 2,4,5-Trichlorophenol
  - 2,6-Dinitrotoluene
  - 2-Chloronaphthalene
  - 2-Chlorophenol
  - 2-Methylphenol(o-Cresol)
  - 2-Methylnaphthalene
  - 2-Nitroaniline
  - 2-Nitrophenol
  - 3,3'-Dichlorobenzidine
  - 3&4-Methylphenol(m&p Cresol)
  - 3-Nitroaniline
  - 4,6-Dinitro-2-methylphenol
  - 4-Bromophenylphenyl ether
  - 4-Chloro-3-methylphenol
  - 4-Chloroaniline
  - 4-Chlorophenylphenyl ether
  - 4-Nitroaniline
  - 4-Nitrophenol
  - Acenaphthene
  - Acenaphthylene
  - Anthracene
  - Butylbenzylphthalate
  - Benzoic acid
  - Benzyl alcohol
  - Benzo(k)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(a)anthracene
  - Benzo(b)fluoranthene
  - Benzo(a)pyrene
  - bis(2-Chloroethoxy)methane
  - bis(2-Chloroethyl) ether
  - bis(2-Chloroisopropyl) ether
  - bis(2-Ethylhexyl)phthalate

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 511741

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-9 (Lab ID: 60262644018)
  - Carbazole
  - Chrysene
  - Dibenz(a,h)anthracene
  - Dibenzofuran
  - Dimethylphthalate
  - Di-n-butylphthalate
  - Di-n-octylphthalate
  - Diethylphthalate
  - Fluorene
  - Fluoranthene
  - Hexachloro-1,3-butadiene
  - Hexachlorobenzene
  - Hexachlorocyclopentadiene
  - Hexachloroethane
  - Indeno(1,2,3-cd)pyrene
  - Isophorone
  - Naphthalene
  - N-Nitroso-di-n-propylamine
  - Nitrobenzene
  - N-Nitrosodiphenylamine
  - Phenol
  - Phenanthrene
  - Pentachlorophenol
  - Pyrene
  - Pyridine

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8270**
Description: 8270 MSSV DRO/ORO
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
18 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 511744

S0: Surrogate recovery outside laboratory control limits.

- SB-7 (3-5) (Lab ID: 60262644008)
  - 2-Fluorobiphenyl (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 511744

B: Analyte was detected in the associated method blank.

- BLANK for HBN 511744 [OEXT/630 (Lab ID: 2095388)
  - TPH-ORO

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 511740

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8270**
Description: 8270 MSSV DRO/ORO
Client: TETRA TECH EMI
Date: February 12, 2018

Additional Comments:

Analyte Comments:

QC Batch: 511740

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-4 (Lab ID: 60262644013)
  - TPH-DRO
  - TPH-ORO
- SB-5 (Lab ID: 60262644014)
  - TPH-DRO
  - TPH-ORO
- SB-6 (Lab ID: 60262644015)
  - TPH-DRO
  - TPH-ORO
- SB-7 (Lab ID: 60262644016)
  - TPH-DRO
  - TPH-ORO
- SB-8 (Lab ID: 60262644017)
  - TPH-DRO
  - TPH-ORO
- SB-9 (Lab ID: 60262644018)
  - TPH-DRO
  - TPH-ORO

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 5035A/8260**
Description: 8260 MSV GRO and Oxygenates
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
12 samples were analyzed for EPA 5035A/8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 511774

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 5030B/8260**
Description: 8260 MSV
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
6 samples were analyzed for EPA 5030B/8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 511785

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8260**
Description: 8260 MSV GRO and Oxygenates
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
6 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 511875

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

QC Batch: 512008

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 8260**
Description: 8260 MSV 5035A VOA
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
12 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 511857

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 2095755)
  - trans-1,2-Dichloroethene

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 511857

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **SM 4500-H+B**
Description: 4500H+ pH, Electrometric
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
6 samples were analyzed for SM 4500-H+B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

H6: Analysis initiated outside of the 15 minute EPA required holding time.
- SB-4 (Lab ID: 60262644013)
- SB-5 (Lab ID: 60262644014)
- SB-6 (Lab ID: 60262644015)
- SB-7 (Lab ID: 60262644016)
- SB-8 (Lab ID: 60262644017)
- SB-9 (Lab ID: 60262644018)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 9045**
Description: 9045 pH Soil
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
12 samples were analyzed for EPA 9045. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 353.2**
Description: 353.2 Nitrogen, NO2/NO3 pres.
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
6 samples were analyzed for EPA 353.2. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 511806

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262597001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2095588)
  - Nitrogen, NO2 plus NO3

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Method: **EPA 9056**
Description: 9056 IC Anions
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
18 samples were analyzed for EPA 9056. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 9056 with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-4 (0-1) **Lab ID: 60262644001** Collected: 01/23/18 08:50 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.44**	ug/kg	1.3	0.44	1	01/29/18 08:55	01/29/18 12:54	309-00-2	
alpha-BHC	**<0.20**	ug/kg	1.3	0.20	1	01/29/18 08:55	01/29/18 12:54	319-84-6	
beta-BHC	**<0.66**	ug/kg	2.1	0.66	1	01/29/18 08:55	01/29/18 12:54	319-85-7	
delta-BHC	**<0.60**	ug/kg	1.8	0.60	1	01/29/18 08:55	01/29/18 12:54	319-86-8	
gamma-BHC (Lindane)	**<0.56**	ug/kg	1.8	0.56	1	01/29/18 08:55	01/29/18 12:54	58-89-9	
Chlordane (Technical)	**<35.2**	ug/kg	188	35.2	1	01/29/18 08:55	01/29/18 12:54	57-74-9	
alpha-Chlordane	**<0.50**	ug/kg	2.1	0.50	1	01/29/18 08:55	01/29/18 12:54	5103-71-9	
gamma-Chlordane	**<0.83**	ug/kg	2.1	0.83	1	01/29/18 08:55	01/29/18 12:54	5103-74-2	
4,4'-DDD	**<0.41**	ug/kg	1.3	0.41	1	01/29/18 08:55	01/29/18 12:54	72-54-8	
4,4'-DDE	**0.93J**	ug/kg	1.3	0.39	1	01/29/18 08:55	01/29/18 12:54	72-55-9	
4,4'-DDT	**<0.81**	ug/kg	1.8	0.81	1	01/29/18 08:55	01/29/18 12:54	50-29-3	
Dieldrin	**<0.54**	ug/kg	1.8	0.54	1	01/29/18 08:55	01/29/18 12:54	60-57-1	
Endosulfan I	**<0.58**	ug/kg	1.8	0.58	1	01/29/18 08:55	01/29/18 12:54	959-98-8	M1
Endosulfan II	**<0.40**	ug/kg	1.3	0.40	1	01/29/18 08:55	01/29/18 12:54	33213-65-9	
Endosulfan sulfate	**<0.58**	ug/kg	1.8	0.58	1	01/29/18 08:55	01/29/18 12:54	1031-07-8	M1
Endrin	**<0.58**	ug/kg	2.1	0.58	1	01/29/18 08:55	01/29/18 12:54	72-20-8	
Endrin aldehyde	**<0.58**	ug/kg	1.8	0.58	1	01/29/18 08:55	01/29/18 12:54	7421-93-4	
Endrin ketone	**<0.69**	ug/kg	2.5	0.69	1	01/29/18 08:55	01/29/18 12:54	53494-70-5	
Heptachlor	**<0.95**	ug/kg	2.5	0.95	1	01/29/18 08:55	01/29/18 12:54	76-44-8	
Heptachlor epoxide	**<2.5**	ug/kg	6.3	2.5	1	01/29/18 08:55	01/29/18 12:54	1024-57-3	
Methoxychlor	**<0.72**	ug/kg	2.5	0.72	1	01/29/18 08:55	01/29/18 12:54	72-43-5	
Toxaphene	**<64.8**	ug/kg	188	64.8	1	01/29/18 08:55	01/29/18 12:54	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	85	%.	70-130		1	01/29/18 08:55	01/29/18 12:54	877-09-8	
Decachlorobiphenyl (S)	64	%.	70-130		1	01/29/18 08:55	01/29/18 12:54	2051-24-3	S0
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<4.2**	ug/kg	8.3	4.2	1	01/29/18 08:55	02/01/18 22:28	22248-79-9	
Azinphos, methyl (Guthion)	**<4.2**	ug/kg	8.3	4.2	1	01/29/18 08:55	02/01/18 22:28	86-50-0	
Bolstar	**<4.2**	ug/kg	8.3	4.2	1	01/29/18 08:55	02/01/18 22:28	35400-43-2	
Chlorpyrifos	**<4.2**	ug/kg	8.3	4.2	1	01/29/18 08:55	02/01/18 22:28	2921-88-2	
Coumaphos	**<4.2**	ug/kg	8.3	4.2	1	01/29/18 08:55	02/01/18 22:28	56-72-4	
Diazinon	**<4.2**	ug/kg	8.3	4.2	1	01/29/18 08:55	02/01/18 22:28	333-41-5	
Dichlorvos	**<2.1**	ug/kg	4.2	2.1	1	01/29/18 08:55	02/01/18 22:28	62-73-7	
Dimethoate	**<4.2**	ug/kg	8.3	4.2	1	01/29/18 08:55	02/01/18 22:28	60-51-5	
Disulfoton	**<2.1**	ug/kg	4.2	2.1	1	01/29/18 08:55	02/01/18 22:28	298-04-4	
EPN (ENT)	**<2.7**	ug/kg	4.2	2.7	1	01/29/18 08:55	02/01/18 22:28	2104-64-5	
Ethoprop	**<2.1**	ug/kg	4.2	2.1	1	01/29/18 08:55	02/01/18 22:28	13194-48-4	
Fensulfothion	**<4.2**	ug/kg	8.3	4.2	1	01/29/18 08:55	02/01/18 22:28	115-90-2	
Fenthion	**<2.1**	ug/kg	4.2	2.1	1	01/29/18 08:55	02/01/18 22:28	55-38-9	
Malathion	**<4.2**	ug/kg	8.3	4.2	1	01/29/18 08:55	02/01/18 22:28	121-75-5	
Methyl parathion	**<2.1**	ug/kg	4.2	2.1	1	01/29/18 08:55	02/01/18 22:28	298-00-0	
Mevinphos	**<2.5**	ug/kg	4.2	2.5	1	01/29/18 08:55	02/01/18 22:28	7786-34-7	
Parathion (Ethyl parathion)	**<4.2**	ug/kg	8.3	4.2	1	01/29/18 08:55	02/01/18 22:28	56-38-2	
Phorate	**<2.1**	ug/kg	4.2	2.1	1	01/29/18 08:55	02/01/18 22:28	298-02-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-4 (0-1) **Lab ID: 60262644001** Collected: 01/23/18 08:50 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<2.1**	ug/kg	4.2	2.1	1	01/29/18 08:55	02/01/18 22:28	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<2.1**	ug/kg	4.2	2.1	1	01/29/18 08:55	02/01/18 22:28	3689-24-5	
Tokuthion (Prothiofos)	**<2.1**	ug/kg	4.2	2.1	1	01/29/18 08:55	02/01/18 22:28	34643-46-4	
Trichloronate	**<4.2**	ug/kg	8.3	4.2	1	01/29/18 08:55	02/01/18 22:28	327-98-0	
Total Demeton	**<3.4**	ug/kg	4.2	3.4	1	01/29/18 08:55	02/01/18 22:28	8065-48-3	N2
Total Merphos	**<4.2**	ug/kg	16.7	4.2	1	01/29/18 08:55	02/01/18 22:28	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	90	%.	11-137		1	01/29/18 08:55	02/01/18 22:28	115-86-6	
Tributylphosphate (S)	119	%.	17-125		1	01/29/18 08:55	02/01/18 22:28	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 18:14	94-75-7	
Dalapon	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 18:14	75-99-0	
2,4-DB	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 18:14	94-82-6	
Dicamba	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 18:14	1918-00-9	
Dichloroprop	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 18:14	15165-67-0	
Dinoseb	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 18:14	88-85-7	
MCPA	**<301**	ug/kg	301	301	1	01/29/18 16:21	01/30/18 18:14	94-74-6	
MCPP	**<301**	ug/kg	301	301	1	01/29/18 16:21	01/30/18 18:14	7085-19-0	
2,4,5-T	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 18:14	93-76-5	
2,4,5-TP (Silvex)	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 18:14	93-72-1	
Surrogates									
2,4-DCAA (S)	12	%.	10-188		1	01/29/18 16:21	01/30/18 18:14	19719-28-9	
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**20.1**	mg/kg	1.2	0.50	1	01/30/18 14:45	02/01/18 17:10	7440-38-2	
Barium	**271**	mg/kg	0.60	0.037	1	01/30/18 14:45	02/01/18 17:10	7440-39-3	
Cadmium	**13.0**	mg/kg	0.60	0.045	1	01/30/18 14:45	02/01/18 17:10	7440-43-9	
Chromium	**16.8**	mg/kg	0.60	0.12	1	01/30/18 14:45	02/01/18 17:10	7440-47-3	
Lead	**480**	mg/kg	0.60	0.25	1	01/30/18 14:45	02/01/18 17:10	7439-92-1	
Selenium	**1.2J**	mg/kg	1.8	0.90	1	01/30/18 14:45	02/01/18 17:10	7782-49-2	
Silver	**<0.20**	mg/kg	0.85	0.20	1	01/30/18 14:45	02/01/18 17:10	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.80**	mg/kg	0.055	0.0073	1	01/25/18 09:26	01/25/18 11:56	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<43.1**	ug/kg	406	43.1	1	01/25/18 15:00	01/29/18 18:14	83-32-9	
Acenaphthylene	**<38.2**	ug/kg	406	38.2	1	01/25/18 15:00	01/29/18 18:14	208-96-8	
Anthracene	**69.2J**	ug/kg	406	43.1	1	01/25/18 15:00	01/29/18 18:14	120-12-7	
Benzo(a)anthracene	**299J**	ug/kg	406	36.9	1	01/25/18 15:00	01/29/18 18:14	56-55-3	
Benzo(a)pyrene	**380J**	ug/kg	406	32.0	1	01/25/18 15:00	01/29/18 18:14	50-32-8	
Benzo(b)fluoranthene	**521**	ug/kg	406	28.3	1	01/25/18 15:00	01/29/18 18:14	205-99-2	
Benzo(g,h,i)perylene	**335J**	ug/kg	406	39.4	1	01/25/18 15:00	01/29/18 18:14	191-24-2	
Benzo(k)fluoranthene	**197J**	ug/kg	406	48.0	1	01/25/18 15:00	01/29/18 18:14	207-08-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-4 (0-1) **Lab ID: 60262644001** Collected: 01/23/18 08:50 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<38.2**	ug/kg	2060	38.2	1	01/25/18 15:00	01/29/18 18:14	65-85-0	
Benzyl alcohol	**<127**	ug/kg	813	127	1	01/25/18 15:00	01/29/18 18:14	100-51-6	
4-Bromophenylphenyl ether	**<32.0**	ug/kg	406	32.0	1	01/25/18 15:00	01/29/18 18:14	101-55-3	
Butylbenzylphthalate	**<53.0**	ug/kg	406	53.0	1	01/25/18 15:00	01/29/18 18:14	85-68-7	
Carbazole	**<33.3**	ug/kg	406	33.3	1	01/25/18 15:00	01/29/18 18:14	86-74-8	
4-Chloro-3-methylphenol	**<44.3**	ug/kg	813	44.3	1	01/25/18 15:00	01/29/18 18:14	59-50-7	
4-Chloroaniline	**<80.0**	ug/kg	813	80.0	1	01/25/18 15:00	01/29/18 18:14	106-47-8	
bis(2-Chloroethoxy)methane	**<32.0**	ug/kg	406	32.0	1	01/25/18 15:00	01/29/18 18:14	111-91-1	
bis(2-Chloroethyl) ether	**<32.0**	ug/kg	406	32.0	1	01/25/18 15:00	01/29/18 18:14	111-44-4	
bis(2-Chloroisopropyl) ether	**<32.0**	ug/kg	406	32.0	1	01/25/18 15:00	01/29/18 18:14	39638-32-9	
2-Chloronaphthalene	**<34.5**	ug/kg	406	34.5	1	01/25/18 15:00	01/29/18 18:14	91-58-7	
2-Chlorophenol	**<33.3**	ug/kg	406	33.3	1	01/25/18 15:00	01/29/18 18:14	95-57-8	
4-Chlorophenylphenyl ether	**<39.4**	ug/kg	406	39.4	1	01/25/18 15:00	01/29/18 18:14	7005-72-3	
Chrysene	**336J**	ug/kg	406	34.5	1	01/25/18 15:00	01/29/18 18:14	218-01-9	
Dibenz(a,h)anthracene	**93.6J**	ug/kg	406	36.9	1	01/25/18 15:00	01/29/18 18:14	53-70-3	
Dibenzofuran	**<36.9**	ug/kg	406	36.9	1	01/25/18 15:00	01/29/18 18:14	132-64-9	
1,2-Dichlorobenzene	**<30.8**	ug/kg	406	30.8	1	01/25/18 15:00	01/29/18 18:14	95-50-1	
1,3-Dichlorobenzene	**<34.5**	ug/kg	406	34.5	1	01/25/18 15:00	01/29/18 18:14	541-73-1	
1,4-Dichlorobenzene	**<35.7**	ug/kg	406	35.7	1	01/25/18 15:00	01/29/18 18:14	106-46-7	
3,3'-Dichlorobenzidine	**<139**	ug/kg	813	139	1	01/25/18 15:00	01/29/18 18:14	91-94-1	M1
2,4-Dichlorophenol	**<36.9**	ug/kg	406	36.9	1	01/25/18 15:00	01/29/18 18:14	120-83-2	
Diethylphthalate	**<38.2**	ug/kg	406	38.2	1	01/25/18 15:00	01/29/18 18:14	84-66-2	
2,4-Dimethylphenol	**<22.2**	ug/kg	406	22.2	1	01/25/18 15:00	01/29/18 18:14	105-67-9	
Dimethylphthalate	**<39.4**	ug/kg	406	39.4	1	01/25/18 15:00	01/29/18 18:14	131-11-3	
Di-n-butylphthalate	**<43.1**	ug/kg	406	43.1	1	01/25/18 15:00	01/29/18 18:14	84-74-2	
4,6-Dinitro-2-methylphenol	**<54.2**	ug/kg	2060	54.2	1	01/25/18 15:00	01/29/18 18:14	534-52-1	
2,4-Dinitrophenol	**<59.1**	ug/kg	2060	59.1	1	01/25/18 15:00	01/29/18 18:14	51-28-5	
2,4-Dinitrotoluene	**<34.5**	ug/kg	406	34.5	1	01/25/18 15:00	01/29/18 18:14	121-14-2	
2,6-Dinitrotoluene	**<41.9**	ug/kg	406	41.9	1	01/25/18 15:00	01/29/18 18:14	606-20-2	
Di-n-octylphthalate	**<48.0**	ug/kg	406	48.0	1	01/25/18 15:00	01/29/18 18:14	117-84-0	
bis(2-Ethylhexyl)phthalate	**<140**	ug/kg	406	140	1	01/25/18 15:00	01/29/18 18:14	117-81-7	
Fluoranthene	**539**	ug/kg	406	38.2	1	01/25/18 15:00	01/29/18 18:14	206-44-0	
Fluorene	**<38.2**	ug/kg	406	38.2	1	01/25/18 15:00	01/29/18 18:14	86-73-7	
Hexachloro-1,3-butadiene	**<40.6**	ug/kg	406	40.6	1	01/25/18 15:00	01/29/18 18:14	87-68-3	
Hexachlorobenzene	**<39.4**	ug/kg	406	39.4	1	01/25/18 15:00	01/29/18 18:14	118-74-1	
Hexachlorocyclopentadiene	**<86.2**	ug/kg	406	86.2	1	01/25/18 15:00	01/29/18 18:14	77-47-4	
Hexachloroethane	**<30.8**	ug/kg	406	30.8	1	01/25/18 15:00	01/29/18 18:14	67-72-1	
Indeno(1,2,3-cd)pyrene	**287J**	ug/kg	406	44.3	1	01/25/18 15:00	01/29/18 18:14	193-39-5	
Isophorone	**<36.9**	ug/kg	406	36.9	1	01/25/18 15:00	01/29/18 18:14	78-59-1	
2-Methylnaphthalene	**41.2J**	ug/kg	406	29.6	1	01/25/18 15:00	01/29/18 18:14	91-57-6	
2-Methylphenol(o-Cresol)	**<38.2**	ug/kg	406	38.2	1	01/25/18 15:00	01/29/18 18:14	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<44.3**	ug/kg	406	44.3	1	01/25/18 15:00	01/29/18 18:14		
Naphthalene	**43.0J**	ug/kg	406	32.0	1	01/25/18 15:00	01/29/18 18:14	91-20-3	
2-Nitroaniline	**<69.0**	ug/kg	813	69.0	1	01/25/18 15:00	01/29/18 18:14	88-74-4	
3-Nitroaniline	**<123**	ug/kg	813	123	1	01/25/18 15:00	01/29/18 18:14	99-09-2	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-4 (0-1) **Lab ID: 60262644001** Collected: 01/23/18 08:50 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<105**	ug/kg	813	105	1	01/25/18 15:00	01/29/18 18:14	100-01-6	
Nitrobenzene	**<38.2**	ug/kg	406	38.2	1	01/25/18 15:00	01/29/18 18:14	98-95-3	
2-Nitrophenol	**<56.6**	ug/kg	406	56.6	1	01/25/18 15:00	01/29/18 18:14	88-75-5	
4-Nitrophenol	**<64.0**	ug/kg	2060	64.0	1	01/25/18 15:00	01/29/18 18:14	100-02-7	
N-Nitroso-di-n-propylamine	**<40.6**	ug/kg	406	40.6	1	01/25/18 15:00	01/29/18 18:14	621-64-7	
N-Nitrosodiphenylamine	**<32.0**	ug/kg	406	32.0	1	01/25/18 15:00	01/29/18 18:14	86-30-6	
Pentachlorophenol	**<38.2**	ug/kg	2060	38.2	1	01/25/18 15:00	01/29/18 18:14	87-86-5	
Phenanthrene	**256J**	ug/kg	406	38.2	1	01/25/18 15:00	01/29/18 18:14	85-01-8	
Phenol	**<32.0**	ug/kg	406	32.0	1	01/25/18 15:00	01/29/18 18:14	108-95-2	
Pyrene	**465**	ug/kg	406	40.6	1	01/25/18 15:00	01/29/18 18:14	129-00-0	
Pyridine	**<33.3**	ug/kg	406	33.3	1	01/25/18 15:00	01/29/18 18:14	110-86-1	
1,2,4-Trichlorobenzene	**<36.9**	ug/kg	406	36.9	1	01/25/18 15:00	01/29/18 18:14	120-82-1	
2,4,5-Trichlorophenol	**<36.9**	ug/kg	406	36.9	1	01/25/18 15:00	01/29/18 18:14	95-95-4	
2,4,6-Trichlorophenol	**<38.2**	ug/kg	406	38.2	1	01/25/18 15:00	01/29/18 18:14	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	74	%	41-114		1	01/25/18 15:00	01/29/18 18:14	4165-60-0	
2-Fluorobiphenyl (S)	81	%	61-109		1	01/25/18 15:00	01/29/18 18:14	321-60-8	
Terphenyl-d14 (S)	87	%	48-120		1	01/25/18 15:00	01/29/18 18:14	1718-51-0	
Phenol-d6 (S)	74	%	48-102		1	01/25/18 15:00	01/29/18 18:14	13127-88-3	
2-Fluorophenol (S)	70	%	46-102		1	01/25/18 15:00	01/29/18 18:14	367-12-4	
2,4,6-Tribromophenol (S)	92	%	39-114		1	01/25/18 15:00	01/29/18 18:14	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**114**	mg/kg	18.7	1.5	1	01/25/18 15:00	01/27/18 13:52		
TPH-DRO	**46.9**	mg/kg	18.7	1.5	1	01/25/18 15:00	01/27/18 13:52		
Surrogates									
Nitrobenzene-d5 (S)	86	%	41-114		1	01/25/18 15:00	01/27/18 13:52	4165-60-0	
2-Fluorobiphenyl (S)	78	%	61-109		1	01/25/18 15:00	01/27/18 13:52	321-60-8	
Terphenyl-d14 (S)	72	%	48-120		1	01/25/18 15:00	01/27/18 13:52	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.29**	mg/kg	0.58	0.29	1		01/31/18 14:32		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**21.9J**	ug/kg	23.1	11.6	1		01/31/18 14:32	67-64-1	
Benzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	71-43-2	
Bromobenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	108-86-1	
Bromochloromethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	74-97-5	
Bromodichloromethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	75-27-4	
Bromoform	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	75-25-2	
Bromomethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	74-83-9	
2-Butanone (MEK)	**<5.8**	ug/kg	11.6	5.8	1		01/31/18 14:32	78-93-3	
n-Butylbenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	104-51-8	
sec-Butylbenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	135-98-8	
tert-Butylbenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	98-06-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-4 (0-1) **Lab ID: 60262644001** Collected: 01/23/18 08:50 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	75-15-0	
Carbon tetrachloride	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	56-23-5	
Chlorobenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	108-90-7	
Chloroethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	75-00-3	
Chloroform	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	67-66-3	
Chloromethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	74-87-3	
2-Chlorotoluene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	95-49-8	
4-Chlorotoluene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.8**	ug/kg	11.6	5.8	1		01/31/18 14:32	96-12-8	
Dibromochloromethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	124-48-1	
1,2-Dibromoethane (EDB)	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	106-93-4	
Dibromomethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	74-95-3	
1,2-Dichlorobenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	95-50-1	
1,3-Dichlorobenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	541-73-1	
1,4-Dichlorobenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	106-46-7	
Dichlorodifluoromethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	75-71-8	
1,1-Dichloroethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	75-34-3	
1,2-Dichloroethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	107-06-2	
1,2-Dichloroethene (Total)	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	540-59-0	
1,1-Dichloroethene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	75-35-4	
cis-1,2-Dichloroethene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	156-59-2	
trans-1,2-Dichloroethene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	156-60-5	L2
1,2-Dichloropropane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	78-87-5	
1,3-Dichloropropane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	142-28-9	
2,2-Dichloropropane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	594-20-7	
1,1-Dichloropropene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	563-58-6	
cis-1,3-Dichloropropene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	10061-01-5	
trans-1,3-Dichloropropene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	10061-02-6	
Ethylbenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	100-41-4	
Hexachloro-1,3-butadiene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	87-68-3	
2-Hexanone	**<11.6**	ug/kg	23.1	11.6	1		01/31/18 14:32	591-78-6	
Isopropylbenzene (Cumene)	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	98-82-8	
p-Isopropyltoluene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	99-87-6	
Methylene chloride	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.8**	ug/kg	11.6	5.8	1		01/31/18 14:32	108-10-1	
Methyl-tert-butyl ether	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	1634-04-4	
Naphthalene	**<5.8**	ug/kg	11.6	5.8	1		01/31/18 14:32	91-20-3	
n-Propylbenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	103-65-1	
Styrene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	79-34-5	
Tetrachloroethene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	127-18-4	
Toluene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	108-88-3	
1,2,3-Trichlorobenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	87-61-6	
1,2,4-Trichlorobenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	120-82-1	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-4 (0-1) **Lab ID: 60262644001** Collected: 01/23/18 08:50 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	71-55-6	
1,1,2-Trichloroethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	79-00-5	
Trichloroethene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	79-01-6	
Trichlorofluoromethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	75-69-4	
1,2,3-Trichloropropane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	96-18-4	
1,2,4-Trimethylbenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	95-63-6	
1,3,5-Trimethylbenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	108-67-8	
Vinyl chloride	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	75-01-4	
Xylene (Total)	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 14:32	1330-20-7	
Surrogates									
Toluene-d8 (S)	102	%	78-122		1		01/31/18 14:32	2037-26-5	
4-Bromofluorobenzene (S)	107	%	69-133		1		01/31/18 14:32	460-00-4	
1,2-Dichloroethane-d4 (S)	123	%	80-123		1		01/31/18 14:32	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**20.4**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**9.7**	Std. Units	0.10	0.10	1		01/30/18 10:40		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**2210**	mg/kg	124	61.9	10	02/05/18 08:00	02/06/18 01:51	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**14.8**	mg/kg	12.4	6.2	10	02/05/18 16:00	02/06/18 01:51	14797-55-8	
Nitrite as N	**<6.2**	mg/kg	12.4	6.2	10	02/05/18 16:00	02/06/18 01:51	14797-65-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-4 (3-5) **Lab ID: 60262644002** Collected: 01/23/18 09:00 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.44**	ug/kg	1.2	0.44	1	01/29/18 08:55	01/30/18 17:13	309-00-2	
alpha-BHC	**<0.20**	ug/kg	1.2	0.20	1	01/29/18 08:55	01/30/18 17:13	319-84-6	
beta-BHC	**<0.66**	ug/kg	2.1	0.66	1	01/29/18 08:55	01/30/18 17:13	319-85-7	
delta-BHC	**<0.60**	ug/kg	1.7	0.60	1	01/29/18 08:55	01/30/18 17:13	319-86-8	
gamma-BHC (Lindane)	**<0.56**	ug/kg	1.7	0.56	1	01/29/18 08:55	01/30/18 17:13	58-89-9	
Chlordane (Technical)	**<35.0**	ug/kg	187	35.0	1	01/29/18 08:55	01/30/18 17:13	57-74-9	
alpha-Chlordane	**<0.50**	ug/kg	2.1	0.50	1	01/29/18 08:55	01/30/18 17:13	5103-71-9	
gamma-Chlordane	**<0.83**	ug/kg	2.1	0.83	1	01/29/18 08:55	01/30/18 17:13	5103-74-2	
4,4'-DDD	**<0.41**	ug/kg	1.2	0.41	1	01/29/18 08:55	01/30/18 17:13	72-54-8	
4,4'-DDE	**<0.39**	ug/kg	1.2	0.39	1	01/29/18 08:55	01/30/18 17:13	72-55-9	
4,4'-DDT	**<0.80**	ug/kg	1.7	0.80	1	01/29/18 08:55	01/30/18 17:13	50-29-3	
Dieldrin	**<0.54**	ug/kg	1.7	0.54	1	01/29/18 08:55	01/30/18 17:13	60-57-1	
Endosulfan I	**<0.58**	ug/kg	1.7	0.58	1	01/29/18 08:55	01/30/18 17:13	959-98-8	
Endosulfan II	**<0.40**	ug/kg	1.2	0.40	1	01/29/18 08:55	01/30/18 17:13	33213-65-9	
Endosulfan sulfate	**<0.57**	ug/kg	1.7	0.57	1	01/29/18 08:55	01/30/18 17:13	1031-07-8	
Endrin	**<0.58**	ug/kg	2.1	0.58	1	01/29/18 08:55	01/30/18 17:13	72-20-8	
Endrin aldehyde	**<0.58**	ug/kg	1.7	0.58	1	01/29/18 08:55	01/30/18 17:13	7421-93-4	
Endrin ketone	**<0.69**	ug/kg	2.5	0.69	1	01/29/18 08:55	01/30/18 17:13	53494-70-5	
Heptachlor	**<0.95**	ug/kg	2.5	0.95	1	01/29/18 08:55	01/30/18 17:13	76-44-8	
Heptachlor epoxide	**<2.5**	ug/kg	6.2	2.5	1	01/29/18 08:55	01/30/18 17:13	1024-57-3	
Methoxychlor	**<0.72**	ug/kg	2.5	0.72	1	01/29/18 08:55	01/30/18 17:13	72-43-5	
Toxaphene	**<64.6**	ug/kg	187	64.6	1	01/29/18 08:55	01/30/18 17:13	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	86	%.	70-130		1	01/29/18 08:55	01/30/18 17:13	877-09-8	
Decachlorobiphenyl (S)	82	%.	70-130		1	01/29/18 08:55	01/30/18 17:13	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<4.1**	ug/kg	8.3	4.1	1	01/29/18 08:55	02/01/18 22:55	22248-79-9	
Azinphos, methyl (Guthion)	**<4.1**	ug/kg	8.3	4.1	1	01/29/18 08:55	02/01/18 22:55	86-50-0	
Bolstar	**<4.1**	ug/kg	8.3	4.1	1	01/29/18 08:55	02/01/18 22:55	35400-43-2	
Chlorpyrifos	**<4.1**	ug/kg	8.3	4.1	1	01/29/18 08:55	02/01/18 22:55	2921-88-2	
Coumaphos	**<4.1**	ug/kg	8.3	4.1	1	01/29/18 08:55	02/01/18 22:55	56-72-4	
Diazinon	**<4.1**	ug/kg	8.3	4.1	1	01/29/18 08:55	02/01/18 22:55	333-41-5	
Dichlorvos	**<2.1**	ug/kg	4.1	2.1	1	01/29/18 08:55	02/01/18 22:55	62-73-7	
Dimethoate	**<4.1**	ug/kg	8.3	4.1	1	01/29/18 08:55	02/01/18 22:55	60-51-5	
Disulfoton	**<2.1**	ug/kg	4.1	2.1	1	01/29/18 08:55	02/01/18 22:55	298-04-4	
EPN (ENT)	**<2.6**	ug/kg	4.1	2.6	1	01/29/18 08:55	02/01/18 22:55	2104-64-5	
Ethoprop	**<2.1**	ug/kg	4.1	2.1	1	01/29/18 08:55	02/01/18 22:55	13194-48-4	
Fensulfothion	**<4.1**	ug/kg	8.3	4.1	1	01/29/18 08:55	02/01/18 22:55	115-90-2	
Fenthion	**<2.1**	ug/kg	4.1	2.1	1	01/29/18 08:55	02/01/18 22:55	55-38-9	
Malathion	**<4.1**	ug/kg	8.3	4.1	1	01/29/18 08:55	02/01/18 22:55	121-75-5	
Methyl parathion	**<2.1**	ug/kg	4.1	2.1	1	01/29/18 08:55	02/01/18 22:55	298-00-0	
Mevinphos	**<2.5**	ug/kg	4.1	2.5	1	01/29/18 08:55	02/01/18 22:55	7786-34-7	
Parathion (Ethyl parathion)	**<4.1**	ug/kg	8.3	4.1	1	01/29/18 08:55	02/01/18 22:55	56-38-2	
Phorate	**<2.1**	ug/kg	4.1	2.1	1	01/29/18 08:55	02/01/18 22:55	298-02-2	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-4 (3-5) **Lab ID: 60262644002** Collected: 01/23/18 09:00 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<2.1**	ug/kg	4.1	2.1	1	01/29/18 08:55	02/01/18 22:55	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<2.1**	ug/kg	4.1	2.1	1	01/29/18 08:55	02/01/18 22:55	3689-24-5	
Tokuthion (Prothiofos)	**<2.1**	ug/kg	4.1	2.1	1	01/29/18 08:55	02/01/18 22:55	34643-46-4	
Trichloronate	**<4.1**	ug/kg	8.3	4.1	1	01/29/18 08:55	02/01/18 22:55	327-98-0	
Total Demeton	**<3.4**	ug/kg	4.1	3.4	1	01/29/18 08:55	02/01/18 22:55	8065-48-3	N2
Total Merphos	**<4.1**	ug/kg	16.6	4.1	1	01/29/18 08:55	02/01/18 22:55	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	92	%.	11-137		1	01/29/18 08:55	02/01/18 22:55	115-86-6	
Tributylphosphate (S)	116	%.	17-125		1	01/29/18 08:55	02/01/18 22:55	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**19.9**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/31/18 22:23	94-75-7	
Dalapon	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/31/18 22:23	75-99-0	
2,4-DB	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/31/18 22:23	94-82-6	
Dicamba	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/31/18 22:23	1918-00-9	
Dichloroprop	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/31/18 22:23	15165-67-0	
Dinoseb	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/31/18 22:23	88-85-7	CH
MCPA	**<302**	ug/kg	302	302	1	01/29/18 16:21	01/31/18 22:23	94-74-6	
MCPP	**<302**	ug/kg	302	302	1	01/29/18 16:21	01/31/18 22:23	7085-19-0	
2,4,5-T	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/31/18 22:23	93-76-5	
2,4,5-TP (Silvex)	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/31/18 22:23	93-72-1	
Surrogates									
2,4-DCAA (S)	12	%.	10-188		1	01/29/18 16:21	01/31/18 22:23	19719-28-9	
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**17.7**	mg/kg	1.2	0.48	1	01/30/18 14:45	02/01/18 17:17	7440-38-2	
Barium	**333**	mg/kg	0.58	0.036	1	01/30/18 14:45	02/01/18 17:17	7440-39-3	M1
Cadmium	**29.0**	mg/kg	0.58	0.043	1	01/30/18 14:45	02/01/18 17:17	7440-43-9	M1
Chromium	**25.7**	mg/kg	0.58	0.12	1	01/30/18 14:45	02/01/18 17:17	7440-47-3	
Lead	**250**	mg/kg	0.58	0.24	1	01/30/18 14:45	02/01/18 17:17	7439-92-1	M1
Selenium	**2.3**	mg/kg	1.7	0.87	1	01/30/18 14:45	02/01/18 17:17	7782-49-2	
Silver	**<0.19**	mg/kg	0.81	0.19	1	01/30/18 14:45	02/01/18 17:17	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.59**	mg/kg	0.061	0.0080	1	01/25/18 09:26	01/25/18 11:58	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<43.4**	ug/kg	410	43.4	1	01/25/18 15:00	01/29/18 18:36	83-32-9	
Acenaphthylene	**<38.5**	ug/kg	410	38.5	1	01/25/18 15:00	01/29/18 18:36	208-96-8	
Anthracene	**<43.4**	ug/kg	410	43.4	1	01/25/18 15:00	01/29/18 18:36	120-12-7	
Benzo(a)anthracene	**170J**	ug/kg	410	37.2	1	01/25/18 15:00	01/29/18 18:36	56-55-3	
Benzo(a)pyrene	**272J**	ug/kg	410	32.3	1	01/25/18 15:00	01/29/18 18:36	50-32-8	
Benzo(b)fluoranthene	**410**	ug/kg	410	28.5	1	01/25/18 15:00	01/29/18 18:36	205-99-2	
Benzo(g,h,i)perylene	**222J**	ug/kg	410	39.7	1	01/25/18 15:00	01/29/18 18:36	191-24-2	
Benzo(k)fluoranthene	**130J**	ug/kg	410	48.4	1	01/25/18 15:00	01/29/18 18:36	207-08-9	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-4 (3-5) **Lab ID: 60262644002** Collected: 01/23/18 09:00 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<38.5**	ug/kg	2070	38.5	1	01/25/18 15:00	01/29/18 18:36	65-85-0	
Benzyl alcohol	**<128**	ug/kg	819	128	1	01/25/18 15:00	01/29/18 18:36	100-51-6	
4-Bromophenylphenyl ether	**<32.3**	ug/kg	410	32.3	1	01/25/18 15:00	01/29/18 18:36	101-55-3	
Butylbenzylphthalate	**<53.4**	ug/kg	410	53.4	1	01/25/18 15:00	01/29/18 18:36	85-68-7	
Carbazole	**<33.5**	ug/kg	410	33.5	1	01/25/18 15:00	01/29/18 18:36	86-74-8	
4-Chloro-3-methylphenol	**<44.7**	ug/kg	819	44.7	1	01/25/18 15:00	01/29/18 18:36	59-50-7	
4-Chloroaniline	**<80.7**	ug/kg	819	80.7	1	01/25/18 15:00	01/29/18 18:36	106-47-8	
bis(2-Chloroethoxy)methane	**<32.3**	ug/kg	410	32.3	1	01/25/18 15:00	01/29/18 18:36	111-91-1	
bis(2-Chloroethyl) ether	**<32.3**	ug/kg	410	32.3	1	01/25/18 15:00	01/29/18 18:36	111-44-4	
bis(2-Chloroisopropyl) ether	**<32.3**	ug/kg	410	32.3	1	01/25/18 15:00	01/29/18 18:36	39638-32-9	
2-Chloronaphthalene	**<34.7**	ug/kg	410	34.7	1	01/25/18 15:00	01/29/18 18:36	91-58-7	
2-Chlorophenol	**<33.5**	ug/kg	410	33.5	1	01/25/18 15:00	01/29/18 18:36	95-57-8	
4-Chlorophenylphenyl ether	**<39.7**	ug/kg	410	39.7	1	01/25/18 15:00	01/29/18 18:36	7005-72-3	
Chrysene	**208J**	ug/kg	410	34.7	1	01/25/18 15:00	01/29/18 18:36	218-01-9	
Dibenz(a,h)anthracene	**76.0J**	ug/kg	410	37.2	1	01/25/18 15:00	01/29/18 18:36	53-70-3	
Dibenzofuran	**<37.2**	ug/kg	410	37.2	1	01/25/18 15:00	01/29/18 18:36	132-64-9	
1,2-Dichlorobenzene	**<31.0**	ug/kg	410	31.0	1	01/25/18 15:00	01/29/18 18:36	95-50-1	
1,3-Dichlorobenzene	**<34.7**	ug/kg	410	34.7	1	01/25/18 15:00	01/29/18 18:36	541-73-1	
1,4-Dichlorobenzene	**<36.0**	ug/kg	410	36.0	1	01/25/18 15:00	01/29/18 18:36	106-46-7	
3,3'-Dichlorobenzidine	**<140**	ug/kg	819	140	1	01/25/18 15:00	01/29/18 18:36	91-94-1	
2,4-Dichlorophenol	**<37.2**	ug/kg	410	37.2	1	01/25/18 15:00	01/29/18 18:36	120-83-2	
Diethylphthalate	**<38.5**	ug/kg	410	38.5	1	01/25/18 15:00	01/29/18 18:36	84-66-2	
2,4-Dimethylphenol	**<22.3**	ug/kg	410	22.3	1	01/25/18 15:00	01/29/18 18:36	105-67-9	
Dimethylphthalate	**<39.7**	ug/kg	410	39.7	1	01/25/18 15:00	01/29/18 18:36	131-11-3	
Di-n-butylphthalate	**<43.4**	ug/kg	410	43.4	1	01/25/18 15:00	01/29/18 18:36	84-74-2	
4,6-Dinitro-2-methylphenol	**<54.6**	ug/kg	2070	54.6	1	01/25/18 15:00	01/29/18 18:36	534-52-1	
2,4-Dinitrophenol	**<59.6**	ug/kg	2070	59.6	1	01/25/18 15:00	01/29/18 18:36	51-28-5	
2,4-Dinitrotoluene	**<34.7**	ug/kg	410	34.7	1	01/25/18 15:00	01/29/18 18:36	121-14-2	
2,6-Dinitrotoluene	**<42.2**	ug/kg	410	42.2	1	01/25/18 15:00	01/29/18 18:36	606-20-2	
Di-n-octylphthalate	**<48.4**	ug/kg	410	48.4	1	01/25/18 15:00	01/29/18 18:36	117-84-0	
bis(2-Ethylhexyl)phthalate	**<141**	ug/kg	410	141	1	01/25/18 15:00	01/29/18 18:36	117-81-7	
Fluoranthene	**196J**	ug/kg	410	38.5	1	01/25/18 15:00	01/29/18 18:36	206-44-0	
Fluorene	**<38.5**	ug/kg	410	38.5	1	01/25/18 15:00	01/29/18 18:36	86-73-7	
Hexachloro-1,3-butadiene	**<41.0**	ug/kg	410	41.0	1	01/25/18 15:00	01/29/18 18:36	87-68-3	
Hexachlorobenzene	**<39.7**	ug/kg	410	39.7	1	01/25/18 15:00	01/29/18 18:36	118-74-1	
Hexachlorocyclopentadiene	**<86.9**	ug/kg	410	86.9	1	01/25/18 15:00	01/29/18 18:36	77-47-4	
Hexachloroethane	**<31.0**	ug/kg	410	31.0	1	01/25/18 15:00	01/29/18 18:36	67-72-1	
Indeno(1,2,3-cd)pyrene	**212J**	ug/kg	410	44.7	1	01/25/18 15:00	01/29/18 18:36	193-39-5	
Isophorone	**<37.2**	ug/kg	410	37.2	1	01/25/18 15:00	01/29/18 18:36	78-59-1	
2-Methylnaphthalene	**<29.8**	ug/kg	410	29.8	1	01/25/18 15:00	01/29/18 18:36	91-57-6	
2-Methylphenol(o-Cresol)	**<38.5**	ug/kg	410	38.5	1	01/25/18 15:00	01/29/18 18:36	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<44.7**	ug/kg	410	44.7	1	01/25/18 15:00	01/29/18 18:36		
Naphthalene	**43.5J**	ug/kg	410	32.3	1	01/25/18 15:00	01/29/18 18:36	91-20-3	
2-Nitroaniline	**<69.5**	ug/kg	819	69.5	1	01/25/18 15:00	01/29/18 18:36	88-74-4	
3-Nitroaniline	**<124**	ug/kg	819	124	1	01/25/18 15:00	01/29/18 18:36	99-09-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-4 (3-5) **Lab ID: 60262644002** Collected: 01/23/18 09:00 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<105**	ug/kg	819	105	1	01/25/18 15:00	01/29/18 18:36	100-01-6	
Nitrobenzene	**<38.5**	ug/kg	410	38.5	1	01/25/18 15:00	01/29/18 18:36	98-95-3	
2-Nitrophenol	**<57.1**	ug/kg	410	57.1	1	01/25/18 15:00	01/29/18 18:36	88-75-5	
4-Nitrophenol	**<64.5**	ug/kg	2070	64.5	1	01/25/18 15:00	01/29/18 18:36	100-02-7	
N-Nitroso-di-n-propylamine	**<41.0**	ug/kg	410	41.0	1	01/25/18 15:00	01/29/18 18:36	621-64-7	
N-Nitrosodiphenylamine	**<32.3**	ug/kg	410	32.3	1	01/25/18 15:00	01/29/18 18:36	86-30-6	
Pentachlorophenol	**<38.5**	ug/kg	2070	38.5	1	01/25/18 15:00	01/29/18 18:36	87-86-5	
Phenanthrene	**120J**	ug/kg	410	38.5	1	01/25/18 15:00	01/29/18 18:36	85-01-8	
Phenol	**<32.3**	ug/kg	410	32.3	1	01/25/18 15:00	01/29/18 18:36	108-95-2	
Pyrene	**182J**	ug/kg	410	41.0	1	01/25/18 15:00	01/29/18 18:36	129-00-0	
Pyridine	**<33.5**	ug/kg	410	33.5	1	01/25/18 15:00	01/29/18 18:36	110-86-1	
1,2,4-Trichlorobenzene	**<37.2**	ug/kg	410	37.2	1	01/25/18 15:00	01/29/18 18:36	120-82-1	
2,4,5-Trichlorophenol	**<37.2**	ug/kg	410	37.2	1	01/25/18 15:00	01/29/18 18:36	95-95-4	
2,4,6-Trichlorophenol	**<38.5**	ug/kg	410	38.5	1	01/25/18 15:00	01/29/18 18:36	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	70	%	41-114		1	01/25/18 15:00	01/29/18 18:36	4165-60-0	
2-Fluorobiphenyl (S)	74	%	61-109		1	01/25/18 15:00	01/29/18 18:36	321-60-8	
Terphenyl-d14 (S)	78	%	48-120		1	01/25/18 15:00	01/29/18 18:36	1718-51-0	
Phenol-d6 (S)	69	%	48-102		1	01/25/18 15:00	01/29/18 18:36	13127-88-3	
2-Fluorophenol (S)	67	%	46-102		1	01/25/18 15:00	01/29/18 18:36	367-12-4	
2,4,6-Tribromophenol (S)	88	%	39-114		1	01/25/18 15:00	01/29/18 18:36	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**40.3**	mg/kg	18.7	1.5	1	01/25/18 15:00	01/27/18 14:13		
TPH-DRO	**16.4J**	mg/kg	18.7	1.5	1	01/25/18 15:00	01/27/18 14:13		
Surrogates									
Nitrobenzene-d5 (S)	82	%	41-114		1	01/25/18 15:00	01/27/18 14:13	4165-60-0	
2-Fluorobiphenyl (S)	63	%	61-109		1	01/25/18 15:00	01/27/18 14:13	321-60-8	
Terphenyl-d14 (S)	78	%	48-120		1	01/25/18 15:00	01/27/18 14:13	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.28**	mg/kg	0.56	0.28	1		01/31/18 14:48		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**47.0**	ug/kg	22.2	11.1	1		01/31/18 14:48	67-64-1	
Benzene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	71-43-2	
Bromobenzene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	108-86-1	
Bromochloromethane	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	74-97-5	
Bromodichloromethane	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	75-27-4	
Bromoform	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	75-25-2	
Bromomethane	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	74-83-9	
2-Butanone (MEK)	**<5.6**	ug/kg	11.1	5.6	1		01/31/18 14:48	78-93-3	
n-Butylbenzene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	104-51-8	
sec-Butylbenzene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	135-98-8	
tert-Butylbenzene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	98-06-6	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-4 (3-5) **Lab ID: 60262644002** Collected: 01/23/18 09:00 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	75-15-0	
Carbon tetrachloride	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	56-23-5	
Chlorobenzene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	108-90-7	
Chloroethane	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	75-00-3	
Chloroform	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	67-66-3	
Chloromethane	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	74-87-3	
2-Chlorotoluene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	95-49-8	
4-Chlorotoluene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.6**	ug/kg	11.1	5.6	1		01/31/18 14:48	96-12-8	
Dibromochloromethane	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	124-48-1	
1,2-Dibromoethane (EDB)	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	106-93-4	
Dibromomethane	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	74-95-3	
1,2-Dichlorobenzene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	95-50-1	
1,3-Dichlorobenzene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	541-73-1	
1,4-Dichlorobenzene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	106-46-7	
Dichlorodifluoromethane	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	75-71-8	
1,1-Dichloroethane	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	75-34-3	
1,2-Dichloroethane	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	107-06-2	
1,2-Dichloroethene (Total)	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	540-59-0	
1,1-Dichloroethene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	75-35-4	
cis-1,2-Dichloroethene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	156-59-2	
trans-1,2-Dichloroethene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	156-60-5	L2
1,2-Dichloropropane	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	78-87-5	
1,3-Dichloropropane	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	142-28-9	
2,2-Dichloropropane	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	594-20-7	
1,1-Dichloropropene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	563-58-6	
cis-1,3-Dichloropropene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	10061-01-5	
trans-1,3-Dichloropropene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	10061-02-6	
Ethylbenzene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	100-41-4	
Hexachloro-1,3-butadiene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	87-68-3	
2-Hexanone	**<11.1**	ug/kg	22.2	11.1	1		01/31/18 14:48	591-78-6	
Isopropylbenzene (Cumene)	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	98-82-8	
p-Isopropyltoluene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	99-87-6	
Methylene chloride	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.6**	ug/kg	11.1	5.6	1		01/31/18 14:48	108-10-1	
Methyl-tert-butyl ether	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	1634-04-4	
Naphthalene	**<5.6**	ug/kg	11.1	5.6	1		01/31/18 14:48	91-20-3	
n-Propylbenzene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	103-65-1	
Styrene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	79-34-5	
Tetrachloroethene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	127-18-4	
Toluene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	108-88-3	
1,2,3-Trichlorobenzene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	87-61-6	
1,2,4-Trichlorobenzene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	120-82-1	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-4 (3-5) **Lab ID: 60262644002** Collected: 01/23/18 09:00 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	71-55-6	
1,1,2-Trichloroethane	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	79-00-5	
Trichloroethene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	79-01-6	
Trichlorofluoromethane	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	75-69-4	
1,2,3-Trichloropropane	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	96-18-4	
1,2,4-Trimethylbenzene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	95-63-6	
1,3,5-Trimethylbenzene	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	108-67-8	
Vinyl chloride	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	75-01-4	
Xylene (Total)	**<2.8**	ug/kg	5.6	2.8	1		01/31/18 14:48	1330-20-7	
Surrogates									
Toluene-d8 (S)	101	%	78-122		1		01/31/18 14:48	2037-26-5	
4-Bromofluorobenzene (S)	107	%	69-133		1		01/31/18 14:48	460-00-4	
1,2-Dichloroethane-d4 (S)	115	%	80-123		1		01/31/18 14:48	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**20.0**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**9.5**	Std. Units	0.10	0.10	1		01/30/18 10:40		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**425**	mg/kg	125	62.3	10	02/05/18 08:00	02/06/18 02:05	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**17.9**	mg/kg	12.5	6.2	10	02/05/18 16:00	02/06/18 02:05	14797-55-8	
Nitrite as N	**<6.2**	mg/kg	12.5	6.2	10	02/05/18 16:00	02/06/18 02:05	14797-65-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-5 (0-1) **Lab ID: 60262644003** Collected: 01/23/18 10:20 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.44**	ug/kg	1.3	0.44	1	01/29/18 08:55	01/29/18 20:38	309-00-2	
alpha-BHC	**<0.20**	ug/kg	1.3	0.20	1	01/29/18 08:55	01/29/18 20:38	319-84-6	
beta-BHC	**<0.66**	ug/kg	2.1	0.66	1	01/29/18 08:55	01/29/18 20:38	319-85-7	
delta-BHC	**<0.60**	ug/kg	1.8	0.60	1	01/29/18 08:55	01/29/18 20:38	319-86-8	
gamma-BHC (Lindane)	**<0.56**	ug/kg	1.8	0.56	1	01/29/18 08:55	01/29/18 20:38	58-89-9	
Chlordane (Technical)	**<35.2**	ug/kg	188	35.2	1	01/29/18 08:55	01/29/18 20:38	57-74-9	
alpha-Chlordane	**<0.50**	ug/kg	2.1	0.50	1	01/29/18 08:55	01/29/18 20:38	5103-71-9	
gamma-Chlordane	**<0.83**	ug/kg	2.1	0.83	1	01/29/18 08:55	01/29/18 20:38	5103-74-2	
4,4'-DDD	**<0.41**	ug/kg	1.3	0.41	1	01/29/18 08:55	01/29/18 20:38	72-54-8	
4,4'-DDE	**<0.39**	ug/kg	1.3	0.39	1	01/29/18 08:55	01/29/18 20:38	72-55-9	
4,4'-DDT	**<0.81**	ug/kg	1.8	0.81	1	01/29/18 08:55	01/29/18 20:38	50-29-3	
Dieldrin	**<0.54**	ug/kg	1.8	0.54	1	01/29/18 08:55	01/29/18 20:38	60-57-1	
Endosulfan I	**<0.58**	ug/kg	1.8	0.58	1	01/29/18 08:55	01/29/18 20:38	959-98-8	
Endosulfan II	**<0.40**	ug/kg	1.3	0.40	1	01/29/18 08:55	01/29/18 20:38	33213-65-9	
Endosulfan sulfate	**<0.58**	ug/kg	1.8	0.58	1	01/29/18 08:55	01/29/18 20:38	1031-07-8	
Endrin	**<0.58**	ug/kg	2.1	0.58	1	01/29/18 08:55	01/29/18 20:38	72-20-8	
Endrin aldehyde	**<0.58**	ug/kg	1.8	0.58	1	01/29/18 08:55	01/29/18 20:38	7421-93-4	
Endrin ketone	**<0.69**	ug/kg	2.5	0.69	1	01/29/18 08:55	01/29/18 20:38	53494-70-5	
Heptachlor	**<0.95**	ug/kg	2.5	0.95	1	01/29/18 08:55	01/29/18 20:38	76-44-8	
Heptachlor epoxide	**<2.5**	ug/kg	6.3	2.5	1	01/29/18 08:55	01/29/18 20:38	1024-57-3	
Methoxychlor	**<0.72**	ug/kg	2.5	0.72	1	01/29/18 08:55	01/29/18 20:38	72-43-5	
Toxaphene	**<64.9**	ug/kg	188	64.9	1	01/29/18 08:55	01/29/18 20:38	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	81	%.	70-130		1	01/29/18 08:55	01/29/18 20:38	877-09-8	
Decachlorobiphenyl (S)	75	%.	70-130		1	01/29/18 08:55	01/29/18 20:38	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<4.2**	ug/kg	8.3	4.2	1	01/29/18 08:55	02/01/18 23:22	22248-79-9	
Azinphos, methyl (Guthion)	**<4.2**	ug/kg	8.3	4.2	1	01/29/18 08:55	02/01/18 23:22	86-50-0	
Bolstar	**<4.2**	ug/kg	8.3	4.2	1	01/29/18 08:55	02/01/18 23:22	35400-43-2	
Chlorpyrifos	**<4.2**	ug/kg	8.3	4.2	1	01/29/18 08:55	02/01/18 23:22	2921-88-2	
Coumaphos	**<4.2**	ug/kg	8.3	4.2	1	01/29/18 08:55	02/01/18 23:22	56-72-4	
Diazinon	**<4.2**	ug/kg	8.3	4.2	1	01/29/18 08:55	02/01/18 23:22	333-41-5	
Dichlorvos	**<2.1**	ug/kg	4.2	2.1	1	01/29/18 08:55	02/01/18 23:22	62-73-7	
Dimethoate	**<4.2**	ug/kg	8.3	4.2	1	01/29/18 08:55	02/01/18 23:22	60-51-5	
Disulfoton	**<2.1**	ug/kg	4.2	2.1	1	01/29/18 08:55	02/01/18 23:22	298-04-4	
EPN (ENT)	**<2.7**	ug/kg	4.2	2.7	1	01/29/18 08:55	02/01/18 23:22	2104-64-5	
Ethoprop	**<2.1**	ug/kg	4.2	2.1	1	01/29/18 08:55	02/01/18 23:22	13194-48-4	
Fensulfothion	**<4.2**	ug/kg	8.3	4.2	1	01/29/18 08:55	02/01/18 23:22	115-90-2	
Fenthion	**<2.1**	ug/kg	4.2	2.1	1	01/29/18 08:55	02/01/18 23:22	55-38-9	
Malathion	**<4.2**	ug/kg	8.3	4.2	1	01/29/18 08:55	02/01/18 23:22	121-75-5	
Methyl parathion	**<2.1**	ug/kg	4.2	2.1	1	01/29/18 08:55	02/01/18 23:22	298-00-0	
Mevinphos	**<2.5**	ug/kg	4.2	2.5	1	01/29/18 08:55	02/01/18 23:22	7786-34-7	
Parathion (Ethyl parathion)	**<4.2**	ug/kg	8.3	4.2	1	01/29/18 08:55	02/01/18 23:22	56-38-2	
Phorate	**<2.1**	ug/kg	4.2	2.1	1	01/29/18 08:55	02/01/18 23:22	298-02-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-5 (0-1) **Lab ID: 60262644003** Collected: 01/23/18 10:20 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<2.1**	ug/kg	4.2	2.1	1	01/29/18 08:55	02/01/18 23:22	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<2.1**	ug/kg	4.2	2.1	1	01/29/18 08:55	02/01/18 23:22	3689-24-5	
Tokuthion (Prothiofos)	**<2.1**	ug/kg	4.2	2.1	1	01/29/18 08:55	02/01/18 23:22	34643-46-4	
Trichloronate	**<4.2**	ug/kg	8.3	4.2	1	01/29/18 08:55	02/01/18 23:22	327-98-0	
Total Demeton	**<3.4**	ug/kg	4.2	3.4	1	01/29/18 08:55	02/01/18 23:22	8065-48-3	N2
Total Merphos	**<4.2**	ug/kg	16.7	4.2	1	01/29/18 08:55	02/01/18 23:22	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	98	%.	11-137		1	01/29/18 08:55	02/01/18 23:22	115-86-6	
Tributylphosphate (S)	114	%.	17-125		1	01/29/18 08:55	02/01/18 23:22	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/31/18 14:53	94-75-7	
Dalapon	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/31/18 14:53	75-99-0	
2,4-DB	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/31/18 14:53	94-82-6	
Dicamba	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/31/18 14:53	1918-00-9	
Dichloroprop	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/31/18 14:53	15165-67-0	
Dinoseb	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/31/18 14:53	88-85-7	CH
MCPA	**<310**	ug/kg	310	310	1	01/29/18 16:21	01/31/18 14:53	94-74-6	
MCPP	**<310**	ug/kg	310	310	1	01/29/18 16:21	01/31/18 14:53	7085-19-0	
2,4,5-T	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/31/18 14:53	93-76-5	
2,4,5-TP (Silvex)	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/31/18 14:53	93-72-1	
Surrogates									
2,4-DCAA (S)	10	%.	10-188		1	01/29/18 16:21	01/31/18 14:53	19719-28-9	
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**8.2**	mg/kg	1.2	0.48	1	01/30/18 14:45	02/01/18 17:24	7440-38-2	
Barium	**4650**	mg/kg	0.58	0.036	1	01/30/18 14:45	02/01/18 17:24	7440-39-3	
Cadmium	**2.9**	mg/kg	0.58	0.043	1	01/30/18 14:45	02/01/18 17:24	7440-43-9	
Chromium	**15.0**	mg/kg	0.58	0.12	1	01/30/18 14:45	02/01/18 17:24	7440-47-3	
Lead	**146**	mg/kg	0.58	0.24	1	01/30/18 14:45	02/01/18 17:24	7439-92-1	
Selenium	**<0.87**	mg/kg	1.7	0.87	1	01/30/18 14:45	02/01/18 17:24	7782-49-2	
Silver	**<0.19**	mg/kg	0.81	0.19	1	01/30/18 14:45	02/01/18 17:24	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.16**	mg/kg	0.061	0.0080	1	01/25/18 09:26	01/25/18 12:01	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<43.3**	ug/kg	409	43.3	1	01/25/18 15:00	01/29/18 18:57	83-32-9	
Acenaphthylene	**<38.4**	ug/kg	409	38.4	1	01/25/18 15:00	01/29/18 18:57	208-96-8	
Anthracene	**<43.3**	ug/kg	409	43.3	1	01/25/18 15:00	01/29/18 18:57	120-12-7	
Benzo(a)anthracene	**<37.1**	ug/kg	409	37.1	1	01/25/18 15:00	01/29/18 18:57	56-55-3	
Benzo(a)pyrene	**<32.2**	ug/kg	409	32.2	1	01/25/18 15:00	01/29/18 18:57	50-32-8	
Benzo(b)fluoranthene	**42.4J**	ug/kg	409	28.5	1	01/25/18 15:00	01/29/18 18:57	205-99-2	
Benzo(g,h,i)perylene	**<39.6**	ug/kg	409	39.6	1	01/25/18 15:00	01/29/18 18:57	191-24-2	
Benzo(k)fluoranthene	**<48.3**	ug/kg	409	48.3	1	01/25/18 15:00	01/29/18 18:57	207-08-9	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-5 (0-1) **Lab ID: 60262644003** Collected: 01/23/18 10:20 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<38.4**	ug/kg	2070	38.4	1	01/25/18 15:00	01/29/18 18:57	65-85-0	
Benzyl alcohol	**<128**	ug/kg	817	128	1	01/25/18 15:00	01/29/18 18:57	100-51-6	
4-Bromophenylphenyl ether	**<32.2**	ug/kg	409	32.2	1	01/25/18 15:00	01/29/18 18:57	101-55-3	
Butylbenzylphthalate	**<53.2**	ug/kg	409	53.2	1	01/25/18 15:00	01/29/18 18:57	85-68-7	
Carbazole	**<33.4**	ug/kg	409	33.4	1	01/25/18 15:00	01/29/18 18:57	86-74-8	
4-Chloro-3-methylphenol	**<44.6**	ug/kg	817	44.6	1	01/25/18 15:00	01/29/18 18:57	59-50-7	
4-Chloroaniline	**<80.5**	ug/kg	817	80.5	1	01/25/18 15:00	01/29/18 18:57	106-47-8	
bis(2-Chloroethoxy)methane	**<32.2**	ug/kg	409	32.2	1	01/25/18 15:00	01/29/18 18:57	111-91-1	
bis(2-Chloroethyl) ether	**<32.2**	ug/kg	409	32.2	1	01/25/18 15:00	01/29/18 18:57	111-44-4	
bis(2-Chloroisopropyl) ether	**<32.2**	ug/kg	409	32.2	1	01/25/18 15:00	01/29/18 18:57	39638-32-9	
2-Chloronaphthalene	**<34.7**	ug/kg	409	34.7	1	01/25/18 15:00	01/29/18 18:57	91-58-7	
2-Chlorophenol	**<33.4**	ug/kg	409	33.4	1	01/25/18 15:00	01/29/18 18:57	95-57-8	
4-Chlorophenylphenyl ether	**<39.6**	ug/kg	409	39.6	1	01/25/18 15:00	01/29/18 18:57	7005-72-3	
Chrysene	**<34.7**	ug/kg	409	34.7	1	01/25/18 15:00	01/29/18 18:57	218-01-9	
Dibenz(a,h)anthracene	**<37.1**	ug/kg	409	37.1	1	01/25/18 15:00	01/29/18 18:57	53-70-3	
Dibenzofuran	**<37.1**	ug/kg	409	37.1	1	01/25/18 15:00	01/29/18 18:57	132-64-9	
1,2-Dichlorobenzene	**<31.0**	ug/kg	409	31.0	1	01/25/18 15:00	01/29/18 18:57	95-50-1	
1,3-Dichlorobenzene	**<34.7**	ug/kg	409	34.7	1	01/25/18 15:00	01/29/18 18:57	541-73-1	
1,4-Dichlorobenzene	**<35.9**	ug/kg	409	35.9	1	01/25/18 15:00	01/29/18 18:57	106-46-7	
3,3'-Dichlorobenzidine	**<140**	ug/kg	817	140	1	01/25/18 15:00	01/29/18 18:57	91-94-1	
2,4-Dichlorophenol	**<37.1**	ug/kg	409	37.1	1	01/25/18 15:00	01/29/18 18:57	120-83-2	
Diethylphthalate	**<38.4**	ug/kg	409	38.4	1	01/25/18 15:00	01/29/18 18:57	84-66-2	
2,4-Dimethylphenol	**<22.3**	ug/kg	409	22.3	1	01/25/18 15:00	01/29/18 18:57	105-67-9	
Dimethylphthalate	**<39.6**	ug/kg	409	39.6	1	01/25/18 15:00	01/29/18 18:57	131-11-3	
Di-n-butylphthalate	**<43.3**	ug/kg	409	43.3	1	01/25/18 15:00	01/29/18 18:57	84-74-2	
4,6-Dinitro-2-methylphenol	**<54.5**	ug/kg	2070	54.5	1	01/25/18 15:00	01/29/18 18:57	534-52-1	
2,4-Dinitrophenol	**<59.4**	ug/kg	2070	59.4	1	01/25/18 15:00	01/29/18 18:57	51-28-5	
2,4-Dinitrotoluene	**<34.7**	ug/kg	409	34.7	1	01/25/18 15:00	01/29/18 18:57	121-14-2	
2,6-Dinitrotoluene	**<42.1**	ug/kg	409	42.1	1	01/25/18 15:00	01/29/18 18:57	606-20-2	
Di-n-octylphthalate	**<48.3**	ug/kg	409	48.3	1	01/25/18 15:00	01/29/18 18:57	117-84-0	
bis(2-Ethylhexyl)phthalate	**<141**	ug/kg	409	141	1	01/25/18 15:00	01/29/18 18:57	117-81-7	
Fluoranthene	**<38.4**	ug/kg	409	38.4	1	01/25/18 15:00	01/29/18 18:57	206-44-0	
Fluorene	**<38.4**	ug/kg	409	38.4	1	01/25/18 15:00	01/29/18 18:57	86-73-7	
Hexachloro-1,3-butadiene	**<40.9**	ug/kg	409	40.9	1	01/25/18 15:00	01/29/18 18:57	87-68-3	
Hexachlorobenzene	**<39.6**	ug/kg	409	39.6	1	01/25/18 15:00	01/29/18 18:57	118-74-1	
Hexachlorocyclopentadiene	**<86.7**	ug/kg	409	86.7	1	01/25/18 15:00	01/29/18 18:57	77-47-4	
Hexachloroethane	**<31.0**	ug/kg	409	31.0	1	01/25/18 15:00	01/29/18 18:57	67-72-1	
Indeno(1,2,3-cd)pyrene	**<44.6**	ug/kg	409	44.6	1	01/25/18 15:00	01/29/18 18:57	193-39-5	
Isophorone	**<37.1**	ug/kg	409	37.1	1	01/25/18 15:00	01/29/18 18:57	78-59-1	
2-Methylnaphthalene	**<29.7**	ug/kg	409	29.7	1	01/25/18 15:00	01/29/18 18:57	91-57-6	
2-Methylphenol(o-Cresol)	**<38.4**	ug/kg	409	38.4	1	01/25/18 15:00	01/29/18 18:57	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<44.6**	ug/kg	409	44.6	1	01/25/18 15:00	01/29/18 18:57		
Naphthalene	**<32.2**	ug/kg	409	32.2	1	01/25/18 15:00	01/29/18 18:57	91-20-3	
2-Nitroaniline	**<69.3**	ug/kg	817	69.3	1	01/25/18 15:00	01/29/18 18:57	88-74-4	
3-Nitroaniline	**<124**	ug/kg	817	124	1	01/25/18 15:00	01/29/18 18:57	99-09-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-5 (0-1) **Lab ID: 60262644003** Collected: 01/23/18 10:20 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<105**	ug/kg	817	105	1	01/25/18 15:00	01/29/18 18:57	100-01-6	
Nitrobenzene	**<38.4**	ug/kg	409	38.4	1	01/25/18 15:00	01/29/18 18:57	98-95-3	
2-Nitrophenol	**<57.0**	ug/kg	409	57.0	1	01/25/18 15:00	01/29/18 18:57	88-75-5	
4-Nitrophenol	**<64.4**	ug/kg	2070	64.4	1	01/25/18 15:00	01/29/18 18:57	100-02-7	
N-Nitroso-di-n-propylamine	**<40.9**	ug/kg	409	40.9	1	01/25/18 15:00	01/29/18 18:57	621-64-7	
N-Nitrosodiphenylamine	**<32.2**	ug/kg	409	32.2	1	01/25/18 15:00	01/29/18 18:57	86-30-6	
Pentachlorophenol	**<38.4**	ug/kg	2070	38.4	1	01/25/18 15:00	01/29/18 18:57	87-86-5	
Phenanthrene	**<38.4**	ug/kg	409	38.4	1	01/25/18 15:00	01/29/18 18:57	85-01-8	
Phenol	**<32.2**	ug/kg	409	32.2	1	01/25/18 15:00	01/29/18 18:57	108-95-2	
Pyrene	**<40.9**	ug/kg	409	40.9	1	01/25/18 15:00	01/29/18 18:57	129-00-0	
Pyridine	**<33.4**	ug/kg	409	33.4	1	01/25/18 15:00	01/29/18 18:57	110-86-1	
1,2,4-Trichlorobenzene	**<37.1**	ug/kg	409	37.1	1	01/25/18 15:00	01/29/18 18:57	120-82-1	
2,4,5-Trichlorophenol	**<37.1**	ug/kg	409	37.1	1	01/25/18 15:00	01/29/18 18:57	95-95-4	
2,4,6-Trichlorophenol	**<38.4**	ug/kg	409	38.4	1	01/25/18 15:00	01/29/18 18:57	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	70	%	41-114		1	01/25/18 15:00	01/29/18 18:57	4165-60-0	
2-Fluorobiphenyl (S)	74	%	61-109		1	01/25/18 15:00	01/29/18 18:57	321-60-8	
Terphenyl-d14 (S)	77	%	48-120		1	01/25/18 15:00	01/29/18 18:57	1718-51-0	
Phenol-d6 (S)	70	%	48-102		1	01/25/18 15:00	01/29/18 18:57	13127-88-3	
2-Fluorophenol (S)	66	%	46-102		1	01/25/18 15:00	01/29/18 18:57	367-12-4	
2,4,6-Tribromophenol (S)	77	%	39-114		1	01/25/18 15:00	01/29/18 18:57	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**27.2**	mg/kg	18.3	1.5	1	01/25/18 15:00	01/27/18 14:33		B
TPH-DRO	**7.0J**	mg/kg	18.3	1.5	1	01/25/18 15:00	01/27/18 14:33		
Surrogates									
Nitrobenzene-d5 (S)	91	%	41-114		1	01/25/18 15:00	01/27/18 14:33	4165-60-0	
2-Fluorobiphenyl (S)	79	%	61-109		1	01/25/18 15:00	01/27/18 14:33	321-60-8	
Terphenyl-d14 (S)	69	%	48-120		1	01/25/18 15:00	01/27/18 14:33	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.31**	mg/kg	0.62	0.31	1		01/31/18 15:03		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**<12.3**	ug/kg	24.6	12.3	1		01/31/18 15:03	67-64-1	
Benzene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	71-43-2	
Bromobenzene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	108-86-1	
Bromochloromethane	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	74-97-5	
Bromodichloromethane	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	75-27-4	
Bromoform	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	75-25-2	
Bromomethane	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	74-83-9	
2-Butanone (MEK)	**<6.2**	ug/kg	12.3	6.2	1		01/31/18 15:03	78-93-3	
n-Butylbenzene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	104-51-8	
sec-Butylbenzene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	135-98-8	
tert-Butylbenzene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	98-06-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-5 (0-1) **Lab ID: 60262644003** Collected: 01/23/18 10:20 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	75-15-0	
Carbon tetrachloride	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	56-23-5	
Chlorobenzene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	108-90-7	
Chloroethane	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	75-00-3	
Chloroform	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	67-66-3	
Chloromethane	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	74-87-3	
2-Chlorotoluene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	95-49-8	
4-Chlorotoluene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	106-43-4	
1,2-Dibromo-3-chloropropane	**<6.2**	ug/kg	12.3	6.2	1		01/31/18 15:03	96-12-8	
Dibromochloromethane	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	124-48-1	
1,2-Dibromoethane (EDB)	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	106-93-4	
Dibromomethane	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	74-95-3	
1,2-Dichlorobenzene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	95-50-1	
1,3-Dichlorobenzene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	541-73-1	
1,4-Dichlorobenzene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	106-46-7	
Dichlorodifluoromethane	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	75-71-8	
1,1-Dichloroethane	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	75-34-3	
1,2-Dichloroethane	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	107-06-2	
1,2-Dichloroethene (Total)	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	540-59-0	
1,1-Dichloroethene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	75-35-4	
cis-1,2-Dichloroethene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	156-59-2	
trans-1,2-Dichloroethene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	156-60-5	L2
1,2-Dichloropropane	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	78-87-5	
1,3-Dichloropropane	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	142-28-9	
2,2-Dichloropropane	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	594-20-7	
1,1-Dichloropropene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	563-58-6	
cis-1,3-Dichloropropene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	10061-01-5	
trans-1,3-Dichloropropene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	10061-02-6	
Ethylbenzene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	100-41-4	
Hexachloro-1,3-butadiene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	87-68-3	
2-Hexanone	**<12.3**	ug/kg	24.6	12.3	1		01/31/18 15:03	591-78-6	
Isopropylbenzene (Cumene)	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	98-82-8	
p-Isopropyltoluene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	99-87-6	
Methylene chloride	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<6.2**	ug/kg	12.3	6.2	1		01/31/18 15:03	108-10-1	
Methyl-tert-butyl ether	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	1634-04-4	
Naphthalene	**<6.2**	ug/kg	12.3	6.2	1		01/31/18 15:03	91-20-3	
n-Propylbenzene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	103-65-1	
Styrene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	100-42-5	
1,1,1,2-Tetrachloroethane	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	630-20-6	
1,1,2,2-Tetrachloroethane	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	79-34-5	
Tetrachloroethene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	127-18-4	
Toluene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	108-88-3	
1,2,3-Trichlorobenzene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	87-61-6	
1,2,4-Trichlorobenzene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	120-82-1	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-5 (0-1) **Lab ID: 60262644003** Collected: 01/23/18 10:20 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	71-55-6	
1,1,2-Trichloroethane	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	79-00-5	
Trichloroethene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	79-01-6	
Trichlorofluoromethane	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	75-69-4	
1,2,3-Trichloropropane	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	96-18-4	
1,2,4-Trimethylbenzene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	95-63-6	
1,3,5-Trimethylbenzene	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	108-67-8	
Vinyl chloride	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	75-01-4	
Xylene (Total)	**<3.1**	ug/kg	6.2	3.1	1		01/31/18 15:03	1330-20-7	
Surrogates									
Toluene-d8 (S)	98	%	78-122		1		01/31/18 15:03	2037-26-5	
4-Bromofluorobenzene (S)	103	%	69-133		1		01/31/18 15:03	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	80-123		1		01/31/18 15:03	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**20.1**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**9.6**	Std. Units	0.10	0.10	1		01/30/18 10:40		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**1310**	mg/kg	126	62.8	10	02/05/18 08:00	02/06/18 02:19	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**25.4**	mg/kg	12.6	6.3	10	02/05/18 16:00	02/06/18 02:19	14797-55-8	
Nitrite as N	**<6.3**	mg/kg	12.6	6.3	10	02/05/18 16:00	02/06/18 02:19	14797-65-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-5 (3-5) **Lab ID: 60262644004** Collected: 01/23/18 10:30 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.68**	ug/kg	1.9	0.68	1	01/29/18 08:55	01/29/18 20:53	309-00-2	
alpha-BHC	**<0.30**	ug/kg	1.9	0.30	1	01/29/18 08:55	01/29/18 20:53	319-84-6	
beta-BHC	**<1.0**	ug/kg	3.2	1.0	1	01/29/18 08:55	01/29/18 20:53	319-85-7	
delta-BHC	**<0.92**	ug/kg	2.7	0.92	1	01/29/18 08:55	01/29/18 20:53	319-86-8	
gamma-BHC (Lindane)	**<0.87**	ug/kg	2.7	0.87	1	01/29/18 08:55	01/29/18 20:53	58-89-9	
Chlordane (Technical)	**<54.2**	ug/kg	289	54.2	1	01/29/18 08:55	01/29/18 20:53	57-74-9	
alpha-Chlordane	**<0.77**	ug/kg	3.2	0.77	1	01/29/18 08:55	01/29/18 20:53	5103-71-9	
gamma-Chlordane	**<1.3**	ug/kg	3.2	1.3	1	01/29/18 08:55	01/29/18 20:53	5103-74-2	
4,4'-DDD	**<0.63**	ug/kg	1.9	0.63	1	01/29/18 08:55	01/29/18 20:53	72-54-8	
4,4'-DDE	**<0.60**	ug/kg	1.9	0.60	1	01/29/18 08:55	01/29/18 20:53	72-55-9	
4,4'-DDT	**<1.2**	ug/kg	2.7	1.2	1	01/29/18 08:55	01/29/18 20:53	50-29-3	
Dieldrin	**<0.84**	ug/kg	2.7	0.84	1	01/29/18 08:55	01/29/18 20:53	60-57-1	
Endosulfan I	**<0.89**	ug/kg	2.7	0.89	1	01/29/18 08:55	01/29/18 20:53	959-98-8	
Endosulfan II	**<0.62**	ug/kg	1.9	0.62	1	01/29/18 08:55	01/29/18 20:53	33213-65-9	
Endosulfan sulfate	**<0.89**	ug/kg	2.7	0.89	1	01/29/18 08:55	01/29/18 20:53	1031-07-8	
Endrin	**<0.89**	ug/kg	3.2	0.89	1	01/29/18 08:55	01/29/18 20:53	72-20-8	
Endrin aldehyde	**<0.89**	ug/kg	2.7	0.89	1	01/29/18 08:55	01/29/18 20:53	7421-93-4	
Endrin ketone	**<1.1**	ug/kg	3.9	1.1	1	01/29/18 08:55	01/29/18 20:53	53494-70-5	
Heptachlor	**<1.5**	ug/kg	3.9	1.5	1	01/29/18 08:55	01/29/18 20:53	76-44-8	
Heptachlor epoxide	**<3.9**	ug/kg	9.6	3.9	1	01/29/18 08:55	01/29/18 20:53	1024-57-3	
Methoxychlor	**<1.1**	ug/kg	3.9	1.1	1	01/29/18 08:55	01/29/18 20:53	72-43-5	
Toxaphene	**<100**	ug/kg	289	100	1	01/29/18 08:55	01/29/18 20:53	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	85	%.	70-130		1	01/29/18 08:55	01/29/18 20:53	877-09-8	
Decachlorobiphenyl (S)	81	%.	70-130		1	01/29/18 08:55	01/29/18 20:53	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<6.4**	ug/kg	12.8	6.4	1	01/29/18 08:55	02/01/18 23:50	22248-79-9	
Azinphos, methyl (Guthion)	**<6.4**	ug/kg	12.8	6.4	1	01/29/18 08:55	02/01/18 23:50	86-50-0	
Bolstar	**<6.4**	ug/kg	12.8	6.4	1	01/29/18 08:55	02/01/18 23:50	35400-43-2	
Chlorpyrifos	**<6.4**	ug/kg	12.8	6.4	1	01/29/18 08:55	02/01/18 23:50	2921-88-2	
Coumaphos	**<6.4**	ug/kg	12.8	6.4	1	01/29/18 08:55	02/01/18 23:50	56-72-4	
Diazinon	**<6.4**	ug/kg	12.8	6.4	1	01/29/18 08:55	02/01/18 23:50	333-41-5	
Dichlorvos	**<3.2**	ug/kg	6.4	3.2	1	01/29/18 08:55	02/01/18 23:50	62-73-7	
Dimethoate	**<6.4**	ug/kg	12.8	6.4	1	01/29/18 08:55	02/01/18 23:50	60-51-5	
Disulfoton	**<3.2**	ug/kg	6.4	3.2	1	01/29/18 08:55	02/01/18 23:50	298-04-4	
EPN (ENT)	**<4.1**	ug/kg	6.4	4.1	1	01/29/18 08:55	02/01/18 23:50	2104-64-5	
Ethoprop	**<3.2**	ug/kg	6.4	3.2	1	01/29/18 08:55	02/01/18 23:50	13194-48-4	
Fensulfothion	**<6.4**	ug/kg	12.8	6.4	1	01/29/18 08:55	02/01/18 23:50	115-90-2	
Fenthion	**<3.2**	ug/kg	6.4	3.2	1	01/29/18 08:55	02/01/18 23:50	55-38-9	
Malathion	**<6.4**	ug/kg	12.8	6.4	1	01/29/18 08:55	02/01/18 23:50	121-75-5	
Methyl parathion	**<3.2**	ug/kg	6.4	3.2	1	01/29/18 08:55	02/01/18 23:50	298-00-0	
Mevinphos	**<3.8**	ug/kg	6.4	3.8	1	01/29/18 08:55	02/01/18 23:50	7786-34-7	
Parathion (Ethyl parathion)	**<6.4**	ug/kg	12.8	6.4	1	01/29/18 08:55	02/01/18 23:50	56-38-2	
Phorate	**<3.2**	ug/kg	6.4	3.2	1	01/29/18 08:55	02/01/18 23:50	298-02-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-5 (3-5) **Lab ID: 60262644004** Collected: 01/23/18 10:30 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<3.2**	ug/kg	6.4	3.2	1	01/29/18 08:55	02/01/18 23:50	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<3.2**	ug/kg	6.4	3.2	1	01/29/18 08:55	02/01/18 23:50	3689-24-5	
Tokuthion (Prothiofos)	**<3.2**	ug/kg	6.4	3.2	1	01/29/18 08:55	02/01/18 23:50	34643-46-4	
Trichloronate	**<6.4**	ug/kg	12.8	6.4	1	01/29/18 08:55	02/01/18 23:50	327-98-0	
Total Demeton	**<5.3**	ug/kg	6.4	5.3	1	01/29/18 08:55	02/01/18 23:50	8065-48-3	N2
Total Merphos	**<6.4**	ug/kg	25.7	6.4	1	01/29/18 08:55	02/01/18 23:50	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	94	%.	11-137		1	01/29/18 08:55	02/01/18 23:50	115-86-6	
Tributylphosphate (S)	145	%.	17-125		1	01/29/18 08:55	02/01/18 23:50	126-73-8	S3
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/31/18 15:19	94-75-7	
Dalapon	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/31/18 15:19	75-99-0	
2,4-DB	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/31/18 15:19	94-82-6	
Dicamba	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/31/18 15:19	1918-00-9	
Dichloroprop	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/31/18 15:19	15165-67-0	
Dinoseb	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/31/18 15:19	88-85-7	CH
MCPA	**<314**	ug/kg	314	314	1	01/29/18 16:21	01/31/18 15:19	94-74-6	
MCPP	**<314**	ug/kg	314	314	1	01/29/18 16:21	01/31/18 15:19	7085-19-0	
2,4,5-T	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/31/18 15:19	93-76-5	
2,4,5-TP (Silvex)	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/31/18 15:19	93-72-1	
Surrogates									
2,4-DCAA (S)	12	%.	10-188		1	01/29/18 16:21	01/31/18 00:02	19719-28-9	
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**6.5**	mg/kg	1.1	0.46	1	01/30/18 14:45	02/01/18 17:26	7440-38-2	
Barium	**231**	mg/kg	0.56	0.035	1	01/30/18 14:45	02/01/18 17:26	7440-39-3	
Cadmium	**0.25J**	mg/kg	0.56	0.041	1	01/30/18 14:45	02/01/18 17:26	7440-43-9	
Chromium	**17.8**	mg/kg	0.56	0.11	1	01/30/18 14:45	02/01/18 17:26	7440-47-3	
Lead	**20.2**	mg/kg	0.56	0.23	1	01/30/18 14:45	02/01/18 17:26	7439-92-1	
Selenium	**<0.84**	mg/kg	1.7	0.84	1	01/30/18 14:45	02/01/18 17:26	7782-49-2	
Silver	**<0.19**	mg/kg	0.78	0.19	1	01/30/18 14:45	02/01/18 17:26	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.35**	mg/kg	0.059	0.0078	1	01/25/18 09:26	01/25/18 12:03	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<45.1**	ug/kg	425	45.1	1	01/25/18 15:00	01/29/18 19:19	83-32-9	
Acenaphthylene	**<39.9**	ug/kg	425	39.9	1	01/25/18 15:00	01/29/18 19:19	208-96-8	
Anthracene	**<45.1**	ug/kg	425	45.1	1	01/25/18 15:00	01/29/18 19:19	120-12-7	
Benzo(a)anthracene	**<38.7**	ug/kg	425	38.7	1	01/25/18 15:00	01/29/18 19:19	56-55-3	
Benzo(a)pyrene	**<33.5**	ug/kg	425	33.5	1	01/25/18 15:00	01/29/18 19:19	50-32-8	
Benzo(b)fluoranthene	**<29.6**	ug/kg	425	29.6	1	01/25/18 15:00	01/29/18 19:19	205-99-2	
Benzo(g,h,i)perylene	**<41.2**	ug/kg	425	41.2	1	01/25/18 15:00	01/29/18 19:19	191-24-2	
Benzo(k)fluoranthene	**<50.2**	ug/kg	425	50.2	1	01/25/18 15:00	01/29/18 19:19	207-08-9	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-5 (3-5) **Lab ID: 60262644004** Collected: 01/23/18 10:30 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<39.9**	ug/kg	2150	39.9	1	01/25/18 15:00	01/29/18 19:19	65-85-0	
Benzyl alcohol	**<133**	ug/kg	850	133	1	01/25/18 15:00	01/29/18 19:19	100-51-6	
4-Bromophenylphenyl ether	**<33.5**	ug/kg	425	33.5	1	01/25/18 15:00	01/29/18 19:19	101-55-3	
Butylbenzylphthalate	**<55.4**	ug/kg	425	55.4	1	01/25/18 15:00	01/29/18 19:19	85-68-7	
Carbazole	**<34.8**	ug/kg	425	34.8	1	01/25/18 15:00	01/29/18 19:19	86-74-8	
4-Chloro-3-methylphenol	**<46.4**	ug/kg	850	46.4	1	01/25/18 15:00	01/29/18 19:19	59-50-7	
4-Chloroaniline	**<83.7**	ug/kg	850	83.7	1	01/25/18 15:00	01/29/18 19:19	106-47-8	
bis(2-Chloroethoxy)methane	**<33.5**	ug/kg	425	33.5	1	01/25/18 15:00	01/29/18 19:19	111-91-1	
bis(2-Chloroethyl) ether	**<33.5**	ug/kg	425	33.5	1	01/25/18 15:00	01/29/18 19:19	111-44-4	
bis(2-Chloroisopropyl) ether	**<33.5**	ug/kg	425	33.5	1	01/25/18 15:00	01/29/18 19:19	39638-32-9	
2-Chloronaphthalene	**<36.1**	ug/kg	425	36.1	1	01/25/18 15:00	01/29/18 19:19	91-58-7	
2-Chlorophenol	**<34.8**	ug/kg	425	34.8	1	01/25/18 15:00	01/29/18 19:19	95-57-8	
4-Chlorophenylphenyl ether	**<41.2**	ug/kg	425	41.2	1	01/25/18 15:00	01/29/18 19:19	7005-72-3	
Chrysene	**<36.1**	ug/kg	425	36.1	1	01/25/18 15:00	01/29/18 19:19	218-01-9	
Dibenz(a,h)anthracene	**<38.7**	ug/kg	425	38.7	1	01/25/18 15:00	01/29/18 19:19	53-70-3	
Dibenzofuran	**<38.7**	ug/kg	425	38.7	1	01/25/18 15:00	01/29/18 19:19	132-64-9	
1,2-Dichlorobenzene	**<32.2**	ug/kg	425	32.2	1	01/25/18 15:00	01/29/18 19:19	95-50-1	
1,3-Dichlorobenzene	**<36.1**	ug/kg	425	36.1	1	01/25/18 15:00	01/29/18 19:19	541-73-1	
1,4-Dichlorobenzene	**<37.4**	ug/kg	425	37.4	1	01/25/18 15:00	01/29/18 19:19	106-46-7	
3,3'-Dichlorobenzidine	**<146**	ug/kg	850	146	1	01/25/18 15:00	01/29/18 19:19	91-94-1	
2,4-Dichlorophenol	**<38.7**	ug/kg	425	38.7	1	01/25/18 15:00	01/29/18 19:19	120-83-2	
Diethylphthalate	**<39.9**	ug/kg	425	39.9	1	01/25/18 15:00	01/29/18 19:19	84-66-2	
2,4-Dimethylphenol	**<23.2**	ug/kg	425	23.2	1	01/25/18 15:00	01/29/18 19:19	105-67-9	
Dimethylphthalate	**<41.2**	ug/kg	425	41.2	1	01/25/18 15:00	01/29/18 19:19	131-11-3	
Di-n-butylphthalate	**<45.1**	ug/kg	425	45.1	1	01/25/18 15:00	01/29/18 19:19	84-74-2	
4,6-Dinitro-2-methylphenol	**<56.7**	ug/kg	2150	56.7	1	01/25/18 15:00	01/29/18 19:19	534-52-1	
2,4-Dinitrophenol	**<61.8**	ug/kg	2150	61.8	1	01/25/18 15:00	01/29/18 19:19	51-28-5	
2,4-Dinitrotoluene	**<36.1**	ug/kg	425	36.1	1	01/25/18 15:00	01/29/18 19:19	121-14-2	
2,6-Dinitrotoluene	**<43.8**	ug/kg	425	43.8	1	01/25/18 15:00	01/29/18 19:19	606-20-2	
Di-n-octylphthalate	**<50.2**	ug/kg	425	50.2	1	01/25/18 15:00	01/29/18 19:19	117-84-0	
bis(2-Ethylhexyl)phthalate	**<147**	ug/kg	425	147	1	01/25/18 15:00	01/29/18 19:19	117-81-7	
Fluoranthene	**<39.9**	ug/kg	425	39.9	1	01/25/18 15:00	01/29/18 19:19	206-44-0	
Fluorene	**<39.9**	ug/kg	425	39.9	1	01/25/18 15:00	01/29/18 19:19	86-73-7	
Hexachloro-1,3-butadiene	**<42.5**	ug/kg	425	42.5	1	01/25/18 15:00	01/29/18 19:19	87-68-3	
Hexachlorobenzene	**<41.2**	ug/kg	425	41.2	1	01/25/18 15:00	01/29/18 19:19	118-74-1	
Hexachlorocyclopentadiene	**<90.2**	ug/kg	425	90.2	1	01/25/18 15:00	01/29/18 19:19	77-47-4	
Hexachloroethane	**<32.2**	ug/kg	425	32.2	1	01/25/18 15:00	01/29/18 19:19	67-72-1	
Indeno(1,2,3-cd)pyrene	**<46.4**	ug/kg	425	46.4	1	01/25/18 15:00	01/29/18 19:19	193-39-5	
Isophorone	**<38.7**	ug/kg	425	38.7	1	01/25/18 15:00	01/29/18 19:19	78-59-1	
2-Methylnaphthalene	**<30.9**	ug/kg	425	30.9	1	01/25/18 15:00	01/29/18 19:19	91-57-6	
2-Methylphenol(o-Cresol)	**<39.9**	ug/kg	425	39.9	1	01/25/18 15:00	01/29/18 19:19	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<46.4**	ug/kg	425	46.4	1	01/25/18 15:00	01/29/18 19:19		
Naphthalene	**<33.5**	ug/kg	425	33.5	1	01/25/18 15:00	01/29/18 19:19	91-20-3	
2-Nitroaniline	**<72.2**	ug/kg	850	72.2	1	01/25/18 15:00	01/29/18 19:19	88-74-4	
3-Nitroaniline	**<129**	ug/kg	850	129	1	01/25/18 15:00	01/29/18 19:19	99-09-2	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-5 (3-5) **Lab ID: 60262644004** Collected: 01/23/18 10:30 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<110**	ug/kg	850	110	1	01/25/18 15:00	01/29/18 19:19	100-01-6	
Nitrobenzene	**<39.9**	ug/kg	425	39.9	1	01/25/18 15:00	01/29/18 19:19	98-95-3	
2-Nitrophenol	**<59.3**	ug/kg	425	59.3	1	01/25/18 15:00	01/29/18 19:19	88-75-5	
4-Nitrophenol	**<67.0**	ug/kg	2150	67.0	1	01/25/18 15:00	01/29/18 19:19	100-02-7	
N-Nitroso-di-n-propylamine	**<42.5**	ug/kg	425	42.5	1	01/25/18 15:00	01/29/18 19:19	621-64-7	
N-Nitrosodiphenylamine	**<33.5**	ug/kg	425	33.5	1	01/25/18 15:00	01/29/18 19:19	86-30-6	
Pentachlorophenol	**<39.9**	ug/kg	2150	39.9	1	01/25/18 15:00	01/29/18 19:19	87-86-5	
Phenanthrene	**<39.9**	ug/kg	425	39.9	1	01/25/18 15:00	01/29/18 19:19	85-01-8	
Phenol	**<33.5**	ug/kg	425	33.5	1	01/25/18 15:00	01/29/18 19:19	108-95-2	
Pyrene	**<42.5**	ug/kg	425	42.5	1	01/25/18 15:00	01/29/18 19:19	129-00-0	
Pyridine	**<34.8**	ug/kg	425	34.8	1	01/25/18 15:00	01/29/18 19:19	110-86-1	
1,2,4-Trichlorobenzene	**<38.7**	ug/kg	425	38.7	1	01/25/18 15:00	01/29/18 19:19	120-82-1	
2,4,5-Trichlorophenol	**<38.7**	ug/kg	425	38.7	1	01/25/18 15:00	01/29/18 19:19	95-95-4	
2,4,6-Trichlorophenol	**<39.9**	ug/kg	425	39.9	1	01/25/18 15:00	01/29/18 19:19	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	67	%	41-114		1	01/25/18 15:00	01/29/18 19:19	4165-60-0	
2-Fluorobiphenyl (S)	70	%	61-109		1	01/25/18 15:00	01/29/18 19:19	321-60-8	
Terphenyl-d14 (S)	73	%	48-120		1	01/25/18 15:00	01/29/18 19:19	1718-51-0	
Phenol-d6 (S)	67	%	48-102		1	01/25/18 15:00	01/29/18 19:19	13127-88-3	
2-Fluorophenol (S)	64	%	46-102		1	01/25/18 15:00	01/29/18 19:19	367-12-4	
2,4,6-Tribromophenol (S)	60	%	39-114		1	01/25/18 15:00	01/29/18 19:19	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**18.9J**	mg/kg	19.3	1.5	1	01/25/18 15:00	01/27/18 14:54		B
TPH-DRO	**5.7J**	mg/kg	19.3	1.5	1	01/25/18 15:00	01/27/18 14:54		
Surrogates									
Nitrobenzene-d5 (S)	111	%	41-114		1	01/25/18 15:00	01/27/18 14:54	4165-60-0	
2-Fluorobiphenyl (S)	109	%	61-109		1	01/25/18 15:00	01/27/18 14:54	321-60-8	
Terphenyl-d14 (S)	76	%	48-120		1	01/25/18 15:00	01/27/18 14:54	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.33**	mg/kg	0.67	0.33	1		01/31/18 15:19		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**<13.4**	ug/kg	26.7	13.4	1		01/31/18 15:19	67-64-1	
Benzene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	71-43-2	
Bromobenzene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	108-86-1	
Bromochloromethane	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	74-97-5	
Bromodichloromethane	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	75-27-4	
Bromoform	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	75-25-2	
Bromomethane	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	74-83-9	
2-Butanone (MEK)	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 15:19	78-93-3	
n-Butylbenzene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	104-51-8	
sec-Butylbenzene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	135-98-8	
tert-Butylbenzene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	98-06-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-5 (3-5) **Lab ID: 60262644004** Collected: 01/23/18 10:30 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	75-15-0	
Carbon tetrachloride	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	56-23-5	
Chlorobenzene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	108-90-7	
Chloroethane	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	75-00-3	
Chloroform	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	67-66-3	
Chloromethane	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	74-87-3	
2-Chlorotoluene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	95-49-8	
4-Chlorotoluene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	106-43-4	
1,2-Dibromo-3-chloropropane	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 15:19	96-12-8	
Dibromochloromethane	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	124-48-1	
1,2-Dibromoethane (EDB)	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	106-93-4	
Dibromomethane	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	74-95-3	
1,2-Dichlorobenzene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	95-50-1	
1,3-Dichlorobenzene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	541-73-1	
1,4-Dichlorobenzene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	106-46-7	
Dichlorodifluoromethane	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	75-71-8	
1,1-Dichloroethane	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	75-34-3	
1,2-Dichloroethane	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	107-06-2	
1,2-Dichloroethene (Total)	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	540-59-0	
1,1-Dichloroethene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	75-35-4	
cis-1,2-Dichloroethene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	156-59-2	
trans-1,2-Dichloroethene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	156-60-5	L2
1,2-Dichloropropane	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	78-87-5	
1,3-Dichloropropane	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	142-28-9	
2,2-Dichloropropane	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	594-20-7	
1,1-Dichloropropene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	563-58-6	
cis-1,3-Dichloropropene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	10061-01-5	
trans-1,3-Dichloropropene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	10061-02-6	
Ethylbenzene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	100-41-4	
Hexachloro-1,3-butadiene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	87-68-3	
2-Hexanone	**<13.4**	ug/kg	26.7	13.4	1		01/31/18 15:19	591-78-6	
Isopropylbenzene (Cumene)	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	98-82-8	
p-Isopropyltoluene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	99-87-6	
Methylene chloride	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 15:19	108-10-1	
Methyl-tert-butyl ether	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	1634-04-4	
Naphthalene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 15:19	91-20-3	
n-Propylbenzene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	103-65-1	
Styrene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	100-42-5	
1,1,1,2-Tetrachloroethane	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	630-20-6	
1,1,2,2-Tetrachloroethane	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	79-34-5	
Tetrachloroethene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	127-18-4	
Toluene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	108-88-3	
1,2,3-Trichlorobenzene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	87-61-6	
1,2,4-Trichlorobenzene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	120-82-1	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-5 (3-5) **Lab ID: 60262644004** Collected: 01/23/18 10:30 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	71-55-6	
1,1,2-Trichloroethane	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	79-00-5	
Trichloroethene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	79-01-6	
Trichlorofluoromethane	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	75-69-4	
1,2,3-Trichloropropane	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	96-18-4	
1,2,4-Trimethylbenzene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	95-63-6	
1,3,5-Trimethylbenzene	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	108-67-8	
Vinyl chloride	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	75-01-4	
Xylene (Total)	**<3.3**	ug/kg	6.7	3.3	1		01/31/18 15:19	1330-20-7	
Surrogates									
Toluene-d8 (S)	101	%	78-122		1		01/31/18 15:19	2037-26-5	
4-Bromofluorobenzene (S)	106	%	69-133		1		01/31/18 15:19	460-00-4	
1,2-Dichloroethane-d4 (S)	116	%	80-123		1		01/31/18 15:19	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**22.8**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.8**	Std. Units	0.10	0.10	1		01/30/18 10:40		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**987**	mg/kg	131	65.5	10	02/05/18 08:00	02/06/18 03:01	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**31.4**	mg/kg	13.1	6.5	10	02/05/18 16:00	02/06/18 03:01	14797-55-8	
Nitrite as N	**<6.5**	mg/kg	13.1	6.5	10	02/05/18 16:00	02/06/18 03:01	14797-65-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-6 (0-1) **Lab ID: 60262644005** Collected: 01/23/18 12:30 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.53**	ug/kg	1.5	0.53	1	01/29/18 08:55	01/30/18 15:46	309-00-2	
alpha-BHC	**<0.24**	ug/kg	1.5	0.24	1	01/29/18 08:55	01/30/18 15:46	319-84-6	
beta-BHC	**<0.79**	ug/kg	2.5	0.79	1	01/29/18 08:55	01/30/18 15:46	319-85-7	
delta-BHC	**<0.72**	ug/kg	2.1	0.72	1	01/29/18 08:55	01/30/18 15:46	319-86-8	
gamma-BHC (Lindane)	**<0.67**	ug/kg	2.1	0.67	1	01/29/18 08:55	01/30/18 15:46	58-89-9	
Chlordane (Technical)	**<42.3**	ug/kg	225	42.3	1	01/29/18 08:55	01/30/18 15:46	57-74-9	
alpha-Chlordane	**<0.60**	ug/kg	2.5	0.60	1	01/29/18 08:55	01/30/18 15:46	5103-71-9	
gamma-Chlordane	**<1.0**	ug/kg	2.5	1.0	1	01/29/18 08:55	01/30/18 15:46	5103-74-2	
4,4'-DDD	**<0.49**	ug/kg	1.5	0.49	1	01/29/18 08:55	01/30/18 15:46	72-54-8	
4,4'-DDE	**<0.47**	ug/kg	1.5	0.47	1	01/29/18 08:55	01/30/18 15:46	72-55-9	
4,4'-DDT	**<0.97**	ug/kg	2.1	0.97	1	01/29/18 08:55	01/30/18 15:46	50-29-3	
Dieldrin	**<0.65**	ug/kg	2.1	0.65	1	01/29/18 08:55	01/30/18 15:46	60-57-1	
Endosulfan I	**<0.70**	ug/kg	2.1	0.70	1	01/29/18 08:55	01/30/18 15:46	959-98-8	
Endosulfan II	**<0.48**	ug/kg	1.5	0.48	1	01/29/18 08:55	01/30/18 15:46	33213-65-9	
Endosulfan sulfate	**<0.69**	ug/kg	2.1	0.69	1	01/29/18 08:55	01/30/18 15:46	1031-07-8	
Endrin	**<0.70**	ug/kg	2.5	0.70	1	01/29/18 08:55	01/30/18 15:46	72-20-8	
Endrin aldehyde	**<0.70**	ug/kg	2.1	0.70	1	01/29/18 08:55	01/30/18 15:46	7421-93-4	
Endrin ketone	**<0.83**	ug/kg	3.0	0.83	1	01/29/18 08:55	01/30/18 15:46	53494-70-5	
Heptachlor	**<1.1**	ug/kg	3.0	1.1	1	01/29/18 08:55	01/30/18 15:46	76-44-8	
Heptachlor epoxide	**<3.0**	ug/kg	7.5	3.0	1	01/29/18 08:55	01/30/18 15:46	1024-57-3	
Methoxychlor	**<0.86**	ug/kg	3.0	0.86	1	01/29/18 08:55	01/30/18 15:46	72-43-5	
Toxaphene	**<77.9**	ug/kg	225	77.9	1	01/29/18 08:55	01/30/18 15:46	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	84	%.	70-130		1	01/29/18 08:55	01/30/18 15:46	877-09-8	
Decachlorobiphenyl (S)	74	%.	70-130		1	01/29/18 08:55	01/30/18 15:46	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<5.0**	ug/kg	10.0	5.0	1	01/29/18 08:55	02/02/18 21:32	22248-79-9	
Azinphos, methyl (Guthion)	**<5.0**	ug/kg	10.0	5.0	1	01/29/18 08:55	02/02/18 21:32	86-50-0	
Bolstar	**<5.0**	ug/kg	10.0	5.0	1	01/29/18 08:55	02/02/18 21:32	35400-43-2	
Chlorpyrifos	**<5.0**	ug/kg	10.0	5.0	1	01/29/18 08:55	02/02/18 21:32	2921-88-2	
Coumaphos	**<5.0**	ug/kg	10.0	5.0	1	01/29/18 08:55	02/02/18 21:32	56-72-4	
Diazinon	**<5.0**	ug/kg	10.0	5.0	1	01/29/18 08:55	02/02/18 21:32	333-41-5	
Dichlorvos	**<2.5**	ug/kg	5.0	2.5	1	01/29/18 08:55	02/02/18 21:32	62-73-7	
Dimethoate	**<5.0**	ug/kg	10.0	5.0	1	01/29/18 08:55	02/02/18 21:32	60-51-5	
Disulfoton	**<2.5**	ug/kg	5.0	2.5	1	01/29/18 08:55	02/02/18 21:32	298-04-4	
EPN (ENT)	**<3.2**	ug/kg	5.0	3.2	1	01/29/18 08:55	02/02/18 21:32	2104-64-5	
Ethoprop	**<2.5**	ug/kg	5.0	2.5	1	01/29/18 08:55	02/02/18 21:32	13194-48-4	
Fensulfothion	**<5.0**	ug/kg	10.0	5.0	1	01/29/18 08:55	02/02/18 21:32	115-90-2	
Fenthion	**<2.5**	ug/kg	5.0	2.5	1	01/29/18 08:55	02/02/18 21:32	55-38-9	
Malathion	**<5.0**	ug/kg	10.0	5.0	1	01/29/18 08:55	02/02/18 21:32	121-75-5	
Methyl parathion	**<2.5**	ug/kg	5.0	2.5	1	01/29/18 08:55	02/02/18 21:32	298-00-0	
Mevinphos	**<3.0**	ug/kg	5.0	3.0	1	01/29/18 08:55	02/02/18 21:32	7786-34-7	
Parathion (Ethyl parathion)	**<5.0**	ug/kg	10.0	5.0	1	01/29/18 08:55	02/02/18 21:32	56-38-2	
Phorate	**<2.5**	ug/kg	5.0	2.5	1	01/29/18 08:55	02/02/18 21:32	298-02-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-6 (0-1) **Lab ID: 60262644005** Collected: 01/23/18 12:30 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<2.5**	ug/kg	5.0	2.5	1	01/29/18 08:55	02/02/18 21:32	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<2.5**	ug/kg	5.0	2.5	1	01/29/18 08:55	02/02/18 21:32	3689-24-5	
Tokuthion (Prothiofos)	**<2.5**	ug/kg	5.0	2.5	1	01/29/18 08:55	02/02/18 21:32	34643-46-4	
Trichloronate	**<5.0**	ug/kg	10.0	5.0	1	01/29/18 08:55	02/02/18 21:32	327-98-0	
Total Demeton	**<4.1**	ug/kg	5.0	4.1	1	01/29/18 08:55	02/02/18 21:32	8065-48-3	N2
Total Merphos	**<5.0**	ug/kg	20.0	5.0	1	01/29/18 08:55	02/02/18 21:32	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	92	%.	11-137		1	01/29/18 08:55	02/02/18 21:32	115-86-6	
Tributylphosphate (S)	126	%.	17-125		1	01/29/18 08:55	02/02/18 21:32	126-73-8	S3
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/31/18 15:44	94-75-7	
Dalapon	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/31/18 15:44	75-99-0	
2,4-DB	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/31/18 15:44	94-82-6	
Dicamba	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/31/18 15:44	1918-00-9	
Dichloroprop	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/31/18 15:44	15165-67-0	
Dinoseb	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/31/18 15:44	88-85-7	CH
MCPA	**<299**	ug/kg	299	299	1	01/29/18 16:21	01/31/18 15:44	94-74-6	
MCPP	**<299**	ug/kg	299	299	1	01/29/18 16:21	01/31/18 15:44	7085-19-0	
2,4,5-T	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/31/18 15:44	93-76-5	
2,4,5-TP (Silvex)	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/31/18 15:44	93-72-1	
Surrogates									
2,4-DCAA (S)	7	%.	10-188		1	01/29/18 16:21	01/31/18 15:44	19719-28-9	S1
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**7.5**	mg/kg	1.1	0.45	1	01/30/18 14:45	02/01/18 17:28	7440-38-2	
Barium	**229**	mg/kg	0.55	0.034	1	01/30/18 14:45	02/01/18 17:28	7440-39-3	
Cadmium	**1.2**	mg/kg	0.55	0.041	1	01/30/18 14:45	02/01/18 17:28	7440-43-9	
Chromium	**16.0**	mg/kg	0.55	0.11	1	01/30/18 14:45	02/01/18 17:28	7440-47-3	
Lead	**81.9**	mg/kg	0.55	0.23	1	01/30/18 14:45	02/01/18 17:28	7439-92-1	
Selenium	**<0.82**	mg/kg	1.6	0.82	1	01/30/18 14:45	02/01/18 17:28	7782-49-2	
Silver	**<0.18**	mg/kg	0.77	0.18	1	01/30/18 14:45	02/01/18 17:28	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.35**	mg/kg	0.048	0.0063	1	01/25/18 09:26	01/25/18 12:06	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<41.6**	ug/kg	392	41.6	1	01/25/18 15:00	01/29/18 19:40	83-32-9	
Acenaphthylene	**<36.8**	ug/kg	392	36.8	1	01/25/18 15:00	01/29/18 19:40	208-96-8	
Anthracene	**<41.6**	ug/kg	392	41.6	1	01/25/18 15:00	01/29/18 19:40	120-12-7	
Benzo(a)anthracene	**<35.6**	ug/kg	392	35.6	1	01/25/18 15:00	01/29/18 19:40	56-55-3	
Benzo(a)pyrene	**<30.9**	ug/kg	392	30.9	1	01/25/18 15:00	01/29/18 19:40	50-32-8	
Benzo(b)fluoranthene	**47.0J**	ug/kg	392	27.3	1	01/25/18 15:00	01/29/18 19:40	205-99-2	
Benzo(g,h,i)perylene	**<38.0**	ug/kg	392	38.0	1	01/25/18 15:00	01/29/18 19:40	191-24-2	
Benzo(k)fluoranthene	**<46.3**	ug/kg	392	46.3	1	01/25/18 15:00	01/29/18 19:40	207-08-9	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-6 (0-1) **Lab ID: 60262644005** Collected: 01/23/18 12:30 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<36.8**	ug/kg	1980	36.8	1	01/25/18 15:00	01/29/18 19:40	65-85-0	
Benzyl alcohol	**<122**	ug/kg	784	122	1	01/25/18 15:00	01/29/18 19:40	100-51-6	
4-Bromophenylphenyl ether	**<30.9**	ug/kg	392	30.9	1	01/25/18 15:00	01/29/18 19:40	101-55-3	
Butylbenzylphthalate	**<51.1**	ug/kg	392	51.1	1	01/25/18 15:00	01/29/18 19:40	85-68-7	
Carbazole	**<32.1**	ug/kg	392	32.1	1	01/25/18 15:00	01/29/18 19:40	86-74-8	
4-Chloro-3-methylphenol	**<42.8**	ug/kg	784	42.8	1	01/25/18 15:00	01/29/18 19:40	59-50-7	
4-Chloroaniline	**<77.2**	ug/kg	784	77.2	1	01/25/18 15:00	01/29/18 19:40	106-47-8	
bis(2-Chloroethoxy)methane	**<30.9**	ug/kg	392	30.9	1	01/25/18 15:00	01/29/18 19:40	111-91-1	
bis(2-Chloroethyl) ether	**<30.9**	ug/kg	392	30.9	1	01/25/18 15:00	01/29/18 19:40	111-44-4	
bis(2-Chloroisopropyl) ether	**<30.9**	ug/kg	392	30.9	1	01/25/18 15:00	01/29/18 19:40	39638-32-9	
2-Chloronaphthalene	**<33.3**	ug/kg	392	33.3	1	01/25/18 15:00	01/29/18 19:40	91-58-7	
2-Chlorophenol	**<32.1**	ug/kg	392	32.1	1	01/25/18 15:00	01/29/18 19:40	95-57-8	
4-Chlorophenylphenyl ether	**<38.0**	ug/kg	392	38.0	1	01/25/18 15:00	01/29/18 19:40	7005-72-3	
Chrysene	**<33.3**	ug/kg	392	33.3	1	01/25/18 15:00	01/29/18 19:40	218-01-9	
Dibenz(a,h)anthracene	**<35.6**	ug/kg	392	35.6	1	01/25/18 15:00	01/29/18 19:40	53-70-3	
Dibenzofuran	**<35.6**	ug/kg	392	35.6	1	01/25/18 15:00	01/29/18 19:40	132-64-9	
1,2-Dichlorobenzene	**<29.7**	ug/kg	392	29.7	1	01/25/18 15:00	01/29/18 19:40	95-50-1	
1,3-Dichlorobenzene	**<33.3**	ug/kg	392	33.3	1	01/25/18 15:00	01/29/18 19:40	541-73-1	
1,4-Dichlorobenzene	**<34.4**	ug/kg	392	34.4	1	01/25/18 15:00	01/29/18 19:40	106-46-7	
3,3'-Dichlorobenzidine	**<134**	ug/kg	784	134	1	01/25/18 15:00	01/29/18 19:40	91-94-1	
2,4-Dichlorophenol	**<35.6**	ug/kg	392	35.6	1	01/25/18 15:00	01/29/18 19:40	120-83-2	
Diethylphthalate	**<36.8**	ug/kg	392	36.8	1	01/25/18 15:00	01/29/18 19:40	84-66-2	
2,4-Dimethylphenol	**<21.4**	ug/kg	392	21.4	1	01/25/18 15:00	01/29/18 19:40	105-67-9	
Dimethylphthalate	**<38.0**	ug/kg	392	38.0	1	01/25/18 15:00	01/29/18 19:40	131-11-3	
Di-n-butylphthalate	**<41.6**	ug/kg	392	41.6	1	01/25/18 15:00	01/29/18 19:40	84-74-2	
4,6-Dinitro-2-methylphenol	**<52.3**	ug/kg	1980	52.3	1	01/25/18 15:00	01/29/18 19:40	534-52-1	
2,4-Dinitrophenol	**<57.0**	ug/kg	1980	57.0	1	01/25/18 15:00	01/29/18 19:40	51-28-5	
2,4-Dinitrotoluene	**<33.3**	ug/kg	392	33.3	1	01/25/18 15:00	01/29/18 19:40	121-14-2	
2,6-Dinitrotoluene	**<40.4**	ug/kg	392	40.4	1	01/25/18 15:00	01/29/18 19:40	606-20-2	
Di-n-octylphthalate	**<46.3**	ug/kg	392	46.3	1	01/25/18 15:00	01/29/18 19:40	117-84-0	
bis(2-Ethylhexyl)phthalate	**<135**	ug/kg	392	135	1	01/25/18 15:00	01/29/18 19:40	117-81-7	
Fluoranthene	**<36.8**	ug/kg	392	36.8	1	01/25/18 15:00	01/29/18 19:40	206-44-0	
Fluorene	**<36.8**	ug/kg	392	36.8	1	01/25/18 15:00	01/29/18 19:40	86-73-7	
Hexachloro-1,3-butadiene	**<39.2**	ug/kg	392	39.2	1	01/25/18 15:00	01/29/18 19:40	87-68-3	
Hexachlorobenzene	**<38.0**	ug/kg	392	38.0	1	01/25/18 15:00	01/29/18 19:40	118-74-1	
Hexachlorocyclopentadiene	**<83.1**	ug/kg	392	83.1	1	01/25/18 15:00	01/29/18 19:40	77-47-4	
Hexachloroethane	**<29.7**	ug/kg	392	29.7	1	01/25/18 15:00	01/29/18 19:40	67-72-1	
Indeno(1,2,3-cd)pyrene	**<42.8**	ug/kg	392	42.8	1	01/25/18 15:00	01/29/18 19:40	193-39-5	
Isophorone	**<35.6**	ug/kg	392	35.6	1	01/25/18 15:00	01/29/18 19:40	78-59-1	
2-Methylnaphthalene	**<28.5**	ug/kg	392	28.5	1	01/25/18 15:00	01/29/18 19:40	91-57-6	
2-Methylphenol(o-Cresol)	**<36.8**	ug/kg	392	36.8	1	01/25/18 15:00	01/29/18 19:40	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<42.8**	ug/kg	392	42.8	1	01/25/18 15:00	01/29/18 19:40		
Naphthalene	**<30.9**	ug/kg	392	30.9	1	01/25/18 15:00	01/29/18 19:40	91-20-3	
2-Nitroaniline	**<66.5**	ug/kg	784	66.5	1	01/25/18 15:00	01/29/18 19:40	88-74-4	
3-Nitroaniline	**<119**	ug/kg	784	119	1	01/25/18 15:00	01/29/18 19:40	99-09-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-6 (0-1) **Lab ID: 60262644005** Collected: 01/23/18 12:30 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<101**	ug/kg	784	101	1	01/25/18 15:00	01/29/18 19:40	100-01-6	
Nitrobenzene	**<36.8**	ug/kg	392	36.8	1	01/25/18 15:00	01/29/18 19:40	98-95-3	
2-Nitrophenol	**<54.6**	ug/kg	392	54.6	1	01/25/18 15:00	01/29/18 19:40	88-75-5	
4-Nitrophenol	**<61.8**	ug/kg	1980	61.8	1	01/25/18 15:00	01/29/18 19:40	100-02-7	
N-Nitroso-di-n-propylamine	**<39.2**	ug/kg	392	39.2	1	01/25/18 15:00	01/29/18 19:40	621-64-7	
N-Nitrosodiphenylamine	**<30.9**	ug/kg	392	30.9	1	01/25/18 15:00	01/29/18 19:40	86-30-6	
Pentachlorophenol	**<36.8**	ug/kg	1980	36.8	1	01/25/18 15:00	01/29/18 19:40	87-86-5	
Phenanthrene	**<36.8**	ug/kg	392	36.8	1	01/25/18 15:00	01/29/18 19:40	85-01-8	
Phenol	**<30.9**	ug/kg	392	30.9	1	01/25/18 15:00	01/29/18 19:40	108-95-2	
Pyrene	**<39.2**	ug/kg	392	39.2	1	01/25/18 15:00	01/29/18 19:40	129-00-0	
Pyridine	**<32.1**	ug/kg	392	32.1	1	01/25/18 15:00	01/29/18 19:40	110-86-1	
1,2,4-Trichlorobenzene	**<35.6**	ug/kg	392	35.6	1	01/25/18 15:00	01/29/18 19:40	120-82-1	
2,4,5-Trichlorophenol	**<35.6**	ug/kg	392	35.6	1	01/25/18 15:00	01/29/18 19:40	95-95-4	
2,4,6-Trichlorophenol	**<36.8**	ug/kg	392	36.8	1	01/25/18 15:00	01/29/18 19:40	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	74	%	41-114		1	01/25/18 15:00	01/29/18 19:40	4165-60-0	
2-Fluorobiphenyl (S)	78	%	61-109		1	01/25/18 15:00	01/29/18 19:40	321-60-8	
Terphenyl-d14 (S)	82	%	48-120		1	01/25/18 15:00	01/29/18 19:40	1718-51-0	
Phenol-d6 (S)	75	%	48-102		1	01/25/18 15:00	01/29/18 19:40	13127-88-3	
2-Fluorophenol (S)	67	%	46-102		1	01/25/18 15:00	01/29/18 19:40	367-12-4	
2,4,6-Tribromophenol (S)	58	%	39-114		1	01/25/18 15:00	01/29/18 19:40	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**48.7**	mg/kg	18.0	1.4	1	01/25/18 15:00	01/27/18 15:14		
TPH-DRO	**26.4**	mg/kg	18.0	1.4	1	01/25/18 15:00	01/27/18 15:14		
Surrogates									
Nitrobenzene-d5 (S)	71	%	41-114		1	01/25/18 15:00	01/27/18 15:14	4165-60-0	
2-Fluorobiphenyl (S)	85	%	61-109		1	01/25/18 15:00	01/27/18 15:14	321-60-8	
Terphenyl-d14 (S)	77	%	48-120		1	01/25/18 15:00	01/27/18 15:14	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.63**	mg/kg	1.3	0.63	1		01/31/18 15:34		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**62.8**	ug/kg	50.4	25.2	1		01/31/18 15:34	67-64-1	
Benzene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	71-43-2	
Bromobenzene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	108-86-1	
Bromochloromethane	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	74-97-5	
Bromodichloromethane	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	75-27-4	
Bromoform	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	75-25-2	
Bromomethane	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	74-83-9	
2-Butanone (MEK)	**<12.6**	ug/kg	25.2	12.6	1		01/31/18 15:34	78-93-3	
n-Butylbenzene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	104-51-8	
sec-Butylbenzene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	135-98-8	
tert-Butylbenzene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	98-06-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-6 (0-1) **Lab ID: 60262644005** Collected: 01/23/18 12:30 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	75-15-0	
Carbon tetrachloride	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	56-23-5	
Chlorobenzene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	108-90-7	
Chloroethane	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	75-00-3	
Chloroform	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	67-66-3	
Chloromethane	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	74-87-3	
2-Chlorotoluene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	95-49-8	
4-Chlorotoluene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	106-43-4	
1,2-Dibromo-3-chloropropane	**<12.6**	ug/kg	25.2	12.6	1		01/31/18 15:34	96-12-8	
Dibromochloromethane	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	124-48-1	
1,2-Dibromoethane (EDB)	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	106-93-4	
Dibromomethane	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	74-95-3	
1,2-Dichlorobenzene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	95-50-1	
1,3-Dichlorobenzene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	541-73-1	
1,4-Dichlorobenzene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	106-46-7	
Dichlorodifluoromethane	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	75-71-8	
1,1-Dichloroethane	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	75-34-3	
1,2-Dichloroethane	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	107-06-2	
1,2-Dichloroethene (Total)	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	540-59-0	
1,1-Dichloroethene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	75-35-4	
cis-1,2-Dichloroethene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	156-59-2	
trans-1,2-Dichloroethene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	156-60-5	L2
1,2-Dichloropropane	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	78-87-5	
1,3-Dichloropropane	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	142-28-9	
2,2-Dichloropropane	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	594-20-7	
1,1-Dichloropropene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	563-58-6	
cis-1,3-Dichloropropene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	10061-01-5	
trans-1,3-Dichloropropene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	10061-02-6	
Ethylbenzene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	100-41-4	
Hexachloro-1,3-butadiene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	87-68-3	
2-Hexanone	**<25.2**	ug/kg	50.4	25.2	1		01/31/18 15:34	591-78-6	
Isopropylbenzene (Cumene)	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	98-82-8	
p-Isopropyltoluene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	99-87-6	
Methylene chloride	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<12.6**	ug/kg	25.2	12.6	1		01/31/18 15:34	108-10-1	
Methyl-tert-butyl ether	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	1634-04-4	
Naphthalene	**<12.6**	ug/kg	25.2	12.6	1		01/31/18 15:34	91-20-3	
n-Propylbenzene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	103-65-1	
Styrene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	100-42-5	
1,1,1,2-Tetrachloroethane	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	630-20-6	
1,1,2,2-Tetrachloroethane	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	79-34-5	
Tetrachloroethene	**9.2J**	ug/kg	12.6	6.3	1		01/31/18 15:34	127-18-4	
Toluene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	108-88-3	
1,2,3-Trichlorobenzene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	87-61-6	
1,2,4-Trichlorobenzene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	120-82-1	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-6 (0-1) **Lab ID: 60262644005** Collected: 01/23/18 12:30 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	71-55-6	
1,1,2-Trichloroethane	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	79-00-5	
Trichloroethene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	79-01-6	
Trichlorofluoromethane	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	75-69-4	
1,2,3-Trichloropropane	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	96-18-4	
1,2,4-Trimethylbenzene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	95-63-6	
1,3,5-Trimethylbenzene	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	108-67-8	
Vinyl chloride	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	75-01-4	
Xylene (Total)	**<6.3**	ug/kg	12.6	6.3	1		01/31/18 15:34	1330-20-7	
Surrogates									
Toluene-d8 (S)	97	%	78-122		1		01/31/18 15:34	2037-26-5	
4-Bromofluorobenzene (S)	105	%	69-133		1		01/31/18 15:34	460-00-4	
1,2-Dichloroethane-d4 (S)	123	%	80-123		1		01/31/18 15:34	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**17.3**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**9.2**	Std. Units	0.10	0.10	1		01/30/18 10:40		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**84.0J**	mg/kg	122	60.8	10	02/05/18 08:00	02/06/18 03:15	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**<6.1**	mg/kg	12.2	6.1	10	02/05/18 16:00	02/06/18 03:15	14797-55-8	
Nitrite as N	**<6.1**	mg/kg	12.2	6.1	10	02/05/18 16:00	02/06/18 03:15	14797-65-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-6 (3-5) **Lab ID: 60262644006** Collected: 01/23/18 12:40 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.68**	ug/kg	1.9	0.68	1	01/29/18 08:55	01/30/18 16:00	309-00-2	
alpha-BHC	**<0.30**	ug/kg	1.9	0.30	1	01/29/18 08:55	01/30/18 16:00	319-84-6	
beta-BHC	**<1.0**	ug/kg	3.2	1.0	1	01/29/18 08:55	01/30/18 16:00	319-85-7	
delta-BHC	**<0.92**	ug/kg	2.7	0.92	1	01/29/18 08:55	01/30/18 16:00	319-86-8	
gamma-BHC (Lindane)	**<0.86**	ug/kg	2.7	0.86	1	01/29/18 08:55	01/30/18 16:00	58-89-9	
Chlordane (Technical)	**<53.9**	ug/kg	287	53.9	1	01/29/18 08:55	01/30/18 16:00	57-74-9	
alpha-Chlordane	**<0.76**	ug/kg	3.2	0.76	1	01/29/18 08:55	01/30/18 16:00	5103-71-9	
gamma-Chlordane	**<1.3**	ug/kg	3.2	1.3	1	01/29/18 08:55	01/30/18 16:00	5103-74-2	
4,4'-DDD	**<0.62**	ug/kg	1.9	0.62	1	01/29/18 08:55	01/30/18 16:00	72-54-8	
4,4'-DDE	**<0.60**	ug/kg	1.9	0.60	1	01/29/18 08:55	01/30/18 16:00	72-55-9	
4,4'-DDT	**<1.2**	ug/kg	2.7	1.2	1	01/29/18 08:55	01/30/18 16:00	50-29-3	
Dieldrin	**<0.83**	ug/kg	2.7	0.83	1	01/29/18 08:55	01/30/18 16:00	60-57-1	
Endosulfan I	**<0.89**	ug/kg	2.7	0.89	1	01/29/18 08:55	01/30/18 16:00	959-98-8	
Endosulfan II	**<0.62**	ug/kg	1.9	0.62	1	01/29/18 08:55	01/30/18 16:00	33213-65-9	
Endosulfan sulfate	**<0.88**	ug/kg	2.7	0.88	1	01/29/18 08:55	01/30/18 16:00	1031-07-8	
Endrin	**<0.89**	ug/kg	3.2	0.89	1	01/29/18 08:55	01/30/18 16:00	72-20-8	
Endrin aldehyde	**<0.89**	ug/kg	2.7	0.89	1	01/29/18 08:55	01/30/18 16:00	7421-93-4	
Endrin ketone	**<1.1**	ug/kg	3.8	1.1	1	01/29/18 08:55	01/30/18 16:00	53494-70-5	
Heptachlor	**<1.5**	ug/kg	3.8	1.5	1	01/29/18 08:55	01/30/18 16:00	76-44-8	
Heptachlor epoxide	**<3.8**	ug/kg	9.6	3.8	1	01/29/18 08:55	01/30/18 16:00	1024-57-3	
Methoxychlor	**<1.1**	ug/kg	3.8	1.1	1	01/29/18 08:55	01/30/18 16:00	72-43-5	
Toxaphene	**<99.4**	ug/kg	287	99.4	1	01/29/18 08:55	01/30/18 16:00	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	83	%.	70-130		1	01/29/18 08:55	01/30/18 16:00	877-09-8	
Decachlorobiphenyl (S)	74	%.	70-130		1	01/29/18 08:55	01/30/18 16:00	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<6.4**	ug/kg	12.8	6.4	1	01/29/18 08:55	02/02/18 22:00	22248-79-9	
Azinphos, methyl (Guthion)	**<6.4**	ug/kg	12.8	6.4	1	01/29/18 08:55	02/02/18 22:00	86-50-0	
Bolstar	**<6.4**	ug/kg	12.8	6.4	1	01/29/18 08:55	02/02/18 22:00	35400-43-2	
Chlorpyrifos	**<6.4**	ug/kg	12.8	6.4	1	01/29/18 08:55	02/02/18 22:00	2921-88-2	
Coumaphos	**<6.4**	ug/kg	12.8	6.4	1	01/29/18 08:55	02/02/18 22:00	56-72-4	
Diazinon	**<6.4**	ug/kg	12.8	6.4	1	01/29/18 08:55	02/02/18 22:00	333-41-5	
Dichlorvos	**<3.2**	ug/kg	6.4	3.2	1	01/29/18 08:55	02/02/18 22:00	62-73-7	
Dimethoate	**<6.4**	ug/kg	12.8	6.4	1	01/29/18 08:55	02/02/18 22:00	60-51-5	
Disulfoton	**<3.2**	ug/kg	6.4	3.2	1	01/29/18 08:55	02/02/18 22:00	298-04-4	
EPN (ENT)	**<4.1**	ug/kg	6.4	4.1	1	01/29/18 08:55	02/02/18 22:00	2104-64-5	
Ethoprop	**<3.2**	ug/kg	6.4	3.2	1	01/29/18 08:55	02/02/18 22:00	13194-48-4	
Fensulfothion	**<6.4**	ug/kg	12.8	6.4	1	01/29/18 08:55	02/02/18 22:00	115-90-2	
Fenthion	**<3.2**	ug/kg	6.4	3.2	1	01/29/18 08:55	02/02/18 22:00	55-38-9	
Malathion	**<6.4**	ug/kg	12.8	6.4	1	01/29/18 08:55	02/02/18 22:00	121-75-5	
Methyl parathion	**<3.2**	ug/kg	6.4	3.2	1	01/29/18 08:55	02/02/18 22:00	298-00-0	
Mevinphos	**<3.8**	ug/kg	6.4	3.8	1	01/29/18 08:55	02/02/18 22:00	7786-34-7	
Parathion (Ethyl parathion)	**<6.4**	ug/kg	12.8	6.4	1	01/29/18 08:55	02/02/18 22:00	56-38-2	
Phorate	**<3.2**	ug/kg	6.4	3.2	1	01/29/18 08:55	02/02/18 22:00	298-02-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-6 (3-5) **Lab ID: 60262644006** Collected: 01/23/18 12:40 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<3.2**	ug/kg	6.4	3.2	1	01/29/18 08:55	02/02/18 22:00	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<3.2**	ug/kg	6.4	3.2	1	01/29/18 08:55	02/02/18 22:00	3689-24-5	
Tokuthion (Prothiofos)	**<3.2**	ug/kg	6.4	3.2	1	01/29/18 08:55	02/02/18 22:00	34643-46-4	
Trichloronate	**<6.4**	ug/kg	12.8	6.4	1	01/29/18 08:55	02/02/18 22:00	327-98-0	
Total Demeton	**<5.2**	ug/kg	6.4	5.2	1	01/29/18 08:55	02/02/18 22:00	8065-48-3	N2
Total Merphos	**<6.4**	ug/kg	25.5	6.4	1	01/29/18 08:55	02/02/18 22:00	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	87	%.	11-137		1	01/29/18 08:55	02/02/18 22:00	115-86-6	
Tributylphosphate (S)	111	%.	17-125		1	01/29/18 08:55	02/02/18 22:00	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<3.2**	ug/kg	3.2	3.2	1	01/29/18 16:21	01/31/18 16:09	94-75-7	
Dalapon	**<3.2**	ug/kg	3.2	3.2	1	01/29/18 16:21	01/31/18 16:09	75-99-0	
2,4-DB	**<3.2**	ug/kg	3.2	3.2	1	01/29/18 16:21	01/31/18 16:09	94-82-6	
Dicamba	**<3.2**	ug/kg	3.2	3.2	1	01/29/18 16:21	01/31/18 16:09	1918-00-9	
Dichloroprop	**<3.2**	ug/kg	3.2	3.2	1	01/29/18 16:21	01/31/18 16:09	15165-67-0	
Dinoseb	**<3.2**	ug/kg	3.2	3.2	1	01/29/18 16:21	01/31/18 16:09	88-85-7	CH
MCPA	**<316**	ug/kg	316	316	1	01/29/18 16:21	01/31/18 16:09	94-74-6	
MCPP	**<316**	ug/kg	316	316	1	01/29/18 16:21	01/31/18 16:09	7085-19-0	
2,4,5-T	**<3.2**	ug/kg	3.2	3.2	1	01/29/18 16:21	01/31/18 16:09	93-76-5	
2,4,5-TP (Silvex)	**<3.2**	ug/kg	3.2	3.2	1	01/29/18 16:21	01/31/18 16:09	93-72-1	
Surrogates									
2,4-DCAA (S)	31	%.	10-188		1	01/29/18 16:21	01/31/18 16:09	19719-28-9	
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**5.4**	mg/kg	1.1	0.47	1	01/30/18 14:45	02/01/18 17:31	7440-38-2	
Barium	**212**	mg/kg	0.57	0.035	1	01/30/18 14:45	02/01/18 17:31	7440-39-3	
Cadmium	**0.26J**	mg/kg	0.57	0.042	1	01/30/18 14:45	02/01/18 17:31	7440-43-9	
Chromium	**15.9**	mg/kg	0.57	0.11	1	01/30/18 14:45	02/01/18 17:31	7440-47-3	
Lead	**16.1**	mg/kg	0.57	0.24	1	01/30/18 14:45	02/01/18 17:31	7439-92-1	
Selenium	**<0.85**	mg/kg	1.7	0.85	1	01/30/18 14:45	02/01/18 17:31	7782-49-2	
Silver	**<0.19**	mg/kg	0.79	0.19	1	01/30/18 14:45	02/01/18 17:31	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.035J**	mg/kg	0.054	0.0071	1	01/25/18 09:26	01/25/18 12:08	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<44.2**	ug/kg	416	44.2	1	01/25/18 15:00	01/29/18 20:02	83-32-9	
Acenaphthylene	**<39.1**	ug/kg	416	39.1	1	01/25/18 15:00	01/29/18 20:02	208-96-8	
Anthracene	**<44.2**	ug/kg	416	44.2	1	01/25/18 15:00	01/29/18 20:02	120-12-7	
Benzo(a)anthracene	**<37.9**	ug/kg	416	37.9	1	01/25/18 15:00	01/29/18 20:02	56-55-3	
Benzo(a)pyrene	**<32.8**	ug/kg	416	32.8	1	01/25/18 15:00	01/29/18 20:02	50-32-8	
Benzo(b)fluoranthene	**<29.0**	ug/kg	416	29.0	1	01/25/18 15:00	01/29/18 20:02	205-99-2	
Benzo(g,h,i)perylene	**<40.4**	ug/kg	416	40.4	1	01/25/18 15:00	01/29/18 20:02	191-24-2	
Benzo(k)fluoranthene	**<49.2**	ug/kg	416	49.2	1	01/25/18 15:00	01/29/18 20:02	207-08-9	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-6 (3-5) **Lab ID: 60262644006** Collected: 01/23/18 12:40 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<39.1**	ug/kg	2110	39.1	1	01/25/18 15:00	01/29/18 20:02	65-85-0	
Benzyl alcohol	**<130**	ug/kg	833	130	1	01/25/18 15:00	01/29/18 20:02	100-51-6	
4-Bromophenylphenyl ether	**<32.8**	ug/kg	416	32.8	1	01/25/18 15:00	01/29/18 20:02	101-55-3	
Butylbenzylphthalate	**<54.3**	ug/kg	416	54.3	1	01/25/18 15:00	01/29/18 20:02	85-68-7	
Carbazole	**<34.1**	ug/kg	416	34.1	1	01/25/18 15:00	01/29/18 20:02	86-74-8	
4-Chloro-3-methylphenol	**<45.4**	ug/kg	833	45.4	1	01/25/18 15:00	01/29/18 20:02	59-50-7	
4-Chloroaniline	**<82.0**	ug/kg	833	82.0	1	01/25/18 15:00	01/29/18 20:02	106-47-8	
bis(2-Chloroethoxy)methane	**<32.8**	ug/kg	416	32.8	1	01/25/18 15:00	01/29/18 20:02	111-91-1	
bis(2-Chloroethyl) ether	**<32.8**	ug/kg	416	32.8	1	01/25/18 15:00	01/29/18 20:02	111-44-4	
bis(2-Chloroisopropyl) ether	**<32.8**	ug/kg	416	32.8	1	01/25/18 15:00	01/29/18 20:02	39638-32-9	
2-Chloronaphthalene	**<35.3**	ug/kg	416	35.3	1	01/25/18 15:00	01/29/18 20:02	91-58-7	
2-Chlorophenol	**<34.1**	ug/kg	416	34.1	1	01/25/18 15:00	01/29/18 20:02	95-57-8	
4-Chlorophenylphenyl ether	**<40.4**	ug/kg	416	40.4	1	01/25/18 15:00	01/29/18 20:02	7005-72-3	
Chrysene	**<35.3**	ug/kg	416	35.3	1	01/25/18 15:00	01/29/18 20:02	218-01-9	
Dibenz(a,h)anthracene	**<37.9**	ug/kg	416	37.9	1	01/25/18 15:00	01/29/18 20:02	53-70-3	
Dibenzofuran	**<37.9**	ug/kg	416	37.9	1	01/25/18 15:00	01/29/18 20:02	132-64-9	
1,2-Dichlorobenzene	**<31.5**	ug/kg	416	31.5	1	01/25/18 15:00	01/29/18 20:02	95-50-1	
1,3-Dichlorobenzene	**<35.3**	ug/kg	416	35.3	1	01/25/18 15:00	01/29/18 20:02	541-73-1	
1,4-Dichlorobenzene	**<36.6**	ug/kg	416	36.6	1	01/25/18 15:00	01/29/18 20:02	106-46-7	
3,3'-Dichlorobenzidine	**<143**	ug/kg	833	143	1	01/25/18 15:00	01/29/18 20:02	91-94-1	
2,4-Dichlorophenol	**<37.9**	ug/kg	416	37.9	1	01/25/18 15:00	01/29/18 20:02	120-83-2	
Diethylphthalate	**<39.1**	ug/kg	416	39.1	1	01/25/18 15:00	01/29/18 20:02	84-66-2	
2,4-Dimethylphenol	**<22.7**	ug/kg	416	22.7	1	01/25/18 15:00	01/29/18 20:02	105-67-9	
Dimethylphthalate	**<40.4**	ug/kg	416	40.4	1	01/25/18 15:00	01/29/18 20:02	131-11-3	
Di-n-butylphthalate	**<44.2**	ug/kg	416	44.2	1	01/25/18 15:00	01/29/18 20:02	84-74-2	
4,6-Dinitro-2-methylphenol	**<55.5**	ug/kg	2110	55.5	1	01/25/18 15:00	01/29/18 20:02	534-52-1	
2,4-Dinitrophenol	**<60.6**	ug/kg	2110	60.6	1	01/25/18 15:00	01/29/18 20:02	51-28-5	
2,4-Dinitrotoluene	**<35.3**	ug/kg	416	35.3	1	01/25/18 15:00	01/29/18 20:02	121-14-2	
2,6-Dinitrotoluene	**<42.9**	ug/kg	416	42.9	1	01/25/18 15:00	01/29/18 20:02	606-20-2	
Di-n-octylphthalate	**<49.2**	ug/kg	416	49.2	1	01/25/18 15:00	01/29/18 20:02	117-84-0	
bis(2-Ethylhexyl)phthalate	**<144**	ug/kg	416	144	1	01/25/18 15:00	01/29/18 20:02	117-81-7	
Fluoranthene	**<39.1**	ug/kg	416	39.1	1	01/25/18 15:00	01/29/18 20:02	206-44-0	
Fluorene	**<39.1**	ug/kg	416	39.1	1	01/25/18 15:00	01/29/18 20:02	86-73-7	
Hexachloro-1,3-butadiene	**<41.6**	ug/kg	416	41.6	1	01/25/18 15:00	01/29/18 20:02	87-68-3	
Hexachlorobenzene	**<40.4**	ug/kg	416	40.4	1	01/25/18 15:00	01/29/18 20:02	118-74-1	
Hexachlorocyclopentadiene	**<88.3**	ug/kg	416	88.3	1	01/25/18 15:00	01/29/18 20:02	77-47-4	
Hexachloroethane	**<31.5**	ug/kg	416	31.5	1	01/25/18 15:00	01/29/18 20:02	67-72-1	
Indeno(1,2,3-cd)pyrene	**<45.4**	ug/kg	416	45.4	1	01/25/18 15:00	01/29/18 20:02	193-39-5	
Isophorone	**<37.9**	ug/kg	416	37.9	1	01/25/18 15:00	01/29/18 20:02	78-59-1	
2-Methylnaphthalene	**<30.3**	ug/kg	416	30.3	1	01/25/18 15:00	01/29/18 20:02	91-57-6	
2-Methylphenol(o-Cresol)	**<39.1**	ug/kg	416	39.1	1	01/25/18 15:00	01/29/18 20:02	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<45.4**	ug/kg	416	45.4	1	01/25/18 15:00	01/29/18 20:02		
Naphthalene	**<32.8**	ug/kg	416	32.8	1	01/25/18 15:00	01/29/18 20:02	91-20-3	
2-Nitroaniline	**<70.7**	ug/kg	833	70.7	1	01/25/18 15:00	01/29/18 20:02	88-74-4	
3-Nitroaniline	**<126**	ug/kg	833	126	1	01/25/18 15:00	01/29/18 20:02	99-09-2	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-6 (3-5) **Lab ID: 60262644006** Collected: 01/23/18 12:40 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<107**	ug/kg	833	107	1	01/25/18 15:00	01/29/18 20:02	100-01-6	
Nitrobenzene	**<39.1**	ug/kg	416	39.1	1	01/25/18 15:00	01/29/18 20:02	98-95-3	
2-Nitrophenol	**<58.0**	ug/kg	416	58.0	1	01/25/18 15:00	01/29/18 20:02	88-75-5	
4-Nitrophenol	**<65.6**	ug/kg	2110	65.6	1	01/25/18 15:00	01/29/18 20:02	100-02-7	
N-Nitroso-di-n-propylamine	**<41.6**	ug/kg	416	41.6	1	01/25/18 15:00	01/29/18 20:02	621-64-7	
N-Nitrosodiphenylamine	**<32.8**	ug/kg	416	32.8	1	01/25/18 15:00	01/29/18 20:02	86-30-6	
Pentachlorophenol	**<39.1**	ug/kg	2110	39.1	1	01/25/18 15:00	01/29/18 20:02	87-86-5	
Phenanthrene	**<39.1**	ug/kg	416	39.1	1	01/25/18 15:00	01/29/18 20:02	85-01-8	
Phenol	**<32.8**	ug/kg	416	32.8	1	01/25/18 15:00	01/29/18 20:02	108-95-2	
Pyrene	**<41.6**	ug/kg	416	41.6	1	01/25/18 15:00	01/29/18 20:02	129-00-0	
Pyridine	**<34.1**	ug/kg	416	34.1	1	01/25/18 15:00	01/29/18 20:02	110-86-1	
1,2,4-Trichlorobenzene	**<37.9**	ug/kg	416	37.9	1	01/25/18 15:00	01/29/18 20:02	120-82-1	
2,4,5-Trichlorophenol	**<37.9**	ug/kg	416	37.9	1	01/25/18 15:00	01/29/18 20:02	95-95-4	
2,4,6-Trichlorophenol	**<39.1**	ug/kg	416	39.1	1	01/25/18 15:00	01/29/18 20:02	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	64	%	41-114		1	01/25/18 15:00	01/29/18 20:02	4165-60-0	
2-Fluorobiphenyl (S)	69	%	61-109		1	01/25/18 15:00	01/29/18 20:02	321-60-8	
Terphenyl-d14 (S)	78	%	48-120		1	01/25/18 15:00	01/29/18 20:02	1718-51-0	
Phenol-d6 (S)	65	%	48-102		1	01/25/18 15:00	01/29/18 20:02	13127-88-3	
2-Fluorophenol (S)	59	%	46-102		1	01/25/18 15:00	01/29/18 20:02	367-12-4	
2,4,6-Tribromophenol (S)	69	%	39-114		1	01/25/18 15:00	01/29/18 20:02	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**21.1**	mg/kg	19.1	1.5	1	01/25/18 15:00	01/27/18 15:35		B
TPH-DRO	**12.9J**	mg/kg	19.1	1.5	1	01/25/18 15:00	01/27/18 15:35		
Surrogates									
Nitrobenzene-d5 (S)	68	%	41-114		1	01/25/18 15:00	01/27/18 15:35	4165-60-0	
2-Fluorobiphenyl (S)	69	%	61-109		1	01/25/18 15:00	01/27/18 15:35	321-60-8	
Terphenyl-d14 (S)	70	%	48-120		1	01/25/18 15:00	01/27/18 15:35	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.29**	mg/kg	0.58	0.29	1		01/31/18 15:50		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**28.1**	ug/kg	23.2	11.6	1		01/31/18 15:50	67-64-1	
Benzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	71-43-2	
Bromobenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	108-86-1	
Bromochloromethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	74-97-5	
Bromodichloromethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	75-27-4	
Bromoform	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	75-25-2	
Bromomethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	74-83-9	
2-Butanone (MEK)	**<5.8**	ug/kg	11.6	5.8	1		01/31/18 15:50	78-93-3	
n-Butylbenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	104-51-8	
sec-Butylbenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	135-98-8	
tert-Butylbenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	98-06-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-6 (3-5) **Lab ID: 60262644006** Collected: 01/23/18 12:40 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	75-15-0	
Carbon tetrachloride	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	56-23-5	
Chlorobenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	108-90-7	
Chloroethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	75-00-3	
Chloroform	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	67-66-3	
Chloromethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	74-87-3	
2-Chlorotoluene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	95-49-8	
4-Chlorotoluene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.8**	ug/kg	11.6	5.8	1		01/31/18 15:50	96-12-8	
Dibromochloromethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	124-48-1	
1,2-Dibromoethane (EDB)	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	106-93-4	
Dibromomethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	74-95-3	
1,2-Dichlorobenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	95-50-1	
1,3-Dichlorobenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	541-73-1	
1,4-Dichlorobenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	106-46-7	
Dichlorodifluoromethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	75-71-8	
1,1-Dichloroethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	75-34-3	
1,2-Dichloroethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	107-06-2	
1,2-Dichloroethene (Total)	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	540-59-0	
1,1-Dichloroethene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	75-35-4	
cis-1,2-Dichloroethene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	156-59-2	
trans-1,2-Dichloroethene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	156-60-5	L2
1,2-Dichloropropane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	78-87-5	
1,3-Dichloropropane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	142-28-9	
2,2-Dichloropropane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	594-20-7	
1,1-Dichloropropene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	563-58-6	
cis-1,3-Dichloropropene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	10061-01-5	
trans-1,3-Dichloropropene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	10061-02-6	
Ethylbenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	100-41-4	
Hexachloro-1,3-butadiene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	87-68-3	
2-Hexanone	**<11.6**	ug/kg	23.2	11.6	1		01/31/18 15:50	591-78-6	
Isopropylbenzene (Cumene)	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	98-82-8	
p-Isopropyltoluene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	99-87-6	
Methylene chloride	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.8**	ug/kg	11.6	5.8	1		01/31/18 15:50	108-10-1	
Methyl-tert-butyl ether	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	1634-04-4	
Naphthalene	**<5.8**	ug/kg	11.6	5.8	1		01/31/18 15:50	91-20-3	
n-Propylbenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	103-65-1	
Styrene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	79-34-5	
Tetrachloroethene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	127-18-4	
Toluene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	108-88-3	
1,2,3-Trichlorobenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	87-61-6	
1,2,4-Trichlorobenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	120-82-1	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-6 (3-5) **Lab ID: 60262644006** Collected: 01/23/18 12:40 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	71-55-6	
1,1,2-Trichloroethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	79-00-5	
Trichloroethene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	79-01-6	
Trichlorofluoromethane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	75-69-4	
1,2,3-Trichloropropane	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	96-18-4	
1,2,4-Trimethylbenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	95-63-6	
1,3,5-Trimethylbenzene	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	108-67-8	
Vinyl chloride	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	75-01-4	
Xylene (Total)	**<2.9**	ug/kg	5.8	2.9	1		01/31/18 15:50	1330-20-7	
Surrogates									
Toluene-d8 (S)	99	%	78-122		1		01/31/18 15:50	2037-26-5	
4-Bromofluorobenzene (S)	103	%	69-133		1		01/31/18 15:50	460-00-4	
1,2-Dichloroethane-d4 (S)	122	%	80-123		1		01/31/18 15:50	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**22.6**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.8**	Std. Units	0.10	0.10	1		01/30/18 10:40		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**112J**	mg/kg	130	65.0	10	02/05/18 08:00	02/06/18 03:28	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**19.6**	mg/kg	13.0	6.5	10	02/05/18 16:00	02/06/18 03:28	14797-55-8	
Nitrite as N	**<6.5**	mg/kg	13.0	6.5	10	02/05/18 16:00	02/06/18 03:28	14797-65-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-7 (0-1) **Lab ID: 60262644007** Collected: 01/23/18 13:40 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.67**	ug/kg	1.9	0.67	1	01/29/18 08:55	01/30/18 16:15	309-00-2	
alpha-BHC	**<0.30**	ug/kg	1.9	0.30	1	01/29/18 08:55	01/30/18 16:15	319-84-6	
beta-BHC	**<1.0**	ug/kg	3.2	1.0	1	01/29/18 08:55	01/30/18 16:15	319-85-7	
delta-BHC	**<0.91**	ug/kg	2.7	0.91	1	01/29/18 08:55	01/30/18 16:15	319-86-8	
gamma-BHC (Lindane)	**<0.85**	ug/kg	2.7	0.85	1	01/29/18 08:55	01/30/18 16:15	58-89-9	
Chlordane (Technical)	**<53.3**	ug/kg	284	53.3	1	01/29/18 08:55	01/30/18 16:15	57-74-9	
alpha-Chlordane	**<0.75**	ug/kg	3.2	0.75	1	01/29/18 08:55	01/30/18 16:15	5103-71-9	
gamma-Chlordane	**<1.3**	ug/kg	3.2	1.3	1	01/29/18 08:55	01/30/18 16:15	5103-74-2	
4,4'-DDD	**<0.62**	ug/kg	1.9	0.62	1	01/29/18 08:55	01/30/18 16:15	72-54-8	
4,4'-DDE	**<0.59**	ug/kg	1.9	0.59	1	01/29/18 08:55	01/30/18 16:15	72-55-9	
4,4'-DDT	**<1.2**	ug/kg	2.7	1.2	1	01/29/18 08:55	01/30/18 16:15	50-29-3	
Dieldrin	**<0.82**	ug/kg	2.7	0.82	1	01/29/18 08:55	01/30/18 16:15	60-57-1	
Endosulfan I	**<0.88**	ug/kg	2.7	0.88	1	01/29/18 08:55	01/30/18 16:15	959-98-8	
Endosulfan II	**<0.61**	ug/kg	1.9	0.61	1	01/29/18 08:55	01/30/18 16:15	33213-65-9	
Endosulfan sulfate	**<0.87**	ug/kg	2.7	0.87	1	01/29/18 08:55	01/30/18 16:15	1031-07-8	
Endrin	**<0.88**	ug/kg	3.2	0.88	1	01/29/18 08:55	01/30/18 16:15	72-20-8	
Endrin aldehyde	**<0.88**	ug/kg	2.7	0.88	1	01/29/18 08:55	01/30/18 16:15	7421-93-4	
Endrin ketone	**<1.0**	ug/kg	3.8	1.0	1	01/29/18 08:55	01/30/18 16:15	53494-70-5	
Heptachlor	**<1.4**	ug/kg	3.8	1.4	1	01/29/18 08:55	01/30/18 16:15	76-44-8	
Heptachlor epoxide	**<3.8**	ug/kg	9.5	3.8	1	01/29/18 08:55	01/30/18 16:15	1024-57-3	
Methoxychlor	**<1.1**	ug/kg	3.8	1.1	1	01/29/18 08:55	01/30/18 16:15	72-43-5	
Toxaphene	**<98.2**	ug/kg	284	98.2	1	01/29/18 08:55	01/30/18 16:15	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	80	%.	70-130		1	01/29/18 08:55	01/30/18 16:15	877-09-8	
Decachlorobiphenyl (S)	77	%.	70-130		1	01/29/18 08:55	01/30/18 16:15	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/02/18 22:27	22248-79-9	
Azinphos, methyl (Guthion)	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/02/18 22:27	86-50-0	
Bolstar	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/02/18 22:27	35400-43-2	
Chlorpyrifos	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/02/18 22:27	2921-88-2	
Coumaphos	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/02/18 22:27	56-72-4	
Diazinon	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/02/18 22:27	333-41-5	
Dichlorvos	**<3.1**	ug/kg	6.3	3.1	1	01/29/18 08:55	02/02/18 22:27	62-73-7	
Dimethoate	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/02/18 22:27	60-51-5	
Disulfoton	**<3.1**	ug/kg	6.3	3.1	1	01/29/18 08:55	02/02/18 22:27	298-04-4	
EPN (ENT)	**<4.0**	ug/kg	6.3	4.0	1	01/29/18 08:55	02/02/18 22:27	2104-64-5	
Ethoprop	**<3.1**	ug/kg	6.3	3.1	1	01/29/18 08:55	02/02/18 22:27	13194-48-4	
Fensulfothion	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/02/18 22:27	115-90-2	
Fenthion	**<3.1**	ug/kg	6.3	3.1	1	01/29/18 08:55	02/02/18 22:27	55-38-9	
Malathion	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/02/18 22:27	121-75-5	
Methyl parathion	**<3.1**	ug/kg	6.3	3.1	1	01/29/18 08:55	02/02/18 22:27	298-00-0	
Mevinphos	**<3.7**	ug/kg	6.3	3.7	1	01/29/18 08:55	02/02/18 22:27	7786-34-7	
Parathion (Ethyl parathion)	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/02/18 22:27	56-38-2	
Phorate	**<3.1**	ug/kg	6.3	3.1	1	01/29/18 08:55	02/02/18 22:27	298-02-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-7 (0-1) **Lab ID: 60262644007** Collected: 01/23/18 13:40 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<3.1**	ug/kg	6.3	3.1	1	01/29/18 08:55	02/02/18 22:27	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<3.1**	ug/kg	6.3	3.1	1	01/29/18 08:55	02/02/18 22:27	3689-24-5	
Tokuthion (Prothiofos)	**<3.1**	ug/kg	6.3	3.1	1	01/29/18 08:55	02/02/18 22:27	34643-46-4	
Trichloronate	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/02/18 22:27	327-98-0	
Total Demeton	**<5.2**	ug/kg	6.3	5.2	1	01/29/18 08:55	02/02/18 22:27	8065-48-3	N2
Total Merphos	**<6.3**	ug/kg	25.2	6.3	1	01/29/18 08:55	02/02/18 22:27	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	90	%.	11-137		1	01/29/18 08:55	02/02/18 22:27	115-86-6	
Tributylphosphate (S)	113	%.	17-125		1	01/29/18 08:55	02/02/18 22:27	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 20:43	94-75-7	
Dalapon	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 20:43	75-99-0	
2,4-DB	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 20:43	94-82-6	
Dicamba	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 20:43	1918-00-9	
Dichloroprop	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 20:43	15165-67-0	
Dinoseb	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 20:43	88-85-7	
MCPA	**<311**	ug/kg	311	311	1	01/29/18 16:21	01/30/18 20:43	94-74-6	
MCPP	**<311**	ug/kg	311	311	1	01/29/18 16:21	01/30/18 20:43	7085-19-0	
2,4,5-T	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 20:43	93-76-5	
2,4,5-TP (Silvex)	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 20:43	93-72-1	
Surrogates									
2,4-DCAA (S)	14	%.	10-188		1	01/29/18 16:21	01/30/18 20:43	19719-28-9	
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**5.2**	mg/kg	1.2	0.48	1	01/30/18 14:45	02/01/18 17:33	7440-38-2	
Barium	**423**	mg/kg	0.59	0.036	1	01/30/18 14:45	02/01/18 17:33	7440-39-3	
Cadmium	**0.32J**	mg/kg	0.59	0.043	1	01/30/18 14:45	02/01/18 17:33	7440-43-9	
Chromium	**15.0**	mg/kg	0.59	0.12	1	01/30/18 14:45	02/01/18 17:33	7440-47-3	
Lead	**101**	mg/kg	0.59	0.24	1	01/30/18 14:45	02/01/18 17:33	7439-92-1	
Selenium	**<0.88**	mg/kg	1.8	0.88	1	01/30/18 14:45	02/01/18 17:33	7782-49-2	
Silver	**<0.19**	mg/kg	0.82	0.19	1	01/30/18 14:45	02/01/18 17:33	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.097**	mg/kg	0.054	0.0072	1	01/25/18 09:26	01/25/18 12:10	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<43.4**	ug/kg	409	43.4	1	01/30/18 15:00	01/31/18 17:26	83-32-9	
Acenaphthylene	**<38.4**	ug/kg	409	38.4	1	01/30/18 15:00	01/31/18 17:26	208-96-8	
Anthracene	**<43.4**	ug/kg	409	43.4	1	01/30/18 15:00	01/31/18 17:26	120-12-7	
Benzo(a)anthracene	**<37.2**	ug/kg	409	37.2	1	01/30/18 15:00	01/31/18 17:26	56-55-3	
Benzo(a)pyrene	**<32.2**	ug/kg	409	32.2	1	01/30/18 15:00	01/31/18 17:26	50-32-8	
Benzo(b)fluoranthene	**<28.5**	ug/kg	409	28.5	1	01/30/18 15:00	01/31/18 17:26	205-99-2	
Benzo(g,h,i)perylene	**<39.7**	ug/kg	409	39.7	1	01/30/18 15:00	01/31/18 17:26	191-24-2	
Benzo(k)fluoranthene	**<48.4**	ug/kg	409	48.4	1	01/30/18 15:00	01/31/18 17:26	207-08-9	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-7 (0-1) **Lab ID: 60262644007** Collected: 01/23/18 13:40 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<38.4**	ug/kg	2070	38.4	1	01/30/18 15:00	01/31/18 17:26	65-85-0	
Benzyl alcohol	**<128**	ug/kg	818	128	1	01/30/18 15:00	01/31/18 17:26	100-51-6	
4-Bromophenylphenyl ether	**<32.2**	ug/kg	409	32.2	1	01/30/18 15:00	01/31/18 17:26	101-55-3	
Butylbenzylphthalate	**<53.3**	ug/kg	409	53.3	1	01/30/18 15:00	01/31/18 17:26	85-68-7	
Carbazole	**<33.5**	ug/kg	409	33.5	1	01/30/18 15:00	01/31/18 17:26	86-74-8	
4-Chloro-3-methylphenol	**<44.6**	ug/kg	818	44.6	1	01/30/18 15:00	01/31/18 17:26	59-50-7	
4-Chloroaniline	**<80.6**	ug/kg	818	80.6	1	01/30/18 15:00	01/31/18 17:26	106-47-8	
bis(2-Chloroethoxy)methane	**<32.2**	ug/kg	409	32.2	1	01/30/18 15:00	01/31/18 17:26	111-91-1	
bis(2-Chloroethyl) ether	**<32.2**	ug/kg	409	32.2	1	01/30/18 15:00	01/31/18 17:26	111-44-4	
bis(2-Chloroisopropyl) ether	**<32.2**	ug/kg	409	32.2	1	01/30/18 15:00	01/31/18 17:26	39638-32-9	
2-Chloronaphthalene	**<34.7**	ug/kg	409	34.7	1	01/30/18 15:00	01/31/18 17:26	91-58-7	
2-Chlorophenol	**<33.5**	ug/kg	409	33.5	1	01/30/18 15:00	01/31/18 17:26	95-57-8	
4-Chlorophenylphenyl ether	**<39.7**	ug/kg	409	39.7	1	01/30/18 15:00	01/31/18 17:26	7005-72-3	
Chrysene	**<34.7**	ug/kg	409	34.7	1	01/30/18 15:00	01/31/18 17:26	218-01-9	
Dibenz(a,h)anthracene	**<37.2**	ug/kg	409	37.2	1	01/30/18 15:00	01/31/18 17:26	53-70-3	
Dibenzofuran	**<37.2**	ug/kg	409	37.2	1	01/30/18 15:00	01/31/18 17:26	132-64-9	
1,2-Dichlorobenzene	**<31.0**	ug/kg	409	31.0	1	01/30/18 15:00	01/31/18 17:26	95-50-1	
1,3-Dichlorobenzene	**<34.7**	ug/kg	409	34.7	1	01/30/18 15:00	01/31/18 17:26	541-73-1	
1,4-Dichlorobenzene	**<36.0**	ug/kg	409	36.0	1	01/30/18 15:00	01/31/18 17:26	106-46-7	
3,3'-Dichlorobenzidine	**<140**	ug/kg	818	140	1	01/30/18 15:00	01/31/18 17:26	91-94-1	
2,4-Dichlorophenol	**<37.2**	ug/kg	409	37.2	1	01/30/18 15:00	01/31/18 17:26	120-83-2	
Diethylphthalate	**<38.4**	ug/kg	409	38.4	1	01/30/18 15:00	01/31/18 17:26	84-66-2	
2,4-Dimethylphenol	**<22.3**	ug/kg	409	22.3	1	01/30/18 15:00	01/31/18 17:26	105-67-9	
Dimethylphthalate	**<39.7**	ug/kg	409	39.7	1	01/30/18 15:00	01/31/18 17:26	131-11-3	
Di-n-butylphthalate	**<43.4**	ug/kg	409	43.4	1	01/30/18 15:00	01/31/18 17:26	84-74-2	
4,6-Dinitro-2-methylphenol	**<54.6**	ug/kg	2070	54.6	1	01/30/18 15:00	01/31/18 17:26	534-52-1	
2,4-Dinitrophenol	**<59.5**	ug/kg	2070	59.5	1	01/30/18 15:00	01/31/18 17:26	51-28-5	
2,4-Dinitrotoluene	**<34.7**	ug/kg	409	34.7	1	01/30/18 15:00	01/31/18 17:26	121-14-2	
2,6-Dinitrotoluene	**<42.2**	ug/kg	409	42.2	1	01/30/18 15:00	01/31/18 17:26	606-20-2	
Di-n-octylphthalate	**<48.4**	ug/kg	409	48.4	1	01/30/18 15:00	01/31/18 17:26	117-84-0	
bis(2-Ethylhexyl)phthalate	**<141**	ug/kg	409	141	1	01/30/18 15:00	01/31/18 17:26	117-81-7	
Fluoranthene	**50.5J**	ug/kg	409	38.4	1	01/30/18 15:00	01/31/18 17:26	206-44-0	
Fluorene	**<38.4**	ug/kg	409	38.4	1	01/30/18 15:00	01/31/18 17:26	86-73-7	
Hexachloro-1,3-butadiene	**<40.9**	ug/kg	409	40.9	1	01/30/18 15:00	01/31/18 17:26	87-68-3	
Hexachlorobenzene	**<39.7**	ug/kg	409	39.7	1	01/30/18 15:00	01/31/18 17:26	118-74-1	
Hexachlorocyclopentadiene	**<86.8**	ug/kg	409	86.8	1	01/30/18 15:00	01/31/18 17:26	77-47-4	
Hexachloroethane	**<31.0**	ug/kg	409	31.0	1	01/30/18 15:00	01/31/18 17:26	67-72-1	
Indeno(1,2,3-cd)pyrene	**<44.6**	ug/kg	409	44.6	1	01/30/18 15:00	01/31/18 17:26	193-39-5	
Isophorone	**<37.2**	ug/kg	409	37.2	1	01/30/18 15:00	01/31/18 17:26	78-59-1	
2-Methylnaphthalene	**<29.8**	ug/kg	409	29.8	1	01/30/18 15:00	01/31/18 17:26	91-57-6	
2-Methylphenol(o-Cresol)	**<38.4**	ug/kg	409	38.4	1	01/30/18 15:00	01/31/18 17:26	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<44.6**	ug/kg	409	44.6	1	01/30/18 15:00	01/31/18 17:26		
Naphthalene	**<32.2**	ug/kg	409	32.2	1	01/30/18 15:00	01/31/18 17:26	91-20-3	
2-Nitroaniline	**<69.4**	ug/kg	818	69.4	1	01/30/18 15:00	01/31/18 17:26	88-74-4	
3-Nitroaniline	**<124**	ug/kg	818	124	1	01/30/18 15:00	01/31/18 17:26	99-09-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-7 (0-1) **Lab ID: 60262644007** Collected: 01/23/18 13:40 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<105**	ug/kg	818	105	1	01/30/18 15:00	01/31/18 17:26	100-01-6	
Nitrobenzene	**<38.4**	ug/kg	409	38.4	1	01/30/18 15:00	01/31/18 17:26	98-95-3	
2-Nitrophenol	**<57.0**	ug/kg	409	57.0	1	01/30/18 15:00	01/31/18 17:26	88-75-5	
4-Nitrophenol	**<64.5**	ug/kg	2070	64.5	1	01/30/18 15:00	01/31/18 17:26	100-02-7	
N-Nitroso-di-n-propylamine	**<40.9**	ug/kg	409	40.9	1	01/30/18 15:00	01/31/18 17:26	621-64-7	
N-Nitrosodiphenylamine	**<32.2**	ug/kg	409	32.2	1	01/30/18 15:00	01/31/18 17:26	86-30-6	
Pentachlorophenol	**<38.4**	ug/kg	2070	38.4	1	01/30/18 15:00	01/31/18 17:26	87-86-5	
Phenanthrene	**<38.4**	ug/kg	409	38.4	1	01/30/18 15:00	01/31/18 17:26	85-01-8	
Phenol	**<32.2**	ug/kg	409	32.2	1	01/30/18 15:00	01/31/18 17:26	108-95-2	
Pyrene	**41.8J**	ug/kg	409	40.9	1	01/30/18 15:00	01/31/18 17:26	129-00-0	
Pyridine	**<33.5**	ug/kg	409	33.5	1	01/30/18 15:00	01/31/18 17:26	110-86-1	
1,2,4-Trichlorobenzene	**<37.2**	ug/kg	409	37.2	1	01/30/18 15:00	01/31/18 17:26	120-82-1	
2,4,5-Trichlorophenol	**<37.2**	ug/kg	409	37.2	1	01/30/18 15:00	01/31/18 17:26	95-95-4	
2,4,6-Trichlorophenol	**<38.4**	ug/kg	409	38.4	1	01/30/18 15:00	01/31/18 17:26	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	78	%	41-114		1	01/30/18 15:00	01/31/18 17:26	4165-60-0	
2-Fluorobiphenyl (S)	80	%	61-109		1	01/30/18 15:00	01/31/18 17:26	321-60-8	
Terphenyl-d14 (S)	82	%	48-120		1	01/30/18 15:00	01/31/18 17:26	1718-51-0	
Phenol-d6 (S)	74	%	48-102		1	01/30/18 15:00	01/31/18 17:26	13127-88-3	
2-Fluorophenol (S)	44	%	46-102		1	01/30/18 15:00	01/31/18 17:26	367-12-4	S0
2,4,6-Tribromophenol (S)	40	%	39-114		1	01/30/18 15:00	01/31/18 17:26	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**56.6**	mg/kg	18.7	1.5	1	01/25/18 15:00	01/27/18 15:55		
TPH-DRO	**13.7J**	mg/kg	18.7	1.5	1	01/25/18 15:00	01/27/18 15:55		
Surrogates									
Nitrobenzene-d5 (S)	110	%	41-114		1	01/25/18 15:00	01/27/18 15:55	4165-60-0	
2-Fluorobiphenyl (S)	78	%	61-109		1	01/25/18 15:00	01/27/18 15:55	321-60-8	
Terphenyl-d14 (S)	79	%	48-120		1	01/25/18 15:00	01/27/18 15:55	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.45**	mg/kg	0.91	0.45	1		01/31/18 16:06		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**<18.1**	ug/kg	36.2	18.1	1		01/31/18 16:06	67-64-1	
Benzene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	71-43-2	
Bromobenzene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	108-86-1	
Bromochloromethane	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	74-97-5	
Bromodichloromethane	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	75-27-4	
Bromoform	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	75-25-2	
Bromomethane	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	74-83-9	
2-Butanone (MEK)	**<9.1**	ug/kg	18.1	9.1	1		01/31/18 16:06	78-93-3	
n-Butylbenzene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	104-51-8	
sec-Butylbenzene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	135-98-8	
tert-Butylbenzene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	98-06-6	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-7 (0-1) **Lab ID: 60262644007** Collected: 01/23/18 13:40 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	75-15-0	
Carbon tetrachloride	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	56-23-5	
Chlorobenzene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	108-90-7	
Chloroethane	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	75-00-3	
Chloroform	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	67-66-3	
Chloromethane	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	74-87-3	
2-Chlorotoluene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	95-49-8	
4-Chlorotoluene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	106-43-4	
1,2-Dibromo-3-chloropropane	**<9.1**	ug/kg	18.1	9.1	1		01/31/18 16:06	96-12-8	
Dibromochloromethane	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	124-48-1	
1,2-Dibromoethane (EDB)	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	106-93-4	
Dibromomethane	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	74-95-3	
1,2-Dichlorobenzene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	95-50-1	
1,3-Dichlorobenzene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	541-73-1	
1,4-Dichlorobenzene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	106-46-7	
Dichlorodifluoromethane	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	75-71-8	
1,1-Dichloroethane	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	75-34-3	
1,2-Dichloroethane	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	107-06-2	
1,2-Dichloroethene (Total)	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	540-59-0	
1,1-Dichloroethene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	75-35-4	
cis-1,2-Dichloroethene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	156-59-2	
trans-1,2-Dichloroethene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	156-60-5	L2
1,2-Dichloropropane	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	78-87-5	
1,3-Dichloropropane	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	142-28-9	
2,2-Dichloropropane	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	594-20-7	
1,1-Dichloropropene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	563-58-6	
cis-1,3-Dichloropropene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	10061-01-5	
trans-1,3-Dichloropropene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	10061-02-6	
Ethylbenzene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	100-41-4	
Hexachloro-1,3-butadiene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	87-68-3	
2-Hexanone	**<18.1**	ug/kg	36.2	18.1	1		01/31/18 16:06	591-78-6	
Isopropylbenzene (Cumene)	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	98-82-8	
p-Isopropyltoluene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	99-87-6	
Methylene chloride	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<9.1**	ug/kg	18.1	9.1	1		01/31/18 16:06	108-10-1	
Methyl-tert-butyl ether	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	1634-04-4	
Naphthalene	**<9.1**	ug/kg	18.1	9.1	1		01/31/18 16:06	91-20-3	
n-Propylbenzene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	103-65-1	
Styrene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	100-42-5	
1,1,1,2-Tetrachloroethane	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	630-20-6	
1,1,2,2-Tetrachloroethane	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	79-34-5	
Tetrachloroethene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	127-18-4	
Toluene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	108-88-3	
1,2,3-Trichlorobenzene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	87-61-6	
1,2,4-Trichlorobenzene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	120-82-1	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-7 (0-1) **Lab ID: 60262644007** Collected: 01/23/18 13:40 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	71-55-6	
1,1,2-Trichloroethane	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	79-00-5	
Trichloroethene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	79-01-6	
Trichlorofluoromethane	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	75-69-4	
1,2,3-Trichloropropane	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	96-18-4	
1,2,4-Trimethylbenzene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	95-63-6	
1,3,5-Trimethylbenzene	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	108-67-8	
Vinyl chloride	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	75-01-4	
Xylene (Total)	**<4.5**	ug/kg	9.1	4.5	1		01/31/18 16:06	1330-20-7	
Surrogates									
Toluene-d8 (S)	98	%	78-122		1		01/31/18 16:06	2037-26-5	
4-Bromofluorobenzene (S)	102	%	69-133		1		01/31/18 16:06	460-00-4	
1,2-Dichloroethane-d4 (S)	121	%	80-123		1		01/31/18 16:06	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**21.1**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**10.2**	Std. Units	0.10	0.10	1		01/30/18 10:40		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**301**	mg/kg	129	64.7	10	02/05/18 08:00	02/06/18 03:42	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**91.8**	mg/kg	12.9	6.5	10	02/05/18 16:00	02/06/18 03:42	14797-55-8	
Nitrite as N	**<6.5**	mg/kg	12.9	6.5	10	02/05/18 16:00	02/06/18 03:42	14797-65-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-7 (3-5) **Lab ID: 60262644008** Collected: 01/23/18 13:50 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.67**	ug/kg	1.9	0.67	1	01/29/18 08:55	01/30/18 16:29	309-00-2	
alpha-BHC	**<0.30**	ug/kg	1.9	0.30	1	01/29/18 08:55	01/30/18 16:29	319-84-6	
beta-BHC	**<1.0**	ug/kg	3.1	1.0	1	01/29/18 08:55	01/30/18 16:29	319-85-7	
delta-BHC	**<0.90**	ug/kg	2.6	0.90	1	01/29/18 08:55	01/30/18 16:29	319-86-8	
gamma-BHC (Lindane)	**<0.85**	ug/kg	2.6	0.85	1	01/29/18 08:55	01/30/18 16:29	58-89-9	
Chlordane (Technical)	**<53.0**	ug/kg	283	53.0	1	01/29/18 08:55	01/30/18 16:29	57-74-9	
alpha-Chlordane	**<0.75**	ug/kg	3.1	0.75	1	01/29/18 08:55	01/30/18 16:29	5103-71-9	
gamma-Chlordane	**<1.3**	ug/kg	3.1	1.3	1	01/29/18 08:55	01/30/18 16:29	5103-74-2	
4,4'-DDD	**<0.62**	ug/kg	1.9	0.62	1	01/29/18 08:55	01/30/18 16:29	72-54-8	
4,4'-DDE	**<0.59**	ug/kg	1.9	0.59	1	01/29/18 08:55	01/30/18 16:29	72-55-9	
4,4'-DDT	**<1.2**	ug/kg	2.6	1.2	1	01/29/18 08:55	01/30/18 16:29	50-29-3	
Dieldrin	**<0.82**	ug/kg	2.6	0.82	1	01/29/18 08:55	01/30/18 16:29	60-57-1	
Endosulfan I	**<0.87**	ug/kg	2.6	0.87	1	01/29/18 08:55	01/30/18 16:29	959-98-8	
Endosulfan II	**<0.61**	ug/kg	1.9	0.61	1	01/29/18 08:55	01/30/18 16:29	33213-65-9	
Endosulfan sulfate	**<0.87**	ug/kg	2.6	0.87	1	01/29/18 08:55	01/30/18 16:29	1031-07-8	
Endrin	**<0.87**	ug/kg	3.1	0.87	1	01/29/18 08:55	01/30/18 16:29	72-20-8	
Endrin aldehyde	**<0.87**	ug/kg	2.6	0.87	1	01/29/18 08:55	01/30/18 16:29	7421-93-4	
Endrin ketone	**<1.0**	ug/kg	3.8	1.0	1	01/29/18 08:55	01/30/18 16:29	53494-70-5	
Heptachlor	**<1.4**	ug/kg	3.8	1.4	1	01/29/18 08:55	01/30/18 16:29	76-44-8	
Heptachlor epoxide	**<3.8**	ug/kg	9.4	3.8	1	01/29/18 08:55	01/30/18 16:29	1024-57-3	
Methoxychlor	**<1.1**	ug/kg	3.8	1.1	1	01/29/18 08:55	01/30/18 16:29	72-43-5	
Toxaphene	**<97.8**	ug/kg	283	97.8	1	01/29/18 08:55	01/30/18 16:29	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	80	%.	70-130		1	01/29/18 08:55	01/30/18 16:29	877-09-8	
Decachlorobiphenyl (S)	76	%.	70-130		1	01/29/18 08:55	01/30/18 16:29	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/02/18 22:54	22248-79-9	
Azinphos, methyl (Guthion)	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/02/18 22:54	86-50-0	
Bolstar	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/02/18 22:54	35400-43-2	
Chlorpyrifos	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/02/18 22:54	2921-88-2	
Coumaphos	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/02/18 22:54	56-72-4	
Diazinon	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/02/18 22:54	333-41-5	
Dichlorvos	**<3.1**	ug/kg	6.3	3.1	1	01/29/18 08:55	02/02/18 22:54	62-73-7	
Dimethoate	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/02/18 22:54	60-51-5	
Disulfoton	**<3.1**	ug/kg	6.3	3.1	1	01/29/18 08:55	02/02/18 22:54	298-04-4	
EPN (ENT)	**<4.0**	ug/kg	6.3	4.0	1	01/29/18 08:55	02/02/18 22:54	2104-64-5	
Ethoprop	**<3.1**	ug/kg	6.3	3.1	1	01/29/18 08:55	02/02/18 22:54	13194-48-4	
Fensulfothion	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/02/18 22:54	115-90-2	
Fenthion	**<3.1**	ug/kg	6.3	3.1	1	01/29/18 08:55	02/02/18 22:54	55-38-9	
Malathion	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/02/18 22:54	121-75-5	
Methyl parathion	**<3.1**	ug/kg	6.3	3.1	1	01/29/18 08:55	02/02/18 22:54	298-00-0	
Mevinphos	**<3.7**	ug/kg	6.3	3.7	1	01/29/18 08:55	02/02/18 22:54	7786-34-7	
Parathion (Ethyl parathion)	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/02/18 22:54	56-38-2	
Phorate	**<3.1**	ug/kg	6.3	3.1	1	01/29/18 08:55	02/02/18 22:54	298-02-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-7 (3-5) **Lab ID: 60262644008** Collected: 01/23/18 13:50 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<3.1**	ug/kg	6.3	3.1	1	01/29/18 08:55	02/02/18 22:54	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<3.1**	ug/kg	6.3	3.1	1	01/29/18 08:55	02/02/18 22:54	3689-24-5	
Tokuthion (Prothiofos)	**<3.1**	ug/kg	6.3	3.1	1	01/29/18 08:55	02/02/18 22:54	34643-46-4	
Trichloronate	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/02/18 22:54	327-98-0	
Total Demeton	**<5.2**	ug/kg	6.3	5.2	1	01/29/18 08:55	02/02/18 22:54	8065-48-3	N2
Total Merphos	**<6.3**	ug/kg	25.1	6.3	1	01/29/18 08:55	02/02/18 22:54	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	88	%.	11-137		1	01/29/18 08:55	02/02/18 22:54	115-86-6	
Tributylphosphate (S)	112	%.	17-125		1	01/29/18 08:55	02/02/18 22:54	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/31/18 16:59	94-75-7	
Dalapon	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/31/18 16:59	75-99-0	
2,4-DB	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/31/18 16:59	94-82-6	
Dicamba	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/31/18 16:59	1918-00-9	
Dichloroprop	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/31/18 16:59	15165-67-0	
Dinoseb	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/31/18 16:59	88-85-7	CH
MCPA	**<307**	ug/kg	307	307	1	01/29/18 16:21	01/31/18 16:59	94-74-6	
MCPP	**<307**	ug/kg	307	307	1	01/29/18 16:21	01/31/18 16:59	7085-19-0	
2,4,5-T	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/31/18 16:59	93-76-5	
2,4,5-TP (Silvex)	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/31/18 16:59	93-72-1	
Surrogates									
2,4-DCAA (S)	7	%.	10-188		1	01/29/18 16:21	01/31/18 16:59	19719-28-9	S1
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**5.5**	mg/kg	1.3	0.52	1	01/30/18 14:45	02/01/18 17:35	7440-38-2	
Barium	**414**	mg/kg	0.63	0.039	1	01/30/18 14:45	02/01/18 17:35	7440-39-3	
Cadmium	**0.33J**	mg/kg	0.63	0.047	1	01/30/18 14:45	02/01/18 17:35	7440-43-9	
Chromium	**15.7**	mg/kg	0.63	0.13	1	01/30/18 14:45	02/01/18 17:35	7440-47-3	
Lead	**93.8**	mg/kg	0.63	0.26	1	01/30/18 14:45	02/01/18 17:35	7439-92-1	
Selenium	**<0.94**	mg/kg	1.9	0.94	1	01/30/18 14:45	02/01/18 17:35	7782-49-2	
Silver	**<0.21**	mg/kg	0.88	0.21	1	01/30/18 14:45	02/01/18 17:35	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.014J**	mg/kg	0.053	0.0069	1	01/25/18 09:26	01/25/18 12:12	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<43.8**	ug/kg	413	43.8	1	01/25/18 15:00	01/29/18 20:45	83-32-9	
Acenaphthylene	**<38.8**	ug/kg	413	38.8	1	01/25/18 15:00	01/29/18 20:45	208-96-8	
Anthracene	**<43.8**	ug/kg	413	43.8	1	01/25/18 15:00	01/29/18 20:45	120-12-7	
Benzo(a)anthracene	**<37.5**	ug/kg	413	37.5	1	01/25/18 15:00	01/29/18 20:45	56-55-3	
Benzo(a)pyrene	**<32.5**	ug/kg	413	32.5	1	01/25/18 15:00	01/29/18 20:45	50-32-8	
Benzo(b)fluoranthene	**<28.8**	ug/kg	413	28.8	1	01/25/18 15:00	01/29/18 20:45	205-99-2	
Benzo(g,h,i)perylene	**<40.0**	ug/kg	413	40.0	1	01/25/18 15:00	01/29/18 20:45	191-24-2	
Benzo(k)fluoranthene	**<48.8**	ug/kg	413	48.8	1	01/25/18 15:00	01/29/18 20:45	207-08-9	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-7 (3-5) **Lab ID: 60262644008** Collected: 01/23/18 13:50 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<38.8**	ug/kg	2090	38.8	1	01/25/18 15:00	01/29/18 20:45	65-85-0	
Benzyl alcohol	**<129**	ug/kg	825	129	1	01/25/18 15:00	01/29/18 20:45	100-51-6	
4-Bromophenylphenyl ether	**<32.5**	ug/kg	413	32.5	1	01/25/18 15:00	01/29/18 20:45	101-55-3	
Butylbenzylphthalate	**<53.8**	ug/kg	413	53.8	1	01/25/18 15:00	01/29/18 20:45	85-68-7	
Carbazole	**<33.8**	ug/kg	413	33.8	1	01/25/18 15:00	01/29/18 20:45	86-74-8	
4-Chloro-3-methylphenol	**<45.0**	ug/kg	825	45.0	1	01/25/18 15:00	01/29/18 20:45	59-50-7	
4-Chloroaniline	**<81.3**	ug/kg	825	81.3	1	01/25/18 15:00	01/29/18 20:45	106-47-8	
bis(2-Chloroethoxy)methane	**<32.5**	ug/kg	413	32.5	1	01/25/18 15:00	01/29/18 20:45	111-91-1	
bis(2-Chloroethyl) ether	**<32.5**	ug/kg	413	32.5	1	01/25/18 15:00	01/29/18 20:45	111-44-4	
bis(2-Chloroisopropyl) ether	**<32.5**	ug/kg	413	32.5	1	01/25/18 15:00	01/29/18 20:45	39638-32-9	
2-Chloronaphthalene	**<35.0**	ug/kg	413	35.0	1	01/25/18 15:00	01/29/18 20:45	91-58-7	
2-Chlorophenol	**<33.8**	ug/kg	413	33.8	1	01/25/18 15:00	01/29/18 20:45	95-57-8	
4-Chlorophenylphenyl ether	**<40.0**	ug/kg	413	40.0	1	01/25/18 15:00	01/29/18 20:45	7005-72-3	
Chrysene	**<35.0**	ug/kg	413	35.0	1	01/25/18 15:00	01/29/18 20:45	218-01-9	
Dibenz(a,h)anthracene	**<37.5**	ug/kg	413	37.5	1	01/25/18 15:00	01/29/18 20:45	53-70-3	
Dibenzofuran	**<37.5**	ug/kg	413	37.5	1	01/25/18 15:00	01/29/18 20:45	132-64-9	
1,2-Dichlorobenzene	**<31.3**	ug/kg	413	31.3	1	01/25/18 15:00	01/29/18 20:45	95-50-1	
1,3-Dichlorobenzene	**<35.0**	ug/kg	413	35.0	1	01/25/18 15:00	01/29/18 20:45	541-73-1	
1,4-Dichlorobenzene	**<36.3**	ug/kg	413	36.3	1	01/25/18 15:00	01/29/18 20:45	106-46-7	
3,3'-Dichlorobenzidine	**<141**	ug/kg	825	141	1	01/25/18 15:00	01/29/18 20:45	91-94-1	
2,4-Dichlorophenol	**<37.5**	ug/kg	413	37.5	1	01/25/18 15:00	01/29/18 20:45	120-83-2	
Diethylphthalate	**<38.8**	ug/kg	413	38.8	1	01/25/18 15:00	01/29/18 20:45	84-66-2	
2,4-Dimethylphenol	**<22.5**	ug/kg	413	22.5	1	01/25/18 15:00	01/29/18 20:45	105-67-9	
Dimethylphthalate	**<40.0**	ug/kg	413	40.0	1	01/25/18 15:00	01/29/18 20:45	131-11-3	
Di-n-butylphthalate	**<43.8**	ug/kg	413	43.8	1	01/25/18 15:00	01/29/18 20:45	84-74-2	
4,6-Dinitro-2-methylphenol	**<55.0**	ug/kg	2090	55.0	1	01/25/18 15:00	01/29/18 20:45	534-52-1	
2,4-Dinitrophenol	**<60.0**	ug/kg	2090	60.0	1	01/25/18 15:00	01/29/18 20:45	51-28-5	
2,4-Dinitrotoluene	**<35.0**	ug/kg	413	35.0	1	01/25/18 15:00	01/29/18 20:45	121-14-2	
2,6-Dinitrotoluene	**<42.5**	ug/kg	413	42.5	1	01/25/18 15:00	01/29/18 20:45	606-20-2	
Di-n-octylphthalate	**<48.8**	ug/kg	413	48.8	1	01/25/18 15:00	01/29/18 20:45	117-84-0	
bis(2-Ethylhexyl)phthalate	**<143**	ug/kg	413	143	1	01/25/18 15:00	01/29/18 20:45	117-81-7	
Fluoranthene	**<38.8**	ug/kg	413	38.8	1	01/25/18 15:00	01/29/18 20:45	206-44-0	
Fluorene	**<38.8**	ug/kg	413	38.8	1	01/25/18 15:00	01/29/18 20:45	86-73-7	
Hexachloro-1,3-butadiene	**<41.3**	ug/kg	413	41.3	1	01/25/18 15:00	01/29/18 20:45	87-68-3	
Hexachlorobenzene	**<40.0**	ug/kg	413	40.0	1	01/25/18 15:00	01/29/18 20:45	118-74-1	
Hexachlorocyclopentadiene	**<87.5**	ug/kg	413	87.5	1	01/25/18 15:00	01/29/18 20:45	77-47-4	
Hexachloroethane	**<31.3**	ug/kg	413	31.3	1	01/25/18 15:00	01/29/18 20:45	67-72-1	
Indeno(1,2,3-cd)pyrene	**<45.0**	ug/kg	413	45.0	1	01/25/18 15:00	01/29/18 20:45	193-39-5	
Isophorone	**<37.5**	ug/kg	413	37.5	1	01/25/18 15:00	01/29/18 20:45	78-59-1	
2-Methylnaphthalene	**<30.0**	ug/kg	413	30.0	1	01/25/18 15:00	01/29/18 20:45	91-57-6	
2-Methylphenol(o-Cresol)	**<38.8**	ug/kg	413	38.8	1	01/25/18 15:00	01/29/18 20:45	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<45.0**	ug/kg	413	45.0	1	01/25/18 15:00	01/29/18 20:45		
Naphthalene	**<32.5**	ug/kg	413	32.5	1	01/25/18 15:00	01/29/18 20:45	91-20-3	
2-Nitroaniline	**<70.0**	ug/kg	825	70.0	1	01/25/18 15:00	01/29/18 20:45	88-74-4	
3-Nitroaniline	**<125**	ug/kg	825	125	1	01/25/18 15:00	01/29/18 20:45	99-09-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-7 (3-5) **Lab ID: 60262644008** Collected: 01/23/18 13:50 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<106**	ug/kg	825	106	1	01/25/18 15:00	01/29/18 20:45	100-01-6	
Nitrobenzene	**<38.8**	ug/kg	413	38.8	1	01/25/18 15:00	01/29/18 20:45	98-95-3	
2-Nitrophenol	**<57.5**	ug/kg	413	57.5	1	01/25/18 15:00	01/29/18 20:45	88-75-5	
4-Nitrophenol	**<65.0**	ug/kg	2090	65.0	1	01/25/18 15:00	01/29/18 20:45	100-02-7	
N-Nitroso-di-n-propylamine	**<41.3**	ug/kg	413	41.3	1	01/25/18 15:00	01/29/18 20:45	621-64-7	
N-Nitrosodiphenylamine	**<32.5**	ug/kg	413	32.5	1	01/25/18 15:00	01/29/18 20:45	86-30-6	
Pentachlorophenol	**<38.8**	ug/kg	2090	38.8	1	01/25/18 15:00	01/29/18 20:45	87-86-5	
Phenanthrene	**<38.8**	ug/kg	413	38.8	1	01/25/18 15:00	01/29/18 20:45	85-01-8	
Phenol	**<32.5**	ug/kg	413	32.5	1	01/25/18 15:00	01/29/18 20:45	108-95-2	
Pyrene	**<41.3**	ug/kg	413	41.3	1	01/25/18 15:00	01/29/18 20:45	129-00-0	
Pyridine	**<33.8**	ug/kg	413	33.8	1	01/25/18 15:00	01/29/18 20:45	110-86-1	
1,2,4-Trichlorobenzene	**<37.5**	ug/kg	413	37.5	1	01/25/18 15:00	01/29/18 20:45	120-82-1	
2,4,5-Trichlorophenol	**<37.5**	ug/kg	413	37.5	1	01/25/18 15:00	01/29/18 20:45	95-95-4	
2,4,6-Trichlorophenol	**<38.8**	ug/kg	413	38.8	1	01/25/18 15:00	01/29/18 20:45	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	69	%	41-114		1	01/25/18 15:00	01/29/18 20:45	4165-60-0	
2-Fluorobiphenyl (S)	74	%	61-109		1	01/25/18 15:00	01/29/18 20:45	321-60-8	
Terphenyl-d14 (S)	77	%	48-120		1	01/25/18 15:00	01/29/18 20:45	1718-51-0	
Phenol-d6 (S)	70	%	48-102		1	01/25/18 15:00	01/29/18 20:45	13127-88-3	
2-Fluorophenol (S)	67	%	46-102		1	01/25/18 15:00	01/29/18 20:45	367-12-4	
2,4,6-Tribromophenol (S)	89	%	39-114		1	01/25/18 15:00	01/29/18 20:45	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**19.2**	mg/kg	18.8	1.5	1	01/25/18 15:00	01/27/18 16:57		B
TPH-DRO	**3.9J**	mg/kg	18.8	1.5	1	01/25/18 15:00	01/27/18 16:57		
Surrogates									
Nitrobenzene-d5 (S)	110	%	41-114		1	01/25/18 15:00	01/27/18 16:57	4165-60-0	
2-Fluorobiphenyl (S)	57	%	61-109		1	01/25/18 15:00	01/27/18 16:57	321-60-8	S0
Terphenyl-d14 (S)	61	%	48-120		1	01/25/18 15:00	01/27/18 16:57	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.67**	mg/kg	1.3	0.67	1		01/31/18 16:21		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**<26.8**	ug/kg	53.6	26.8	1		01/31/18 16:21	67-64-1	
Benzene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	71-43-2	
Bromobenzene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	108-86-1	
Bromochloromethane	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	74-97-5	
Bromodichloromethane	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	75-27-4	
Bromoform	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	75-25-2	
Bromomethane	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	74-83-9	
2-Butanone (MEK)	**<13.4**	ug/kg	26.8	13.4	1		01/31/18 16:21	78-93-3	
n-Butylbenzene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	104-51-8	
sec-Butylbenzene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	135-98-8	
tert-Butylbenzene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	98-06-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-7 (3-5) **Lab ID: 60262644008** Collected: 01/23/18 13:50 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	75-15-0	
Carbon tetrachloride	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	56-23-5	
Chlorobenzene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	108-90-7	
Chloroethane	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	75-00-3	
Chloroform	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	67-66-3	
Chloromethane	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	74-87-3	
2-Chlorotoluene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	95-49-8	
4-Chlorotoluene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	106-43-4	
1,2-Dibromo-3-chloropropane	**<13.4**	ug/kg	26.8	13.4	1		01/31/18 16:21	96-12-8	
Dibromochloromethane	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	124-48-1	
1,2-Dibromoethane (EDB)	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	106-93-4	
Dibromomethane	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	74-95-3	
1,2-Dichlorobenzene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	95-50-1	
1,3-Dichlorobenzene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	541-73-1	
1,4-Dichlorobenzene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	106-46-7	
Dichlorodifluoromethane	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	75-71-8	
1,1-Dichloroethane	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	75-34-3	
1,2-Dichloroethane	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	107-06-2	
1,2-Dichloroethene (Total)	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	540-59-0	
1,1-Dichloroethene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	75-35-4	
cis-1,2-Dichloroethene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	156-59-2	
trans-1,2-Dichloroethene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	156-60-5	L2
1,2-Dichloropropane	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	78-87-5	
1,3-Dichloropropane	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	142-28-9	
2,2-Dichloropropane	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	594-20-7	
1,1-Dichloropropene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	563-58-6	
cis-1,3-Dichloropropene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	10061-01-5	
trans-1,3-Dichloropropene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	10061-02-6	
Ethylbenzene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	100-41-4	
Hexachloro-1,3-butadiene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	87-68-3	
2-Hexanone	**<26.8**	ug/kg	53.6	26.8	1		01/31/18 16:21	591-78-6	
Isopropylbenzene (Cumene)	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	98-82-8	
p-Isopropyltoluene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	99-87-6	
Methylene chloride	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<13.4**	ug/kg	26.8	13.4	1		01/31/18 16:21	108-10-1	
Methyl-tert-butyl ether	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	1634-04-4	
Naphthalene	**<13.4**	ug/kg	26.8	13.4	1		01/31/18 16:21	91-20-3	
n-Propylbenzene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	103-65-1	
Styrene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	100-42-5	
1,1,1,2-Tetrachloroethane	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	630-20-6	
1,1,2,2-Tetrachloroethane	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	79-34-5	
Tetrachloroethene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	127-18-4	
Toluene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	108-88-3	
1,2,3-Trichlorobenzene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	87-61-6	
1,2,4-Trichlorobenzene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	120-82-1	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-7 (3-5) **Lab ID: 60262644008** Collected: 01/23/18 13:50 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	71-55-6	
1,1,2-Trichloroethane	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	79-00-5	
Trichloroethene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	79-01-6	
Trichlorofluoromethane	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	75-69-4	
1,2,3-Trichloropropane	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	96-18-4	
1,2,4-Trimethylbenzene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	95-63-6	
1,3,5-Trimethylbenzene	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	108-67-8	
Vinyl chloride	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	75-01-4	
Xylene (Total)	**<6.7**	ug/kg	13.4	6.7	1		01/31/18 16:21	1330-20-7	
Surrogates									
Toluene-d8 (S)	98	%	78-122		1		01/31/18 16:21	2037-26-5	
4-Bromofluorobenzene (S)	104	%	69-133		1		01/31/18 16:21	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%	80-123		1		01/31/18 16:21	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**20.7**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**9.0**	Std. Units	0.10	0.10	1		01/30/18 10:40		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**382**	mg/kg	126	62.8	10	02/05/18 08:00	02/06/18 03:56	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**115**	mg/kg	12.6	6.3	10	02/05/18 16:00	02/06/18 03:56	14797-55-8	
Nitrite as N	**<6.3**	mg/kg	12.6	6.3	10	02/05/18 16:00	02/06/18 03:56	14797-65-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-8 (0-1) **Lab ID: 60262644009** Collected: 01/23/18 15:00 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.65**	ug/kg	1.8	0.65	1	01/29/18 08:55	01/30/18 16:44	309-00-2	
alpha-BHC	**<0.29**	ug/kg	1.8	0.29	1	01/29/18 08:55	01/30/18 16:44	319-84-6	
beta-BHC	**<0.96**	ug/kg	3.0	0.96	1	01/29/18 08:55	01/30/18 16:44	319-85-7	
delta-BHC	**<0.87**	ug/kg	2.6	0.87	1	01/29/18 08:55	01/30/18 16:44	319-86-8	
gamma-BHC (Lindane)	**<0.82**	ug/kg	2.6	0.82	1	01/29/18 08:55	01/30/18 16:44	58-89-9	
Chlordane (Technical)	**<51.3**	ug/kg	274	51.3	1	01/29/18 08:55	01/30/18 16:44	57-74-9	
alpha-Chlordane	**<0.73**	ug/kg	3.0	0.73	1	01/29/18 08:55	01/30/18 16:44	5103-71-9	
gamma-Chlordane	**<1.2**	ug/kg	3.0	1.2	1	01/29/18 08:55	01/30/18 16:44	5103-74-2	
4,4'-DDD	**<0.60**	ug/kg	1.8	0.60	1	01/29/18 08:55	01/30/18 16:44	72-54-8	
4,4'-DDE	**<0.57**	ug/kg	1.8	0.57	1	01/29/18 08:55	01/30/18 16:44	72-55-9	
4,4'-DDT	**<1.2**	ug/kg	2.6	1.2	1	01/29/18 08:55	01/30/18 16:44	50-29-3	
Dieldrin	**<0.79**	ug/kg	2.6	0.79	1	01/29/18 08:55	01/30/18 16:44	60-57-1	
Endosulfan I	**<0.85**	ug/kg	2.6	0.85	1	01/29/18 08:55	01/30/18 16:44	959-98-8	
Endosulfan II	**<0.59**	ug/kg	1.8	0.59	1	01/29/18 08:55	01/30/18 16:44	33213-65-9	
Endosulfan sulfate	**<0.84**	ug/kg	2.6	0.84	1	01/29/18 08:55	01/30/18 16:44	1031-07-8	
Endrin	**<0.85**	ug/kg	3.0	0.85	1	01/29/18 08:55	01/30/18 16:44	72-20-8	
Endrin aldehyde	**<0.85**	ug/kg	2.6	0.85	1	01/29/18 08:55	01/30/18 16:44	7421-93-4	
Endrin ketone	**<1.0**	ug/kg	3.7	1.0	1	01/29/18 08:55	01/30/18 16:44	53494-70-5	
Heptachlor	**<1.4**	ug/kg	3.7	1.4	1	01/29/18 08:55	01/30/18 16:44	76-44-8	
Heptachlor epoxide	**<3.6**	ug/kg	9.1	3.6	1	01/29/18 08:55	01/30/18 16:44	1024-57-3	
Methoxychlor	**<1.1**	ug/kg	3.7	1.1	1	01/29/18 08:55	01/30/18 16:44	72-43-5	
Toxaphene	**<94.7**	ug/kg	274	94.7	1	01/29/18 08:55	01/30/18 16:44	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	81	%.	70-130		1	01/29/18 08:55	01/30/18 16:44	877-09-8	
Decachlorobiphenyl (S)	73	%.	70-130		1	01/29/18 08:55	01/30/18 16:44	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<6.1**	ug/kg	12.2	6.1	1	01/29/18 08:55	02/02/18 23:21	22248-79-9	
Azinphos, methyl (Guthion)	**<6.1**	ug/kg	12.2	6.1	1	01/29/18 08:55	02/02/18 23:21	86-50-0	
Bolstar	**<6.1**	ug/kg	12.2	6.1	1	01/29/18 08:55	02/02/18 23:21	35400-43-2	
Chlorpyrifos	**<6.1**	ug/kg	12.2	6.1	1	01/29/18 08:55	02/02/18 23:21	2921-88-2	
Coumaphos	**<6.1**	ug/kg	12.2	6.1	1	01/29/18 08:55	02/02/18 23:21	56-72-4	
Diazinon	**<6.1**	ug/kg	12.2	6.1	1	01/29/18 08:55	02/02/18 23:21	333-41-5	
Dichlorvos	**<3.0**	ug/kg	6.1	3.0	1	01/29/18 08:55	02/02/18 23:21	62-73-7	
Dimethoate	**<6.1**	ug/kg	12.2	6.1	1	01/29/18 08:55	02/02/18 23:21	60-51-5	
Disulfoton	**<3.0**	ug/kg	6.1	3.0	1	01/29/18 08:55	02/02/18 23:21	298-04-4	
EPN (ENT)	**<3.9**	ug/kg	6.1	3.9	1	01/29/18 08:55	02/02/18 23:21	2104-64-5	
Ethoprop	**<3.0**	ug/kg	6.1	3.0	1	01/29/18 08:55	02/02/18 23:21	13194-48-4	
Fensulfothion	**<6.1**	ug/kg	12.2	6.1	1	01/29/18 08:55	02/02/18 23:21	115-90-2	
Fenthion	**<3.0**	ug/kg	6.1	3.0	1	01/29/18 08:55	02/02/18 23:21	55-38-9	
Malathion	**<6.1**	ug/kg	12.2	6.1	1	01/29/18 08:55	02/02/18 23:21	121-75-5	
Methyl parathion	**<3.0**	ug/kg	6.1	3.0	1	01/29/18 08:55	02/02/18 23:21	298-00-0	
Mevinphos	**<3.6**	ug/kg	6.1	3.6	1	01/29/18 08:55	02/02/18 23:21	7786-34-7	
Parathion (Ethyl parathion)	**<6.1**	ug/kg	12.2	6.1	1	01/29/18 08:55	02/02/18 23:21	56-38-2	
Phorate	**<3.0**	ug/kg	6.1	3.0	1	01/29/18 08:55	02/02/18 23:21	298-02-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-8 (0-1) **Lab ID: 60262644009** Collected: 01/23/18 15:00 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<3.0**	ug/kg	6.1	3.0	1	01/29/18 08:55	02/02/18 23:21	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<3.0**	ug/kg	6.1	3.0	1	01/29/18 08:55	02/02/18 23:21	3689-24-5	
Tokuthion (Prothiofos)	**<3.0**	ug/kg	6.1	3.0	1	01/29/18 08:55	02/02/18 23:21	34643-46-4	
Trichloronate	**<6.1**	ug/kg	12.2	6.1	1	01/29/18 08:55	02/02/18 23:21	327-98-0	
Total Demeton	**<5.0**	ug/kg	6.1	5.0	1	01/29/18 08:55	02/02/18 23:21	8065-48-3	N2
Total Merphos	**<6.1**	ug/kg	24.3	6.1	1	01/29/18 08:55	02/02/18 23:21	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	99	%.	11-137		1	01/29/18 08:55	02/02/18 23:21	115-86-6	
Tributylphosphate (S)	119	%.	17-125		1	01/29/18 08:55	02/02/18 23:21	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/31/18 17:24	94-75-7	
Dalapon	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/31/18 17:24	75-99-0	
2,4-DB	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/31/18 17:24	94-82-6	
Dicamba	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/31/18 17:24	1918-00-9	
Dichloroprop	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/31/18 17:24	15165-67-0	
Dinoseb	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/31/18 17:24	88-85-7	CH
MCPA	**<303**	ug/kg	303	303	1	01/29/18 16:21	01/31/18 17:24	94-74-6	
MCPP	**<303**	ug/kg	303	303	1	01/29/18 16:21	01/31/18 17:24	7085-19-0	
2,4,5-T	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/31/18 17:24	93-76-5	
2,4,5-TP (Silvex)	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/31/18 17:24	93-72-1	
Surrogates									
2,4-DCAA (S)	11	%.	10-188		1	01/29/18 16:21	01/31/18 17:24	19719-28-9	
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**7.1**	mg/kg	1.2	0.51	1	01/30/18 14:45	02/01/18 17:38	7440-38-2	
Barium	**208**	mg/kg	0.61	0.038	1	01/30/18 14:45	02/01/18 17:38	7440-39-3	
Cadmium	**1.8**	mg/kg	0.61	0.045	1	01/30/18 14:45	02/01/18 17:38	7440-43-9	
Chromium	**16.1**	mg/kg	0.61	0.12	1	01/30/18 14:45	02/01/18 17:38	7440-47-3	
Lead	**42.8**	mg/kg	0.61	0.26	1	01/30/18 14:45	02/01/18 17:38	7439-92-1	
Selenium	**<0.92**	mg/kg	1.8	0.92	1	01/30/18 14:45	02/01/18 17:38	7782-49-2	
Silver	**<0.20**	mg/kg	0.86	0.20	1	01/30/18 14:45	02/01/18 17:38	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.057**	mg/kg	0.050	0.0066	1	01/25/18 09:26	01/25/18 12:19	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<42.9**	ug/kg	404	42.9	1	01/25/18 15:00	01/29/18 21:07	83-32-9	
Acenaphthylene	**<38.0**	ug/kg	404	38.0	1	01/25/18 15:00	01/29/18 21:07	208-96-8	
Anthracene	**<42.9**	ug/kg	404	42.9	1	01/25/18 15:00	01/29/18 21:07	120-12-7	
Benzo(a)anthracene	**<36.8**	ug/kg	404	36.8	1	01/25/18 15:00	01/29/18 21:07	56-55-3	
Benzo(a)pyrene	**<31.9**	ug/kg	404	31.9	1	01/25/18 15:00	01/29/18 21:07	50-32-8	
Benzo(b)fluoranthene	**<28.2**	ug/kg	404	28.2	1	01/25/18 15:00	01/29/18 21:07	205-99-2	
Benzo(g,h,i)perylene	**<39.2**	ug/kg	404	39.2	1	01/25/18 15:00	01/29/18 21:07	191-24-2	
Benzo(k)fluoranthene	**<47.8**	ug/kg	404	47.8	1	01/25/18 15:00	01/29/18 21:07	207-08-9	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-8 (0-1) **Lab ID: 60262644009** Collected: 01/23/18 15:00 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<38.0**	ug/kg	2050	38.0	1	01/25/18 15:00	01/29/18 21:07	65-85-0	
Benzyl alcohol	**<126**	ug/kg	809	126	1	01/25/18 15:00	01/29/18 21:07	100-51-6	
4-Bromophenylphenyl ether	**<31.9**	ug/kg	404	31.9	1	01/25/18 15:00	01/29/18 21:07	101-55-3	
Butylbenzylphthalate	**<52.7**	ug/kg	404	52.7	1	01/25/18 15:00	01/29/18 21:07	85-68-7	
Carbazole	**<33.1**	ug/kg	404	33.1	1	01/25/18 15:00	01/29/18 21:07	86-74-8	
4-Chloro-3-methylphenol	**<44.1**	ug/kg	809	44.1	1	01/25/18 15:00	01/29/18 21:07	59-50-7	
4-Chloroaniline	**<79.6**	ug/kg	809	79.6	1	01/25/18 15:00	01/29/18 21:07	106-47-8	
bis(2-Chloroethoxy)methane	**<31.9**	ug/kg	404	31.9	1	01/25/18 15:00	01/29/18 21:07	111-91-1	
bis(2-Chloroethyl) ether	**<31.9**	ug/kg	404	31.9	1	01/25/18 15:00	01/29/18 21:07	111-44-4	
bis(2-Chloroisopropyl) ether	**<31.9**	ug/kg	404	31.9	1	01/25/18 15:00	01/29/18 21:07	39638-32-9	
2-Chloronaphthalene	**<34.3**	ug/kg	404	34.3	1	01/25/18 15:00	01/29/18 21:07	91-58-7	
2-Chlorophenol	**<33.1**	ug/kg	404	33.1	1	01/25/18 15:00	01/29/18 21:07	95-57-8	
4-Chlorophenylphenyl ether	**<39.2**	ug/kg	404	39.2	1	01/25/18 15:00	01/29/18 21:07	7005-72-3	
Chrysene	**<34.3**	ug/kg	404	34.3	1	01/25/18 15:00	01/29/18 21:07	218-01-9	
Dibenz(a,h)anthracene	**<36.8**	ug/kg	404	36.8	1	01/25/18 15:00	01/29/18 21:07	53-70-3	
Dibenzofuran	**<36.8**	ug/kg	404	36.8	1	01/25/18 15:00	01/29/18 21:07	132-64-9	
1,2-Dichlorobenzene	**<30.6**	ug/kg	404	30.6	1	01/25/18 15:00	01/29/18 21:07	95-50-1	
1,3-Dichlorobenzene	**<34.3**	ug/kg	404	34.3	1	01/25/18 15:00	01/29/18 21:07	541-73-1	
1,4-Dichlorobenzene	**<35.5**	ug/kg	404	35.5	1	01/25/18 15:00	01/29/18 21:07	106-46-7	
3,3'-Dichlorobenzidine	**<138**	ug/kg	809	138	1	01/25/18 15:00	01/29/18 21:07	91-94-1	
2,4-Dichlorophenol	**<36.8**	ug/kg	404	36.8	1	01/25/18 15:00	01/29/18 21:07	120-83-2	
Diethylphthalate	**<38.0**	ug/kg	404	38.0	1	01/25/18 15:00	01/29/18 21:07	84-66-2	
2,4-Dimethylphenol	**<22.1**	ug/kg	404	22.1	1	01/25/18 15:00	01/29/18 21:07	105-67-9	
Dimethylphthalate	**<39.2**	ug/kg	404	39.2	1	01/25/18 15:00	01/29/18 21:07	131-11-3	
Di-n-butylphthalate	**<42.9**	ug/kg	404	42.9	1	01/25/18 15:00	01/29/18 21:07	84-74-2	
4,6-Dinitro-2-methylphenol	**<53.9**	ug/kg	2050	53.9	1	01/25/18 15:00	01/29/18 21:07	534-52-1	
2,4-Dinitrophenol	**<58.8**	ug/kg	2050	58.8	1	01/25/18 15:00	01/29/18 21:07	51-28-5	
2,4-Dinitrotoluene	**<34.3**	ug/kg	404	34.3	1	01/25/18 15:00	01/29/18 21:07	121-14-2	
2,6-Dinitrotoluene	**<41.7**	ug/kg	404	41.7	1	01/25/18 15:00	01/29/18 21:07	606-20-2	
Di-n-octylphthalate	**<47.8**	ug/kg	404	47.8	1	01/25/18 15:00	01/29/18 21:07	117-84-0	
bis(2-Ethylhexyl)phthalate	**<140**	ug/kg	404	140	1	01/25/18 15:00	01/29/18 21:07	117-81-7	
Fluoranthene	**<38.0**	ug/kg	404	38.0	1	01/25/18 15:00	01/29/18 21:07	206-44-0	
Fluorene	**<38.0**	ug/kg	404	38.0	1	01/25/18 15:00	01/29/18 21:07	86-73-7	
Hexachloro-1,3-butadiene	**<40.4**	ug/kg	404	40.4	1	01/25/18 15:00	01/29/18 21:07	87-68-3	
Hexachlorobenzene	**<39.2**	ug/kg	404	39.2	1	01/25/18 15:00	01/29/18 21:07	118-74-1	
Hexachlorocyclopentadiene	**<85.8**	ug/kg	404	85.8	1	01/25/18 15:00	01/29/18 21:07	77-47-4	
Hexachloroethane	**<30.6**	ug/kg	404	30.6	1	01/25/18 15:00	01/29/18 21:07	67-72-1	
Indeno(1,2,3-cd)pyrene	**<44.1**	ug/kg	404	44.1	1	01/25/18 15:00	01/29/18 21:07	193-39-5	
Isophorone	**<36.8**	ug/kg	404	36.8	1	01/25/18 15:00	01/29/18 21:07	78-59-1	
2-Methylnaphthalene	**<29.4**	ug/kg	404	29.4	1	01/25/18 15:00	01/29/18 21:07	91-57-6	
2-Methylphenol(o-Cresol)	**<38.0**	ug/kg	404	38.0	1	01/25/18 15:00	01/29/18 21:07	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<44.1**	ug/kg	404	44.1	1	01/25/18 15:00	01/29/18 21:07		
Naphthalene	**<31.9**	ug/kg	404	31.9	1	01/25/18 15:00	01/29/18 21:07	91-20-3	
2-Nitroaniline	**<68.6**	ug/kg	809	68.6	1	01/25/18 15:00	01/29/18 21:07	88-74-4	
3-Nitroaniline	**<123**	ug/kg	809	123	1	01/25/18 15:00	01/29/18 21:07	99-09-2	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-8 (0-1) **Lab ID: 60262644009** Collected: 01/23/18 15:00 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<104**	ug/kg	809	104	1	01/25/18 15:00	01/29/18 21:07	100-01-6	
Nitrobenzene	**<38.0**	ug/kg	404	38.0	1	01/25/18 15:00	01/29/18 21:07	98-95-3	
2-Nitrophenol	**<56.4**	ug/kg	404	56.4	1	01/25/18 15:00	01/29/18 21:07	88-75-5	
4-Nitrophenol	**<63.7**	ug/kg	2050	63.7	1	01/25/18 15:00	01/29/18 21:07	100-02-7	
N-Nitroso-di-n-propylamine	**<40.4**	ug/kg	404	40.4	1	01/25/18 15:00	01/29/18 21:07	621-64-7	
N-Nitrosodiphenylamine	**<31.9**	ug/kg	404	31.9	1	01/25/18 15:00	01/29/18 21:07	86-30-6	
Pentachlorophenol	**<38.0**	ug/kg	2050	38.0	1	01/25/18 15:00	01/29/18 21:07	87-86-5	
Phenanthrene	**<38.0**	ug/kg	404	38.0	1	01/25/18 15:00	01/29/18 21:07	85-01-8	
Phenol	**<31.9**	ug/kg	404	31.9	1	01/25/18 15:00	01/29/18 21:07	108-95-2	
Pyrene	**<40.4**	ug/kg	404	40.4	1	01/25/18 15:00	01/29/18 21:07	129-00-0	
Pyridine	**<33.1**	ug/kg	404	33.1	1	01/25/18 15:00	01/29/18 21:07	110-86-1	
1,2,4-Trichlorobenzene	**<36.8**	ug/kg	404	36.8	1	01/25/18 15:00	01/29/18 21:07	120-82-1	
2,4,5-Trichlorophenol	**<36.8**	ug/kg	404	36.8	1	01/25/18 15:00	01/29/18 21:07	95-95-4	
2,4,6-Trichlorophenol	**<38.0**	ug/kg	404	38.0	1	01/25/18 15:00	01/29/18 21:07	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	70	%	41-114		1	01/25/18 15:00	01/29/18 21:07	4165-60-0	
2-Fluorobiphenyl (S)	75	%	61-109		1	01/25/18 15:00	01/29/18 21:07	321-60-8	
Terphenyl-d14 (S)	80	%	48-120		1	01/25/18 15:00	01/29/18 21:07	1718-51-0	
Phenol-d6 (S)	72	%	48-102		1	01/25/18 15:00	01/29/18 21:07	13127-88-3	
2-Fluorophenol (S)	62	%	46-102		1	01/25/18 15:00	01/29/18 21:07	367-12-4	
2,4,6-Tribromophenol (S)	64	%	39-114		1	01/25/18 15:00	01/29/18 21:07	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**50.1**	mg/kg	18.2	1.5	1	01/25/18 15:00	01/27/18 17:18		
TPH-DRO	**16.7J**	mg/kg	18.2	1.5	1	01/25/18 15:00	01/27/18 17:18		
Surrogates									
Nitrobenzene-d5 (S)	99	%	41-114		1	01/25/18 15:00	01/27/18 17:18	4165-60-0	
2-Fluorobiphenyl (S)	85	%	61-109		1	01/25/18 15:00	01/27/18 17:18	321-60-8	
Terphenyl-d14 (S)	81	%	48-120		1	01/25/18 15:00	01/27/18 17:18	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.25**	mg/kg	0.50	0.25	1		01/31/18 16:37		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**47.1**	ug/kg	19.8	9.9	1		01/31/18 16:37	67-64-1	
Benzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	71-43-2	
Bromobenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	108-86-1	
Bromochloromethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	74-97-5	
Bromodichloromethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	75-27-4	
Bromoform	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	75-25-2	
Bromomethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/kg	9.9	5.0	1		01/31/18 16:37	78-93-3	
n-Butylbenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	104-51-8	
sec-Butylbenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	135-98-8	
tert-Butylbenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	98-06-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-8 (0-1) **Lab ID: 60262644009** Collected: 01/23/18 15:00 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	75-15-0	
Carbon tetrachloride	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	56-23-5	
Chlorobenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	108-90-7	
Chloroethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	75-00-3	
Chloroform	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	67-66-3	
Chloromethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	74-87-3	
2-Chlorotoluene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	95-49-8	
4-Chlorotoluene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.0**	ug/kg	9.9	5.0	1		01/31/18 16:37	96-12-8	
Dibromochloromethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	124-48-1	
1,2-Dibromoethane (EDB)	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	106-93-4	
Dibromomethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	74-95-3	
1,2-Dichlorobenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	95-50-1	
1,3-Dichlorobenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	541-73-1	
1,4-Dichlorobenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	106-46-7	
Dichlorodifluoromethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	75-71-8	
1,1-Dichloroethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	75-34-3	
1,2-Dichloroethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	107-06-2	
1,2-Dichloroethene (Total)	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	540-59-0	
1,1-Dichloroethene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	75-35-4	
cis-1,2-Dichloroethene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	156-59-2	
trans-1,2-Dichloroethene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	156-60-5	L2
1,2-Dichloropropane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	78-87-5	
1,3-Dichloropropane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	142-28-9	
2,2-Dichloropropane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	594-20-7	
1,1-Dichloropropene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	563-58-6	
cis-1,3-Dichloropropene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	10061-01-5	
trans-1,3-Dichloropropene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	10061-02-6	
Ethylbenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	100-41-4	
Hexachloro-1,3-butadiene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	87-68-3	
2-Hexanone	**<9.9**	ug/kg	19.8	9.9	1		01/31/18 16:37	591-78-6	
Isopropylbenzene (Cumene)	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	98-82-8	
p-Isopropyltoluene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	99-87-6	
Methylene chloride	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/kg	9.9	5.0	1		01/31/18 16:37	108-10-1	
Methyl-tert-butyl ether	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	1634-04-4	
Naphthalene	**<5.0**	ug/kg	9.9	5.0	1		01/31/18 16:37	91-20-3	
n-Propylbenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	103-65-1	
Styrene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	79-34-5	
Tetrachloroethene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	127-18-4	
Toluene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	108-88-3	
1,2,3-Trichlorobenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	87-61-6	
1,2,4-Trichlorobenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	120-82-1	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-8 (0-1) **Lab ID: 60262644009** Collected: 01/23/18 15:00 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**15.1**	ug/kg	5.0	2.5	1		01/31/18 16:37	71-55-6	
1,1,2-Trichloroethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	79-00-5	
Trichloroethene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	79-01-6	
Trichlorofluoromethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	75-69-4	
1,2,3-Trichloropropane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	96-18-4	
1,2,4-Trimethylbenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	95-63-6	
1,3,5-Trimethylbenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	108-67-8	
Vinyl chloride	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	75-01-4	
Xylene (Total)	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 16:37	1330-20-7	
Surrogates									
Toluene-d8 (S)	99	%	78-122		1		01/31/18 16:37	2037-26-5	
4-Bromofluorobenzene (S)	104	%	69-133		1		01/31/18 16:37	460-00-4	
1,2-Dichloroethane-d4 (S)	117	%	80-123		1		01/31/18 16:37	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**18.7**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**9.7**	Std. Units	0.10	0.10	1		01/30/18 10:40		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**65.5J**	mg/kg	121	60.3	10	02/05/18 08:00	02/06/18 04:10	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**<6.0**	mg/kg	12.1	6.0	10	02/05/18 16:00	02/06/18 04:10	14797-55-8	
Nitrite as N	**<6.0**	mg/kg	12.1	6.0	10	02/05/18 16:00	02/06/18 04:10	14797-65-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-8 (3-5) **Lab ID: 60262644010** Collected: 01/23/18 15:10 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.67**	ug/kg	1.9	0.67	1	01/29/18 08:55	01/30/18 16:58	309-00-2	
alpha-BHC	**<0.30**	ug/kg	1.9	0.30	1	01/29/18 08:55	01/30/18 16:58	319-84-6	
beta-BHC	**<1.0**	ug/kg	3.2	1.0	1	01/29/18 08:55	01/30/18 16:58	319-85-7	
delta-BHC	**<0.91**	ug/kg	2.7	0.91	1	01/29/18 08:55	01/30/18 16:58	319-86-8	
gamma-BHC (Lindane)	**<0.85**	ug/kg	2.7	0.85	1	01/29/18 08:55	01/30/18 16:58	58-89-9	
Chlordane (Technical)	**<53.4**	ug/kg	285	53.4	1	01/29/18 08:55	01/30/18 16:58	57-74-9	
alpha-Chlordane	**<0.76**	ug/kg	3.2	0.76	1	01/29/18 08:55	01/30/18 16:58	5103-71-9	
gamma-Chlordane	**<1.3**	ug/kg	3.2	1.3	1	01/29/18 08:55	01/30/18 16:58	5103-74-2	
4,4'-DDD	**<0.62**	ug/kg	1.9	0.62	1	01/29/18 08:55	01/30/18 16:58	72-54-8	
4,4'-DDE	**<0.59**	ug/kg	1.9	0.59	1	01/29/18 08:55	01/30/18 16:58	72-55-9	
4,4'-DDT	**<1.2**	ug/kg	2.7	1.2	1	01/29/18 08:55	01/30/18 16:58	50-29-3	
Dieldrin	**<0.82**	ug/kg	2.7	0.82	1	01/29/18 08:55	01/30/18 16:58	60-57-1	
Endosulfan I	**<0.88**	ug/kg	2.7	0.88	1	01/29/18 08:55	01/30/18 16:58	959-98-8	
Endosulfan II	**<0.61**	ug/kg	1.9	0.61	1	01/29/18 08:55	01/30/18 16:58	33213-65-9	
Endosulfan sulfate	**<0.87**	ug/kg	2.7	0.87	1	01/29/18 08:55	01/30/18 16:58	1031-07-8	
Endrin	**<0.88**	ug/kg	3.2	0.88	1	01/29/18 08:55	01/30/18 16:58	72-20-8	
Endrin aldehyde	**<0.88**	ug/kg	2.7	0.88	1	01/29/18 08:55	01/30/18 16:58	7421-93-4	
Endrin ketone	**<1.0**	ug/kg	3.8	1.0	1	01/29/18 08:55	01/30/18 16:58	53494-70-5	
Heptachlor	**<1.4**	ug/kg	3.8	1.4	1	01/29/18 08:55	01/30/18 16:58	76-44-8	
Heptachlor epoxide	**<3.8**	ug/kg	9.5	3.8	1	01/29/18 08:55	01/30/18 16:58	1024-57-3	
Methoxychlor	**<1.1**	ug/kg	3.8	1.1	1	01/29/18 08:55	01/30/18 16:58	72-43-5	
Toxaphene	**<98.5**	ug/kg	285	98.5	1	01/29/18 08:55	01/30/18 16:58	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	81	%.	70-130		1	01/29/18 08:55	01/30/18 16:58	877-09-8	
Decachlorobiphenyl (S)	73	%.	70-130		1	01/29/18 08:55	01/30/18 16:58	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/06/18 14:08	22248-79-9	
Azinphos, methyl (Guthion)	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/06/18 14:08	86-50-0	
Bolstar	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/06/18 14:08	35400-43-2	
Chlorpyrifos	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/06/18 14:08	2921-88-2	
Coumaphos	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/06/18 14:08	56-72-4	
Diazinon	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/06/18 14:08	333-41-5	
Dichlorvos	**<3.2**	ug/kg	6.3	3.2	1	01/29/18 08:55	02/06/18 14:08	62-73-7	
Dimethoate	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/06/18 14:08	60-51-5	
Disulfoton	**<3.2**	ug/kg	6.3	3.2	1	01/29/18 08:55	02/06/18 14:08	298-04-4	
EPN (ENT)	**<4.0**	ug/kg	6.3	4.0	1	01/29/18 08:55	02/06/18 14:08	2104-64-5	
Ethoprop	**<3.2**	ug/kg	6.3	3.2	1	01/29/18 08:55	02/06/18 14:08	13194-48-4	
Fensulfothion	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/06/18 14:08	115-90-2	
Fenthion	**<3.2**	ug/kg	6.3	3.2	1	01/29/18 08:55	02/06/18 14:08	55-38-9	
Malathion	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/06/18 14:08	121-75-5	
Methyl parathion	**<3.2**	ug/kg	6.3	3.2	1	01/29/18 08:55	02/06/18 14:08	298-00-0	
Mevinphos	**<3.7**	ug/kg	6.3	3.7	1	01/29/18 08:55	02/06/18 14:08	7786-34-7	
Parathion (Ethyl parathion)	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/06/18 14:08	56-38-2	
Phorate	**<3.2**	ug/kg	6.3	3.2	1	01/29/18 08:55	02/06/18 14:08	298-02-2	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-8 (3-5) **Lab ID: 60262644010** Collected: 01/23/18 15:10 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<3.2**	ug/kg	6.3	3.2	1	01/29/18 08:55	02/06/18 14:08	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<3.2**	ug/kg	6.3	3.2	1	01/29/18 08:55	02/06/18 14:08	3689-24-5	
Tokuthion (Prothiofos)	**<3.2**	ug/kg	6.3	3.2	1	01/29/18 08:55	02/06/18 14:08	34643-46-4	
Trichloronate	**<6.3**	ug/kg	12.6	6.3	1	01/29/18 08:55	02/06/18 14:08	327-98-0	
Total Demeton	**<5.2**	ug/kg	6.3	5.2	1	01/29/18 08:55	02/06/18 14:08	8065-48-3	N2
Total Merphos	**<6.3**	ug/kg	25.3	6.3	1	01/29/18 08:55	02/06/18 14:08	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	91	%.	11-137		1	01/29/18 08:55	02/06/18 14:08	115-86-6	
Tributylphosphate (S)	122	%.	17-125		1	01/29/18 08:55	02/06/18 14:08	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 12:28	94-75-7	
Dalapon	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 12:28	75-99-0	
2,4-DB	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 12:28	94-82-6	
Dicamba	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 12:28	1918-00-9	
Dichloroprop	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 12:28	15165-67-0	
Dinoseb	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 12:28	88-85-7	
MCPA	**<309**	ug/kg	309	309	1	01/29/18 16:21	01/30/18 12:28	94-74-6	
MCPP	**<309**	ug/kg	309	309	1	01/29/18 16:21	01/30/18 12:28	7085-19-0	
2,4,5-T	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 12:28	93-76-5	
2,4,5-TP (Silvex)	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 12:28	93-72-1	
Surrogates									
2,4-DCAA (S)	12	%.	10-188		1	01/29/18 16:21	01/30/18 12:28	19719-28-9	
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**5.8**	mg/kg	1.1	0.45	1	01/30/18 14:45	02/01/18 17:44	7440-38-2	
Barium	**145**	mg/kg	0.55	0.034	1	01/30/18 14:45	02/01/18 17:44	7440-39-3	
Cadmium	**0.19J**	mg/kg	0.55	0.041	1	01/30/18 14:45	02/01/18 17:44	7440-43-9	
Chromium	**16.6**	mg/kg	0.55	0.11	1	01/30/18 14:45	02/01/18 17:44	7440-47-3	
Lead	**9.4**	mg/kg	0.55	0.23	1	01/30/18 14:45	02/01/18 17:44	7439-92-1	
Selenium	**<0.82**	mg/kg	1.6	0.82	1	01/30/18 14:45	02/01/18 17:44	7782-49-2	
Silver	**<0.18**	mg/kg	0.77	0.18	1	01/30/18 14:45	02/01/18 17:44	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.017J**	mg/kg	0.058	0.0076	1	01/25/18 09:26	01/25/18 12:21	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<43.8**	ug/kg	413	43.8	1	01/25/18 15:00	01/29/18 21:29	83-32-9	
Acenaphthylene	**<38.8**	ug/kg	413	38.8	1	01/25/18 15:00	01/29/18 21:29	208-96-8	
Anthracene	**<43.8**	ug/kg	413	43.8	1	01/25/18 15:00	01/29/18 21:29	120-12-7	
Benzo(a)anthracene	**<37.5**	ug/kg	413	37.5	1	01/25/18 15:00	01/29/18 21:29	56-55-3	
Benzo(a)pyrene	**<32.5**	ug/kg	413	32.5	1	01/25/18 15:00	01/29/18 21:29	50-32-8	
Benzo(b)fluoranthene	**<28.8**	ug/kg	413	28.8	1	01/25/18 15:00	01/29/18 21:29	205-99-2	
Benzo(g,h,i)perylene	**<40.0**	ug/kg	413	40.0	1	01/25/18 15:00	01/29/18 21:29	191-24-2	
Benzo(k)fluoranthene	**<48.8**	ug/kg	413	48.8	1	01/25/18 15:00	01/29/18 21:29	207-08-9	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-8 (3-5) **Lab ID: 60262644010** Collected: 01/23/18 15:10 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<38.8**	ug/kg	2090	38.8	1	01/25/18 15:00	01/29/18 21:29	65-85-0	
Benzyl alcohol	**<129**	ug/kg	826	129	1	01/25/18 15:00	01/29/18 21:29	100-51-6	
4-Bromophenylphenyl ether	**<32.5**	ug/kg	413	32.5	1	01/25/18 15:00	01/29/18 21:29	101-55-3	
Butylbenzylphthalate	**<53.8**	ug/kg	413	53.8	1	01/25/18 15:00	01/29/18 21:29	85-68-7	
Carbazole	**<33.8**	ug/kg	413	33.8	1	01/25/18 15:00	01/29/18 21:29	86-74-8	
4-Chloro-3-methylphenol	**<45.1**	ug/kg	826	45.1	1	01/25/18 15:00	01/29/18 21:29	59-50-7	
4-Chloroaniline	**<81.3**	ug/kg	826	81.3	1	01/25/18 15:00	01/29/18 21:29	106-47-8	
bis(2-Chloroethoxy)methane	**<32.5**	ug/kg	413	32.5	1	01/25/18 15:00	01/29/18 21:29	111-91-1	
bis(2-Chloroethyl) ether	**<32.5**	ug/kg	413	32.5	1	01/25/18 15:00	01/29/18 21:29	111-44-4	
bis(2-Chloroisopropyl) ether	**<32.5**	ug/kg	413	32.5	1	01/25/18 15:00	01/29/18 21:29	39638-32-9	
2-Chloronaphthalene	**<35.0**	ug/kg	413	35.0	1	01/25/18 15:00	01/29/18 21:29	91-58-7	
2-Chlorophenol	**<33.8**	ug/kg	413	33.8	1	01/25/18 15:00	01/29/18 21:29	95-57-8	
4-Chlorophenylphenyl ether	**<40.0**	ug/kg	413	40.0	1	01/25/18 15:00	01/29/18 21:29	7005-72-3	
Chrysene	**<35.0**	ug/kg	413	35.0	1	01/25/18 15:00	01/29/18 21:29	218-01-9	
Dibenz(a,h)anthracene	**<37.5**	ug/kg	413	37.5	1	01/25/18 15:00	01/29/18 21:29	53-70-3	
Dibenzofuran	**<37.5**	ug/kg	413	37.5	1	01/25/18 15:00	01/29/18 21:29	132-64-9	
1,2-Dichlorobenzene	**<31.3**	ug/kg	413	31.3	1	01/25/18 15:00	01/29/18 21:29	95-50-1	
1,3-Dichlorobenzene	**<35.0**	ug/kg	413	35.0	1	01/25/18 15:00	01/29/18 21:29	541-73-1	
1,4-Dichlorobenzene	**<36.3**	ug/kg	413	36.3	1	01/25/18 15:00	01/29/18 21:29	106-46-7	
3,3'-Dichlorobenzidine	**<141**	ug/kg	826	141	1	01/25/18 15:00	01/29/18 21:29	91-94-1	
2,4-Dichlorophenol	**<37.5**	ug/kg	413	37.5	1	01/25/18 15:00	01/29/18 21:29	120-83-2	
Diethylphthalate	**<38.8**	ug/kg	413	38.8	1	01/25/18 15:00	01/29/18 21:29	84-66-2	
2,4-Dimethylphenol	**<22.5**	ug/kg	413	22.5	1	01/25/18 15:00	01/29/18 21:29	105-67-9	
Dimethylphthalate	**<40.0**	ug/kg	413	40.0	1	01/25/18 15:00	01/29/18 21:29	131-11-3	
Di-n-butylphthalate	**<43.8**	ug/kg	413	43.8	1	01/25/18 15:00	01/29/18 21:29	84-74-2	
4,6-Dinitro-2-methylphenol	**<55.1**	ug/kg	2090	55.1	1	01/25/18 15:00	01/29/18 21:29	534-52-1	
2,4-Dinitrophenol	**<60.1**	ug/kg	2090	60.1	1	01/25/18 15:00	01/29/18 21:29	51-28-5	
2,4-Dinitrotoluene	**<35.0**	ug/kg	413	35.0	1	01/25/18 15:00	01/29/18 21:29	121-14-2	
2,6-Dinitrotoluene	**<42.5**	ug/kg	413	42.5	1	01/25/18 15:00	01/29/18 21:29	606-20-2	
Di-n-octylphthalate	**<48.8**	ug/kg	413	48.8	1	01/25/18 15:00	01/29/18 21:29	117-84-0	
bis(2-Ethylhexyl)phthalate	**<143**	ug/kg	413	143	1	01/25/18 15:00	01/29/18 21:29	117-81-7	
Fluoranthene	**<38.8**	ug/kg	413	38.8	1	01/25/18 15:00	01/29/18 21:29	206-44-0	
Fluorene	**<38.8**	ug/kg	413	38.8	1	01/25/18 15:00	01/29/18 21:29	86-73-7	
Hexachloro-1,3-butadiene	**<41.3**	ug/kg	413	41.3	1	01/25/18 15:00	01/29/18 21:29	87-68-3	
Hexachlorobenzene	**<40.0**	ug/kg	413	40.0	1	01/25/18 15:00	01/29/18 21:29	118-74-1	
Hexachlorocyclopentadiene	**<87.6**	ug/kg	413	87.6	1	01/25/18 15:00	01/29/18 21:29	77-47-4	
Hexachloroethane	**<31.3**	ug/kg	413	31.3	1	01/25/18 15:00	01/29/18 21:29	67-72-1	
Indeno(1,2,3-cd)pyrene	**<45.1**	ug/kg	413	45.1	1	01/25/18 15:00	01/29/18 21:29	193-39-5	
Isophorone	**<37.5**	ug/kg	413	37.5	1	01/25/18 15:00	01/29/18 21:29	78-59-1	
2-Methylnaphthalene	**<30.0**	ug/kg	413	30.0	1	01/25/18 15:00	01/29/18 21:29	91-57-6	
2-Methylphenol(o-Cresol)	**<38.8**	ug/kg	413	38.8	1	01/25/18 15:00	01/29/18 21:29	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<45.1**	ug/kg	413	45.1	1	01/25/18 15:00	01/29/18 21:29		
Naphthalene	**<32.5**	ug/kg	413	32.5	1	01/25/18 15:00	01/29/18 21:29	91-20-3	
2-Nitroaniline	**<70.1**	ug/kg	826	70.1	1	01/25/18 15:00	01/29/18 21:29	88-74-4	
3-Nitroaniline	**<125**	ug/kg	826	125	1	01/25/18 15:00	01/29/18 21:29	99-09-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-8 (3-5) **Lab ID: 60262644010** Collected: 01/23/18 15:10 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<106**	ug/kg	826	106	1	01/25/18 15:00	01/29/18 21:29	100-01-6	
Nitrobenzene	**<38.8**	ug/kg	413	38.8	1	01/25/18 15:00	01/29/18 21:29	98-95-3	
2-Nitrophenol	**<57.6**	ug/kg	413	57.6	1	01/25/18 15:00	01/29/18 21:29	88-75-5	
4-Nitrophenol	**<65.1**	ug/kg	2090	65.1	1	01/25/18 15:00	01/29/18 21:29	100-02-7	
N-Nitroso-di-n-propylamine	**<41.3**	ug/kg	413	41.3	1	01/25/18 15:00	01/29/18 21:29	621-64-7	
N-Nitrosodiphenylamine	**<32.5**	ug/kg	413	32.5	1	01/25/18 15:00	01/29/18 21:29	86-30-6	
Pentachlorophenol	**<38.8**	ug/kg	2090	38.8	1	01/25/18 15:00	01/29/18 21:29	87-86-5	
Phenanthrene	**<38.8**	ug/kg	413	38.8	1	01/25/18 15:00	01/29/18 21:29	85-01-8	
Phenol	**<32.5**	ug/kg	413	32.5	1	01/25/18 15:00	01/29/18 21:29	108-95-2	
Pyrene	**<41.3**	ug/kg	413	41.3	1	01/25/18 15:00	01/29/18 21:29	129-00-0	
Pyridine	**<33.8**	ug/kg	413	33.8	1	01/25/18 15:00	01/29/18 21:29	110-86-1	
1,2,4-Trichlorobenzene	**<37.5**	ug/kg	413	37.5	1	01/25/18 15:00	01/29/18 21:29	120-82-1	
2,4,5-Trichlorophenol	**<37.5**	ug/kg	413	37.5	1	01/25/18 15:00	01/29/18 21:29	95-95-4	
2,4,6-Trichlorophenol	**<38.8**	ug/kg	413	38.8	1	01/25/18 15:00	01/29/18 21:29	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	70	%	41-114		1	01/25/18 15:00	01/29/18 21:29	4165-60-0	
2-Fluorobiphenyl (S)	75	%	61-109		1	01/25/18 15:00	01/29/18 21:29	321-60-8	
Terphenyl-d14 (S)	78	%	48-120		1	01/25/18 15:00	01/29/18 21:29	1718-51-0	
Phenol-d6 (S)	70	%	48-102		1	01/25/18 15:00	01/29/18 21:29	13127-88-3	
2-Fluorophenol (S)	69	%	46-102		1	01/25/18 15:00	01/29/18 21:29	367-12-4	
2,4,6-Tribromophenol (S)	93	%	39-114		1	01/25/18 15:00	01/29/18 21:29	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**15.0J**	mg/kg	18.9	1.5	1	01/25/18 15:00	01/30/18 21:51		B
TPH-DRO	**2.3J**	mg/kg	18.9	1.5	1	01/25/18 15:00	01/30/18 21:51		
Surrogates									
Nitrobenzene-d5 (S)	82	%	41-114		1	01/25/18 15:00	01/30/18 21:51	4165-60-0	
2-Fluorobiphenyl (S)	79	%	61-109		1	01/25/18 15:00	01/30/18 21:51	321-60-8	
Terphenyl-d14 (S)	80	%	48-120		1	01/25/18 15:00	01/30/18 21:51	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.33**	mg/kg	0.65	0.33	1		01/31/18 16:53		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**<13.0**	ug/kg	26.0	13.0	1		01/31/18 16:53	67-64-1	
Benzene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	71-43-2	
Bromobenzene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	108-86-1	
Bromochloromethane	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	74-97-5	
Bromodichloromethane	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	75-27-4	
Bromoform	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	75-25-2	
Bromomethane	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	74-83-9	
2-Butanone (MEK)	**<6.5**	ug/kg	13.0	6.5	1		01/31/18 16:53	78-93-3	
n-Butylbenzene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	104-51-8	
sec-Butylbenzene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	135-98-8	
tert-Butylbenzene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	98-06-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-8 (3-5) **Lab ID: 60262644010** Collected: 01/23/18 15:10 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	75-15-0	
Carbon tetrachloride	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	56-23-5	
Chlorobenzene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	108-90-7	
Chloroethane	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	75-00-3	
Chloroform	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	67-66-3	
Chloromethane	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	74-87-3	
2-Chlorotoluene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	95-49-8	
4-Chlorotoluene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	106-43-4	
1,2-Dibromo-3-chloropropane	**<6.5**	ug/kg	13.0	6.5	1		01/31/18 16:53	96-12-8	
Dibromochloromethane	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	124-48-1	
1,2-Dibromoethane (EDB)	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	106-93-4	
Dibromomethane	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	74-95-3	
1,2-Dichlorobenzene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	95-50-1	
1,3-Dichlorobenzene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	541-73-1	
1,4-Dichlorobenzene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	106-46-7	
Dichlorodifluoromethane	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	75-71-8	
1,1-Dichloroethane	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	75-34-3	
1,2-Dichloroethane	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	107-06-2	
1,2-Dichloroethene (Total)	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	540-59-0	
1,1-Dichloroethene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	75-35-4	
cis-1,2-Dichloroethene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	156-59-2	
trans-1,2-Dichloroethene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	156-60-5	L2
1,2-Dichloropropane	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	78-87-5	
1,3-Dichloropropane	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	142-28-9	
2,2-Dichloropropane	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	594-20-7	
1,1-Dichloropropene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	563-58-6	
cis-1,3-Dichloropropene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	10061-01-5	
trans-1,3-Dichloropropene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	10061-02-6	
Ethylbenzene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	100-41-4	
Hexachloro-1,3-butadiene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	87-68-3	
2-Hexanone	**<13.0**	ug/kg	26.0	13.0	1		01/31/18 16:53	591-78-6	
Isopropylbenzene (Cumene)	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	98-82-8	
p-Isopropyltoluene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	99-87-6	
Methylene chloride	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<6.5**	ug/kg	13.0	6.5	1		01/31/18 16:53	108-10-1	
Methyl-tert-butyl ether	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	1634-04-4	
Naphthalene	**<6.5**	ug/kg	13.0	6.5	1		01/31/18 16:53	91-20-3	
n-Propylbenzene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	103-65-1	
Styrene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	100-42-5	
1,1,1,2-Tetrachloroethane	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	630-20-6	
1,1,2,2-Tetrachloroethane	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	79-34-5	
Tetrachloroethene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	127-18-4	
Toluene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	108-88-3	
1,2,3-Trichlorobenzene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	87-61-6	
1,2,4-Trichlorobenzene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	120-82-1	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-8 (3-5) **Lab ID: 60262644010** Collected: 01/23/18 15:10 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	71-55-6	
1,1,2-Trichloroethane	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	79-00-5	
Trichloroethene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	79-01-6	
Trichlorofluoromethane	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	75-69-4	
1,2,3-Trichloropropane	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	96-18-4	
1,2,4-Trimethylbenzene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	95-63-6	
1,3,5-Trimethylbenzene	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	108-67-8	
Vinyl chloride	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	75-01-4	
Xylene (Total)	**<3.3**	ug/kg	6.5	3.3	1		01/31/18 16:53	1330-20-7	
Surrogates									
Toluene-d8 (S)	100	%	78-122		1		01/31/18 16:53	2037-26-5	
4-Bromofluorobenzene (S)	102	%	69-133		1		01/31/18 16:53	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	80-123		1		01/31/18 16:53	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**21.6**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**9.1**	Std. Units	0.10	0.10	1		01/30/18 10:40		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**86.9J**	mg/kg	125	62.6	10	02/05/18 08:00	02/06/18 04:24	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**<6.3**	mg/kg	12.5	6.3	10	02/05/18 16:00	02/06/18 04:24	14797-55-8	
Nitrite as N	**<6.3**	mg/kg	12.5	6.3	10	02/05/18 16:00	02/06/18 04:24	14797-65-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-9 (0-3) **Lab ID: 60262644011** Collected: 01/23/18 16:00 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.64**	ug/kg	1.8	0.64	1	02/02/18 13:00	02/05/18 19:22	309-00-2	
alpha-BHC	**<0.29**	ug/kg	1.8	0.29	1	02/02/18 13:00	02/05/18 19:22	319-84-6	
beta-BHC	**<0.95**	ug/kg	3.0	0.95	1	02/02/18 13:00	02/05/18 19:22	319-85-7	
delta-BHC	**<0.86**	ug/kg	2.5	0.86	1	02/02/18 13:00	02/05/18 19:22	319-86-8	
gamma-BHC (Lindane)	**2.0J**	ug/kg	2.5	0.81	1	02/02/18 13:00	02/05/18 19:22	58-89-9	
Chlordane (Technical)	**<50.8**	ug/kg	271	50.8	1	02/02/18 13:00	02/05/18 19:22	57-74-9	
alpha-Chlordane	**<0.72**	ug/kg	3.0	0.72	1	02/02/18 13:00	02/05/18 19:22	5103-71-9	
gamma-Chlordane	**<1.2**	ug/kg	3.0	1.2	1	02/02/18 13:00	02/05/18 19:22	5103-74-2	
4,4'-DDD	**<0.59**	ug/kg	1.8	0.59	1	02/02/18 13:00	02/05/18 19:22	72-54-8	
4,4'-DDE	**<0.57**	ug/kg	1.8	0.57	1	02/02/18 13:00	02/05/18 19:22	72-55-9	
4,4'-DDT	**<1.2**	ug/kg	2.5	1.2	1	02/02/18 13:00	02/05/18 19:22	50-29-3	
Dieldrin	**<0.78**	ug/kg	2.5	0.78	1	02/02/18 13:00	02/05/18 19:22	60-57-1	
Endosulfan I	**<0.84**	ug/kg	2.5	0.84	1	02/02/18 13:00	02/05/18 19:22	959-98-8	
Endosulfan II	**<0.58**	ug/kg	1.8	0.58	1	02/02/18 13:00	02/05/18 19:22	33213-65-9	
Endosulfan sulfate	**<0.83**	ug/kg	2.5	0.83	1	02/02/18 13:00	02/05/18 19:22	1031-07-8	
Endrin	**<0.84**	ug/kg	3.0	0.84	1	02/02/18 13:00	02/05/18 19:22	72-20-8	
Endrin aldehyde	**<0.84**	ug/kg	2.5	0.84	1	02/02/18 13:00	02/05/18 19:22	7421-93-4	
Endrin ketone	**<0.99**	ug/kg	3.6	0.99	1	02/02/18 13:00	02/05/18 19:22	53494-70-5	
Heptachlor	**<1.4**	ug/kg	3.6	1.4	1	02/02/18 13:00	02/05/18 19:22	76-44-8	
Heptachlor epoxide	**<3.6**	ug/kg	9.0	3.6	1	02/02/18 13:00	02/05/18 19:22	1024-57-3	
Methoxychlor	**<1.0**	ug/kg	3.6	1.0	1	02/02/18 13:00	02/05/18 19:22	72-43-5	
Toxaphene	**<93.7**	ug/kg	271	93.7	1	02/02/18 13:00	02/05/18 19:22	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	73	%.	70-130		1	02/02/18 13:00	02/05/18 19:22	877-09-8	
Decachlorobiphenyl (S)	84	%.	70-130		1	02/02/18 13:00	02/05/18 19:22	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<6.0**	ug/kg	12.0	6.0	1	02/02/18 13:00	02/05/18 22:09	22248-79-9	
Azinphos, methyl (Guthion)	**<6.0**	ug/kg	12.0	6.0	1	02/02/18 13:00	02/05/18 22:09	86-50-0	
Bolstar	**<6.0**	ug/kg	12.0	6.0	1	02/02/18 13:00	02/05/18 22:09	35400-43-2	
Chlorpyrifos	**<6.0**	ug/kg	12.0	6.0	1	02/02/18 13:00	02/05/18 22:09	2921-88-2	
Coumaphos	**<6.0**	ug/kg	12.0	6.0	1	02/02/18 13:00	02/05/18 22:09	56-72-4	
Diazinon	**<6.0**	ug/kg	12.0	6.0	1	02/02/18 13:00	02/05/18 22:09	333-41-5	
Dichlorvos	**<3.0**	ug/kg	6.0	3.0	1	02/02/18 13:00	02/05/18 22:09	62-73-7	
Dimethoate	**<6.0**	ug/kg	12.0	6.0	1	02/02/18 13:00	02/05/18 22:09	60-51-5	
Disulfoton	**<3.0**	ug/kg	6.0	3.0	1	02/02/18 13:00	02/05/18 22:09	298-04-4	
EPN (ENT)	**<3.8**	ug/kg	6.0	3.8	1	02/02/18 13:00	02/05/18 22:09	2104-64-5	
Ethoprop	**<3.0**	ug/kg	6.0	3.0	1	02/02/18 13:00	02/05/18 22:09	13194-48-4	
Fensulfothion	**<6.0**	ug/kg	12.0	6.0	1	02/02/18 13:00	02/05/18 22:09	115-90-2	
Fenthion	**<3.0**	ug/kg	6.0	3.0	1	02/02/18 13:00	02/05/18 22:09	55-38-9	
Malathion	**<6.0**	ug/kg	12.0	6.0	1	02/02/18 13:00	02/05/18 22:09	121-75-5	
Methyl parathion	**<3.0**	ug/kg	6.0	3.0	1	02/02/18 13:00	02/05/18 22:09	298-00-0	
Mevinphos	**<3.6**	ug/kg	6.0	3.6	1	02/02/18 13:00	02/05/18 22:09	7786-34-7	
Parathion (Ethyl parathion)	**<6.0**	ug/kg	12.0	6.0	1	02/02/18 13:00	02/05/18 22:09	56-38-2	
Phorate	**<3.0**	ug/kg	6.0	3.0	1	02/02/18 13:00	02/05/18 22:09	298-02-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-9 (0-3) **Lab ID: 60262644011** Collected: 01/23/18 16:00 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<3.0**	ug/kg	6.0	3.0	1	02/02/18 13:00	02/05/18 22:09	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<3.0**	ug/kg	6.0	3.0	1	02/02/18 13:00	02/05/18 22:09	3689-24-5	
Tokuthion (Prothiofos)	**<3.0**	ug/kg	6.0	3.0	1	02/02/18 13:00	02/05/18 22:09	34643-46-4	
Trichloronate	**<6.0**	ug/kg	12.0	6.0	1	02/02/18 13:00	02/05/18 22:09	327-98-0	
Total Demeton	**<4.9**	ug/kg	6.0	4.9	1	02/02/18 13:00	02/05/18 22:09	8065-48-3	N2
Total Merphos	**<6.0**	ug/kg	24.1	6.0	1	02/02/18 13:00	02/05/18 22:09	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	98	%.	11-137		1	02/02/18 13:00	02/05/18 22:09	115-86-6	
Tributylphosphate (S)	111	%.	17-125		1	02/02/18 13:00	02/05/18 22:09	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 17:25	94-75-7	
Dalapon	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 17:25	75-99-0	
2,4-DB	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 17:25	94-82-6	
Dicamba	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 17:25	1918-00-9	
Dichloroprop	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 17:25	15165-67-0	
Dinoseb	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 17:25	88-85-7	
MCPA	**<300**	ug/kg	300	300	1	01/29/18 16:21	01/30/18 17:25	94-74-6	
MCPP	**<300**	ug/kg	300	300	1	01/29/18 16:21	01/30/18 17:25	7085-19-0	
2,4,5-T	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 17:25	93-76-5	
2,4,5-TP (Silvex)	**<3.0**	ug/kg	3.0	3.0	1	01/29/18 16:21	01/30/18 17:25	93-72-1	
Surrogates									
2,4-DCAA (S)	11	%.	10-188		1	01/29/18 16:21	01/30/18 17:50	19719-28-9	
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**9.6**	mg/kg	1.1	0.46	1	01/30/18 14:45	02/01/18 17:47	7440-38-2	
Barium	**196**	mg/kg	0.55	0.034	1	01/30/18 14:45	02/01/18 17:47	7440-39-3	
Cadmium	**3.2**	mg/kg	0.55	0.041	1	01/30/18 14:45	02/01/18 17:47	7440-43-9	
Chromium	**15.6**	mg/kg	0.55	0.11	1	01/30/18 14:45	02/01/18 17:47	7440-47-3	
Lead	**194**	mg/kg	0.55	0.23	1	01/30/18 14:45	02/01/18 17:47	7439-92-1	
Selenium	**<0.82**	mg/kg	1.7	0.82	1	01/30/18 14:45	02/01/18 17:47	7782-49-2	
Silver	**<0.18**	mg/kg	0.77	0.18	1	01/30/18 14:45	02/01/18 17:47	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.069**	mg/kg	0.047	0.0062	1	01/25/18 09:26	01/25/18 12:23	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<42.1**	ug/kg	397	42.1	1	01/25/18 15:00	01/30/18 17:32	83-32-9	
Acenaphthylene	**<37.3**	ug/kg	397	37.3	1	01/25/18 15:00	01/30/18 17:32	208-96-8	
Anthracene	**<42.1**	ug/kg	397	42.1	1	01/25/18 15:00	01/30/18 17:32	120-12-7	
Benzo(a)anthracene	**69.4J**	ug/kg	397	36.1	1	01/25/18 15:00	01/30/18 17:32	56-55-3	
Benzo(a)pyrene	**62.8J**	ug/kg	397	31.3	1	01/25/18 15:00	01/30/18 17:32	50-32-8	
Benzo(b)fluoranthene	**114J**	ug/kg	397	27.7	1	01/25/18 15:00	01/30/18 17:32	205-99-2	
Benzo(g,h,i)perylene	**<38.5**	ug/kg	397	38.5	1	01/25/18 15:00	01/30/18 17:32	191-24-2	
Benzo(k)fluoranthene	**<47.0**	ug/kg	397	47.0	1	01/25/18 15:00	01/30/18 17:32	207-08-9	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-9 (0-3) **Lab ID: 60262644011** Collected: 01/23/18 16:00 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<37.3**	ug/kg	2010	37.3	1	01/25/18 15:00	01/30/18 17:32	65-85-0	
Benzyl alcohol	**<124**	ug/kg	795	124	1	01/25/18 15:00	01/30/18 17:32	100-51-6	
4-Bromophenylphenyl ether	**<31.3**	ug/kg	397	31.3	1	01/25/18 15:00	01/30/18 17:32	101-55-3	
Butylbenzylphthalate	**<51.8**	ug/kg	397	51.8	1	01/25/18 15:00	01/30/18 17:32	85-68-7	
Carbazole	**<32.5**	ug/kg	397	32.5	1	01/25/18 15:00	01/30/18 17:32	86-74-8	
4-Chloro-3-methylphenol	**<43.4**	ug/kg	795	43.4	1	01/25/18 15:00	01/30/18 17:32	59-50-7	
4-Chloroaniline	**<78.3**	ug/kg	795	78.3	1	01/25/18 15:00	01/30/18 17:32	106-47-8	
bis(2-Chloroethoxy)methane	**<31.3**	ug/kg	397	31.3	1	01/25/18 15:00	01/30/18 17:32	111-91-1	
bis(2-Chloroethyl) ether	**<31.3**	ug/kg	397	31.3	1	01/25/18 15:00	01/30/18 17:32	111-44-4	
bis(2-Chloroisopropyl) ether	**<31.3**	ug/kg	397	31.3	1	01/25/18 15:00	01/30/18 17:32	39638-32-9	
2-Chloronaphthalene	**<33.7**	ug/kg	397	33.7	1	01/25/18 15:00	01/30/18 17:32	91-58-7	
2-Chlorophenol	**<32.5**	ug/kg	397	32.5	1	01/25/18 15:00	01/30/18 17:32	95-57-8	
4-Chlorophenylphenyl ether	**<38.5**	ug/kg	397	38.5	1	01/25/18 15:00	01/30/18 17:32	7005-72-3	
Chrysene	**70.7J**	ug/kg	397	33.7	1	01/25/18 15:00	01/30/18 17:32	218-01-9	
Dibenz(a,h)anthracene	**<36.1**	ug/kg	397	36.1	1	01/25/18 15:00	01/30/18 17:32	53-70-3	
Dibenzofuran	**<36.1**	ug/kg	397	36.1	1	01/25/18 15:00	01/30/18 17:32	132-64-9	
1,2-Dichlorobenzene	**<30.1**	ug/kg	397	30.1	1	01/25/18 15:00	01/30/18 17:32	95-50-1	
1,3-Dichlorobenzene	**<33.7**	ug/kg	397	33.7	1	01/25/18 15:00	01/30/18 17:32	541-73-1	
1,4-Dichlorobenzene	**<34.9**	ug/kg	397	34.9	1	01/25/18 15:00	01/30/18 17:32	106-46-7	
3,3'-Dichlorobenzidine	**<136**	ug/kg	795	136	1	01/25/18 15:00	01/30/18 17:32	91-94-1	
2,4-Dichlorophenol	**<36.1**	ug/kg	397	36.1	1	01/25/18 15:00	01/30/18 17:32	120-83-2	
Diethylphthalate	**<37.3**	ug/kg	397	37.3	1	01/25/18 15:00	01/30/18 17:32	84-66-2	
2,4-Dimethylphenol	**<21.7**	ug/kg	397	21.7	1	01/25/18 15:00	01/30/18 17:32	105-67-9	
Dimethylphthalate	**<38.5**	ug/kg	397	38.5	1	01/25/18 15:00	01/30/18 17:32	131-11-3	
Di-n-butylphthalate	**<42.1**	ug/kg	397	42.1	1	01/25/18 15:00	01/30/18 17:32	84-74-2	
4,6-Dinitro-2-methylphenol	**<53.0**	ug/kg	2010	53.0	1	01/25/18 15:00	01/30/18 17:32	534-52-1	
2,4-Dinitrophenol	**<57.8**	ug/kg	2010	57.8	1	01/25/18 15:00	01/30/18 17:32	51-28-5	
2,4-Dinitrotoluene	**<33.7**	ug/kg	397	33.7	1	01/25/18 15:00	01/30/18 17:32	121-14-2	
2,6-Dinitrotoluene	**<40.9**	ug/kg	397	40.9	1	01/25/18 15:00	01/30/18 17:32	606-20-2	
Di-n-octylphthalate	**<47.0**	ug/kg	397	47.0	1	01/25/18 15:00	01/30/18 17:32	117-84-0	
bis(2-Ethylhexyl)phthalate	**<137**	ug/kg	397	137	1	01/25/18 15:00	01/30/18 17:32	117-81-7	
Fluoranthene	**136J**	ug/kg	397	37.3	1	01/25/18 15:00	01/30/18 17:32	206-44-0	
Fluorene	**<37.3**	ug/kg	397	37.3	1	01/25/18 15:00	01/30/18 17:32	86-73-7	
Hexachloro-1,3-butadiene	**<39.7**	ug/kg	397	39.7	1	01/25/18 15:00	01/30/18 17:32	87-68-3	
Hexachlorobenzene	**<38.5**	ug/kg	397	38.5	1	01/25/18 15:00	01/30/18 17:32	118-74-1	
Hexachlorocyclopentadiene	**<84.3**	ug/kg	397	84.3	1	01/25/18 15:00	01/30/18 17:32	77-47-4	
Hexachloroethane	**<30.1**	ug/kg	397	30.1	1	01/25/18 15:00	01/30/18 17:32	67-72-1	
Indeno(1,2,3-cd)pyrene	**<43.4**	ug/kg	397	43.4	1	01/25/18 15:00	01/30/18 17:32	193-39-5	
Isophorone	**<36.1**	ug/kg	397	36.1	1	01/25/18 15:00	01/30/18 17:32	78-59-1	
2-Methylnaphthalene	**<28.9**	ug/kg	397	28.9	1	01/25/18 15:00	01/30/18 17:32	91-57-6	
2-Methylphenol(o-Cresol)	**<37.3**	ug/kg	397	37.3	1	01/25/18 15:00	01/30/18 17:32	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<43.4**	ug/kg	397	43.4	1	01/25/18 15:00	01/30/18 17:32		
Naphthalene	**<31.3**	ug/kg	397	31.3	1	01/25/18 15:00	01/30/18 17:32	91-20-3	
2-Nitroaniline	**<67.4**	ug/kg	795	67.4	1	01/25/18 15:00	01/30/18 17:32	88-74-4	
3-Nitroaniline	**<120**	ug/kg	795	120	1	01/25/18 15:00	01/30/18 17:32	99-09-2	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-9 (0-3) **Lab ID: 60262644011** Collected: 01/23/18 16:00 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<102**	ug/kg	795	102	1	01/25/18 15:00	01/30/18 17:32	100-01-6	
Nitrobenzene	**<37.3**	ug/kg	397	37.3	1	01/25/18 15:00	01/30/18 17:32	98-95-3	
2-Nitrophenol	**<55.4**	ug/kg	397	55.4	1	01/25/18 15:00	01/30/18 17:32	88-75-5	
4-Nitrophenol	**<62.6**	ug/kg	2010	62.6	1	01/25/18 15:00	01/30/18 17:32	100-02-7	
N-Nitroso-di-n-propylamine	**<39.7**	ug/kg	397	39.7	1	01/25/18 15:00	01/30/18 17:32	621-64-7	
N-Nitrosodiphenylamine	**<31.3**	ug/kg	397	31.3	1	01/25/18 15:00	01/30/18 17:32	86-30-6	
Pentachlorophenol	**<37.3**	ug/kg	2010	37.3	1	01/25/18 15:00	01/30/18 17:32	87-86-5	
Phenanthrene	**69.1J**	ug/kg	397	37.3	1	01/25/18 15:00	01/30/18 17:32	85-01-8	
Phenol	**<31.3**	ug/kg	397	31.3	1	01/25/18 15:00	01/30/18 17:32	108-95-2	
Pyrene	**122J**	ug/kg	397	39.7	1	01/25/18 15:00	01/30/18 17:32	129-00-0	
Pyridine	**<32.5**	ug/kg	397	32.5	1	01/25/18 15:00	01/30/18 17:32	110-86-1	
1,2,4-Trichlorobenzene	**<36.1**	ug/kg	397	36.1	1	01/25/18 15:00	01/30/18 17:32	120-82-1	
2,4,5-Trichlorophenol	**<36.1**	ug/kg	397	36.1	1	01/25/18 15:00	01/30/18 17:32	95-95-4	
2,4,6-Trichlorophenol	**<37.3**	ug/kg	397	37.3	1	01/25/18 15:00	01/30/18 17:32	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	82	%	41-114		1	01/25/18 15:00	01/30/18 17:32	4165-60-0	
2-Fluorobiphenyl (S)	87	%	61-109		1	01/25/18 15:00	01/30/18 17:32	321-60-8	
Terphenyl-d14 (S)	88	%	48-120		1	01/25/18 15:00	01/30/18 17:32	1718-51-0	
Phenol-d6 (S)	87	%	48-102		1	01/25/18 15:00	01/30/18 17:32	13127-88-3	
2-Fluorophenol (S)	84	%	46-102		1	01/25/18 15:00	01/30/18 17:32	367-12-4	
2,4,6-Tribromophenol (S)	93	%	39-114		1	01/25/18 15:00	01/30/18 17:32	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**97.0**	mg/kg	18.1	1.5	1	01/25/18 15:00	01/27/18 17:59		
TPH-DRO	**20.6**	mg/kg	18.1	1.5	1	01/25/18 15:00	01/27/18 17:59		
Surrogates									
Nitrobenzene-d5 (S)	80	%	41-114		1	01/25/18 15:00	01/27/18 17:59	4165-60-0	
2-Fluorobiphenyl (S)	79	%	61-109		1	01/25/18 15:00	01/27/18 17:59	321-60-8	
Terphenyl-d14 (S)	75	%	48-120		1	01/25/18 15:00	01/27/18 17:59	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.25**	mg/kg	0.50	0.25	1		01/31/18 17:08		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**11.1J**	ug/kg	20.0	10.0	1		01/31/18 17:08	67-64-1	
Benzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	71-43-2	
Bromobenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	108-86-1	
Bromochloromethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	74-97-5	
Bromodichloromethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	75-27-4	
Bromoform	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	75-25-2	
Bromomethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/kg	10.0	5.0	1		01/31/18 17:08	78-93-3	
n-Butylbenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	104-51-8	
sec-Butylbenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	135-98-8	
tert-Butylbenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	98-06-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-9 (0-3) **Lab ID: 60262644011** Collected: 01/23/18 16:00 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	75-15-0	
Carbon tetrachloride	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	56-23-5	
Chlorobenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	108-90-7	
Chloroethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	75-00-3	
Chloroform	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	67-66-3	
Chloromethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	74-87-3	
2-Chlorotoluene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	95-49-8	
4-Chlorotoluene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.0**	ug/kg	10.0	5.0	1		01/31/18 17:08	96-12-8	
Dibromochloromethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	124-48-1	
1,2-Dibromoethane (EDB)	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	106-93-4	
Dibromomethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	74-95-3	
1,2-Dichlorobenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	95-50-1	
1,3-Dichlorobenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	541-73-1	
1,4-Dichlorobenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	106-46-7	
Dichlorodifluoromethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	75-71-8	
1,1-Dichloroethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	75-34-3	
1,2-Dichloroethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	107-06-2	
1,2-Dichloroethene (Total)	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	540-59-0	
1,1-Dichloroethene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	75-35-4	
cis-1,2-Dichloroethene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	156-59-2	
trans-1,2-Dichloroethene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	156-60-5	L2
1,2-Dichloropropane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	78-87-5	
1,3-Dichloropropane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	142-28-9	
2,2-Dichloropropane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	594-20-7	
1,1-Dichloropropene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	563-58-6	
cis-1,3-Dichloropropene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	10061-01-5	
trans-1,3-Dichloropropene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	10061-02-6	
Ethylbenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	100-41-4	
Hexachloro-1,3-butadiene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	87-68-3	
2-Hexanone	**<10.0**	ug/kg	20.0	10.0	1		01/31/18 17:08	591-78-6	
Isopropylbenzene (Cumene)	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	98-82-8	
p-Isopropyltoluene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	99-87-6	
Methylene chloride	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/kg	10.0	5.0	1		01/31/18 17:08	108-10-1	
Methyl-tert-butyl ether	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	1634-04-4	
Naphthalene	**<5.0**	ug/kg	10.0	5.0	1		01/31/18 17:08	91-20-3	
n-Propylbenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	103-65-1	
Styrene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	79-34-5	
Tetrachloroethene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	127-18-4	
Toluene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	108-88-3	
1,2,3-Trichlorobenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	87-61-6	
1,2,4-Trichlorobenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	120-82-1	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-9 (0-3) **Lab ID: 60262644011** Collected: 01/23/18 16:00 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	71-55-6	
1,1,2-Trichloroethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	79-00-5	
Trichloroethene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	79-01-6	
Trichlorofluoromethane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	75-69-4	
1,2,3-Trichloropropane	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	96-18-4	
1,2,4-Trimethylbenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	95-63-6	
1,3,5-Trimethylbenzene	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	108-67-8	
Vinyl chloride	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	75-01-4	
Xylene (Total)	**<2.5**	ug/kg	5.0	2.5	1		01/31/18 17:08	1330-20-7	
Surrogates									
Toluene-d8 (S)	99	%	78-122		1		01/31/18 17:08	2037-26-5	
4-Bromofluorobenzene (S)	105	%	69-133		1		01/31/18 17:08	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	80-123		1		01/31/18 17:08	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**17.5**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**9.2**	Std. Units	0.10	0.10	1		01/30/18 10:40		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**70.8J**	mg/kg	121	60.3	10	02/05/18 08:00	02/06/18 04:38	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**<6.0**	mg/kg	12.1	6.0	10	02/05/18 16:00	02/06/18 04:38	14797-55-8	
Nitrite as N	**<6.0**	mg/kg	12.1	6.0	10	02/05/18 16:00	02/06/18 04:38	14797-65-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-9 (3-5) **Lab ID: 60262644012** Collected: 01/23/18 16:15 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.66**	ug/kg	1.9	0.66	1	02/02/18 13:00	02/05/18 19:36	309-00-2	
alpha-BHC	**<0.29**	ug/kg	1.9	0.29	1	02/02/18 13:00	02/05/18 19:36	319-84-6	
beta-BHC	**<0.98**	ug/kg	3.1	0.98	1	02/02/18 13:00	02/05/18 19:36	319-85-7	
delta-BHC	**<0.89**	ug/kg	2.6	0.89	1	02/02/18 13:00	02/05/18 19:36	319-86-8	
gamma-BHC (Lindane)	**<0.83**	ug/kg	2.6	0.83	1	02/02/18 13:00	02/05/18 19:36	58-89-9	
Chlordane (Technical)	**<52.1**	ug/kg	278	52.1	1	02/02/18 13:00	02/05/18 19:36	57-74-9	
alpha-Chlordane	**<0.74**	ug/kg	3.1	0.74	1	02/02/18 13:00	02/05/18 19:36	5103-71-9	
gamma-Chlordane	**<1.2**	ug/kg	3.1	1.2	1	02/02/18 13:00	02/05/18 19:36	5103-74-2	
4,4'-DDD	**<0.60**	ug/kg	1.9	0.60	1	02/02/18 13:00	02/05/18 19:36	72-54-8	
4,4'-DDE	**<0.58**	ug/kg	1.9	0.58	1	02/02/18 13:00	02/05/18 19:36	72-55-9	
4,4'-DDT	**<1.2**	ug/kg	2.6	1.2	1	02/02/18 13:00	02/05/18 19:36	50-29-3	
Dieldrin	**<0.80**	ug/kg	2.6	0.80	1	02/02/18 13:00	02/05/18 19:36	60-57-1	
Endosulfan I	**<0.86**	ug/kg	2.6	0.86	1	02/02/18 13:00	02/05/18 19:36	959-98-8	
Endosulfan II	**<0.60**	ug/kg	1.9	0.60	1	02/02/18 13:00	02/05/18 19:36	33213-65-9	
Endosulfan sulfate	**<0.85**	ug/kg	2.6	0.85	1	02/02/18 13:00	02/05/18 19:36	1031-07-8	
Endrin	**<0.86**	ug/kg	3.1	0.86	1	02/02/18 13:00	02/05/18 19:36	72-20-8	
Endrin aldehyde	**<0.86**	ug/kg	2.6	0.86	1	02/02/18 13:00	02/05/18 19:36	7421-93-4	
Endrin ketone	**<1.0**	ug/kg	3.7	1.0	1	02/02/18 13:00	02/05/18 19:36	53494-70-5	
Heptachlor	**<1.4**	ug/kg	3.7	1.4	1	02/02/18 13:00	02/05/18 19:36	76-44-8	
Heptachlor epoxide	**<3.7**	ug/kg	9.3	3.7	1	02/02/18 13:00	02/05/18 19:36	1024-57-3	
Methoxychlor	**<1.1**	ug/kg	3.7	1.1	1	02/02/18 13:00	02/05/18 19:36	72-43-5	
Toxaphene	**<96.1**	ug/kg	278	96.1	1	02/02/18 13:00	02/05/18 19:36	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	70	%.	70-130		1	02/02/18 13:00	02/05/18 19:36	877-09-8	
Decachlorobiphenyl (S)	80	%.	70-130		1	02/02/18 13:00	02/05/18 19:36	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<6.2**	ug/kg	12.3	6.2	1	02/02/18 13:00	02/05/18 22:36	22248-79-9	
Azinphos, methyl (Guthion)	**<6.2**	ug/kg	12.3	6.2	1	02/02/18 13:00	02/05/18 22:36	86-50-0	
Bolstar	**<6.2**	ug/kg	12.3	6.2	1	02/02/18 13:00	02/05/18 22:36	35400-43-2	
Chlorpyrifos	**<6.2**	ug/kg	12.3	6.2	1	02/02/18 13:00	02/05/18 22:36	2921-88-2	
Coumaphos	**<6.2**	ug/kg	12.3	6.2	1	02/02/18 13:00	02/05/18 22:36	56-72-4	
Diazinon	**<6.2**	ug/kg	12.3	6.2	1	02/02/18 13:00	02/05/18 22:36	333-41-5	
Dichlorvos	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/05/18 22:36	62-73-7	
Dimethoate	**<6.2**	ug/kg	12.3	6.2	1	02/02/18 13:00	02/05/18 22:36	60-51-5	
Disulfoton	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/05/18 22:36	298-04-4	
EPN (ENT)	**<3.9**	ug/kg	6.2	3.9	1	02/02/18 13:00	02/05/18 22:36	2104-64-5	
Ethoprop	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/05/18 22:36	13194-48-4	
Fensulfothion	**<6.2**	ug/kg	12.3	6.2	1	02/02/18 13:00	02/05/18 22:36	115-90-2	
Fenthion	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/05/18 22:36	55-38-9	
Malathion	**<6.2**	ug/kg	12.3	6.2	1	02/02/18 13:00	02/05/18 22:36	121-75-5	
Methyl parathion	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/05/18 22:36	298-00-0	
Mevinphos	**<3.7**	ug/kg	6.2	3.7	1	02/02/18 13:00	02/05/18 22:36	7786-34-7	
Parathion (Ethyl parathion)	**<6.2**	ug/kg	12.3	6.2	1	02/02/18 13:00	02/05/18 22:36	56-38-2	
Phorate	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/05/18 22:36	298-02-2	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-9 (3-5) **Lab ID: 60262644012** Collected: 01/23/18 16:15 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/05/18 22:36	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/05/18 22:36	3689-24-5	
Tokuthion (Prothiofos)	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/05/18 22:36	34643-46-4	
Trichloronate	**<6.2**	ug/kg	12.3	6.2	1	02/02/18 13:00	02/05/18 22:36	327-98-0	
Total Demeton	**<5.1**	ug/kg	6.2	5.1	1	02/02/18 13:00	02/05/18 22:36	8065-48-3	N2
Total Merphos	**<6.2**	ug/kg	24.7	6.2	1	02/02/18 13:00	02/05/18 22:36	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	100	%.	11-137		1	02/02/18 13:00	02/05/18 22:36	115-86-6	
Tributylphosphate (S)	113	%.	17-125		1	02/02/18 13:00	02/05/18 22:36	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 17:50	94-75-7	
Dalapon	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 17:50	75-99-0	
2,4-DB	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 17:50	94-82-6	
Dicamba	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 17:50	1918-00-9	
Dichloroprop	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 17:50	15165-67-0	
Dinoseb	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 17:50	88-85-7	
MCPA	**<312**	ug/kg	312	312	1	01/29/18 16:21	01/30/18 17:50	94-74-6	
MCPP	**<312**	ug/kg	312	312	1	01/29/18 16:21	01/30/18 17:50	7085-19-0	
2,4,5-T	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 17:50	93-76-5	
2,4,5-TP (Silvex)	**<3.1**	ug/kg	3.1	3.1	1	01/29/18 16:21	01/30/18 17:50	93-72-1	
Surrogates									
2,4-DCAA (S)	10	%.	10-188		1	01/29/18 16:21	01/30/18 17:50	19719-28-9	
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**5.7**	mg/kg	1.1	0.46	1	01/30/18 14:45	02/01/18 17:49	7440-38-2	
Barium	**169**	mg/kg	0.56	0.035	1	01/30/18 14:45	02/01/18 17:49	7440-39-3	
Cadmium	**0.17J**	mg/kg	0.56	0.042	1	01/30/18 14:45	02/01/18 17:49	7440-43-9	
Chromium	**16.4**	mg/kg	0.56	0.11	1	01/30/18 14:45	02/01/18 17:49	7440-47-3	
Lead	**9.9**	mg/kg	0.56	0.23	1	01/30/18 14:45	02/01/18 17:49	7439-92-1	
Selenium	**<0.84**	mg/kg	1.7	0.84	1	01/30/18 14:45	02/01/18 17:49	7782-49-2	
Silver	**<0.19**	mg/kg	0.79	0.19	1	01/30/18 14:45	02/01/18 17:49	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.027J**	mg/kg	0.059	0.0078	1	01/25/18 09:26	01/25/18 12:26	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<43.1**	ug/kg	406	43.1	1	01/25/18 15:00	01/30/18 17:54	83-32-9	
Acenaphthylene	**<38.1**	ug/kg	406	38.1	1	01/25/18 15:00	01/30/18 17:54	208-96-8	
Anthracene	**<43.1**	ug/kg	406	43.1	1	01/25/18 15:00	01/30/18 17:54	120-12-7	
Benzo(a)anthracene	**<36.9**	ug/kg	406	36.9	1	01/25/18 15:00	01/30/18 17:54	56-55-3	
Benzo(a)pyrene	**<32.0**	ug/kg	406	32.0	1	01/25/18 15:00	01/30/18 17:54	50-32-8	
Benzo(b)fluoranthene	**<28.3**	ug/kg	406	28.3	1	01/25/18 15:00	01/30/18 17:54	205-99-2	
Benzo(g,h,i)perylene	**<39.4**	ug/kg	406	39.4	1	01/25/18 15:00	01/30/18 17:54	191-24-2	
Benzo(k)fluoranthene	**<48.0**	ug/kg	406	48.0	1	01/25/18 15:00	01/30/18 17:54	207-08-9	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-9 (3-5) **Lab ID: 60262644012** Collected: 01/23/18 16:15 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<38.1**	ug/kg	2050	38.1	1	01/25/18 15:00	01/30/18 17:54	65-85-0	
Benzyl alcohol	**<127**	ug/kg	812	127	1	01/25/18 15:00	01/30/18 17:54	100-51-6	
4-Bromophenylphenyl ether	**<32.0**	ug/kg	406	32.0	1	01/25/18 15:00	01/30/18 17:54	101-55-3	
Butylbenzylphthalate	**<52.9**	ug/kg	406	52.9	1	01/25/18 15:00	01/30/18 17:54	85-68-7	
Carbazole	**<33.2**	ug/kg	406	33.2	1	01/25/18 15:00	01/30/18 17:54	86-74-8	
4-Chloro-3-methylphenol	**<44.3**	ug/kg	812	44.3	1	01/25/18 15:00	01/30/18 17:54	59-50-7	
4-Chloroaniline	**<80.0**	ug/kg	812	80.0	1	01/25/18 15:00	01/30/18 17:54	106-47-8	
bis(2-Chloroethoxy)methane	**<32.0**	ug/kg	406	32.0	1	01/25/18 15:00	01/30/18 17:54	111-91-1	
bis(2-Chloroethyl) ether	**<32.0**	ug/kg	406	32.0	1	01/25/18 15:00	01/30/18 17:54	111-44-4	
bis(2-Chloroisopropyl) ether	**<32.0**	ug/kg	406	32.0	1	01/25/18 15:00	01/30/18 17:54	39638-32-9	
2-Chloronaphthalene	**<34.4**	ug/kg	406	34.4	1	01/25/18 15:00	01/30/18 17:54	91-58-7	
2-Chlorophenol	**<33.2**	ug/kg	406	33.2	1	01/25/18 15:00	01/30/18 17:54	95-57-8	
4-Chlorophenylphenyl ether	**<39.4**	ug/kg	406	39.4	1	01/25/18 15:00	01/30/18 17:54	7005-72-3	
Chrysene	**<34.4**	ug/kg	406	34.4	1	01/25/18 15:00	01/30/18 17:54	218-01-9	
Dibenz(a,h)anthracene	**<36.9**	ug/kg	406	36.9	1	01/25/18 15:00	01/30/18 17:54	53-70-3	
Dibenzofuran	**<36.9**	ug/kg	406	36.9	1	01/25/18 15:00	01/30/18 17:54	132-64-9	
1,2-Dichlorobenzene	**<30.8**	ug/kg	406	30.8	1	01/25/18 15:00	01/30/18 17:54	95-50-1	
1,3-Dichlorobenzene	**<34.4**	ug/kg	406	34.4	1	01/25/18 15:00	01/30/18 17:54	541-73-1	
1,4-Dichlorobenzene	**<35.7**	ug/kg	406	35.7	1	01/25/18 15:00	01/30/18 17:54	106-46-7	
3,3'-Dichlorobenzidine	**<139**	ug/kg	812	139	1	01/25/18 15:00	01/30/18 17:54	91-94-1	
2,4-Dichlorophenol	**<36.9**	ug/kg	406	36.9	1	01/25/18 15:00	01/30/18 17:54	120-83-2	
Diethylphthalate	**<38.1**	ug/kg	406	38.1	1	01/25/18 15:00	01/30/18 17:54	84-66-2	
2,4-Dimethylphenol	**<22.1**	ug/kg	406	22.1	1	01/25/18 15:00	01/30/18 17:54	105-67-9	
Dimethylphthalate	**<39.4**	ug/kg	406	39.4	1	01/25/18 15:00	01/30/18 17:54	131-11-3	
Di-n-butylphthalate	**<43.1**	ug/kg	406	43.1	1	01/25/18 15:00	01/30/18 17:54	84-74-2	
4,6-Dinitro-2-methylphenol	**<54.1**	ug/kg	2050	54.1	1	01/25/18 15:00	01/30/18 17:54	534-52-1	
2,4-Dinitrophenol	**<59.1**	ug/kg	2050	59.1	1	01/25/18 15:00	01/30/18 17:54	51-28-5	
2,4-Dinitrotoluene	**<34.4**	ug/kg	406	34.4	1	01/25/18 15:00	01/30/18 17:54	121-14-2	
2,6-Dinitrotoluene	**<41.8**	ug/kg	406	41.8	1	01/25/18 15:00	01/30/18 17:54	606-20-2	
Di-n-octylphthalate	**<48.0**	ug/kg	406	48.0	1	01/25/18 15:00	01/30/18 17:54	117-84-0	
bis(2-Ethylhexyl)phthalate	**<140**	ug/kg	406	140	1	01/25/18 15:00	01/30/18 17:54	117-81-7	
Fluoranthene	**<38.1**	ug/kg	406	38.1	1	01/25/18 15:00	01/30/18 17:54	206-44-0	
Fluorene	**<38.1**	ug/kg	406	38.1	1	01/25/18 15:00	01/30/18 17:54	86-73-7	
Hexachloro-1,3-butadiene	**<40.6**	ug/kg	406	40.6	1	01/25/18 15:00	01/30/18 17:54	87-68-3	
Hexachlorobenzene	**<39.4**	ug/kg	406	39.4	1	01/25/18 15:00	01/30/18 17:54	118-74-1	
Hexachlorocyclopentadiene	**<86.1**	ug/kg	406	86.1	1	01/25/18 15:00	01/30/18 17:54	77-47-4	
Hexachloroethane	**<30.8**	ug/kg	406	30.8	1	01/25/18 15:00	01/30/18 17:54	67-72-1	
Indeno(1,2,3-cd)pyrene	**<44.3**	ug/kg	406	44.3	1	01/25/18 15:00	01/30/18 17:54	193-39-5	
Isophorone	**<36.9**	ug/kg	406	36.9	1	01/25/18 15:00	01/30/18 17:54	78-59-1	
2-Methylnaphthalene	**<29.5**	ug/kg	406	29.5	1	01/25/18 15:00	01/30/18 17:54	91-57-6	
2-Methylphenol(o-Cresol)	**<38.1**	ug/kg	406	38.1	1	01/25/18 15:00	01/30/18 17:54	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<44.3**	ug/kg	406	44.3	1	01/25/18 15:00	01/30/18 17:54		
Naphthalene	**<32.0**	ug/kg	406	32.0	1	01/25/18 15:00	01/30/18 17:54	91-20-3	
2-Nitroaniline	**<68.9**	ug/kg	812	68.9	1	01/25/18 15:00	01/30/18 17:54	88-74-4	
3-Nitroaniline	**<123**	ug/kg	812	123	1	01/25/18 15:00	01/30/18 17:54	99-09-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-9 (3-5) **Lab ID: 60262644012** Collected: 01/23/18 16:15 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<105**	ug/kg	812	105	1	01/25/18 15:00	01/30/18 17:54	100-01-6	
Nitrobenzene	**<38.1**	ug/kg	406	38.1	1	01/25/18 15:00	01/30/18 17:54	98-95-3	
2-Nitrophenol	**<56.6**	ug/kg	406	56.6	1	01/25/18 15:00	01/30/18 17:54	88-75-5	
4-Nitrophenol	**<64.0**	ug/kg	2050	64.0	1	01/25/18 15:00	01/30/18 17:54	100-02-7	
N-Nitroso-di-n-propylamine	**<40.6**	ug/kg	406	40.6	1	01/25/18 15:00	01/30/18 17:54	621-64-7	
N-Nitrosodiphenylamine	**<32.0**	ug/kg	406	32.0	1	01/25/18 15:00	01/30/18 17:54	86-30-6	
Pentachlorophenol	**<38.1**	ug/kg	2050	38.1	1	01/25/18 15:00	01/30/18 17:54	87-86-5	
Phenanthrene	**<38.1**	ug/kg	406	38.1	1	01/25/18 15:00	01/30/18 17:54	85-01-8	
Phenol	**<32.0**	ug/kg	406	32.0	1	01/25/18 15:00	01/30/18 17:54	108-95-2	
Pyrene	**<40.6**	ug/kg	406	40.6	1	01/25/18 15:00	01/30/18 17:54	129-00-0	
Pyridine	**<33.2**	ug/kg	406	33.2	1	01/25/18 15:00	01/30/18 17:54	110-86-1	
1,2,4-Trichlorobenzene	**<36.9**	ug/kg	406	36.9	1	01/25/18 15:00	01/30/18 17:54	120-82-1	
2,4,5-Trichlorophenol	**<36.9**	ug/kg	406	36.9	1	01/25/18 15:00	01/30/18 17:54	95-95-4	
2,4,6-Trichlorophenol	**<38.1**	ug/kg	406	38.1	1	01/25/18 15:00	01/30/18 17:54	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	80	%	41-114		1	01/25/18 15:00	01/30/18 17:54	4165-60-0	
2-Fluorobiphenyl (S)	85	%	61-109		1	01/25/18 15:00	01/30/18 17:54	321-60-8	
Terphenyl-d14 (S)	86	%	48-120		1	01/25/18 15:00	01/30/18 17:54	1718-51-0	
Phenol-d6 (S)	85	%	48-102		1	01/25/18 15:00	01/30/18 17:54	13127-88-3	
2-Fluorophenol (S)	83	%	46-102		1	01/25/18 15:00	01/30/18 17:54	367-12-4	
2,4,6-Tribromophenol (S)	90	%	39-114		1	01/25/18 15:00	01/30/18 17:54	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**18.6J**	mg/kg	18.7	1.5	1	01/25/18 15:00	01/27/18 18:20		B
TPH-DRO	**4.0J**	mg/kg	18.7	1.5	1	01/25/18 15:00	01/27/18 18:20		
Surrogates									
Nitrobenzene-d5 (S)	112	%	41-114		1	01/25/18 15:00	01/27/18 18:20	4165-60-0	
2-Fluorobiphenyl (S)	69	%	61-109		1	01/25/18 15:00	01/27/18 18:20	321-60-8	
Terphenyl-d14 (S)	70	%	48-120		1	01/25/18 15:00	01/27/18 18:20	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.29**	mg/kg	0.57	0.29	1		01/31/18 17:24		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**<11.5**	ug/kg	23.0	11.5	1		01/31/18 17:24	67-64-1	
Benzene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	71-43-2	
Bromobenzene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	108-86-1	
Bromochloromethane	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	74-97-5	
Bromodichloromethane	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	75-27-4	
Bromoform	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	75-25-2	
Bromomethane	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	74-83-9	
2-Butanone (MEK)	**<5.7**	ug/kg	11.5	5.7	1		01/31/18 17:24	78-93-3	
n-Butylbenzene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	104-51-8	
sec-Butylbenzene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	135-98-8	
tert-Butylbenzene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	98-06-6	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-9 (3-5) **Lab ID: 60262644012** Collected: 01/23/18 16:15 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	75-15-0	
Carbon tetrachloride	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	56-23-5	
Chlorobenzene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	108-90-7	
Chloroethane	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	75-00-3	
Chloroform	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	67-66-3	
Chloromethane	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	74-87-3	
2-Chlorotoluene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	95-49-8	
4-Chlorotoluene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.7**	ug/kg	11.5	5.7	1		01/31/18 17:24	96-12-8	
Dibromochloromethane	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	124-48-1	
1,2-Dibromoethane (EDB)	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	106-93-4	
Dibromomethane	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	74-95-3	
1,2-Dichlorobenzene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	95-50-1	
1,3-Dichlorobenzene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	541-73-1	
1,4-Dichlorobenzene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	106-46-7	
Dichlorodifluoromethane	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	75-71-8	
1,1-Dichloroethane	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	75-34-3	
1,2-Dichloroethane	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	107-06-2	
1,2-Dichloroethene (Total)	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	540-59-0	
1,1-Dichloroethene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	75-35-4	
cis-1,2-Dichloroethene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	156-59-2	
trans-1,2-Dichloroethene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	156-60-5	L2
1,2-Dichloropropane	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	78-87-5	
1,3-Dichloropropane	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	142-28-9	
2,2-Dichloropropane	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	594-20-7	
1,1-Dichloropropene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	563-58-6	
cis-1,3-Dichloropropene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	10061-01-5	
trans-1,3-Dichloropropene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	10061-02-6	
Ethylbenzene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	100-41-4	
Hexachloro-1,3-butadiene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	87-68-3	
2-Hexanone	**<11.5**	ug/kg	23.0	11.5	1		01/31/18 17:24	591-78-6	
Isopropylbenzene (Cumene)	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	98-82-8	
p-Isopropyltoluene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	99-87-6	
Methylene chloride	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.7**	ug/kg	11.5	5.7	1		01/31/18 17:24	108-10-1	
Methyl-tert-butyl ether	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	1634-04-4	
Naphthalene	**<5.7**	ug/kg	11.5	5.7	1		01/31/18 17:24	91-20-3	
n-Propylbenzene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	103-65-1	
Styrene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	79-34-5	
Tetrachloroethene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	127-18-4	
Toluene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	108-88-3	
1,2,3-Trichlorobenzene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	87-61-6	
1,2,4-Trichlorobenzene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	120-82-1	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-9 (3-5) **Lab ID: 60262644012** Collected: 01/23/18 16:15 Received: 01/24/18 13:05 Matrix: Solid

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

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	71-55-6	
1,1,2-Trichloroethane	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	79-00-5	
Trichloroethene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	79-01-6	
Trichlorofluoromethane	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	75-69-4	
1,2,3-Trichloropropane	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	96-18-4	
1,2,4-Trimethylbenzene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	95-63-6	
1,3,5-Trimethylbenzene	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	108-67-8	
Vinyl chloride	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	75-01-4	
Xylene (Total)	**<2.9**	ug/kg	5.7	2.9	1		01/31/18 17:24	1330-20-7	
Surrogates									
Toluene-d8 (S)	100	%	78-122		1		01/31/18 17:24	2037-26-5	
4-Bromofluorobenzene (S)	102	%	69-133		1		01/31/18 17:24	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	80-123		1		01/31/18 17:24	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**20.5**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.9**	Std. Units	0.10	0.10	1		01/30/18 10:40		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**74.7J**	mg/kg	127	63.3	10	02/05/18 08:00	02/06/18 04:52	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**<6.3**	mg/kg	12.7	6.3	10	02/05/18 16:00	02/06/18 04:52	14797-55-8	
Nitrite as N	**<6.3**	mg/kg	12.7	6.3	10	02/05/18 16:00	02/06/18 04:52	14797-65-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-4 **Lab ID: 60262644013** Collected: 01/23/18 09:50 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 19:07	309-00-2	
alpha-BHC	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/05/18 19:07	319-84-6	
beta-BHC	**<0.010**	ug/L	0.010	0.010	1	01/26/18 12:10	02/05/18 19:07	319-85-7	
delta-BHC	**<0.0090**	ug/L	0.010	0.0090	1	01/26/18 12:10	02/05/18 19:07	319-86-8	
gamma-BHC (Lindane)	**<0.0080**	ug/L	0.010	0.0080	1	01/26/18 12:10	02/05/18 19:07	58-89-9	
Chlordane (Technical)	**<0.090**	ug/L	0.10	0.090	1	01/26/18 12:10	02/05/18 19:07	57-74-9	
alpha-Chlordane	**<0.024**	ug/L	0.10	0.024	1	01/26/18 12:10	02/05/18 19:07	5103-71-9	
gamma-Chlordane	**<0.034**	ug/L	0.10	0.034	1	01/26/18 12:10	02/05/18 19:07	5103-74-2	
4,4'-DDD	**<0.0050**	ug/L	0.010	0.0050	1	01/26/18 12:10	02/05/18 19:07	72-54-8	
4,4'-DDE	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 19:07	72-55-9	
4,4'-DDT	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 19:07	50-29-3	
Dieldrin	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/05/18 19:07	60-57-1	
Endosulfan I	**<0.021**	ug/L	0.10	0.021	1	01/26/18 12:10	02/05/18 19:07	959-98-8	
Endosulfan II	**<0.0090**	ug/L	0.010	0.0090	1	01/26/18 12:10	02/05/18 19:07	33213-65-9	
Endosulfan sulfate	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 19:07	1031-07-8	
Endrin	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 19:07	72-20-8	
Endrin aldehyde	**<0.029**	ug/L	0.10	0.029	1	01/26/18 12:10	02/05/18 19:07	7421-93-4	
Endrin ketone	**<0.025**	ug/L	0.10	0.025	1	01/26/18 12:10	02/05/18 19:07	53494-70-5	
Heptachlor	**<0.0050**	ug/L	0.010	0.0050	1	01/26/18 12:10	02/05/18 19:07	76-44-8	
Heptachlor epoxide	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 19:07	1024-57-3	
Methoxychlor	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/05/18 19:07	72-43-5	
Toxaphene	**<0.61**	ug/L	1.5	0.61	1	01/26/18 12:10	02/05/18 19:07	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	80	%.	54-127		1	01/26/18 12:10	02/05/18 19:07	877-09-8	
Decachlorobiphenyl (S)	54	%.	12-162		1	01/26/18 12:10	02/05/18 19:07	2051-24-3	
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510								
Stirophos (Tetrachlorvinphos)	**<0.072**	ug/L	0.10	0.072	1	01/26/18 12:10	02/01/18 17:56	22248-79-9	
Azinphos, methyl (Guthion)	**<0.093**	ug/L	0.10	0.093	1	01/26/18 12:10	02/01/18 17:56	86-50-0	
Bolstar	**<0.090**	ug/L	0.10	0.090	1	01/26/18 12:10	02/01/18 17:56	35400-43-2	
Chlorpyrifos	**<0.067**	ug/L	0.10	0.067	1	01/26/18 12:10	02/01/18 17:56	2921-88-2	
Coumaphos	**<0.092**	ug/L	0.10	0.092	1	01/26/18 12:10	02/01/18 17:56	56-72-4	
Diazinon	**<0.078**	ug/L	0.10	0.078	1	01/26/18 12:10	02/01/18 17:56	333-41-5	
Dichlorvos	**<0.073**	ug/L	0.10	0.073	1	01/26/18 12:10	02/01/18 17:56	62-73-7	
Dimethoate	**<0.083**	ug/L	0.10	0.083	1	01/26/18 12:10	02/01/18 17:56	60-51-5	
Disulfoton	**<0.071**	ug/L	0.10	0.071	1	01/26/18 12:10	02/01/18 17:56	298-04-4	
EPN (ENT)	**<0.087**	ug/L	0.10	0.087	1	01/26/18 12:10	02/01/18 17:56	2104-64-5	
Ethoprop	**<0.059**	ug/L	0.10	0.059	1	01/26/18 12:10	02/01/18 17:56	13194-48-4	
Fensulfothion	**<0.087**	ug/L	0.10	0.087	1	01/26/18 12:10	02/01/18 17:56	115-90-2	
Fenthion	**<0.088**	ug/L	0.10	0.088	1	01/26/18 12:10	02/01/18 17:56	55-38-9	
Malathion	**<0.086**	ug/L	0.10	0.086	1	01/26/18 12:10	02/01/18 17:56	121-75-5	
Methyl parathion	**<0.070**	ug/L	0.10	0.070	1	01/26/18 12:10	02/01/18 17:56	298-00-0	
Mevinphos	**<0.065**	ug/L	0.10	0.065	1	01/26/18 12:10	02/01/18 17:56	7786-34-7	
Parathion (Ethyl parathion)	**<0.060**	ug/L	0.10	0.060	1	01/26/18 12:10	02/01/18 17:56	56-38-2	
Phorate	**<0.064**	ug/L	0.10	0.064	1	01/26/18 12:10	02/01/18 17:56	298-02-2	
Ronnel	**<0.088**	ug/L	0.10	0.088	1	01/26/18 12:10	02/01/18 17:56	299-84-3	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-4 **Lab ID: 60262644013** Collected: 01/23/18 09:50 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510								
Sulfotep (Thiodiphosphoric Ac	**<0.061**	ug/L	0.10	0.061	1	01/26/18 12:10	02/01/18 17:56	3689-24-5	
Tokuthion (Prothiofos)	**<0.081**	ug/L	0.10	0.081	1	01/26/18 12:10	02/01/18 17:56	34643-46-4	
Trichloronate	**<0.087**	ug/L	0.10	0.087	1	01/26/18 12:10	02/01/18 17:56	327-98-0	
Total Demeton	**<0.083**	ug/L	0.10	0.083	1	01/26/18 12:10	02/01/18 17:56	8065-48-3	
Total Merphos	**<0.038**	ug/L	0.10	0.038	1	01/26/18 12:10	02/01/18 17:56	150-50-5	
Surrogates									
Triphenylphosphate (S)	98	%.	10-175		1	01/26/18 12:10	02/01/18 17:56	115-86-6	
Tributylphosphate (S)	115	%.	20-150		1	01/26/18 12:10	02/01/18 17:56	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**8.0**	ug/L	2.5	1.2	5	01/29/18 21:00	02/01/18 20:27	94-75-7	
Dalapon	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 13:49	75-99-0	
2,4-DB	**<0.34**	ug/L	0.50	0.34	1	01/29/18 21:00	02/01/18 13:49	94-82-6	
Dicamba	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 13:49	1918-00-9	
Dichloroprop	**6.0**	ug/L	2.5	1.4	5	01/29/18 21:00	02/01/18 20:27	15165-67-0	
Dinoseb	**<0.50**	ug/L	0.50	0.50	1	01/29/18 21:00	02/01/18 13:49	88-85-7	
MCPA	**<20.0**	ug/L	20.0	20.0	1	01/29/18 21:00	02/01/18 13:49	94-74-6	
MCPP	**<20.0**	ug/L	20.0	20.0	1	01/29/18 21:00	02/01/18 13:49	7085-19-0	
2,4,5-T	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 13:49	93-76-5	
2,4,5-TP (Silvex)	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 13:49	93-72-1	
Surrogates									
2,4-DCAA (S)	117	%.	47-166		1	01/29/18 21:00	02/01/18 13:49	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**72.9**	ug/L	10.0	4.2	1	01/30/18 11:15	02/01/18 15:00	7440-38-2	
Barium	**4310**	ug/L	5.0	0.91	1	01/30/18 11:15	02/01/18 15:00	7440-39-3	
Cadmium	**6.4**	ug/L	5.0	0.64	1	01/30/18 11:15	02/01/18 15:00	7440-43-9	
Chromium	**129**	ug/L	5.0	0.72	1	01/30/18 11:15	02/01/18 15:00	7440-47-3	
Lead	**109**	ug/L	5.0	2.4	1	01/30/18 11:15	02/01/18 15:00	7439-92-1	
Selenium	**6.2J**	ug/L	15.0	3.4	1	01/30/18 11:15	02/01/18 15:00	7782-49-2	
Silver	**<1.9**	ug/L	7.0	1.9	1	01/30/18 11:15	02/01/18 15:00	7440-22-4	
6010 MET ICP, Dissolved (LF)	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic, Dissolved	**<4.2**	ug/L	10.0	4.2	1	01/30/18 10:10	01/31/18 17:09	7440-38-2	
Barium, Dissolved	**76.0**	ug/L	5.0	0.91	1	01/30/18 10:10	01/31/18 17:09	7440-39-3	
Cadmium, Dissolved	**0.71J**	ug/L	5.0	0.64	1	01/30/18 10:10	01/31/18 17:09	7440-43-9	
Chromium, Dissolved	**0.84J**	ug/L	5.0	0.72	1	01/30/18 10:10	01/31/18 17:09	7440-47-3	
Lead, Dissolved	**<2.4**	ug/L	5.0	2.4	1	01/30/18 10:10	01/31/18 17:09	7439-92-1	
Selenium, Dissolved	**6.7J**	ug/L	15.0	3.4	1	01/30/18 10:10	01/31/18 17:09	7782-49-2	
Silver, Dissolved	**<1.9**	ug/L	7.0	1.9	1	01/30/18 10:10	01/31/18 17:09	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.25**	ug/L	0.20	0.046	1	02/08/18 11:51	02/08/18 15:16	7439-97-6	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-4 **Lab ID: 60262644013** Collected: 01/23/18 09:50 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury, Dissolved (LF)	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.046**	ug/L	0.20	0.046	1	02/08/18 15:58	02/09/18 10:57	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**<0.34**	ug/L	9.4	0.34	1	01/25/18 00:00	01/26/18 17:50	83-32-9	1e
Acenaphthylene	**<0.36**	ug/L	9.4	0.36	1	01/25/18 00:00	01/26/18 17:50	208-96-8	1e
Anthracene	**<0.28**	ug/L	9.4	0.28	1	01/25/18 00:00	01/26/18 17:50	120-12-7	1e
Benzo(a)anthracene	**<0.27**	ug/L	9.4	0.27	1	01/25/18 00:00	01/26/18 17:50	56-55-3	1e
Benzo(a)pyrene	**<0.34**	ug/L	9.4	0.34	1	01/25/18 00:00	01/26/18 17:50	50-32-8	1e
Benzo(b)fluoranthene	**<0.33**	ug/L	9.4	0.33	1	01/25/18 00:00	01/26/18 17:50	205-99-2	1e
Benzo(g,h,i)perylene	**<0.38**	ug/L	9.4	0.38	1	01/25/18 00:00	01/26/18 17:50	191-24-2	1e
Benzo(k)fluoranthene	**<0.40**	ug/L	9.4	0.40	1	01/25/18 00:00	01/26/18 17:50	207-08-9	1e
Benzoic acid	**9.5J**	ug/L	47.2	2.4	1	01/25/18 00:00	01/26/18 17:50	65-85-0	1e
Benzyl alcohol	**<0.33**	ug/L	18.9	0.33	1	01/25/18 00:00	01/26/18 17:50	100-51-6	1e
4-Bromophenylphenyl ether	**<0.36**	ug/L	9.4	0.36	1	01/25/18 00:00	01/26/18 17:50	101-55-3	1e
Butylbenzylphthalate	**<0.38**	ug/L	9.4	0.38	1	01/25/18 00:00	01/26/18 17:50	85-68-7	1e
Carbazole	**<0.33**	ug/L	9.4	0.33	1	01/25/18 00:00	01/26/18 17:50	86-74-8	1e
4-Chloro-3-methylphenol	**<0.24**	ug/L	18.9	0.24	1	01/25/18 00:00	01/26/18 17:50	59-50-7	1e
4-Chloroaniline	**<0.49**	ug/L	18.9	0.49	1	01/25/18 00:00	01/26/18 17:50	106-47-8	1e
bis(2-Chloroethoxy)methane	**<4.7**	ug/L	9.4	4.7	1	01/25/18 00:00	01/26/18 17:50	111-91-1	1e
bis(2-Chloroethyl) ether	**<0.27**	ug/L	9.4	0.27	1	01/25/18 00:00	01/26/18 17:50	111-44-4	1e
bis(2-Chloroisopropyl) ether	**<0.27**	ug/L	9.4	0.27	1	01/25/18 00:00	01/26/18 17:50	39638-32-9	1e
2-Chloronaphthalene	**<0.33**	ug/L	9.4	0.33	1	01/25/18 00:00	01/26/18 17:50	91-58-7	1e
2-Chlorophenol	**<0.28**	ug/L	9.4	0.28	1	01/25/18 00:00	01/26/18 17:50	95-57-8	1e
4-Chlorophenylphenyl ether	**<0.28**	ug/L	9.4	0.28	1	01/25/18 00:00	01/26/18 17:50	7005-72-3	1e
Chrysene	**<0.34**	ug/L	9.4	0.34	1	01/25/18 00:00	01/26/18 17:50	218-01-9	1e
Dibenz(a,h)anthracene	**<0.42**	ug/L	9.4	0.42	1	01/25/18 00:00	01/26/18 17:50	53-70-3	1e
Dibenzofuran	**<0.37**	ug/L	9.4	0.37	1	01/25/18 00:00	01/26/18 17:50	132-64-9	1e
1,2-Dichlorobenzene	**<0.27**	ug/L	9.4	0.27	1	01/25/18 00:00	01/26/18 17:50	95-50-1	1e
1,3-Dichlorobenzene	**<0.51**	ug/L	9.4	0.51	1	01/25/18 00:00	01/26/18 17:50	541-73-1	1e
1,4-Dichlorobenzene	**<0.39**	ug/L	9.4	0.39	1	01/25/18 00:00	01/26/18 17:50	106-46-7	1e
3,3'-Dichlorobenzidine	**<0.37**	ug/L	18.9	0.37	1	01/25/18 00:00	01/26/18 17:50	91-94-1	1e
2,4-Dichlorophenol	**<0.49**	ug/L	9.4	0.49	1	01/25/18 00:00	01/26/18 17:50	120-83-2	1e
Diethylphthalate	**<0.42**	ug/L	9.4	0.42	1	01/25/18 00:00	01/26/18 17:50	84-66-2	1e
2,4-Dimethylphenol	**<0.57**	ug/L	9.4	0.57	1	01/25/18 00:00	01/26/18 17:50	105-67-9	1e
Dimethylphthalate	**<0.33**	ug/L	9.4	0.33	1	01/25/18 00:00	01/26/18 17:50	131-11-3	1e
Di-n-butylphthalate	**<0.37**	ug/L	9.4	0.37	1	01/25/18 00:00	01/26/18 17:50	84-74-2	1e
4,6-Dinitro-2-methylphenol	**<0.52**	ug/L	47.2	0.52	1	01/25/18 00:00	01/26/18 17:50	534-52-1	1e
2,4-Dinitrophenol	**<7.9**	ug/L	47.2	7.9	1	01/25/18 00:00	01/26/18 17:50	51-28-5	1e
2,4-Dinitrotoluene	**<0.31**	ug/L	9.4	0.31	1	01/25/18 00:00	01/26/18 17:50	121-14-2	1e
2,6-Dinitrotoluene	**<0.26**	ug/L	9.4	0.26	1	01/25/18 00:00	01/26/18 17:50	606-20-2	1e
Di-n-octylphthalate	**<0.47**	ug/L	9.4	0.47	1	01/25/18 00:00	01/26/18 17:50	117-84-0	1e
bis(2-Ethylhexyl)phthalate	**<0.58**	ug/L	9.4	0.58	1	01/25/18 00:00	01/26/18 17:50	117-81-7	1e
Fluoranthene	**<0.35**	ug/L	9.4	0.35	1	01/25/18 00:00	01/26/18 17:50	206-44-0	1e
Fluorene	**<0.32**	ug/L	9.4	0.32	1	01/25/18 00:00	01/26/18 17:50	86-73-7	1e
Hexachloro-1,3-butadiene	**<0.36**	ug/L	9.4	0.36	1	01/25/18 00:00	01/26/18 17:50	87-68-3	1e
Hexachlorobenzene	**<0.28**	ug/L	9.4	0.28	1	01/25/18 00:00	01/26/18 17:50	118-74-1	1e

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-4 **Lab ID: 60262644013** Collected: 01/23/18 09:50 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Hexachlorocyclopentadiene	**<0.33**	ug/L	9.4	0.33	1	01/25/18 00:00	01/26/18 17:50	77-47-4	1e
Hexachloroethane	**<0.27**	ug/L	9.4	0.27	1	01/25/18 00:00	01/26/18 17:50	67-72-1	1e
Indeno(1,2,3-cd)pyrene	**<0.30**	ug/L	9.4	0.30	1	01/25/18 00:00	01/26/18 17:50	193-39-5	1e
Isophorone	**<0.26**	ug/L	9.4	0.26	1	01/25/18 00:00	01/26/18 17:50	78-59-1	1e
2-Methylnaphthalene	**<0.25**	ug/L	9.4	0.25	1	01/25/18 00:00	01/26/18 17:50	91-57-6	1e
2-Methylphenol(o-Cresol)	**<0.26**	ug/L	9.4	0.26	1	01/25/18 00:00	01/26/18 17:50	95-48-7	1e
3&4-Methylphenol(m&p Cresol)	**<4.7**	ug/L	9.4	4.7	1	01/25/18 00:00	01/26/18 17:50		1e
Naphthalene	**<0.34**	ug/L	9.4	0.34	1	01/25/18 00:00	01/26/18 17:50	91-20-3	1e
2-Nitroaniline	**<0.40**	ug/L	47.2	0.40	1	01/25/18 00:00	01/26/18 17:50	88-74-4	1e
3-Nitroaniline	**<0.33**	ug/L	47.2	0.33	1	01/25/18 00:00	01/26/18 17:50	99-09-2	1e
4-Nitroaniline	**<0.33**	ug/L	47.2	0.33	1	01/25/18 00:00	01/26/18 17:50	100-01-6	1e
Nitrobenzene	**<0.28**	ug/L	9.4	0.28	1	01/25/18 00:00	01/26/18 17:50	98-95-3	1e
2-Nitrophenol	**<0.26**	ug/L	9.4	0.26	1	01/25/18 00:00	01/26/18 17:50	88-75-5	1e
4-Nitrophenol	**<0.29**	ug/L	47.2	0.29	1	01/25/18 00:00	01/26/18 17:50	100-02-7	1e
N-Nitroso-di-n-propylamine	**<0.25**	ug/L	9.4	0.25	1	01/25/18 00:00	01/26/18 17:50	621-64-7	1e
N-Nitrosodiphenylamine	**<0.38**	ug/L	9.4	0.38	1	01/25/18 00:00	01/26/18 17:50	86-30-6	1e
Pentachlorophenol	**<0.29**	ug/L	47.2	0.29	1	01/25/18 00:00	01/26/18 17:50	87-86-5	1e
Phenanthrene	**<0.32**	ug/L	9.4	0.32	1	01/25/18 00:00	01/26/18 17:50	85-01-8	1e
Phenol	**<4.7**	ug/L	9.4	4.7	1	01/25/18 00:00	01/26/18 17:50	108-95-2	1e
Pyrene	**<0.26**	ug/L	9.4	0.26	1	01/25/18 00:00	01/26/18 17:50	129-00-0	1e
Pyridine	**<0.29**	ug/L	9.4	0.29	1	01/25/18 00:00	01/26/18 17:50	110-86-1	1e
1,2,4-Trichlorobenzene	**<0.31**	ug/L	9.4	0.31	1	01/25/18 00:00	01/26/18 17:50	120-82-1	1e
2,4,5-Trichlorophenol	**<0.31**	ug/L	47.2	0.31	1	01/25/18 00:00	01/26/18 17:50	95-95-4	1e
2,4,6-Trichlorophenol	**<0.37**	ug/L	9.4	0.37	1	01/25/18 00:00	01/26/18 17:50	88-06-2	1e
Surrogates									
Nitrobenzene-d5 (S)	64	%	33-99		1	01/25/18 00:00	01/26/18 17:50	4165-60-0	
2-Fluorobiphenyl (S)	65	%	30-103		1	01/25/18 00:00	01/26/18 17:50	321-60-8	
Terphenyl-d14 (S)	67	%	38-114		1	01/25/18 00:00	01/26/18 17:50	1718-51-0	
Phenol-d6 (S)	42	%	10-56		1	01/25/18 00:00	01/26/18 17:50	13127-88-3	
2-Fluorophenol (S)	52	%	10-68		1	01/25/18 00:00	01/26/18 17:50	367-12-4	
2,4,6-Tribromophenol (S)	85	%	21-124		1	01/25/18 00:00	01/26/18 17:50	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C								
TPH-ORO	**0.97**	mg/L	0.91	0.91	1	01/25/18 15:00	01/30/18 17:57		1e,B
TPH-DRO	**<0.91**	mg/L	0.91	0.91	1	01/25/18 15:00	01/30/18 17:57		1e
Surrogates									
Nitrobenzene-d5 (S)	77	%	33-99		1	01/25/18 15:00	01/30/18 17:57	4165-60-0	
2-Fluorobiphenyl (S)	80	%	30-103		1	01/25/18 15:00	01/30/18 17:57	321-60-8	
Terphenyl-d14 (S)	82	%	38-114		1	01/25/18 15:00	01/30/18 17:57	1718-51-0	
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**<1.9**	ug/L	10.0	1.9	1		01/25/18 13:55	67-64-1	
Benzene	**<0.060**	ug/L	1.0	0.060	1		01/25/18 13:55	71-43-2	
Bromobenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 13:55	108-86-1	
Bromochloromethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 13:55	74-97-5	
Bromodichloromethane	**<0.19**	ug/L	1.0	0.19	1		01/25/18 13:55	75-27-4	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-4 **Lab ID: 60262644013** Collected: 01/23/18 09:50 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Bromoform	**<0.070**	ug/L	1.0	0.070	1		01/25/18 13:55	75-25-2	
Bromomethane	**<0.16**	ug/L	5.0	0.16	1		01/25/18 13:55	74-83-9	
2-Butanone (MEK)	**<0.59**	ug/L	10.0	0.59	1		01/25/18 13:55	78-93-3	
n-Butylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 13:55	104-51-8	
sec-Butylbenzene	**<0.050**	ug/L	1.0	0.050	1		01/25/18 13:55	135-98-8	
tert-Butylbenzene	**<0.34**	ug/L	1.0	0.34	1		01/25/18 13:55	98-06-6	
Carbon disulfide	**<0.12**	ug/L	5.0	0.12	1		01/25/18 13:55	75-15-0	
Carbon tetrachloride	**<0.18**	ug/L	1.0	0.18	1		01/25/18 13:55	56-23-5	
Chlorobenzene	**<0.21**	ug/L	1.0	0.21	1		01/25/18 13:55	108-90-7	
Chloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 13:55	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		01/25/18 13:55	67-66-3	
Chloromethane	**<0.080**	ug/L	1.0	0.080	1		01/25/18 13:55	74-87-3	
2-Chlorotoluene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 13:55	95-49-8	
4-Chlorotoluene	**<0.14**	ug/L	1.0	0.14	1		01/25/18 13:55	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.59**	ug/L	2.5	0.59	1		01/25/18 13:55	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		01/25/18 13:55	124-48-1	
1,2-Dibromoethane (EDB)	**<0.17**	ug/L	1.0	0.17	1		01/25/18 13:55	106-93-4	
Dibromomethane	**<0.18**	ug/L	1.0	0.18	1		01/25/18 13:55	74-95-3	
1,2-Dichlorobenzene	**<0.050**	ug/L	1.0	0.050	1		01/25/18 13:55	95-50-1	
1,3-Dichlorobenzene	**<0.070**	ug/L	1.0	0.070	1		01/25/18 13:55	541-73-1	
1,4-Dichlorobenzene	**<0.060**	ug/L	1.0	0.060	1		01/25/18 13:55	106-46-7	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	0.21	1		01/25/18 13:55	75-71-8	
1,1-Dichloroethane	**<0.050**	ug/L	1.0	0.050	1		01/25/18 13:55	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		01/25/18 13:55	107-06-2	
1,2-Dichloroethene (Total)	**<0.28**	ug/L	1.0	0.28	1		01/25/18 13:55	540-59-0	
1,1-Dichloroethene	**<0.20**	ug/L	1.0	0.20	1		01/25/18 13:55	75-35-4	
cis-1,2-Dichloroethene	**<0.080**	ug/L	1.0	0.080	1		01/25/18 13:55	156-59-2	
trans-1,2-Dichloroethene	**<0.20**	ug/L	1.0	0.20	1		01/25/18 13:55	156-60-5	
1,2-Dichloropropane	**<0.16**	ug/L	1.0	0.16	1		01/25/18 13:55	78-87-5	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		01/25/18 13:55	142-28-9	
2,2-Dichloropropane	**<0.19**	ug/L	1.0	0.19	1		01/25/18 13:55	594-20-7	
1,1-Dichloropropene	**<0.090**	ug/L	1.0	0.090	1		01/25/18 13:55	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	1.0	0.14	1		01/25/18 13:55	10061-01-5	
trans-1,3-Dichloropropene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 13:55	10061-02-6	
Ethylbenzene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 13:55	100-41-4	
Hexachloro-1,3-butadiene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 13:55	87-68-3	
2-Hexanone	**<1.2**	ug/L	10.0	1.2	1		01/25/18 13:55	591-78-6	
Isopropylbenzene (Cumene)	**<0.070**	ug/L	1.0	0.070	1		01/25/18 13:55	98-82-8	
p-Isopropyltoluene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 13:55	99-87-6	
Methylene chloride	**<0.15**	ug/L	1.0	0.15	1		01/25/18 13:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	10.0	0.42	1		01/25/18 13:55	108-10-1	
Methyl-tert-butyl ether	**<0.060**	ug/L	1.0	0.060	1		01/25/18 13:55	1634-04-4	
Naphthalene	**<0.50**	ug/L	10.0	0.50	1		01/25/18 13:55	91-20-3	
n-Propylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 13:55	103-65-1	
Styrene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 13:55	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 13:55	630-20-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-4 **Lab ID: 60262644013** Collected: 01/23/18 09:50 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 13:55	79-34-5	
Tetrachloroethene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 13:55	127-18-4	
Toluene	**<0.17**	ug/L	1.0	0.17	1		01/25/18 13:55	108-88-3	
1,2,3-Trichlorobenzene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 13:55	87-61-6	
1,2,4-Trichlorobenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 13:55	120-82-1	
1,1,1-Trichloroethane	**0.15J**	ug/L	1.0	0.11	1		01/25/18 13:55	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/25/18 13:55	79-00-5	
Trichloroethene	**<0.17**	ug/L	1.0	0.17	1		01/25/18 13:55	79-01-6	
Trichlorofluoromethane	**<0.34**	ug/L	1.0	0.34	1		01/25/18 13:55	75-69-4	
1,2,3-Trichloropropane	**<0.19**	ug/L	2.5	0.19	1		01/25/18 13:55	96-18-4	
1,2,4-Trimethylbenzene	**<0.090**	ug/L	1.0	0.090	1		01/25/18 13:55	95-63-6	
1,3,5-Trimethylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 13:55	108-67-8	
Vinyl chloride	**<0.13**	ug/L	1.0	0.13	1		01/25/18 13:55	75-01-4	
Xylene (Total)	**<0.42**	ug/L	3.0	0.42	1		01/25/18 13:55	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	80-119		1		01/25/18 13:55	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	80-117		1		01/25/18 13:55	17060-07-0	
Toluene-d8 (S)	97	%	80-115		1		01/25/18 13:55	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		01/25/18 13:55		
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260								
TPH-GRO	**<63.5**	ug/L	500	63.5	1		01/25/18 22:46		
Surrogates									
Toluene-d8 (S)	104	%	80-115		1		01/25/18 22:46	2037-26-5	
4-Bromofluorobenzene (S)	104	%	80-119		1		01/25/18 22:46	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	87-117		1		01/25/18 22:46	17060-07-0	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
pH at 25 Degrees C	**7.0**	Std. Units	0.10	0.10	1		01/26/18 09:30		H6
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**4.9**	mg/L	0.20	0.10	2		01/25/18 13:29		
9056 IC Anions	Analytical Method: EPA 9056								
Sulfate	**120**	mg/L	10.0	5.0	10		02/02/18 19:38	14808-79-8	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-5 **Lab ID: 60262644014** Collected: 01/23/18 10:50 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 19:40	309-00-2	
alpha-BHC	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/05/18 19:40	319-84-6	
beta-BHC	**<0.010**	ug/L	0.010	0.010	1	01/26/18 12:10	02/05/18 19:40	319-85-7	
delta-BHC	**<0.0090**	ug/L	0.010	0.0090	1	01/26/18 12:10	02/05/18 19:40	319-86-8	
gamma-BHC (Lindane)	**<0.0080**	ug/L	0.010	0.0080	1	01/26/18 12:10	02/05/18 19:40	58-89-9	
Chlordane (Technical)	**<0.090**	ug/L	0.10	0.090	1	01/26/18 12:10	02/05/18 19:40	57-74-9	
alpha-Chlordane	**<0.024**	ug/L	0.10	0.024	1	01/26/18 12:10	02/05/18 19:40	5103-71-9	
gamma-Chlordane	**<0.034**	ug/L	0.10	0.034	1	01/26/18 12:10	02/05/18 19:40	5103-74-2	
4,4'-DDD	**<0.0050**	ug/L	0.010	0.0050	1	01/26/18 12:10	02/05/18 19:40	72-54-8	
4,4'-DDE	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 19:40	72-55-9	
4,4'-DDT	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 19:40	50-29-3	
Dieldrin	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/05/18 19:40	60-57-1	
Endosulfan I	**<0.021**	ug/L	0.10	0.021	1	01/26/18 12:10	02/05/18 19:40	959-98-8	
Endosulfan II	**<0.0090**	ug/L	0.010	0.0090	1	01/26/18 12:10	02/05/18 19:40	33213-65-9	
Endosulfan sulfate	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 19:40	1031-07-8	
Endrin	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 19:40	72-20-8	
Endrin aldehyde	**<0.029**	ug/L	0.10	0.029	1	01/26/18 12:10	02/05/18 19:40	7421-93-4	
Endrin ketone	**<0.025**	ug/L	0.10	0.025	1	01/26/18 12:10	02/05/18 19:40	53494-70-5	
Heptachlor	**<0.0050**	ug/L	0.010	0.0050	1	01/26/18 12:10	02/05/18 19:40	76-44-8	
Heptachlor epoxide	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 19:40	1024-57-3	
Methoxychlor	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/05/18 19:40	72-43-5	
Toxaphene	**<0.61**	ug/L	1.5	0.61	1	01/26/18 12:10	02/05/18 19:40	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	83	%.	54-127		1	01/26/18 12:10	02/05/18 19:40	877-09-8	
Decachlorobiphenyl (S)	57	%.	12-162		1	01/26/18 12:10	02/05/18 19:40	2051-24-3	
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510								
Stirophos (Tetrachlorvinphos)	**<0.072**	ug/L	0.10	0.072	1	01/26/18 12:10	02/01/18 18:23	22248-79-9	
Azinphos, methyl (Guthion)	**<0.093**	ug/L	0.10	0.093	1	01/26/18 12:10	02/01/18 18:23	86-50-0	
Bolstar	**<0.090**	ug/L	0.10	0.090	1	01/26/18 12:10	02/01/18 18:23	35400-43-2	
Chlorpyrifos	**<0.067**	ug/L	0.10	0.067	1	01/26/18 12:10	02/01/18 18:23	2921-88-2	
Coumaphos	**<0.092**	ug/L	0.10	0.092	1	01/26/18 12:10	02/01/18 18:23	56-72-4	
Diazinon	**<0.078**	ug/L	0.10	0.078	1	01/26/18 12:10	02/01/18 18:23	333-41-5	
Dichlorvos	**<0.073**	ug/L	0.10	0.073	1	01/26/18 12:10	02/01/18 18:23	62-73-7	
Dimethoate	**<0.083**	ug/L	0.10	0.083	1	01/26/18 12:10	02/01/18 18:23	60-51-5	
Disulfoton	**<0.071**	ug/L	0.10	0.071	1	01/26/18 12:10	02/01/18 18:23	298-04-4	
EPN (ENT)	**<0.087**	ug/L	0.10	0.087	1	01/26/18 12:10	02/01/18 18:23	2104-64-5	
Ethoprop	**<0.059**	ug/L	0.10	0.059	1	01/26/18 12:10	02/01/18 18:23	13194-48-4	
Fensulfothion	**<0.087**	ug/L	0.10	0.087	1	01/26/18 12:10	02/01/18 18:23	115-90-2	
Fenthion	**<0.088**	ug/L	0.10	0.088	1	01/26/18 12:10	02/01/18 18:23	55-38-9	
Malathion	**<0.086**	ug/L	0.10	0.086	1	01/26/18 12:10	02/01/18 18:23	121-75-5	
Methyl parathion	**<0.070**	ug/L	0.10	0.070	1	01/26/18 12:10	02/01/18 18:23	298-00-0	
Mevinphos	**<0.065**	ug/L	0.10	0.065	1	01/26/18 12:10	02/01/18 18:23	7786-34-7	
Parathion (Ethyl parathion)	**<0.060**	ug/L	0.10	0.060	1	01/26/18 12:10	02/01/18 18:23	56-38-2	
Phorate	**<0.064**	ug/L	0.10	0.064	1	01/26/18 12:10	02/01/18 18:23	298-02-2	
Ronnel	**<0.088**	ug/L	0.10	0.088	1	01/26/18 12:10	02/01/18 18:23	299-84-3	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-5 **Lab ID: 60262644014** Collected: 01/23/18 10:50 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510								
Sulfotep (Thiodiphosphoric Ac	**<0.061**	ug/L	0.10	0.061	1	01/26/18 12:10	02/01/18 18:23	3689-24-5	
Tokuthion (Prothiofos)	**<0.081**	ug/L	0.10	0.081	1	01/26/18 12:10	02/01/18 18:23	34643-46-4	
Trichloronate	**<0.087**	ug/L	0.10	0.087	1	01/26/18 12:10	02/01/18 18:23	327-98-0	
Total Demeton	**<0.083**	ug/L	0.10	0.083	1	01/26/18 12:10	02/01/18 18:23	8065-48-3	
Total Merphos	**<0.038**	ug/L	0.10	0.038	1	01/26/18 12:10	02/01/18 18:23	150-50-5	
Surrogates									
Triphenylphosphate (S)	98	%.	10-175		1	01/26/18 12:10	02/01/18 18:23	115-86-6	
Tributylphosphate (S)	124	%.	20-150		1	01/26/18 12:10	02/01/18 18:23	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**8.9**	ug/L	2.5	1.3	5	01/29/18 21:00	02/01/18 20:51	94-75-7	
Dalapon	**<0.25**	ug/L	0.51	0.25	1	01/29/18 21:00	02/01/18 14:14	75-99-0	
2,4-DB	**<0.34**	ug/L	0.51	0.34	1	01/29/18 21:00	02/01/18 14:14	94-82-6	
Dicamba	**0.92**	ug/L	0.51	0.25	1	01/29/18 21:00	02/01/18 14:14	1918-00-9	
Dichloroprop	**7.6**	ug/L	2.5	1.5	5	01/29/18 21:00	02/01/18 20:51	15165-67-0	
Dinoseb	**<0.51**	ug/L	0.51	0.51	1	01/29/18 21:00	02/01/18 14:14	88-85-7	
MCPA	**<20.2**	ug/L	20.2	20.2	1	01/29/18 21:00	02/01/18 14:14	94-74-6	
MCPP	**<20.2**	ug/L	20.2	20.2	1	01/29/18 21:00	02/01/18 14:14	7085-19-0	
2,4,5-T	**<0.25**	ug/L	0.51	0.25	1	01/29/18 21:00	02/01/18 14:14	93-76-5	
2,4,5-TP (Silvex)	**<0.25**	ug/L	0.51	0.25	1	01/29/18 21:00	02/01/18 14:14	93-72-1	
Surrogates									
2,4-DCAA (S)	111	%.	47-166		1	01/29/18 21:00	02/01/18 14:14	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**24.7**	ug/L	10.0	4.2	1	01/30/18 11:15	02/01/18 15:03	7440-38-2	
Barium	**797**	ug/L	5.0	0.91	1	01/30/18 11:15	02/01/18 15:03	7440-39-3	
Cadmium	**1.6J**	ug/L	5.0	0.64	1	01/30/18 11:15	02/01/18 15:03	7440-43-9	
Chromium	**59.1**	ug/L	5.0	0.72	1	01/30/18 11:15	02/01/18 15:03	7440-47-3	
Lead	**37.9**	ug/L	5.0	2.4	1	01/30/18 11:15	02/01/18 15:03	7439-92-1	
Selenium	**<3.4**	ug/L	15.0	3.4	1	01/30/18 11:15	02/01/18 15:03	7782-49-2	
Silver	**<1.9**	ug/L	7.0	1.9	1	01/30/18 11:15	02/01/18 15:03	7440-22-4	
6010 MET ICP, Dissolved (LF)	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic, Dissolved	**<4.2**	ug/L	10.0	4.2	1	01/30/18 10:10	01/31/18 17:16	7440-38-2	
Barium, Dissolved	**78.4**	ug/L	5.0	0.91	1	01/30/18 10:10	01/31/18 17:16	7440-39-3	
Cadmium, Dissolved	**<0.64**	ug/L	5.0	0.64	1	01/30/18 10:10	01/31/18 17:16	7440-43-9	
Chromium, Dissolved	**1.1J**	ug/L	5.0	0.72	1	01/30/18 10:10	01/31/18 17:16	7440-47-3	
Lead, Dissolved	**<2.4**	ug/L	5.0	2.4	1	01/30/18 10:10	01/31/18 17:16	7439-92-1	
Selenium, Dissolved	**4.5J**	ug/L	15.0	3.4	1	01/30/18 10:10	01/31/18 17:16	7782-49-2	
Silver, Dissolved	**<1.9**	ug/L	7.0	1.9	1	01/30/18 10:10	01/31/18 17:16	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.11J**	ug/L	0.20	0.046	1	02/08/18 11:51	02/08/18 15:18	7439-97-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-5 **Lab ID: 60262644014** Collected: 01/23/18 10:50 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury, Dissolved (LF)	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.046**	ug/L	0.20	0.046	1	02/08/18 15:58	02/09/18 10:59	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**<0.33**	ug/L	9.3	0.33	1	01/25/18 00:00	01/26/18 18:11	83-32-9	1e
Acenaphthylene	**<0.35**	ug/L	9.3	0.35	1	01/25/18 00:00	01/26/18 18:11	208-96-8	1e
Anthracene	**<0.28**	ug/L	9.3	0.28	1	01/25/18 00:00	01/26/18 18:11	120-12-7	1e
Benzo(a)anthracene	**<0.27**	ug/L	9.3	0.27	1	01/25/18 00:00	01/26/18 18:11	56-55-3	1e
Benzo(a)pyrene	**<0.33**	ug/L	9.3	0.33	1	01/25/18 00:00	01/26/18 18:11	50-32-8	1e
Benzo(b)fluoranthene	**<0.32**	ug/L	9.3	0.32	1	01/25/18 00:00	01/26/18 18:11	205-99-2	1e
Benzo(g,h,i)perylene	**<0.37**	ug/L	9.3	0.37	1	01/25/18 00:00	01/26/18 18:11	191-24-2	1e
Benzo(k)fluoranthene	**<0.39**	ug/L	9.3	0.39	1	01/25/18 00:00	01/26/18 18:11	207-08-9	1e
Benzoic acid	**9.6J**	ug/L	46.3	2.3	1	01/25/18 00:00	01/26/18 18:11	65-85-0	1e
Benzyl alcohol	**<0.32**	ug/L	18.5	0.32	1	01/25/18 00:00	01/26/18 18:11	100-51-6	1e
4-Bromophenylphenyl ether	**<0.35**	ug/L	9.3	0.35	1	01/25/18 00:00	01/26/18 18:11	101-55-3	1e
Butylbenzylphthalate	**<0.37**	ug/L	9.3	0.37	1	01/25/18 00:00	01/26/18 18:11	85-68-7	1e
Carbazole	**<0.32**	ug/L	9.3	0.32	1	01/25/18 00:00	01/26/18 18:11	86-74-8	1e
4-Chloro-3-methylphenol	**<0.23**	ug/L	18.5	0.23	1	01/25/18 00:00	01/26/18 18:11	59-50-7	1e
4-Chloroaniline	**<0.48**	ug/L	18.5	0.48	1	01/25/18 00:00	01/26/18 18:11	106-47-8	1e
bis(2-Chloroethoxy)methane	**<4.6**	ug/L	9.3	4.6	1	01/25/18 00:00	01/26/18 18:11	111-91-1	1e
bis(2-Chloroethyl) ether	**<0.27**	ug/L	9.3	0.27	1	01/25/18 00:00	01/26/18 18:11	111-44-4	1e
bis(2-Chloroisopropyl) ether	**<0.27**	ug/L	9.3	0.27	1	01/25/18 00:00	01/26/18 18:11	39638-32-9	1e
2-Chloronaphthalene	**<0.32**	ug/L	9.3	0.32	1	01/25/18 00:00	01/26/18 18:11	91-58-7	1e
2-Chlorophenol	**<0.28**	ug/L	9.3	0.28	1	01/25/18 00:00	01/26/18 18:11	95-57-8	1e
4-Chlorophenylphenyl ether	**<0.28**	ug/L	9.3	0.28	1	01/25/18 00:00	01/26/18 18:11	7005-72-3	1e
Chrysene	**<0.33**	ug/L	9.3	0.33	1	01/25/18 00:00	01/26/18 18:11	218-01-9	1e
Dibenz(a,h)anthracene	**<0.42**	ug/L	9.3	0.42	1	01/25/18 00:00	01/26/18 18:11	53-70-3	1e
Dibenzofuran	**<0.36**	ug/L	9.3	0.36	1	01/25/18 00:00	01/26/18 18:11	132-64-9	1e
1,2-Dichlorobenzene	**<0.27**	ug/L	9.3	0.27	1	01/25/18 00:00	01/26/18 18:11	95-50-1	1e
1,3-Dichlorobenzene	**<0.50**	ug/L	9.3	0.50	1	01/25/18 00:00	01/26/18 18:11	541-73-1	1e
1,4-Dichlorobenzene	**<0.38**	ug/L	9.3	0.38	1	01/25/18 00:00	01/26/18 18:11	106-46-7	1e
3,3'-Dichlorobenzidine	**<0.36**	ug/L	18.5	0.36	1	01/25/18 00:00	01/26/18 18:11	91-94-1	1e
2,4-Dichlorophenol	**<0.48**	ug/L	9.3	0.48	1	01/25/18 00:00	01/26/18 18:11	120-83-2	1e
Diethylphthalate	**<0.42**	ug/L	9.3	0.42	1	01/25/18 00:00	01/26/18 18:11	84-66-2	1e
2,4-Dimethylphenol	**<0.56**	ug/L	9.3	0.56	1	01/25/18 00:00	01/26/18 18:11	105-67-9	1e
Dimethylphthalate	**<0.32**	ug/L	9.3	0.32	1	01/25/18 00:00	01/26/18 18:11	131-11-3	1e
Di-n-butylphthalate	**<0.36**	ug/L	9.3	0.36	1	01/25/18 00:00	01/26/18 18:11	84-74-2	1e
4,6-Dinitro-2-methylphenol	**<0.51**	ug/L	46.3	0.51	1	01/25/18 00:00	01/26/18 18:11	534-52-1	1e
2,4-Dinitrophenol	**<7.8**	ug/L	46.3	7.8	1	01/25/18 00:00	01/26/18 18:11	51-28-5	1e
2,4-Dinitrotoluene	**<0.31**	ug/L	9.3	0.31	1	01/25/18 00:00	01/26/18 18:11	121-14-2	1e
2,6-Dinitrotoluene	**<0.26**	ug/L	9.3	0.26	1	01/25/18 00:00	01/26/18 18:11	606-20-2	1e
Di-n-octylphthalate	**<0.46**	ug/L	9.3	0.46	1	01/25/18 00:00	01/26/18 18:11	117-84-0	1e
bis(2-Ethylhexyl)phthalate	**<0.57**	ug/L	9.3	0.57	1	01/25/18 00:00	01/26/18 18:11	117-81-7	1e
Fluoranthene	**<0.34**	ug/L	9.3	0.34	1	01/25/18 00:00	01/26/18 18:11	206-44-0	1e
Fluorene	**<0.31**	ug/L	9.3	0.31	1	01/25/18 00:00	01/26/18 18:11	86-73-7	1e
Hexachloro-1,3-butadiene	**<0.35**	ug/L	9.3	0.35	1	01/25/18 00:00	01/26/18 18:11	87-68-3	1e
Hexachlorobenzene	**<0.28**	ug/L	9.3	0.28	1	01/25/18 00:00	01/26/18 18:11	118-74-1	1e

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-5 **Lab ID: 60262644014** Collected: 01/23/18 10:50 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Hexachlorocyclopentadiene	**<0.32**	ug/L	9.3	0.32	1	01/25/18 00:00	01/26/18 18:11	77-47-4	1e
Hexachloroethane	**<0.27**	ug/L	9.3	0.27	1	01/25/18 00:00	01/26/18 18:11	67-72-1	1e
Indeno(1,2,3-cd)pyrene	**<0.30**	ug/L	9.3	0.30	1	01/25/18 00:00	01/26/18 18:11	193-39-5	1e
Isophorone	**<0.26**	ug/L	9.3	0.26	1	01/25/18 00:00	01/26/18 18:11	78-59-1	1e
2-Methylnaphthalene	**<0.24**	ug/L	9.3	0.24	1	01/25/18 00:00	01/26/18 18:11	91-57-6	1e
2-Methylphenol(o-Cresol)	**<0.26**	ug/L	9.3	0.26	1	01/25/18 00:00	01/26/18 18:11	95-48-7	1e
3&4-Methylphenol(m&p Cresol)	**<4.6**	ug/L	9.3	4.6	1	01/25/18 00:00	01/26/18 18:11		1e
Naphthalene	**<0.33**	ug/L	9.3	0.33	1	01/25/18 00:00	01/26/18 18:11	91-20-3	1e
2-Nitroaniline	**<0.39**	ug/L	46.3	0.39	1	01/25/18 00:00	01/26/18 18:11	88-74-4	1e
3-Nitroaniline	**<0.32**	ug/L	46.3	0.32	1	01/25/18 00:00	01/26/18 18:11	99-09-2	1e
4-Nitroaniline	**<0.32**	ug/L	46.3	0.32	1	01/25/18 00:00	01/26/18 18:11	100-01-6	1e
Nitrobenzene	**<0.28**	ug/L	9.3	0.28	1	01/25/18 00:00	01/26/18 18:11	98-95-3	1e
2-Nitrophenol	**<0.26**	ug/L	9.3	0.26	1	01/25/18 00:00	01/26/18 18:11	88-75-5	1e
4-Nitrophenol	**<0.29**	ug/L	46.3	0.29	1	01/25/18 00:00	01/26/18 18:11	100-02-7	1e
N-Nitroso-di-n-propylamine	**<0.25**	ug/L	9.3	0.25	1	01/25/18 00:00	01/26/18 18:11	621-64-7	1e
N-Nitrosodiphenylamine	**<0.37**	ug/L	9.3	0.37	1	01/25/18 00:00	01/26/18 18:11	86-30-6	1e
Pentachlorophenol	**<0.29**	ug/L	46.3	0.29	1	01/25/18 00:00	01/26/18 18:11	87-86-5	1e
Phenanthrene	**<0.31**	ug/L	9.3	0.31	1	01/25/18 00:00	01/26/18 18:11	85-01-8	1e
Phenol	**<4.6**	ug/L	9.3	4.6	1	01/25/18 00:00	01/26/18 18:11	108-95-2	1e
Pyrene	**<0.26**	ug/L	9.3	0.26	1	01/25/18 00:00	01/26/18 18:11	129-00-0	1e
Pyridine	**<0.29**	ug/L	9.3	0.29	1	01/25/18 00:00	01/26/18 18:11	110-86-1	1e
1,2,4-Trichlorobenzene	**<0.31**	ug/L	9.3	0.31	1	01/25/18 00:00	01/26/18 18:11	120-82-1	1e
2,4,5-Trichlorophenol	**<0.31**	ug/L	46.3	0.31	1	01/25/18 00:00	01/26/18 18:11	95-95-4	1e
2,4,6-Trichlorophenol	**<0.36**	ug/L	9.3	0.36	1	01/25/18 00:00	01/26/18 18:11	88-06-2	1e
Surrogates									
Nitrobenzene-d5 (S)	67	%	33-99		1	01/25/18 00:00	01/26/18 18:11	4165-60-0	
2-Fluorobiphenyl (S)	66	%	30-103		1	01/25/18 00:00	01/26/18 18:11	321-60-8	
Terphenyl-d14 (S)	71	%	38-114		1	01/25/18 00:00	01/26/18 18:11	1718-51-0	
Phenol-d6 (S)	42	%	10-56		1	01/25/18 00:00	01/26/18 18:11	13127-88-3	
2-Fluorophenol (S)	54	%	10-68		1	01/25/18 00:00	01/26/18 18:11	367-12-4	
2,4,6-Tribromophenol (S)	85	%	21-124		1	01/25/18 00:00	01/26/18 18:11	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C								
TPH-ORO	**1.7**	mg/L	0.96	0.96	1	01/25/18 15:00	01/30/18 18:18		1e,B
TPH-DRO	**<0.96**	mg/L	0.96	0.96	1	01/25/18 15:00	01/30/18 18:18		1e
Surrogates									
Nitrobenzene-d5 (S)	74	%	33-99		1	01/25/18 15:00	01/30/18 18:18	4165-60-0	
2-Fluorobiphenyl (S)	79	%	30-103		1	01/25/18 15:00	01/30/18 18:18	321-60-8	
Terphenyl-d14 (S)	93	%	38-114		1	01/25/18 15:00	01/30/18 18:18	1718-51-0	
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**<1.9**	ug/L	10.0	1.9	1		01/25/18 14:09	67-64-1	
Benzene	**<0.060**	ug/L	1.0	0.060	1		01/25/18 14:09	71-43-2	
Bromobenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:09	108-86-1	
Bromochloromethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 14:09	74-97-5	
Bromodichloromethane	**<0.19**	ug/L	1.0	0.19	1		01/25/18 14:09	75-27-4	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-5 **Lab ID: 60262644014** Collected: 01/23/18 10:50 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Bromoform	**<0.070**	ug/L	1.0	0.070	1		01/25/18 14:09	75-25-2	
Bromomethane	**<0.16**	ug/L	5.0	0.16	1		01/25/18 14:09	74-83-9	
2-Butanone (MEK)	**<0.59**	ug/L	10.0	0.59	1		01/25/18 14:09	78-93-3	
n-Butylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:09	104-51-8	
sec-Butylbenzene	**<0.050**	ug/L	1.0	0.050	1		01/25/18 14:09	135-98-8	
tert-Butylbenzene	**<0.34**	ug/L	1.0	0.34	1		01/25/18 14:09	98-06-6	
Carbon disulfide	**<0.12**	ug/L	5.0	0.12	1		01/25/18 14:09	75-15-0	
Carbon tetrachloride	**<0.18**	ug/L	1.0	0.18	1		01/25/18 14:09	56-23-5	
Chlorobenzene	**<0.21**	ug/L	1.0	0.21	1		01/25/18 14:09	108-90-7	
Chloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 14:09	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		01/25/18 14:09	67-66-3	
Chloromethane	**<0.080**	ug/L	1.0	0.080	1		01/25/18 14:09	74-87-3	
2-Chlorotoluene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 14:09	95-49-8	
4-Chlorotoluene	**<0.14**	ug/L	1.0	0.14	1		01/25/18 14:09	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.59**	ug/L	2.5	0.59	1		01/25/18 14:09	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		01/25/18 14:09	124-48-1	
1,2-Dibromoethane (EDB)	**<0.17**	ug/L	1.0	0.17	1		01/25/18 14:09	106-93-4	
Dibromomethane	**<0.18**	ug/L	1.0	0.18	1		01/25/18 14:09	74-95-3	
1,2-Dichlorobenzene	**<0.050**	ug/L	1.0	0.050	1		01/25/18 14:09	95-50-1	
1,3-Dichlorobenzene	**<0.070**	ug/L	1.0	0.070	1		01/25/18 14:09	541-73-1	
1,4-Dichlorobenzene	**<0.060**	ug/L	1.0	0.060	1		01/25/18 14:09	106-46-7	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	0.21	1		01/25/18 14:09	75-71-8	
1,1-Dichloroethane	**<0.050**	ug/L	1.0	0.050	1		01/25/18 14:09	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		01/25/18 14:09	107-06-2	
1,2-Dichloroethene (Total)	**<0.28**	ug/L	1.0	0.28	1		01/25/18 14:09	540-59-0	
1,1-Dichloroethene	**<0.20**	ug/L	1.0	0.20	1		01/25/18 14:09	75-35-4	
cis-1,2-Dichloroethene	**<0.080**	ug/L	1.0	0.080	1		01/25/18 14:09	156-59-2	
trans-1,2-Dichloroethene	**<0.20**	ug/L	1.0	0.20	1		01/25/18 14:09	156-60-5	
1,2-Dichloropropane	**<0.16**	ug/L	1.0	0.16	1		01/25/18 14:09	78-87-5	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		01/25/18 14:09	142-28-9	
2,2-Dichloropropane	**<0.19**	ug/L	1.0	0.19	1		01/25/18 14:09	594-20-7	
1,1-Dichloropropene	**<0.090**	ug/L	1.0	0.090	1		01/25/18 14:09	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	1.0	0.14	1		01/25/18 14:09	10061-01-5	
trans-1,3-Dichloropropene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 14:09	10061-02-6	
Ethylbenzene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 14:09	100-41-4	
Hexachloro-1,3-butadiene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 14:09	87-68-3	
2-Hexanone	**<1.2**	ug/L	10.0	1.2	1		01/25/18 14:09	591-78-6	
Isopropylbenzene (Cumene)	**<0.070**	ug/L	1.0	0.070	1		01/25/18 14:09	98-82-8	
p-Isopropyltoluene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:09	99-87-6	
Methylene chloride	**<0.15**	ug/L	1.0	0.15	1		01/25/18 14:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	10.0	0.42	1		01/25/18 14:09	108-10-1	
Methyl-tert-butyl ether	**<0.060**	ug/L	1.0	0.060	1		01/25/18 14:09	1634-04-4	
Naphthalene	**<0.50**	ug/L	10.0	0.50	1		01/25/18 14:09	91-20-3	
n-Propylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:09	103-65-1	
Styrene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 14:09	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 14:09	630-20-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-5 **Lab ID: 60262644014** Collected: 01/23/18 10:50 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 14:09	79-34-5	
Tetrachloroethene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:09	127-18-4	
Toluene	**<0.17**	ug/L	1.0	0.17	1		01/25/18 14:09	108-88-3	
1,2,3-Trichlorobenzene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 14:09	87-61-6	
1,2,4-Trichlorobenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:09	120-82-1	
1,1,1-Trichloroethane	**<0.11**	ug/L	1.0	0.11	1		01/25/18 14:09	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/25/18 14:09	79-00-5	
Trichloroethene	**<0.17**	ug/L	1.0	0.17	1		01/25/18 14:09	79-01-6	
Trichlorofluoromethane	**<0.34**	ug/L	1.0	0.34	1		01/25/18 14:09	75-69-4	
1,2,3-Trichloropropane	**<0.19**	ug/L	2.5	0.19	1		01/25/18 14:09	96-18-4	
1,2,4-Trimethylbenzene	**<0.090**	ug/L	1.0	0.090	1		01/25/18 14:09	95-63-6	
1,3,5-Trimethylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:09	108-67-8	
Vinyl chloride	**<0.13**	ug/L	1.0	0.13	1		01/25/18 14:09	75-01-4	
Xylene (Total)	**<0.42**	ug/L	3.0	0.42	1		01/25/18 14:09	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	80-119		1		01/25/18 14:09	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	80-117		1		01/25/18 14:09	17060-07-0	
Toluene-d8 (S)	96	%	80-115		1		01/25/18 14:09	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		01/25/18 14:09		
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260								
TPH-GRO	**<63.5**	ug/L	500	63.5	1		01/25/18 23:01		
Surrogates									
Toluene-d8 (S)	104	%	80-115		1		01/25/18 23:01	2037-26-5	
4-Bromofluorobenzene (S)	103	%	80-119		1		01/25/18 23:01	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	87-117		1		01/25/18 23:01	17060-07-0	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
pH at 25 Degrees C	**7.1**	Std. Units	0.10	0.10	1		01/26/18 09:33		H6
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**4.4**	mg/L	0.20	0.10	2		01/25/18 13:30		
9056 IC Anions	Analytical Method: EPA 9056								
Sulfate	**119**	mg/L	10.0	5.0	10		02/02/18 19:52	14808-79-8	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-6 **Lab ID: 60262644015** Collected: 01/23/18 13:00 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 20:13	309-00-2	
alpha-BHC	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/05/18 20:13	319-84-6	
beta-BHC	**<0.010**	ug/L	0.010	0.010	1	01/26/18 12:10	02/05/18 20:13	319-85-7	
delta-BHC	**<0.0090**	ug/L	0.010	0.0090	1	01/26/18 12:10	02/05/18 20:13	319-86-8	
gamma-BHC (Lindane)	**<0.0080**	ug/L	0.010	0.0080	1	01/26/18 12:10	02/05/18 20:13	58-89-9	
Chlordane (Technical)	**<0.090**	ug/L	0.10	0.090	1	01/26/18 12:10	02/05/18 20:13	57-74-9	
alpha-Chlordane	**<0.024**	ug/L	0.10	0.024	1	01/26/18 12:10	02/05/18 20:13	5103-71-9	
gamma-Chlordane	**<0.034**	ug/L	0.10	0.034	1	01/26/18 12:10	02/05/18 20:13	5103-74-2	
4,4'-DDD	**<0.0050**	ug/L	0.010	0.0050	1	01/26/18 12:10	02/05/18 20:13	72-54-8	
4,4'-DDE	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 20:13	72-55-9	
4,4'-DDT	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 20:13	50-29-3	
Dieldrin	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/05/18 20:13	60-57-1	
Endosulfan I	**<0.021**	ug/L	0.10	0.021	1	01/26/18 12:10	02/05/18 20:13	959-98-8	
Endosulfan II	**<0.0090**	ug/L	0.010	0.0090	1	01/26/18 12:10	02/05/18 20:13	33213-65-9	
Endosulfan sulfate	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 20:13	1031-07-8	
Endrin	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 20:13	72-20-8	
Endrin aldehyde	**<0.029**	ug/L	0.10	0.029	1	01/26/18 12:10	02/05/18 20:13	7421-93-4	
Endrin ketone	**<0.025**	ug/L	0.10	0.025	1	01/26/18 12:10	02/05/18 20:13	53494-70-5	
Heptachlor	**<0.0050**	ug/L	0.010	0.0050	1	01/26/18 12:10	02/05/18 20:13	76-44-8	
Heptachlor epoxide	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 20:13	1024-57-3	
Methoxychlor	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/05/18 20:13	72-43-5	
Toxaphene	**<0.61**	ug/L	1.5	0.61	1	01/26/18 12:10	02/05/18 20:13	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	75	%.	54-127		1	01/26/18 12:10	02/05/18 20:13	877-09-8	
Decachlorobiphenyl (S)	37	%.	12-162		1	01/26/18 12:10	02/05/18 20:13	2051-24-3	
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510								
Stirophos (Tetrachlorvinphos)	**<0.072**	ug/L	0.10	0.072	1	01/26/18 12:10	02/01/18 18:50	22248-79-9	
Azinphos, methyl (Guthion)	**<0.093**	ug/L	0.10	0.093	1	01/26/18 12:10	02/01/18 18:50	86-50-0	
Bolstar	**<0.090**	ug/L	0.10	0.090	1	01/26/18 12:10	02/01/18 18:50	35400-43-2	
Chlorpyrifos	**<0.067**	ug/L	0.10	0.067	1	01/26/18 12:10	02/01/18 18:50	2921-88-2	
Coumaphos	**<0.092**	ug/L	0.10	0.092	1	01/26/18 12:10	02/01/18 18:50	56-72-4	
Diazinon	**<0.078**	ug/L	0.10	0.078	1	01/26/18 12:10	02/01/18 18:50	333-41-5	
Dichlorvos	**<0.073**	ug/L	0.10	0.073	1	01/26/18 12:10	02/01/18 18:50	62-73-7	
Dimethoate	**<0.083**	ug/L	0.10	0.083	1	01/26/18 12:10	02/01/18 18:50	60-51-5	
Disulfoton	**<0.071**	ug/L	0.10	0.071	1	01/26/18 12:10	02/01/18 18:50	298-04-4	
EPN (ENT)	**<0.087**	ug/L	0.10	0.087	1	01/26/18 12:10	02/01/18 18:50	2104-64-5	
Ethoprop	**<0.059**	ug/L	0.10	0.059	1	01/26/18 12:10	02/01/18 18:50	13194-48-4	
Fensulfothion	**<0.087**	ug/L	0.10	0.087	1	01/26/18 12:10	02/01/18 18:50	115-90-2	
Fenthion	**<0.088**	ug/L	0.10	0.088	1	01/26/18 12:10	02/01/18 18:50	55-38-9	
Malathion	**<0.086**	ug/L	0.10	0.086	1	01/26/18 12:10	02/01/18 18:50	121-75-5	
Methyl parathion	**<0.070**	ug/L	0.10	0.070	1	01/26/18 12:10	02/01/18 18:50	298-00-0	
Mevinphos	**<0.065**	ug/L	0.10	0.065	1	01/26/18 12:10	02/01/18 18:50	7786-34-7	
Parathion (Ethyl parathion)	**<0.060**	ug/L	0.10	0.060	1	01/26/18 12:10	02/01/18 18:50	56-38-2	
Phorate	**<0.064**	ug/L	0.10	0.064	1	01/26/18 12:10	02/01/18 18:50	298-02-2	
Ronnel	**<0.088**	ug/L	0.10	0.088	1	01/26/18 12:10	02/01/18 18:50	299-84-3	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-6 **Lab ID: 60262644015** Collected: 01/23/18 13:00 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510								
Sulfotep (Thiodiphosphoric Ac	**<0.061**	ug/L	0.10	0.061	1	01/26/18 12:10	02/01/18 18:50	3689-24-5	
Tokuthion (Prothiofos)	**<0.081**	ug/L	0.10	0.081	1	01/26/18 12:10	02/01/18 18:50	34643-46-4	
Trichloronate	**<0.087**	ug/L	0.10	0.087	1	01/26/18 12:10	02/01/18 18:50	327-98-0	
Total Demeton	**<0.083**	ug/L	0.10	0.083	1	01/26/18 12:10	02/01/18 18:50	8065-48-3	
Total Merphos	**<0.038**	ug/L	0.10	0.038	1	01/26/18 12:10	02/01/18 18:50	150-50-5	
Surrogates									
Triphenylphosphate (S)	79	%.	10-175		1	01/26/18 12:10	02/01/18 18:50	115-86-6	
Tributylphosphate (S)	121	%.	20-150		1	01/26/18 12:10	02/01/18 18:50	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**1.5**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 14:39	94-75-7	
Dalapon	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 14:39	75-99-0	
2,4-DB	**<0.34**	ug/L	0.50	0.34	1	01/29/18 21:00	02/01/18 14:39	94-82-6	
Dicamba	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 14:39	1918-00-9	
Dichloroprop	**1.5**	ug/L	0.50	0.29	1	01/29/18 21:00	02/01/18 14:39	15165-67-0	
Dinoseb	**<0.50**	ug/L	0.50	0.50	1	01/29/18 21:00	02/01/18 14:39	88-85-7	
MCPA	**<20.0**	ug/L	20.0	20.0	1	01/29/18 21:00	02/01/18 14:39	94-74-6	
MCPP	**<20.0**	ug/L	20.0	20.0	1	01/29/18 21:00	02/01/18 14:39	7085-19-0	
2,4,5-T	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 14:39	93-76-5	
2,4,5-TP (Silvex)	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 14:39	93-72-1	
Surrogates									
2,4-DCAA (S)	126	%.	47-166		1	01/29/18 21:00	02/01/18 14:39	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**55.7**	ug/L	10.0	4.2	1	01/30/18 11:15	02/01/18 15:05	7440-38-2	
Barium	**4080**	ug/L	5.0	0.91	1	01/30/18 11:15	02/01/18 15:05	7440-39-3	
Cadmium	**6.8**	ug/L	5.0	0.64	1	01/30/18 11:15	02/01/18 15:05	7440-43-9	
Chromium	**151**	ug/L	5.0	0.72	1	01/30/18 11:15	02/01/18 15:05	7440-47-3	
Lead	**137**	ug/L	5.0	2.4	1	01/30/18 11:15	02/01/18 15:05	7439-92-1	
Selenium	**5.5J**	ug/L	15.0	3.4	1	01/30/18 11:15	02/01/18 15:05	7782-49-2	
Silver	**<1.9**	ug/L	7.0	1.9	1	01/30/18 11:15	02/01/18 15:05	7440-22-4	
6010 MET ICP, Dissolved (LF)	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic, Dissolved	**<4.2**	ug/L	10.0	4.2	1	01/30/18 10:10	01/31/18 17:18	7440-38-2	
Barium, Dissolved	**70.2**	ug/L	5.0	0.91	1	01/30/18 10:10	01/31/18 17:18	7440-39-3	
Cadmium, Dissolved	**<0.64**	ug/L	5.0	0.64	1	01/30/18 10:10	01/31/18 17:18	7440-43-9	
Chromium, Dissolved	**1.4J**	ug/L	5.0	0.72	1	01/30/18 10:10	01/31/18 17:18	7440-47-3	
Lead, Dissolved	**<2.4**	ug/L	5.0	2.4	1	01/30/18 10:10	01/31/18 17:18	7439-92-1	
Selenium, Dissolved	**4.5J**	ug/L	15.0	3.4	1	01/30/18 10:10	01/31/18 17:18	7782-49-2	
Silver, Dissolved	**<1.9**	ug/L	7.0	1.9	1	01/30/18 10:10	01/31/18 17:18	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**1.1**	ug/L	0.20	0.046	1	02/08/18 11:51	02/08/18 15:20	7439-97-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-6 **Lab ID: 60262644015** Collected: 01/23/18 13:00 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury, Dissolved (LF)	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.046**	ug/L	0.20	0.046	1	02/08/18 15:58	02/09/18 11:01	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**<0.36**	ug/L	10.0	0.36	1	01/25/18 00:00	01/26/18 18:33	83-32-9	1e
Acenaphthylene	**<0.38**	ug/L	10.0	0.38	1	01/25/18 00:00	01/26/18 18:33	208-96-8	1e
Anthracene	**<0.30**	ug/L	10.0	0.30	1	01/25/18 00:00	01/26/18 18:33	120-12-7	1e
Benzo(a)anthracene	**<0.29**	ug/L	10.0	0.29	1	01/25/18 00:00	01/26/18 18:33	56-55-3	1e
Benzo(a)pyrene	**<0.36**	ug/L	10.0	0.36	1	01/25/18 00:00	01/26/18 18:33	50-32-8	1e
Benzo(b)fluoranthene	**<0.35**	ug/L	10.0	0.35	1	01/25/18 00:00	01/26/18 18:33	205-99-2	1e
Benzo(g,h,i)perylene	**<0.40**	ug/L	10.0	0.40	1	01/25/18 00:00	01/26/18 18:33	191-24-2	1e
Benzo(k)fluoranthene	**<0.42**	ug/L	10.0	0.42	1	01/25/18 00:00	01/26/18 18:33	207-08-9	1e
Benzoic acid	**10.2J**	ug/L	50.0	2.5	1	01/25/18 00:00	01/26/18 18:33	65-85-0	1e
Benzyl alcohol	**<0.35**	ug/L	20.0	0.35	1	01/25/18 00:00	01/26/18 18:33	100-51-6	1e
4-Bromophenylphenyl ether	**<0.38**	ug/L	10.0	0.38	1	01/25/18 00:00	01/26/18 18:33	101-55-3	1e
Butylbenzylphthalate	**<0.40**	ug/L	10.0	0.40	1	01/25/18 00:00	01/26/18 18:33	85-68-7	1e
Carbazole	**<0.35**	ug/L	10.0	0.35	1	01/25/18 00:00	01/26/18 18:33	86-74-8	1e
4-Chloro-3-methylphenol	**<0.25**	ug/L	20.0	0.25	1	01/25/18 00:00	01/26/18 18:33	59-50-7	1e
4-Chloroaniline	**<0.52**	ug/L	20.0	0.52	1	01/25/18 00:00	01/26/18 18:33	106-47-8	1e
bis(2-Chloroethoxy)methane	**<5.0**	ug/L	10.0	5.0	1	01/25/18 00:00	01/26/18 18:33	111-91-1	1e
bis(2-Chloroethyl) ether	**<0.29**	ug/L	10.0	0.29	1	01/25/18 00:00	01/26/18 18:33	111-44-4	1e
bis(2-Chloroisopropyl) ether	**<0.29**	ug/L	10.0	0.29	1	01/25/18 00:00	01/26/18 18:33	39638-32-9	1e
2-Chloronaphthalene	**<0.35**	ug/L	10.0	0.35	1	01/25/18 00:00	01/26/18 18:33	91-58-7	1e
2-Chlorophenol	**<0.30**	ug/L	10.0	0.30	1	01/25/18 00:00	01/26/18 18:33	95-57-8	1e
4-Chlorophenylphenyl ether	**<0.30**	ug/L	10.0	0.30	1	01/25/18 00:00	01/26/18 18:33	7005-72-3	1e
Chrysene	**<0.36**	ug/L	10.0	0.36	1	01/25/18 00:00	01/26/18 18:33	218-01-9	1e
Dibenz(a,h)anthracene	**<0.45**	ug/L	10.0	0.45	1	01/25/18 00:00	01/26/18 18:33	53-70-3	1e
Dibenzofuran	**<0.39**	ug/L	10.0	0.39	1	01/25/18 00:00	01/26/18 18:33	132-64-9	1e
1,2-Dichlorobenzene	**<0.29**	ug/L	10.0	0.29	1	01/25/18 00:00	01/26/18 18:33	95-50-1	1e
1,3-Dichlorobenzene	**<0.54**	ug/L	10.0	0.54	1	01/25/18 00:00	01/26/18 18:33	541-73-1	1e
1,4-Dichlorobenzene	**<0.41**	ug/L	10.0	0.41	1	01/25/18 00:00	01/26/18 18:33	106-46-7	1e
3,3'-Dichlorobenzidine	**<0.39**	ug/L	20.0	0.39	1	01/25/18 00:00	01/26/18 18:33	91-94-1	1e
2,4-Dichlorophenol	**<0.52**	ug/L	10.0	0.52	1	01/25/18 00:00	01/26/18 18:33	120-83-2	1e
Diethylphthalate	**<0.45**	ug/L	10.0	0.45	1	01/25/18 00:00	01/26/18 18:33	84-66-2	1e
2,4-Dimethylphenol	**<0.60**	ug/L	10.0	0.60	1	01/25/18 00:00	01/26/18 18:33	105-67-9	1e
Dimethylphthalate	**<0.35**	ug/L	10.0	0.35	1	01/25/18 00:00	01/26/18 18:33	131-11-3	1e
Di-n-butylphthalate	**<0.39**	ug/L	10.0	0.39	1	01/25/18 00:00	01/26/18 18:33	84-74-2	1e
4,6-Dinitro-2-methylphenol	**<0.55**	ug/L	50.0	0.55	1	01/25/18 00:00	01/26/18 18:33	534-52-1	1e
2,4-Dinitrophenol	**<8.4**	ug/L	50.0	8.4	1	01/25/18 00:00	01/26/18 18:33	51-28-5	1e
2,4-Dinitrotoluene	**<0.33**	ug/L	10.0	0.33	1	01/25/18 00:00	01/26/18 18:33	121-14-2	1e
2,6-Dinitrotoluene	**<0.28**	ug/L	10.0	0.28	1	01/25/18 00:00	01/26/18 18:33	606-20-2	1e
Di-n-octylphthalate	**<0.50**	ug/L	10.0	0.50	1	01/25/18 00:00	01/26/18 18:33	117-84-0	1e
bis(2-Ethylhexyl)phthalate	**<0.62**	ug/L	10.0	0.62	1	01/25/18 00:00	01/26/18 18:33	117-81-7	1e
Fluoranthene	**<0.37**	ug/L	10.0	0.37	1	01/25/18 00:00	01/26/18 18:33	206-44-0	1e
Fluorene	**<0.34**	ug/L	10.0	0.34	1	01/25/18 00:00	01/26/18 18:33	86-73-7	1e
Hexachloro-1,3-butadiene	**<0.38**	ug/L	10.0	0.38	1	01/25/18 00:00	01/26/18 18:33	87-68-3	1e
Hexachlorobenzene	**<0.30**	ug/L	10.0	0.30	1	01/25/18 00:00	01/26/18 18:33	118-74-1	1e

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-6 **Lab ID: 60262644015** Collected: 01/23/18 13:00 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Hexachlorocyclopentadiene	**<0.35**	ug/L	10.0	0.35	1	01/25/18 00:00	01/26/18 18:33	77-47-4	1e
Hexachloroethane	**<0.29**	ug/L	10.0	0.29	1	01/25/18 00:00	01/26/18 18:33	67-72-1	1e
Indeno(1,2,3-cd)pyrene	**<0.32**	ug/L	10.0	0.32	1	01/25/18 00:00	01/26/18 18:33	193-39-5	1e
Isophorone	**<0.28**	ug/L	10.0	0.28	1	01/25/18 00:00	01/26/18 18:33	78-59-1	1e
2-Methylnaphthalene	**<0.26**	ug/L	10.0	0.26	1	01/25/18 00:00	01/26/18 18:33	91-57-6	1e
2-Methylphenol(o-Cresol)	**<0.28**	ug/L	10.0	0.28	1	01/25/18 00:00	01/26/18 18:33	95-48-7	1e
3&4-Methylphenol(m&p Cresol)	**<5.0**	ug/L	10.0	5.0	1	01/25/18 00:00	01/26/18 18:33		1e
Naphthalene	**<0.36**	ug/L	10.0	0.36	1	01/25/18 00:00	01/26/18 18:33	91-20-3	1e
2-Nitroaniline	**<0.42**	ug/L	50.0	0.42	1	01/25/18 00:00	01/26/18 18:33	88-74-4	1e
3-Nitroaniline	**<0.35**	ug/L	50.0	0.35	1	01/25/18 00:00	01/26/18 18:33	99-09-2	1e
4-Nitroaniline	**<0.35**	ug/L	50.0	0.35	1	01/25/18 00:00	01/26/18 18:33	100-01-6	1e
Nitrobenzene	**<0.30**	ug/L	10.0	0.30	1	01/25/18 00:00	01/26/18 18:33	98-95-3	1e
2-Nitrophenol	**<0.28**	ug/L	10.0	0.28	1	01/25/18 00:00	01/26/18 18:33	88-75-5	1e
4-Nitrophenol	**<0.31**	ug/L	50.0	0.31	1	01/25/18 00:00	01/26/18 18:33	100-02-7	1e
N-Nitroso-di-n-propylamine	**<0.27**	ug/L	10.0	0.27	1	01/25/18 00:00	01/26/18 18:33	621-64-7	1e
N-Nitrosodiphenylamine	**<0.40**	ug/L	10.0	0.40	1	01/25/18 00:00	01/26/18 18:33	86-30-6	1e
Pentachlorophenol	**<0.31**	ug/L	50.0	0.31	1	01/25/18 00:00	01/26/18 18:33	87-86-5	1e
Phenanthrene	**<0.34**	ug/L	10.0	0.34	1	01/25/18 00:00	01/26/18 18:33	85-01-8	1e
Phenol	**<5.0**	ug/L	10.0	5.0	1	01/25/18 00:00	01/26/18 18:33	108-95-2	1e
Pyrene	**<0.28**	ug/L	10.0	0.28	1	01/25/18 00:00	01/26/18 18:33	129-00-0	1e
Pyridine	**<0.31**	ug/L	10.0	0.31	1	01/25/18 00:00	01/26/18 18:33	110-86-1	1e
1,2,4-Trichlorobenzene	**<0.33**	ug/L	10.0	0.33	1	01/25/18 00:00	01/26/18 18:33	120-82-1	1e
2,4,5-Trichlorophenol	**<0.33**	ug/L	50.0	0.33	1	01/25/18 00:00	01/26/18 18:33	95-95-4	1e
2,4,6-Trichlorophenol	**<0.39**	ug/L	10.0	0.39	1	01/25/18 00:00	01/26/18 18:33	88-06-2	1e
Surrogates									
Nitrobenzene-d5 (S)	64	%	33-99		1	01/25/18 00:00	01/26/18 18:33	4165-60-0	
2-Fluorobiphenyl (S)	65	%	30-103		1	01/25/18 00:00	01/26/18 18:33	321-60-8	
Terphenyl-d14 (S)	64	%	38-114		1	01/25/18 00:00	01/26/18 18:33	1718-51-0	
Phenol-d6 (S)	41	%	10-56		1	01/25/18 00:00	01/26/18 18:33	13127-88-3	
2-Fluorophenol (S)	52	%	10-68		1	01/25/18 00:00	01/26/18 18:33	367-12-4	
2,4,6-Tribromophenol (S)	83	%	21-124		1	01/25/18 00:00	01/26/18 18:33	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C								
TPH-ORO	**1.3**	mg/L	0.91	0.91	1	01/25/18 15:00	01/30/18 18:39		1e,B
TPH-DRO	**<0.91**	mg/L	0.91	0.91	1	01/25/18 15:00	01/30/18 18:39		1e
Surrogates									
Nitrobenzene-d5 (S)	75	%	33-99		1	01/25/18 15:00	01/30/18 18:39	4165-60-0	
2-Fluorobiphenyl (S)	76	%	30-103		1	01/25/18 15:00	01/30/18 18:39	321-60-8	
Terphenyl-d14 (S)	75	%	38-114		1	01/25/18 15:00	01/30/18 18:39	1718-51-0	
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**<1.9**	ug/L	10.0	1.9	1		01/25/18 14:23	67-64-1	
Benzene	**<0.060**	ug/L	1.0	0.060	1		01/25/18 14:23	71-43-2	
Bromobenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:23	108-86-1	
Bromochloromethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 14:23	74-97-5	
Bromodichloromethane	**<0.19**	ug/L	1.0	0.19	1		01/25/18 14:23	75-27-4	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-6 **Lab ID: 60262644015** Collected: 01/23/18 13:00 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Bromoform	**<0.070**	ug/L	1.0	0.070	1		01/25/18 14:23	75-25-2	
Bromomethane	**<0.16**	ug/L	5.0	0.16	1		01/25/18 14:23	74-83-9	
2-Butanone (MEK)	**<0.59**	ug/L	10.0	0.59	1		01/25/18 14:23	78-93-3	
n-Butylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:23	104-51-8	
sec-Butylbenzene	**<0.050**	ug/L	1.0	0.050	1		01/25/18 14:23	135-98-8	
tert-Butylbenzene	**<0.34**	ug/L	1.0	0.34	1		01/25/18 14:23	98-06-6	
Carbon disulfide	**<0.12**	ug/L	5.0	0.12	1		01/25/18 14:23	75-15-0	
Carbon tetrachloride	**<0.18**	ug/L	1.0	0.18	1		01/25/18 14:23	56-23-5	
Chlorobenzene	**<0.21**	ug/L	1.0	0.21	1		01/25/18 14:23	108-90-7	
Chloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 14:23	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		01/25/18 14:23	67-66-3	
Chloromethane	**<0.080**	ug/L	1.0	0.080	1		01/25/18 14:23	74-87-3	
2-Chlorotoluene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 14:23	95-49-8	
4-Chlorotoluene	**<0.14**	ug/L	1.0	0.14	1		01/25/18 14:23	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.59**	ug/L	2.5	0.59	1		01/25/18 14:23	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		01/25/18 14:23	124-48-1	
1,2-Dibromoethane (EDB)	**<0.17**	ug/L	1.0	0.17	1		01/25/18 14:23	106-93-4	
Dibromomethane	**<0.18**	ug/L	1.0	0.18	1		01/25/18 14:23	74-95-3	
1,2-Dichlorobenzene	**<0.050**	ug/L	1.0	0.050	1		01/25/18 14:23	95-50-1	
1,3-Dichlorobenzene	**<0.070**	ug/L	1.0	0.070	1		01/25/18 14:23	541-73-1	
1,4-Dichlorobenzene	**<0.060**	ug/L	1.0	0.060	1		01/25/18 14:23	106-46-7	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	0.21	1		01/25/18 14:23	75-71-8	
1,1-Dichloroethane	**<0.050**	ug/L	1.0	0.050	1		01/25/18 14:23	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		01/25/18 14:23	107-06-2	
1,2-Dichloroethene (Total)	**<0.28**	ug/L	1.0	0.28	1		01/25/18 14:23	540-59-0	
1,1-Dichloroethene	**<0.20**	ug/L	1.0	0.20	1		01/25/18 14:23	75-35-4	
cis-1,2-Dichloroethene	**<0.080**	ug/L	1.0	0.080	1		01/25/18 14:23	156-59-2	
trans-1,2-Dichloroethene	**<0.20**	ug/L	1.0	0.20	1		01/25/18 14:23	156-60-5	
1,2-Dichloropropane	**<0.16**	ug/L	1.0	0.16	1		01/25/18 14:23	78-87-5	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		01/25/18 14:23	142-28-9	
2,2-Dichloropropane	**<0.19**	ug/L	1.0	0.19	1		01/25/18 14:23	594-20-7	
1,1-Dichloropropene	**<0.090**	ug/L	1.0	0.090	1		01/25/18 14:23	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	1.0	0.14	1		01/25/18 14:23	10061-01-5	
trans-1,3-Dichloropropene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 14:23	10061-02-6	
Ethylbenzene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 14:23	100-41-4	
Hexachloro-1,3-butadiene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 14:23	87-68-3	
2-Hexanone	**<1.2**	ug/L	10.0	1.2	1		01/25/18 14:23	591-78-6	
Isopropylbenzene (Cumene)	**<0.070**	ug/L	1.0	0.070	1		01/25/18 14:23	98-82-8	
p-Isopropyltoluene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:23	99-87-6	
Methylene chloride	**<0.15**	ug/L	1.0	0.15	1		01/25/18 14:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	10.0	0.42	1		01/25/18 14:23	108-10-1	
Methyl-tert-butyl ether	**<0.060**	ug/L	1.0	0.060	1		01/25/18 14:23	1634-04-4	
Naphthalene	**<0.50**	ug/L	10.0	0.50	1		01/25/18 14:23	91-20-3	
n-Propylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:23	103-65-1	
Styrene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 14:23	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 14:23	630-20-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-6 **Lab ID: 60262644015** Collected: 01/23/18 13:00 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 14:23	79-34-5	
Tetrachloroethene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:23	127-18-4	
Toluene	**<0.17**	ug/L	1.0	0.17	1		01/25/18 14:23	108-88-3	
1,2,3-Trichlorobenzene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 14:23	87-61-6	
1,2,4-Trichlorobenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:23	120-82-1	
1,1,1-Trichloroethane	**0.72J**	ug/L	1.0	0.11	1		01/25/18 14:23	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/25/18 14:23	79-00-5	
Trichloroethene	**<0.17**	ug/L	1.0	0.17	1		01/25/18 14:23	79-01-6	
Trichlorofluoromethane	**<0.34**	ug/L	1.0	0.34	1		01/25/18 14:23	75-69-4	
1,2,3-Trichloropropane	**<0.19**	ug/L	2.5	0.19	1		01/25/18 14:23	96-18-4	
1,2,4-Trimethylbenzene	**<0.090**	ug/L	1.0	0.090	1		01/25/18 14:23	95-63-6	
1,3,5-Trimethylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:23	108-67-8	
Vinyl chloride	**<0.13**	ug/L	1.0	0.13	1		01/25/18 14:23	75-01-4	
Xylene (Total)	**<0.42**	ug/L	3.0	0.42	1		01/25/18 14:23	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	80-119		1		01/25/18 14:23	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	80-117		1		01/25/18 14:23	17060-07-0	
Toluene-d8 (S)	94	%	80-115		1		01/25/18 14:23	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		01/25/18 14:23		
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260								
TPH-GRO	**<63.5**	ug/L	500	63.5	1		01/25/18 23:16		
Surrogates									
Toluene-d8 (S)	104	%	80-115		1		01/25/18 23:16	2037-26-5	
4-Bromofluorobenzene (S)	104	%	80-119		1		01/25/18 23:16	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	87-117		1		01/25/18 23:16	17060-07-0	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
pH at 25 Degrees C	**7.4**	Std. Units	0.10	0.10	1		01/31/18 11:24		H6
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**5.6**	mg/L	0.20	0.10	2		01/25/18 13:31		
9056 IC Anions	Analytical Method: EPA 9056								
Sulfate	**113**	mg/L	10.0	5.0	10		02/02/18 20:06	14808-79-8	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-7 **Lab ID: 60262644016** Collected: 01/23/18 14:00 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 20:46	309-00-2	
alpha-BHC	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/05/18 20:46	319-84-6	
beta-BHC	**<0.010**	ug/L	0.010	0.010	1	01/26/18 12:10	02/05/18 20:46	319-85-7	
delta-BHC	**<0.0090**	ug/L	0.010	0.0090	1	01/26/18 12:10	02/05/18 20:46	319-86-8	
gamma-BHC (Lindane)	**<0.0080**	ug/L	0.010	0.0080	1	01/26/18 12:10	02/05/18 20:46	58-89-9	
Chlordane (Technical)	**<0.090**	ug/L	0.10	0.090	1	01/26/18 12:10	02/05/18 20:46	57-74-9	
alpha-Chlordane	**<0.024**	ug/L	0.10	0.024	1	01/26/18 12:10	02/05/18 20:46	5103-71-9	
gamma-Chlordane	**<0.034**	ug/L	0.10	0.034	1	01/26/18 12:10	02/05/18 20:46	5103-74-2	
4,4'-DDD	**<0.0050**	ug/L	0.010	0.0050	1	01/26/18 12:10	02/05/18 20:46	72-54-8	
4,4'-DDE	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 20:46	72-55-9	
4,4'-DDT	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 20:46	50-29-3	
Dieldrin	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/05/18 20:46	60-57-1	
Endosulfan I	**<0.021**	ug/L	0.10	0.021	1	01/26/18 12:10	02/05/18 20:46	959-98-8	
Endosulfan II	**<0.0090**	ug/L	0.010	0.0090	1	01/26/18 12:10	02/05/18 20:46	33213-65-9	
Endosulfan sulfate	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 20:46	1031-07-8	
Endrin	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 20:46	72-20-8	
Endrin aldehyde	**<0.029**	ug/L	0.10	0.029	1	01/26/18 12:10	02/05/18 20:46	7421-93-4	
Endrin ketone	**<0.025**	ug/L	0.10	0.025	1	01/26/18 12:10	02/05/18 20:46	53494-70-5	
Heptachlor	**<0.0050**	ug/L	0.010	0.0050	1	01/26/18 12:10	02/05/18 20:46	76-44-8	
Heptachlor epoxide	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 20:46	1024-57-3	
Methoxychlor	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/05/18 20:46	72-43-5	
Toxaphene	**<0.61**	ug/L	1.5	0.61	1	01/26/18 12:10	02/05/18 20:46	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	81	%.	54-127		1	01/26/18 12:10	02/05/18 20:46	877-09-8	
Decachlorobiphenyl (S)	46	%.	12-162		1	01/26/18 12:10	02/05/18 20:46	2051-24-3	
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510								
Stirophos (Tetrachlorvinphos)	**<0.072**	ug/L	0.10	0.072	1	01/26/18 12:10	02/01/18 19:18	22248-79-9	
Azinphos, methyl (Guthion)	**<0.093**	ug/L	0.10	0.093	1	01/26/18 12:10	02/01/18 19:18	86-50-0	
Bolstar	**<0.090**	ug/L	0.10	0.090	1	01/26/18 12:10	02/01/18 19:18	35400-43-2	
Chlorpyrifos	**<0.067**	ug/L	0.10	0.067	1	01/26/18 12:10	02/01/18 19:18	2921-88-2	
Coumaphos	**<0.092**	ug/L	0.10	0.092	1	01/26/18 12:10	02/01/18 19:18	56-72-4	
Diazinon	**<0.078**	ug/L	0.10	0.078	1	01/26/18 12:10	02/01/18 19:18	333-41-5	
Dichlorvos	**<0.073**	ug/L	0.10	0.073	1	01/26/18 12:10	02/01/18 19:18	62-73-7	
Dimethoate	**<0.083**	ug/L	0.10	0.083	1	01/26/18 12:10	02/01/18 19:18	60-51-5	
Disulfoton	**<0.071**	ug/L	0.10	0.071	1	01/26/18 12:10	02/01/18 19:18	298-04-4	
EPN (ENT)	**<0.087**	ug/L	0.10	0.087	1	01/26/18 12:10	02/01/18 19:18	2104-64-5	
Ethoprop	**<0.059**	ug/L	0.10	0.059	1	01/26/18 12:10	02/01/18 19:18	13194-48-4	
Fensulfothion	**<0.087**	ug/L	0.10	0.087	1	01/26/18 12:10	02/01/18 19:18	115-90-2	
Fenthion	**<0.088**	ug/L	0.10	0.088	1	01/26/18 12:10	02/01/18 19:18	55-38-9	
Malathion	**<0.086**	ug/L	0.10	0.086	1	01/26/18 12:10	02/01/18 19:18	121-75-5	
Methyl parathion	**<0.070**	ug/L	0.10	0.070	1	01/26/18 12:10	02/01/18 19:18	298-00-0	
Mevinphos	**<0.065**	ug/L	0.10	0.065	1	01/26/18 12:10	02/01/18 19:18	7786-34-7	
Parathion (Ethyl parathion)	**<0.060**	ug/L	0.10	0.060	1	01/26/18 12:10	02/01/18 19:18	56-38-2	
Phorate	**<0.064**	ug/L	0.10	0.064	1	01/26/18 12:10	02/01/18 19:18	298-02-2	
Ronnel	**<0.088**	ug/L	0.10	0.088	1	01/26/18 12:10	02/01/18 19:18	299-84-3	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-7 **Lab ID: 60262644016** Collected: 01/23/18 14:00 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510								
Sulfotep (Thiodiphosphoric Ac	**<0.061**	ug/L	0.10	0.061	1	01/26/18 12:10	02/01/18 19:18	3689-24-5	
Tokuthion (Prothiofos)	**<0.081**	ug/L	0.10	0.081	1	01/26/18 12:10	02/01/18 19:18	34643-46-4	
Trichloronate	**<0.087**	ug/L	0.10	0.087	1	01/26/18 12:10	02/01/18 19:18	327-98-0	
Total Demeton	**<0.083**	ug/L	0.10	0.083	1	01/26/18 12:10	02/01/18 19:18	8065-48-3	
Total Merphos	**<0.038**	ug/L	0.10	0.038	1	01/26/18 12:10	02/01/18 19:18	150-50-5	
Surrogates									
Triphenylphosphate (S)	105	%.	10-175		1	01/26/18 12:10	02/01/18 19:18	115-86-6	
Tributylphosphate (S)	113	%.	20-150		1	01/26/18 12:10	02/01/18 19:18	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**0.43J**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 15:04	94-75-7	
Dalapon	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 15:04	75-99-0	
2,4-DB	**<0.34**	ug/L	0.50	0.34	1	01/29/18 21:00	02/01/18 15:04	94-82-6	
Dicamba	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 15:04	1918-00-9	
Dichloroprop	**0.30J**	ug/L	0.50	0.29	1	01/29/18 21:00	02/01/18 15:29	15165-67-0	
Dinoseb	**<0.50**	ug/L	0.50	0.50	1	01/29/18 21:00	02/01/18 15:04	88-85-7	
MCPA	**<20.0**	ug/L	20.0	20.0	1	01/29/18 21:00	02/01/18 15:04	94-74-6	
MCPP	**<20.0**	ug/L	20.0	20.0	1	01/29/18 21:00	02/01/18 15:04	7085-19-0	
2,4,5-T	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 15:04	93-76-5	
2,4,5-TP (Silvex)	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 15:04	93-72-1	
Surrogates									
2,4-DCAA (S)	122	%.	47-166		1	01/29/18 21:00	02/01/18 15:04	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**63.9**	ug/L	10.0	4.2	1	01/30/18 11:15	02/01/18 15:08	7440-38-2	
Barium	**10900**	ug/L	5.0	0.91	1	01/30/18 11:15	02/01/18 15:08	7440-39-3	
Cadmium	**5.0J**	ug/L	5.0	0.64	1	01/30/18 11:15	02/01/18 15:08	7440-43-9	
Chromium	**145**	ug/L	5.0	0.72	1	01/30/18 11:15	02/01/18 15:08	7440-47-3	
Lead	**145**	ug/L	5.0	2.4	1	01/30/18 11:15	02/01/18 15:08	7439-92-1	
Selenium	**5.2J**	ug/L	15.0	3.4	1	01/30/18 11:15	02/01/18 15:08	7782-49-2	
Silver	**<1.9**	ug/L	7.0	1.9	1	01/30/18 11:15	02/01/18 15:08	7440-22-4	
6010 MET ICP, Dissolved (LF)	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic, Dissolved	**<4.2**	ug/L	10.0	4.2	1	01/30/18 10:10	01/31/18 17:25	7440-38-2	
Barium, Dissolved	**71.0**	ug/L	5.0	0.91	1	01/30/18 10:10	01/31/18 17:25	7440-39-3	
Cadmium, Dissolved	**<0.64**	ug/L	5.0	0.64	1	01/30/18 10:10	01/31/18 17:25	7440-43-9	
Chromium, Dissolved	**1.1J**	ug/L	5.0	0.72	1	01/30/18 10:10	01/31/18 17:25	7440-47-3	
Lead, Dissolved	**<2.4**	ug/L	5.0	2.4	1	01/30/18 10:10	01/31/18 17:25	7439-92-1	
Selenium, Dissolved	**6.2J**	ug/L	15.0	3.4	1	01/30/18 10:10	01/31/18 17:25	7782-49-2	
Silver, Dissolved	**<1.9**	ug/L	7.0	1.9	1	01/30/18 10:10	01/31/18 17:25	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.72**	ug/L	0.20	0.046	1	02/08/18 11:51	02/08/18 15:22	7439-97-6	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-7 **Lab ID: 60262644016** Collected: 01/23/18 14:00 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury, Dissolved (LF)	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.046**	ug/L	0.20	0.046	1	02/08/18 15:58	02/09/18 11:08	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**<0.34**	ug/L	9.4	0.34	1	01/25/18 00:00	01/26/18 18:55	83-32-9	1e
Acenaphthylene	**<0.36**	ug/L	9.4	0.36	1	01/25/18 00:00	01/26/18 18:55	208-96-8	1e
Anthracene	**<0.28**	ug/L	9.4	0.28	1	01/25/18 00:00	01/26/18 18:55	120-12-7	1e
Benzo(a)anthracene	**<0.27**	ug/L	9.4	0.27	1	01/25/18 00:00	01/26/18 18:55	56-55-3	1e
Benzo(a)pyrene	**<0.34**	ug/L	9.4	0.34	1	01/25/18 00:00	01/26/18 18:55	50-32-8	1e
Benzo(b)fluoranthene	**<0.33**	ug/L	9.4	0.33	1	01/25/18 00:00	01/26/18 18:55	205-99-2	1e
Benzo(g,h,i)perylene	**<0.38**	ug/L	9.4	0.38	1	01/25/18 00:00	01/26/18 18:55	191-24-2	1e
Benzo(k)fluoranthene	**<0.40**	ug/L	9.4	0.40	1	01/25/18 00:00	01/26/18 18:55	207-08-9	1e
Benzoic acid	**10.2J**	ug/L	47.2	2.4	1	01/25/18 00:00	01/26/18 18:55	65-85-0	1e
Benzyl alcohol	**<0.33**	ug/L	18.9	0.33	1	01/25/18 00:00	01/26/18 18:55	100-51-6	1e
4-Bromophenylphenyl ether	**<0.36**	ug/L	9.4	0.36	1	01/25/18 00:00	01/26/18 18:55	101-55-3	1e
Butylbenzylphthalate	**<0.38**	ug/L	9.4	0.38	1	01/25/18 00:00	01/26/18 18:55	85-68-7	1e
Carbazole	**<0.33**	ug/L	9.4	0.33	1	01/25/18 00:00	01/26/18 18:55	86-74-8	1e
4-Chloro-3-methylphenol	**<0.24**	ug/L	18.9	0.24	1	01/25/18 00:00	01/26/18 18:55	59-50-7	1e
4-Chloroaniline	**<0.49**	ug/L	18.9	0.49	1	01/25/18 00:00	01/26/18 18:55	106-47-8	1e
bis(2-Chloroethoxy)methane	**<4.7**	ug/L	9.4	4.7	1	01/25/18 00:00	01/26/18 18:55	111-91-1	1e
bis(2-Chloroethyl) ether	**<0.27**	ug/L	9.4	0.27	1	01/25/18 00:00	01/26/18 18:55	111-44-4	1e
bis(2-Chloroisopropyl) ether	**<0.27**	ug/L	9.4	0.27	1	01/25/18 00:00	01/26/18 18:55	39638-32-9	1e
2-Chloronaphthalene	**<0.33**	ug/L	9.4	0.33	1	01/25/18 00:00	01/26/18 18:55	91-58-7	1e
2-Chlorophenol	**<0.28**	ug/L	9.4	0.28	1	01/25/18 00:00	01/26/18 18:55	95-57-8	1e
4-Chlorophenylphenyl ether	**<0.28**	ug/L	9.4	0.28	1	01/25/18 00:00	01/26/18 18:55	7005-72-3	1e
Chrysene	**<0.34**	ug/L	9.4	0.34	1	01/25/18 00:00	01/26/18 18:55	218-01-9	1e
Dibenz(a,h)anthracene	**<0.42**	ug/L	9.4	0.42	1	01/25/18 00:00	01/26/18 18:55	53-70-3	1e
Dibenzofuran	**<0.37**	ug/L	9.4	0.37	1	01/25/18 00:00	01/26/18 18:55	132-64-9	1e
1,2-Dichlorobenzene	**<0.27**	ug/L	9.4	0.27	1	01/25/18 00:00	01/26/18 18:55	95-50-1	1e
1,3-Dichlorobenzene	**<0.51**	ug/L	9.4	0.51	1	01/25/18 00:00	01/26/18 18:55	541-73-1	1e
1,4-Dichlorobenzene	**<0.39**	ug/L	9.4	0.39	1	01/25/18 00:00	01/26/18 18:55	106-46-7	1e
3,3'-Dichlorobenzidine	**<0.37**	ug/L	18.9	0.37	1	01/25/18 00:00	01/26/18 18:55	91-94-1	1e
2,4-Dichlorophenol	**<0.49**	ug/L	9.4	0.49	1	01/25/18 00:00	01/26/18 18:55	120-83-2	1e
Diethylphthalate	**<0.42**	ug/L	9.4	0.42	1	01/25/18 00:00	01/26/18 18:55	84-66-2	1e
2,4-Dimethylphenol	**<0.57**	ug/L	9.4	0.57	1	01/25/18 00:00	01/26/18 18:55	105-67-9	1e
Dimethylphthalate	**<0.33**	ug/L	9.4	0.33	1	01/25/18 00:00	01/26/18 18:55	131-11-3	1e
Di-n-butylphthalate	**<0.37**	ug/L	9.4	0.37	1	01/25/18 00:00	01/26/18 18:55	84-74-2	1e
4,6-Dinitro-2-methylphenol	**<0.52**	ug/L	47.2	0.52	1	01/25/18 00:00	01/26/18 18:55	534-52-1	1e
2,4-Dinitrophenol	**<7.9**	ug/L	47.2	7.9	1	01/25/18 00:00	01/26/18 18:55	51-28-5	1e
2,4-Dinitrotoluene	**<0.31**	ug/L	9.4	0.31	1	01/25/18 00:00	01/26/18 18:55	121-14-2	1e
2,6-Dinitrotoluene	**<0.26**	ug/L	9.4	0.26	1	01/25/18 00:00	01/26/18 18:55	606-20-2	1e
Di-n-octylphthalate	**<0.47**	ug/L	9.4	0.47	1	01/25/18 00:00	01/26/18 18:55	117-84-0	1e
bis(2-Ethylhexyl)phthalate	**<0.58**	ug/L	9.4	0.58	1	01/25/18 00:00	01/26/18 18:55	117-81-7	1e
Fluoranthene	**<0.35**	ug/L	9.4	0.35	1	01/25/18 00:00	01/26/18 18:55	206-44-0	1e
Fluorene	**<0.32**	ug/L	9.4	0.32	1	01/25/18 00:00	01/26/18 18:55	86-73-7	1e
Hexachloro-1,3-butadiene	**<0.36**	ug/L	9.4	0.36	1	01/25/18 00:00	01/26/18 18:55	87-68-3	1e
Hexachlorobenzene	**<0.28**	ug/L	9.4	0.28	1	01/25/18 00:00	01/26/18 18:55	118-74-1	1e

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-7 **Lab ID: 60262644016** Collected: 01/23/18 14:00 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Hexachlorocyclopentadiene	**<0.33**	ug/L	9.4	0.33	1	01/25/18 00:00	01/26/18 18:55	77-47-4	1e
Hexachloroethane	**<0.27**	ug/L	9.4	0.27	1	01/25/18 00:00	01/26/18 18:55	67-72-1	1e
Indeno(1,2,3-cd)pyrene	**<0.30**	ug/L	9.4	0.30	1	01/25/18 00:00	01/26/18 18:55	193-39-5	1e
Isophorone	**<0.26**	ug/L	9.4	0.26	1	01/25/18 00:00	01/26/18 18:55	78-59-1	1e
2-Methylnaphthalene	**<0.25**	ug/L	9.4	0.25	1	01/25/18 00:00	01/26/18 18:55	91-57-6	1e
2-Methylphenol(o-Cresol)	**<0.26**	ug/L	9.4	0.26	1	01/25/18 00:00	01/26/18 18:55	95-48-7	1e
3&4-Methylphenol(m&p Cresol)	**<4.7**	ug/L	9.4	4.7	1	01/25/18 00:00	01/26/18 18:55		1e
Naphthalene	**<0.34**	ug/L	9.4	0.34	1	01/25/18 00:00	01/26/18 18:55	91-20-3	1e
2-Nitroaniline	**<0.40**	ug/L	47.2	0.40	1	01/25/18 00:00	01/26/18 18:55	88-74-4	1e
3-Nitroaniline	**<0.33**	ug/L	47.2	0.33	1	01/25/18 00:00	01/26/18 18:55	99-09-2	1e
4-Nitroaniline	**<0.33**	ug/L	47.2	0.33	1	01/25/18 00:00	01/26/18 18:55	100-01-6	1e
Nitrobenzene	**<0.28**	ug/L	9.4	0.28	1	01/25/18 00:00	01/26/18 18:55	98-95-3	1e
2-Nitrophenol	**<0.26**	ug/L	9.4	0.26	1	01/25/18 00:00	01/26/18 18:55	88-75-5	1e
4-Nitrophenol	**<0.29**	ug/L	47.2	0.29	1	01/25/18 00:00	01/26/18 18:55	100-02-7	1e
N-Nitroso-di-n-propylamine	**<0.25**	ug/L	9.4	0.25	1	01/25/18 00:00	01/26/18 18:55	621-64-7	1e
N-Nitrosodiphenylamine	**<0.38**	ug/L	9.4	0.38	1	01/25/18 00:00	01/26/18 18:55	86-30-6	1e
Pentachlorophenol	**<0.29**	ug/L	47.2	0.29	1	01/25/18 00:00	01/26/18 18:55	87-86-5	1e
Phenanthrene	**<0.32**	ug/L	9.4	0.32	1	01/25/18 00:00	01/26/18 18:55	85-01-8	1e
Phenol	**<4.7**	ug/L	9.4	4.7	1	01/25/18 00:00	01/26/18 18:55	108-95-2	1e
Pyrene	**<0.26**	ug/L	9.4	0.26	1	01/25/18 00:00	01/26/18 18:55	129-00-0	1e
Pyridine	**<0.29**	ug/L	9.4	0.29	1	01/25/18 00:00	01/26/18 18:55	110-86-1	1e
1,2,4-Trichlorobenzene	**<0.31**	ug/L	9.4	0.31	1	01/25/18 00:00	01/26/18 18:55	120-82-1	1e
2,4,5-Trichlorophenol	**<0.31**	ug/L	47.2	0.31	1	01/25/18 00:00	01/26/18 18:55	95-95-4	1e
2,4,6-Trichlorophenol	**<0.37**	ug/L	9.4	0.37	1	01/25/18 00:00	01/26/18 18:55	88-06-2	1e
Surrogates									
Nitrobenzene-d5 (S)	34	%	33-99		1	01/25/18 00:00	01/26/18 18:55	4165-60-0	
2-Fluorobiphenyl (S)	37	%	30-103		1	01/25/18 00:00	01/26/18 18:55	321-60-8	
Terphenyl-d14 (S)	38	%	38-114		1	01/25/18 00:00	01/26/18 18:55	1718-51-0	
Phenol-d6 (S)	26	%	10-56		1	01/25/18 00:00	01/26/18 18:55	13127-88-3	
2-Fluorophenol (S)	30	%	10-68		1	01/25/18 00:00	01/26/18 18:55	367-12-4	
2,4,6-Tribromophenol (S)	44	%	21-124		1	01/25/18 00:00	01/26/18 18:55	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C								
TPH-ORO	**1.0**	mg/L	0.96	0.96	1	01/25/18 15:00	01/30/18 19:01		1e,B
TPH-DRO	**<0.96**	mg/L	0.96	0.96	1	01/25/18 15:00	01/30/18 19:01		1e
Surrogates									
Nitrobenzene-d5 (S)	75	%	33-99		1	01/25/18 15:00	01/30/18 19:01	4165-60-0	
2-Fluorobiphenyl (S)	78	%	30-103		1	01/25/18 15:00	01/30/18 19:01	321-60-8	
Terphenyl-d14 (S)	82	%	38-114		1	01/25/18 15:00	01/30/18 19:01	1718-51-0	
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**<1.9**	ug/L	10.0	1.9	1		01/25/18 14:37	67-64-1	
Benzene	**<0.060**	ug/L	1.0	0.060	1		01/25/18 14:37	71-43-2	
Bromobenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:37	108-86-1	
Bromochloromethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 14:37	74-97-5	
Bromodichloromethane	**<0.19**	ug/L	1.0	0.19	1		01/25/18 14:37	75-27-4	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-7 **Lab ID: 60262644016** Collected: 01/23/18 14:00 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Bromoform	**<0.070**	ug/L	1.0	0.070	1		01/25/18 14:37	75-25-2	
Bromomethane	**<0.16**	ug/L	5.0	0.16	1		01/25/18 14:37	74-83-9	
2-Butanone (MEK)	**<0.59**	ug/L	10.0	0.59	1		01/25/18 14:37	78-93-3	
n-Butylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:37	104-51-8	
sec-Butylbenzene	**<0.050**	ug/L	1.0	0.050	1		01/25/18 14:37	135-98-8	
tert-Butylbenzene	**<0.34**	ug/L	1.0	0.34	1		01/25/18 14:37	98-06-6	
Carbon disulfide	**<0.12**	ug/L	5.0	0.12	1		01/25/18 14:37	75-15-0	
Carbon tetrachloride	**<0.18**	ug/L	1.0	0.18	1		01/25/18 14:37	56-23-5	
Chlorobenzene	**<0.21**	ug/L	1.0	0.21	1		01/25/18 14:37	108-90-7	
Chloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 14:37	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		01/25/18 14:37	67-66-3	
Chloromethane	**<0.080**	ug/L	1.0	0.080	1		01/25/18 14:37	74-87-3	
2-Chlorotoluene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 14:37	95-49-8	
4-Chlorotoluene	**<0.14**	ug/L	1.0	0.14	1		01/25/18 14:37	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.59**	ug/L	2.5	0.59	1		01/25/18 14:37	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		01/25/18 14:37	124-48-1	
1,2-Dibromoethane (EDB)	**<0.17**	ug/L	1.0	0.17	1		01/25/18 14:37	106-93-4	
Dibromomethane	**<0.18**	ug/L	1.0	0.18	1		01/25/18 14:37	74-95-3	
1,2-Dichlorobenzene	**<0.050**	ug/L	1.0	0.050	1		01/25/18 14:37	95-50-1	
1,3-Dichlorobenzene	**<0.070**	ug/L	1.0	0.070	1		01/25/18 14:37	541-73-1	
1,4-Dichlorobenzene	**<0.060**	ug/L	1.0	0.060	1		01/25/18 14:37	106-46-7	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	0.21	1		01/25/18 14:37	75-71-8	
1,1-Dichloroethane	**<0.050**	ug/L	1.0	0.050	1		01/25/18 14:37	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		01/25/18 14:37	107-06-2	
1,2-Dichloroethene (Total)	**<0.28**	ug/L	1.0	0.28	1		01/25/18 14:37	540-59-0	
1,1-Dichloroethene	**<0.20**	ug/L	1.0	0.20	1		01/25/18 14:37	75-35-4	
cis-1,2-Dichloroethene	**<0.080**	ug/L	1.0	0.080	1		01/25/18 14:37	156-59-2	
trans-1,2-Dichloroethene	**<0.20**	ug/L	1.0	0.20	1		01/25/18 14:37	156-60-5	
1,2-Dichloropropane	**<0.16**	ug/L	1.0	0.16	1		01/25/18 14:37	78-87-5	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		01/25/18 14:37	142-28-9	
2,2-Dichloropropane	**<0.19**	ug/L	1.0	0.19	1		01/25/18 14:37	594-20-7	
1,1-Dichloropropene	**<0.090**	ug/L	1.0	0.090	1		01/25/18 14:37	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	1.0	0.14	1		01/25/18 14:37	10061-01-5	
trans-1,3-Dichloropropene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 14:37	10061-02-6	
Ethylbenzene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 14:37	100-41-4	
Hexachloro-1,3-butadiene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 14:37	87-68-3	
2-Hexanone	**<1.2**	ug/L	10.0	1.2	1		01/25/18 14:37	591-78-6	
Isopropylbenzene (Cumene)	**<0.070**	ug/L	1.0	0.070	1		01/25/18 14:37	98-82-8	
p-Isopropyltoluene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:37	99-87-6	
Methylene chloride	**<0.15**	ug/L	1.0	0.15	1		01/25/18 14:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	10.0	0.42	1		01/25/18 14:37	108-10-1	
Methyl-tert-butyl ether	**<0.060**	ug/L	1.0	0.060	1		01/25/18 14:37	1634-04-4	
Naphthalene	**<0.50**	ug/L	10.0	0.50	1		01/25/18 14:37	91-20-3	
n-Propylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:37	103-65-1	
Styrene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 14:37	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 14:37	630-20-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-7 **Lab ID: 60262644016** Collected: 01/23/18 14:00 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 14:37	79-34-5	
Tetrachloroethene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:37	127-18-4	
Toluene	**<0.17**	ug/L	1.0	0.17	1		01/25/18 14:37	108-88-3	
1,2,3-Trichlorobenzene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 14:37	87-61-6	
1,2,4-Trichlorobenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:37	120-82-1	
1,1,1-Trichloroethane	**<0.11**	ug/L	1.0	0.11	1		01/25/18 14:37	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/25/18 14:37	79-00-5	
Trichloroethene	**<0.17**	ug/L	1.0	0.17	1		01/25/18 14:37	79-01-6	
Trichlorofluoromethane	**<0.34**	ug/L	1.0	0.34	1		01/25/18 14:37	75-69-4	
1,2,3-Trichloropropane	**<0.19**	ug/L	2.5	0.19	1		01/25/18 14:37	96-18-4	
1,2,4-Trimethylbenzene	**<0.090**	ug/L	1.0	0.090	1		01/25/18 14:37	95-63-6	
1,3,5-Trimethylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:37	108-67-8	
Vinyl chloride	**<0.13**	ug/L	1.0	0.13	1		01/25/18 14:37	75-01-4	
Xylene (Total)	**<0.42**	ug/L	3.0	0.42	1		01/25/18 14:37	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	80-119		1		01/25/18 14:37	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	80-117		1		01/25/18 14:37	17060-07-0	
Toluene-d8 (S)	98	%	80-115		1		01/25/18 14:37	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		01/25/18 14:37		
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260								
TPH-GRO	**<63.5**	ug/L	500	63.5	1		01/25/18 23:31		
Surrogates									
Toluene-d8 (S)	104	%	80-115		1		01/25/18 23:31	2037-26-5	
4-Bromofluorobenzene (S)	105	%	80-119		1		01/25/18 23:31	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	87-117		1		01/25/18 23:31	17060-07-0	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
pH at 25 Degrees C	**7.0**	Std. Units	0.10	0.10	1		01/31/18 11:26		H6
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**4.3**	mg/L	0.20	0.10	2		01/25/18 13:32		
9056 IC Anions	Analytical Method: EPA 9056								
Sulfate	**107**	mg/L	10.0	5.0	10		02/06/18 12:09	14808-79-8	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-8 **Lab ID: 60262644017** Collected: 01/23/18 15:30 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 21:19	309-00-2	
alpha-BHC	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/05/18 21:19	319-84-6	
beta-BHC	**<0.010**	ug/L	0.010	0.010	1	01/26/18 12:10	02/05/18 21:19	319-85-7	
delta-BHC	**<0.0090**	ug/L	0.010	0.0090	1	01/26/18 12:10	02/05/18 21:19	319-86-8	
gamma-BHC (Lindane)	**<0.0080**	ug/L	0.010	0.0080	1	01/26/18 12:10	02/05/18 21:19	58-89-9	
Chlordane (Technical)	**<0.090**	ug/L	0.10	0.090	1	01/26/18 12:10	02/05/18 21:19	57-74-9	
alpha-Chlordane	**<0.024**	ug/L	0.10	0.024	1	01/26/18 12:10	02/05/18 21:19	5103-71-9	
gamma-Chlordane	**<0.034**	ug/L	0.10	0.034	1	01/26/18 12:10	02/05/18 21:19	5103-74-2	
4,4'-DDD	**<0.0050**	ug/L	0.010	0.0050	1	01/26/18 12:10	02/05/18 21:19	72-54-8	
4,4'-DDE	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 21:19	72-55-9	
4,4'-DDT	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 21:19	50-29-3	
Dieldrin	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/05/18 21:19	60-57-1	
Endosulfan I	**<0.021**	ug/L	0.10	0.021	1	01/26/18 12:10	02/05/18 21:19	959-98-8	
Endosulfan II	**<0.0090**	ug/L	0.010	0.0090	1	01/26/18 12:10	02/05/18 21:19	33213-65-9	
Endosulfan sulfate	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 21:19	1031-07-8	
Endrin	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 21:19	72-20-8	
Endrin aldehyde	**<0.029**	ug/L	0.10	0.029	1	01/26/18 12:10	02/05/18 21:19	7421-93-4	
Endrin ketone	**<0.025**	ug/L	0.10	0.025	1	01/26/18 12:10	02/05/18 21:19	53494-70-5	
Heptachlor	**<0.0050**	ug/L	0.010	0.0050	1	01/26/18 12:10	02/05/18 21:19	76-44-8	
Heptachlor epoxide	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/05/18 21:19	1024-57-3	
Methoxychlor	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/05/18 21:19	72-43-5	
Toxaphene	**<0.61**	ug/L	1.5	0.61	1	01/26/18 12:10	02/05/18 21:19	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	86	%.	54-127		1	01/26/18 12:10	02/05/18 21:19	877-09-8	
Decachlorobiphenyl (S)	56	%.	12-162		1	01/26/18 12:10	02/05/18 21:19	2051-24-3	
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510								
Stirophos (Tetrachlorvinphos)	**<0.072**	ug/L	0.10	0.072	1	01/26/18 12:10	02/01/18 19:45	22248-79-9	
Azinphos, methyl (Guthion)	**<0.093**	ug/L	0.10	0.093	1	01/26/18 12:10	02/01/18 19:45	86-50-0	
Bolstar	**<0.090**	ug/L	0.10	0.090	1	01/26/18 12:10	02/01/18 19:45	35400-43-2	
Chlorpyrifos	**<0.067**	ug/L	0.10	0.067	1	01/26/18 12:10	02/01/18 19:45	2921-88-2	
Coumaphos	**<0.092**	ug/L	0.10	0.092	1	01/26/18 12:10	02/01/18 19:45	56-72-4	
Diazinon	**<0.078**	ug/L	0.10	0.078	1	01/26/18 12:10	02/01/18 19:45	333-41-5	
Dichlorvos	**<0.073**	ug/L	0.10	0.073	1	01/26/18 12:10	02/01/18 19:45	62-73-7	
Dimethoate	**<0.083**	ug/L	0.10	0.083	1	01/26/18 12:10	02/01/18 19:45	60-51-5	
Disulfoton	**<0.071**	ug/L	0.10	0.071	1	01/26/18 12:10	02/01/18 19:45	298-04-4	
EPN (ENT)	**<0.087**	ug/L	0.10	0.087	1	01/26/18 12:10	02/01/18 19:45	2104-64-5	
Ethoprop	**<0.059**	ug/L	0.10	0.059	1	01/26/18 12:10	02/01/18 19:45	13194-48-4	
Fensulfothion	**<0.087**	ug/L	0.10	0.087	1	01/26/18 12:10	02/01/18 19:45	115-90-2	
Fenthion	**<0.088**	ug/L	0.10	0.088	1	01/26/18 12:10	02/01/18 19:45	55-38-9	
Malathion	**<0.086**	ug/L	0.10	0.086	1	01/26/18 12:10	02/01/18 19:45	121-75-5	
Methyl parathion	**<0.070**	ug/L	0.10	0.070	1	01/26/18 12:10	02/01/18 19:45	298-00-0	
Mevinphos	**<0.065**	ug/L	0.10	0.065	1	01/26/18 12:10	02/01/18 19:45	7786-34-7	
Parathion (Ethyl parathion)	**<0.060**	ug/L	0.10	0.060	1	01/26/18 12:10	02/01/18 19:45	56-38-2	
Phorate	**<0.064**	ug/L	0.10	0.064	1	01/26/18 12:10	02/01/18 19:45	298-02-2	
Ronnel	**<0.088**	ug/L	0.10	0.088	1	01/26/18 12:10	02/01/18 19:45	299-84-3	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-8 **Lab ID: 60262644017** Collected: 01/23/18 15:30 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510								
Sulfotep (Thiodiphosphoric Ac	**<0.061**	ug/L	0.10	0.061	1	01/26/18 12:10	02/01/18 19:45	3689-24-5	
Tokuthion (Prothiofos)	**<0.081**	ug/L	0.10	0.081	1	01/26/18 12:10	02/01/18 19:45	34643-46-4	
Trichloronate	**<0.087**	ug/L	0.10	0.087	1	01/26/18 12:10	02/01/18 19:45	327-98-0	
Total Demeton	**<0.083**	ug/L	0.10	0.083	1	01/26/18 12:10	02/01/18 19:45	8065-48-3	
Total Merphos	**<0.038**	ug/L	0.10	0.038	1	01/26/18 12:10	02/01/18 19:45	150-50-5	
Surrogates									
Triphenylphosphate (S)	74	%.	10-175		1	01/26/18 12:10	02/01/18 19:45	115-86-6	
Tributylphosphate (S)	116	%.	20-150		1	01/26/18 12:10	02/01/18 19:45	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**0.59**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 15:29	94-75-7	
Dalapon	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 15:29	75-99-0	
2,4-DB	**<0.34**	ug/L	0.50	0.34	1	01/29/18 21:00	02/01/18 15:29	94-82-6	
Dicamba	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 15:29	1918-00-9	
Dichloroprop	**0.40J**	ug/L	0.50	0.29	1	01/29/18 21:00	02/01/18 15:54	15165-67-0	
Dinoseb	**<0.50**	ug/L	0.50	0.50	1	01/29/18 21:00	02/01/18 15:29	88-85-7	
MCPA	**<20.0**	ug/L	20.0	20.0	1	01/29/18 21:00	02/01/18 15:29	94-74-6	
MCPP	**<20.0**	ug/L	20.0	20.0	1	01/29/18 21:00	02/01/18 15:29	7085-19-0	
2,4,5-T	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 15:29	93-76-5	
2,4,5-TP (Silvex)	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 15:29	93-72-1	
Surrogates									
2,4-DCAA (S)	108	%.	47-166		1	01/29/18 21:00	02/01/18 15:29	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**30.4**	ug/L	10.0	4.2	1	01/30/18 11:15	02/01/18 15:10	7440-38-2	
Barium	**1760**	ug/L	5.0	0.91	1	01/30/18 11:15	02/01/18 15:10	7440-39-3	
Cadmium	**1.8J**	ug/L	5.0	0.64	1	01/30/18 11:15	02/01/18 15:10	7440-43-9	
Chromium	**108**	ug/L	5.0	0.72	1	01/30/18 11:15	02/01/18 15:10	7440-47-3	
Lead	**57.4**	ug/L	5.0	2.4	1	01/30/18 11:15	02/01/18 15:10	7439-92-1	
Selenium	**<3.4**	ug/L	15.0	3.4	1	01/30/18 11:15	02/01/18 15:10	7782-49-2	
Silver	**<1.9**	ug/L	7.0	1.9	1	01/30/18 11:15	02/01/18 15:10	7440-22-4	
6010 MET ICP, Dissolved (LF)	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic, Dissolved	**<4.2**	ug/L	10.0	4.2	1	01/30/18 10:10	01/31/18 17:27	7440-38-2	
Barium, Dissolved	**130**	ug/L	5.0	0.91	1	01/30/18 10:10	01/31/18 17:27	7440-39-3	
Cadmium, Dissolved	**<0.64**	ug/L	5.0	0.64	1	01/30/18 10:10	01/31/18 17:27	7440-43-9	
Chromium, Dissolved	**1.5J**	ug/L	5.0	0.72	1	01/30/18 10:10	01/31/18 17:27	7440-47-3	
Lead, Dissolved	**<2.4**	ug/L	5.0	2.4	1	01/30/18 10:10	01/31/18 17:27	7439-92-1	
Selenium, Dissolved	**<3.4**	ug/L	15.0	3.4	1	01/30/18 10:10	01/31/18 17:27	7782-49-2	
Silver, Dissolved	**<1.9**	ug/L	7.0	1.9	1	01/30/18 10:10	01/31/18 17:27	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.11J**	ug/L	0.20	0.046	1	02/08/18 11:51	02/08/18 15:24	7439-97-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-8 **Lab ID: 60262644017** Collected: 01/23/18 15:30 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury, Dissolved (LF)	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.046**	ug/L	0.20	0.046	1	02/08/18 15:58	02/09/18 11:10	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**<0.34**	ug/L	9.4	0.34	1	01/25/18 00:00	01/26/18 19:17	83-32-9	1e
Acenaphthylene	**<0.36**	ug/L	9.4	0.36	1	01/25/18 00:00	01/26/18 19:17	208-96-8	1e
Anthracene	**<0.28**	ug/L	9.4	0.28	1	01/25/18 00:00	01/26/18 19:17	120-12-7	1e
Benzo(a)anthracene	**<0.27**	ug/L	9.4	0.27	1	01/25/18 00:00	01/26/18 19:17	56-55-3	1e
Benzo(a)pyrene	**<0.34**	ug/L	9.4	0.34	1	01/25/18 00:00	01/26/18 19:17	50-32-8	1e
Benzo(b)fluoranthene	**<0.33**	ug/L	9.4	0.33	1	01/25/18 00:00	01/26/18 19:17	205-99-2	1e
Benzo(g,h,i)perylene	**<0.38**	ug/L	9.4	0.38	1	01/25/18 00:00	01/26/18 19:17	191-24-2	1e
Benzo(k)fluoranthene	**<0.40**	ug/L	9.4	0.40	1	01/25/18 00:00	01/26/18 19:17	207-08-9	1e
Benzoic acid	**9.4J**	ug/L	47.2	2.4	1	01/25/18 00:00	01/26/18 19:17	65-85-0	1e
Benzyl alcohol	**<0.33**	ug/L	18.9	0.33	1	01/25/18 00:00	01/26/18 19:17	100-51-6	1e
4-Bromophenylphenyl ether	**<0.36**	ug/L	9.4	0.36	1	01/25/18 00:00	01/26/18 19:17	101-55-3	1e
Butylbenzylphthalate	**<0.38**	ug/L	9.4	0.38	1	01/25/18 00:00	01/26/18 19:17	85-68-7	1e
Carbazole	**<0.33**	ug/L	9.4	0.33	1	01/25/18 00:00	01/26/18 19:17	86-74-8	1e
4-Chloro-3-methylphenol	**<0.24**	ug/L	18.9	0.24	1	01/25/18 00:00	01/26/18 19:17	59-50-7	1e
4-Chloroaniline	**<0.49**	ug/L	18.9	0.49	1	01/25/18 00:00	01/26/18 19:17	106-47-8	1e
bis(2-Chloroethoxy)methane	**<4.7**	ug/L	9.4	4.7	1	01/25/18 00:00	01/26/18 19:17	111-91-1	1e
bis(2-Chloroethyl) ether	**<0.27**	ug/L	9.4	0.27	1	01/25/18 00:00	01/26/18 19:17	111-44-4	1e
bis(2-Chloroisopropyl) ether	**<0.27**	ug/L	9.4	0.27	1	01/25/18 00:00	01/26/18 19:17	39638-32-9	1e
2-Chloronaphthalene	**<0.33**	ug/L	9.4	0.33	1	01/25/18 00:00	01/26/18 19:17	91-58-7	1e
2-Chlorophenol	**<0.28**	ug/L	9.4	0.28	1	01/25/18 00:00	01/26/18 19:17	95-57-8	1e
4-Chlorophenylphenyl ether	**<0.28**	ug/L	9.4	0.28	1	01/25/18 00:00	01/26/18 19:17	7005-72-3	1e
Chrysene	**<0.34**	ug/L	9.4	0.34	1	01/25/18 00:00	01/26/18 19:17	218-01-9	1e
Dibenz(a,h)anthracene	**<0.42**	ug/L	9.4	0.42	1	01/25/18 00:00	01/26/18 19:17	53-70-3	1e
Dibenzofuran	**<0.37**	ug/L	9.4	0.37	1	01/25/18 00:00	01/26/18 19:17	132-64-9	1e
1,2-Dichlorobenzene	**<0.27**	ug/L	9.4	0.27	1	01/25/18 00:00	01/26/18 19:17	95-50-1	1e
1,3-Dichlorobenzene	**<0.51**	ug/L	9.4	0.51	1	01/25/18 00:00	01/26/18 19:17	541-73-1	1e
1,4-Dichlorobenzene	**<0.39**	ug/L	9.4	0.39	1	01/25/18 00:00	01/26/18 19:17	106-46-7	1e
3,3'-Dichlorobenzidine	**<0.37**	ug/L	18.9	0.37	1	01/25/18 00:00	01/26/18 19:17	91-94-1	1e
2,4-Dichlorophenol	**<0.49**	ug/L	9.4	0.49	1	01/25/18 00:00	01/26/18 19:17	120-83-2	1e
Diethylphthalate	**<0.42**	ug/L	9.4	0.42	1	01/25/18 00:00	01/26/18 19:17	84-66-2	1e
2,4-Dimethylphenol	**<0.57**	ug/L	9.4	0.57	1	01/25/18 00:00	01/26/18 19:17	105-67-9	1e
Dimethylphthalate	**<0.33**	ug/L	9.4	0.33	1	01/25/18 00:00	01/26/18 19:17	131-11-3	1e
Di-n-butylphthalate	**<0.37**	ug/L	9.4	0.37	1	01/25/18 00:00	01/26/18 19:17	84-74-2	1e
4,6-Dinitro-2-methylphenol	**<0.52**	ug/L	47.2	0.52	1	01/25/18 00:00	01/26/18 19:17	534-52-1	1e
2,4-Dinitrophenol	**<7.9**	ug/L	47.2	7.9	1	01/25/18 00:00	01/26/18 19:17	51-28-5	1e
2,4-Dinitrotoluene	**<0.31**	ug/L	9.4	0.31	1	01/25/18 00:00	01/26/18 19:17	121-14-2	1e
2,6-Dinitrotoluene	**<0.26**	ug/L	9.4	0.26	1	01/25/18 00:00	01/26/18 19:17	606-20-2	1e
Di-n-octylphthalate	**<0.47**	ug/L	9.4	0.47	1	01/25/18 00:00	01/26/18 19:17	117-84-0	1e
bis(2-Ethylhexyl)phthalate	**<0.58**	ug/L	9.4	0.58	1	01/25/18 00:00	01/26/18 19:17	117-81-7	1e
Fluoranthene	**0.74J**	ug/L	9.4	0.35	1	01/25/18 00:00	01/26/18 19:17	206-44-0	1e
Fluorene	**<0.32**	ug/L	9.4	0.32	1	01/25/18 00:00	01/26/18 19:17	86-73-7	1e
Hexachloro-1,3-butadiene	**<0.36**	ug/L	9.4	0.36	1	01/25/18 00:00	01/26/18 19:17	87-68-3	1e
Hexachlorobenzene	**<0.28**	ug/L	9.4	0.28	1	01/25/18 00:00	01/26/18 19:17	118-74-1	1e

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-8 **Lab ID: 60262644017** Collected: 01/23/18 15:30 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Hexachlorocyclopentadiene	**<0.33**	ug/L	9.4	0.33	1	01/25/18 00:00	01/26/18 19:17	77-47-4	1e
Hexachloroethane	**<0.27**	ug/L	9.4	0.27	1	01/25/18 00:00	01/26/18 19:17	67-72-1	1e
Indeno(1,2,3-cd)pyrene	**<0.30**	ug/L	9.4	0.30	1	01/25/18 00:00	01/26/18 19:17	193-39-5	1e
Isophorone	**<0.26**	ug/L	9.4	0.26	1	01/25/18 00:00	01/26/18 19:17	78-59-1	1e
2-Methylnaphthalene	**<0.25**	ug/L	9.4	0.25	1	01/25/18 00:00	01/26/18 19:17	91-57-6	1e
2-Methylphenol(o-Cresol)	**<0.26**	ug/L	9.4	0.26	1	01/25/18 00:00	01/26/18 19:17	95-48-7	1e
3&4-Methylphenol(m&p Cresol)	**<4.7**	ug/L	9.4	4.7	1	01/25/18 00:00	01/26/18 19:17		1e
Naphthalene	**<0.34**	ug/L	9.4	0.34	1	01/25/18 00:00	01/26/18 19:17	91-20-3	1e
2-Nitroaniline	**<0.40**	ug/L	47.2	0.40	1	01/25/18 00:00	01/26/18 19:17	88-74-4	1e
3-Nitroaniline	**<0.33**	ug/L	47.2	0.33	1	01/25/18 00:00	01/26/18 19:17	99-09-2	1e
4-Nitroaniline	**<0.33**	ug/L	47.2	0.33	1	01/25/18 00:00	01/26/18 19:17	100-01-6	1e
Nitrobenzene	**<0.28**	ug/L	9.4	0.28	1	01/25/18 00:00	01/26/18 19:17	98-95-3	1e
2-Nitrophenol	**<0.26**	ug/L	9.4	0.26	1	01/25/18 00:00	01/26/18 19:17	88-75-5	1e
4-Nitrophenol	**<0.29**	ug/L	47.2	0.29	1	01/25/18 00:00	01/26/18 19:17	100-02-7	1e
N-Nitroso-di-n-propylamine	**<0.25**	ug/L	9.4	0.25	1	01/25/18 00:00	01/26/18 19:17	621-64-7	1e
N-Nitrosodiphenylamine	**<0.38**	ug/L	9.4	0.38	1	01/25/18 00:00	01/26/18 19:17	86-30-6	1e
Pentachlorophenol	**<0.29**	ug/L	47.2	0.29	1	01/25/18 00:00	01/26/18 19:17	87-86-5	1e
Phenanthrene	**1.3J**	ug/L	9.4	0.32	1	01/25/18 00:00	01/26/18 19:17	85-01-8	1e
Phenol	**<4.7**	ug/L	9.4	4.7	1	01/25/18 00:00	01/26/18 19:17	108-95-2	1e
Pyrene	**<0.26**	ug/L	9.4	0.26	1	01/25/18 00:00	01/26/18 19:17	129-00-0	1e
Pyridine	**<0.29**	ug/L	9.4	0.29	1	01/25/18 00:00	01/26/18 19:17	110-86-1	1e
1,2,4-Trichlorobenzene	**<0.31**	ug/L	9.4	0.31	1	01/25/18 00:00	01/26/18 19:17	120-82-1	1e
2,4,5-Trichlorophenol	**<0.31**	ug/L	47.2	0.31	1	01/25/18 00:00	01/26/18 19:17	95-95-4	1e
2,4,6-Trichlorophenol	**<0.37**	ug/L	9.4	0.37	1	01/25/18 00:00	01/26/18 19:17	88-06-2	1e
Surrogates									
Nitrobenzene-d5 (S)	64	%	33-99		1	01/25/18 00:00	01/26/18 19:17	4165-60-0	
2-Fluorobiphenyl (S)	67	%	30-103		1	01/25/18 00:00	01/26/18 19:17	321-60-8	
Terphenyl-d14 (S)	64	%	38-114		1	01/25/18 00:00	01/26/18 19:17	1718-51-0	
Phenol-d6 (S)	37	%	10-56		1	01/25/18 00:00	01/26/18 19:17	13127-88-3	
2-Fluorophenol (S)	48	%	10-68		1	01/25/18 00:00	01/26/18 19:17	367-12-4	
2,4,6-Tribromophenol (S)	85	%	21-124		1	01/25/18 00:00	01/26/18 19:17	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C								
TPH-ORO	**<0.96**	mg/L	0.96	0.96	1	01/25/18 15:00	01/30/18 19:22		1e
TPH-DRO	**<0.96**	mg/L	0.96	0.96	1	01/25/18 15:00	01/30/18 19:22		1e
Surrogates									
Nitrobenzene-d5 (S)	70	%	33-99		1	01/25/18 15:00	01/30/18 19:22	4165-60-0	
2-Fluorobiphenyl (S)	74	%	30-103		1	01/25/18 15:00	01/30/18 19:22	321-60-8	
Terphenyl-d14 (S)	80	%	38-114		1	01/25/18 15:00	01/30/18 19:22	1718-51-0	
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**<1.9**	ug/L	10.0	1.9	1		01/25/18 14:51	67-64-1	
Benzene	**<0.060**	ug/L	1.0	0.060	1		01/25/18 14:51	71-43-2	
Bromobenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:51	108-86-1	
Bromochloromethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 14:51	74-97-5	
Bromodichloromethane	**<0.19**	ug/L	1.0	0.19	1		01/25/18 14:51	75-27-4	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-8 **Lab ID: 60262644017** Collected: 01/23/18 15:30 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Bromoform	**<0.070**	ug/L	1.0	0.070	1		01/25/18 14:51	75-25-2	
Bromomethane	**<0.16**	ug/L	5.0	0.16	1		01/25/18 14:51	74-83-9	
2-Butanone (MEK)	**<0.59**	ug/L	10.0	0.59	1		01/25/18 14:51	78-93-3	
n-Butylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:51	104-51-8	
sec-Butylbenzene	**<0.050**	ug/L	1.0	0.050	1		01/25/18 14:51	135-98-8	
tert-Butylbenzene	**<0.34**	ug/L	1.0	0.34	1		01/25/18 14:51	98-06-6	
Carbon disulfide	**<0.12**	ug/L	5.0	0.12	1		01/25/18 14:51	75-15-0	
Carbon tetrachloride	**<0.18**	ug/L	1.0	0.18	1		01/25/18 14:51	56-23-5	
Chlorobenzene	**<0.21**	ug/L	1.0	0.21	1		01/25/18 14:51	108-90-7	
Chloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 14:51	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		01/25/18 14:51	67-66-3	
Chloromethane	**<0.080**	ug/L	1.0	0.080	1		01/25/18 14:51	74-87-3	
2-Chlorotoluene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 14:51	95-49-8	
4-Chlorotoluene	**<0.14**	ug/L	1.0	0.14	1		01/25/18 14:51	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.59**	ug/L	2.5	0.59	1		01/25/18 14:51	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		01/25/18 14:51	124-48-1	
1,2-Dibromoethane (EDB)	**<0.17**	ug/L	1.0	0.17	1		01/25/18 14:51	106-93-4	
Dibromomethane	**<0.18**	ug/L	1.0	0.18	1		01/25/18 14:51	74-95-3	
1,2-Dichlorobenzene	**<0.050**	ug/L	1.0	0.050	1		01/25/18 14:51	95-50-1	
1,3-Dichlorobenzene	**<0.070**	ug/L	1.0	0.070	1		01/25/18 14:51	541-73-1	
1,4-Dichlorobenzene	**<0.060**	ug/L	1.0	0.060	1		01/25/18 14:51	106-46-7	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	0.21	1		01/25/18 14:51	75-71-8	
1,1-Dichloroethane	**<0.050**	ug/L	1.0	0.050	1		01/25/18 14:51	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		01/25/18 14:51	107-06-2	
1,2-Dichloroethene (Total)	**<0.28**	ug/L	1.0	0.28	1		01/25/18 14:51	540-59-0	
1,1-Dichloroethene	**<0.20**	ug/L	1.0	0.20	1		01/25/18 14:51	75-35-4	
cis-1,2-Dichloroethene	**<0.080**	ug/L	1.0	0.080	1		01/25/18 14:51	156-59-2	
trans-1,2-Dichloroethene	**<0.20**	ug/L	1.0	0.20	1		01/25/18 14:51	156-60-5	
1,2-Dichloropropane	**<0.16**	ug/L	1.0	0.16	1		01/25/18 14:51	78-87-5	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		01/25/18 14:51	142-28-9	
2,2-Dichloropropane	**<0.19**	ug/L	1.0	0.19	1		01/25/18 14:51	594-20-7	
1,1-Dichloropropene	**<0.090**	ug/L	1.0	0.090	1		01/25/18 14:51	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	1.0	0.14	1		01/25/18 14:51	10061-01-5	
trans-1,3-Dichloropropene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 14:51	10061-02-6	
Ethylbenzene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 14:51	100-41-4	
Hexachloro-1,3-butadiene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 14:51	87-68-3	
2-Hexanone	**<1.2**	ug/L	10.0	1.2	1		01/25/18 14:51	591-78-6	
Isopropylbenzene (Cumene)	**<0.070**	ug/L	1.0	0.070	1		01/25/18 14:51	98-82-8	
p-Isopropyltoluene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:51	99-87-6	
Methylene chloride	**<0.15**	ug/L	1.0	0.15	1		01/25/18 14:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	10.0	0.42	1		01/25/18 14:51	108-10-1	
Methyl-tert-butyl ether	**<0.060**	ug/L	1.0	0.060	1		01/25/18 14:51	1634-04-4	
Naphthalene	**<0.50**	ug/L	10.0	0.50	1		01/25/18 14:51	91-20-3	
n-Propylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:51	103-65-1	
Styrene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 14:51	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 14:51	630-20-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-8 **Lab ID: 60262644017** Collected: 01/23/18 15:30 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 14:51	79-34-5	
Tetrachloroethene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:51	127-18-4	
Toluene	**<0.17**	ug/L	1.0	0.17	1		01/25/18 14:51	108-88-3	
1,2,3-Trichlorobenzene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 14:51	87-61-6	
1,2,4-Trichlorobenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:51	120-82-1	
1,1,1-Trichloroethane	**0.43J**	ug/L	1.0	0.11	1		01/25/18 14:51	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/25/18 14:51	79-00-5	
Trichloroethene	**<0.17**	ug/L	1.0	0.17	1		01/25/18 14:51	79-01-6	
Trichlorofluoromethane	**<0.34**	ug/L	1.0	0.34	1		01/25/18 14:51	75-69-4	
1,2,3-Trichloropropane	**<0.19**	ug/L	2.5	0.19	1		01/25/18 14:51	96-18-4	
1,2,4-Trimethylbenzene	**<0.090**	ug/L	1.0	0.090	1		01/25/18 14:51	95-63-6	
1,3,5-Trimethylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 14:51	108-67-8	
Vinyl chloride	**<0.13**	ug/L	1.0	0.13	1		01/25/18 14:51	75-01-4	
Xylene (Total)	**<0.42**	ug/L	3.0	0.42	1		01/25/18 14:51	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	80-119		1		01/25/18 14:51	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	80-117		1		01/25/18 14:51	17060-07-0	
Toluene-d8 (S)	98	%	80-115		1		01/25/18 14:51	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		01/25/18 14:51		
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260								
TPH-GRO	**<63.5**	ug/L	500	63.5	1		01/25/18 23:46		
Surrogates									
Toluene-d8 (S)	105	%	80-115		1		01/25/18 23:46	2037-26-5	
4-Bromofluorobenzene (S)	105	%	80-119		1		01/25/18 23:46	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	87-117		1		01/25/18 23:46	17060-07-0	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
pH at 25 Degrees C	**7.1**	Std. Units	0.10	0.10	1		01/31/18 11:33		H6
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**2.9**	mg/L	0.20	0.10	2		01/25/18 13:32		
9056 IC Anions	Analytical Method: EPA 9056								
Sulfate	**49.9**	mg/L	5.0	2.5	5		02/04/18 22:36	14808-79-8	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-9 **Lab ID: 60262644018** Collected: 01/23/18 16:30 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/06/18 17:11	309-00-2	
alpha-BHC	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/06/18 17:11	319-84-6	
beta-BHC	**<0.010**	ug/L	0.010	0.010	1	01/26/18 12:10	02/06/18 17:11	319-85-7	
delta-BHC	**<0.0090**	ug/L	0.010	0.0090	1	01/26/18 12:10	02/06/18 17:11	319-86-8	
gamma-BHC (Lindane)	**<0.0080**	ug/L	0.010	0.0080	1	01/26/18 12:10	02/06/18 17:11	58-89-9	
Chlordane (Technical)	**<0.090**	ug/L	0.10	0.090	1	01/26/18 12:10	02/06/18 17:11	57-74-9	
alpha-Chlordane	**<0.024**	ug/L	0.10	0.024	1	01/26/18 12:10	02/06/18 17:11	5103-71-9	
gamma-Chlordane	**<0.034**	ug/L	0.10	0.034	1	01/26/18 12:10	02/06/18 17:11	5103-74-2	
4,4'-DDD	**<0.0050**	ug/L	0.010	0.0050	1	01/26/18 12:10	02/06/18 17:11	72-54-8	
4,4'-DDE	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/06/18 17:11	72-55-9	
4,4'-DDT	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/06/18 17:44	50-29-3	
Dieldrin	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/06/18 17:11	60-57-1	
Endosulfan I	**<0.021**	ug/L	0.10	0.021	1	01/26/18 12:10	02/06/18 17:11	959-98-8	
Endosulfan II	**<0.0090**	ug/L	0.010	0.0090	1	01/26/18 12:10	02/06/18 17:11	33213-65-9	
Endosulfan sulfate	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/06/18 17:44	1031-07-8	
Endrin	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/06/18 17:11	72-20-8	
Endrin aldehyde	**<0.029**	ug/L	0.10	0.029	1	01/26/18 12:10	02/06/18 17:44	7421-93-4	
Endrin ketone	**<0.025**	ug/L	0.10	0.025	1	01/26/18 12:10	02/06/18 17:44	53494-70-5	
Heptachlor	**<0.0050**	ug/L	0.010	0.0050	1	01/26/18 12:10	02/06/18 17:11	76-44-8	
Heptachlor epoxide	**<0.0070**	ug/L	0.010	0.0070	1	01/26/18 12:10	02/06/18 17:11	1024-57-3	
Methoxychlor	**<0.0060**	ug/L	0.010	0.0060	1	01/26/18 12:10	02/06/18 17:44	72-43-5	
Toxaphene	**<0.61**	ug/L	1.5	0.61	1	01/26/18 12:10	02/06/18 17:11	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	88	%.	54-127		1	01/26/18 12:10	02/06/18 17:11	877-09-8	
Decachlorobiphenyl (S)	74	%.	12-162		1	01/26/18 12:10	02/06/18 17:44	2051-24-3	
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510								
Stirophos (Tetrachlorvinphos)	**<0.072**	ug/L	0.10	0.072	1	01/26/18 12:10	02/01/18 20:12	22248-79-9	
Azinphos, methyl (Guthion)	**<0.093**	ug/L	0.10	0.093	1	01/26/18 12:10	02/01/18 20:12	86-50-0	
Bolstar	**<0.090**	ug/L	0.10	0.090	1	01/26/18 12:10	02/01/18 20:12	35400-43-2	
Chlorpyrifos	**<0.067**	ug/L	0.10	0.067	1	01/26/18 12:10	02/01/18 20:12	2921-88-2	
Coumaphos	**<0.092**	ug/L	0.10	0.092	1	01/26/18 12:10	02/01/18 20:12	56-72-4	
Diazinon	**<0.078**	ug/L	0.10	0.078	1	01/26/18 12:10	02/01/18 20:12	333-41-5	
Dichlorvos	**<0.073**	ug/L	0.10	0.073	1	01/26/18 12:10	02/01/18 20:12	62-73-7	
Dimethoate	**<0.083**	ug/L	0.10	0.083	1	01/26/18 12:10	02/01/18 20:12	60-51-5	
Disulfoton	**<0.071**	ug/L	0.10	0.071	1	01/26/18 12:10	02/01/18 20:12	298-04-4	
EPN (ENT)	**<0.087**	ug/L	0.10	0.087	1	01/26/18 12:10	02/01/18 20:12	2104-64-5	
Ethoprop	**<0.059**	ug/L	0.10	0.059	1	01/26/18 12:10	02/01/18 20:12	13194-48-4	
Fensulfothion	**<0.087**	ug/L	0.10	0.087	1	01/26/18 12:10	02/01/18 20:12	115-90-2	
Fenthion	**<0.088**	ug/L	0.10	0.088	1	01/26/18 12:10	02/01/18 20:12	55-38-9	
Malathion	**<0.086**	ug/L	0.10	0.086	1	01/26/18 12:10	02/01/18 20:12	121-75-5	
Methyl parathion	**<0.070**	ug/L	0.10	0.070	1	01/26/18 12:10	02/01/18 20:12	298-00-0	
Mevinphos	**<0.065**	ug/L	0.10	0.065	1	01/26/18 12:10	02/01/18 20:12	7786-34-7	
Parathion (Ethyl parathion)	**<0.060**	ug/L	0.10	0.060	1	01/26/18 12:10	02/01/18 20:12	56-38-2	
Phorate	**<0.064**	ug/L	0.10	0.064	1	01/26/18 12:10	02/01/18 20:12	298-02-2	
Ronnel	**<0.088**	ug/L	0.10	0.088	1	01/26/18 12:10	02/01/18 20:12	299-84-3	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-9 **Lab ID: 60262644018** Collected: 01/23/18 16:30 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510								
Sulfotep (Thiodiphosphoric Ac	**<0.061**	ug/L	0.10	0.061	1	01/26/18 12:10	02/01/18 20:12	3689-24-5	
Tokuthion (Prothiofos)	**<0.081**	ug/L	0.10	0.081	1	01/26/18 12:10	02/01/18 20:12	34643-46-4	
Trichloronate	**<0.087**	ug/L	0.10	0.087	1	01/26/18 12:10	02/01/18 20:12	327-98-0	
Total Demeton	**<0.083**	ug/L	0.10	0.083	1	01/26/18 12:10	02/01/18 20:12	8065-48-3	
Total Merphos	**<0.038**	ug/L	0.10	0.038	1	01/26/18 12:10	02/01/18 20:12	150-50-5	
Surrogates									
Triphenylphosphate (S)	100	%.	10-175		1	01/26/18 12:10	02/01/18 20:12	115-86-6	
Tributylphosphate (S)	120	%.	20-150		1	01/26/18 12:10	02/01/18 20:12	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 15:54	94-75-7	
Dalapon	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 15:54	75-99-0	
2,4-DB	**<0.34**	ug/L	0.50	0.34	1	01/29/18 21:00	02/01/18 15:54	94-82-6	
Dicamba	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 15:54	1918-00-9	
Dichloroprop	**<0.29**	ug/L	0.50	0.29	1	01/29/18 21:00	02/01/18 15:54	15165-67-0	
Dinoseb	**<0.50**	ug/L	0.50	0.50	1	01/29/18 21:00	02/01/18 15:54	88-85-7	
MCPA	**<20.0**	ug/L	20.0	20.0	1	01/29/18 21:00	02/01/18 15:54	94-74-6	
MCPP	**<20.0**	ug/L	20.0	20.0	1	01/29/18 21:00	02/01/18 15:54	7085-19-0	
2,4,5-T	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 15:54	93-76-5	
2,4,5-TP (Silvex)	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 15:54	93-72-1	
Surrogates									
2,4-DCAA (S)	105	%.	47-166		1	01/29/18 21:00	02/01/18 15:54	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**12.6**	ug/L	10.0	4.2	1	01/30/18 11:15	02/01/18 15:12	7440-38-2	
Barium	**562**	ug/L	5.0	0.91	1	01/30/18 11:15	02/01/18 15:12	7440-39-3	
Cadmium	**0.79J**	ug/L	5.0	0.64	1	01/30/18 11:15	02/01/18 15:12	7440-43-9	
Chromium	**40.7**	ug/L	5.0	0.72	1	01/30/18 11:15	02/01/18 15:12	7440-47-3	
Lead	**18.3**	ug/L	5.0	2.4	1	01/30/18 11:15	02/01/18 15:12	7439-92-1	
Selenium	**<3.4**	ug/L	15.0	3.4	1	01/30/18 11:15	02/01/18 15:12	7782-49-2	
Silver	**<1.9**	ug/L	7.0	1.9	1	01/30/18 11:15	02/01/18 15:12	7440-22-4	
6010 MET ICP, Dissolved (LF)	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic, Dissolved	**<4.2**	ug/L	10.0	4.2	1	01/30/18 10:10	01/31/18 17:30	7440-38-2	
Barium, Dissolved	**141**	ug/L	5.0	0.91	1	01/30/18 10:10	01/31/18 17:30	7440-39-3	
Cadmium, Dissolved	**<0.64**	ug/L	5.0	0.64	1	01/30/18 10:10	01/31/18 17:30	7440-43-9	
Chromium, Dissolved	**<0.72**	ug/L	5.0	0.72	1	01/30/18 10:10	01/31/18 17:30	7440-47-3	
Lead, Dissolved	**<2.4**	ug/L	5.0	2.4	1	01/30/18 10:10	01/31/18 17:30	7439-92-1	
Selenium, Dissolved	**<3.4**	ug/L	15.0	3.4	1	01/30/18 10:10	01/31/18 17:30	7782-49-2	
Silver, Dissolved	**<1.9**	ug/L	7.0	1.9	1	01/30/18 10:10	01/31/18 17:30	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**<0.046**	ug/L	0.20	0.046	1	02/08/18 11:51	02/08/18 15:27	7439-97-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-9 **Lab ID: 60262644018** Collected: 01/23/18 16:30 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury, Dissolved (LF)	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.046**	ug/L	0.20	0.046	1	02/08/18 15:58	02/09/18 11:12	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**<0.33**	ug/L	9.3	0.33	1	01/25/18 00:00	01/26/18 19:38	83-32-9	1e
Acenaphthylene	**<0.35**	ug/L	9.3	0.35	1	01/25/18 00:00	01/26/18 19:38	208-96-8	1e
Anthracene	**<0.28**	ug/L	9.3	0.28	1	01/25/18 00:00	01/26/18 19:38	120-12-7	1e
Benzo(a)anthracene	**<0.27**	ug/L	9.3	0.27	1	01/25/18 00:00	01/26/18 19:38	56-55-3	1e
Benzo(a)pyrene	**<0.33**	ug/L	9.3	0.33	1	01/25/18 00:00	01/26/18 19:38	50-32-8	1e
Benzo(b)fluoranthene	**<0.32**	ug/L	9.3	0.32	1	01/25/18 00:00	01/26/18 19:38	205-99-2	1e
Benzo(g,h,i)perylene	**<0.37**	ug/L	9.3	0.37	1	01/25/18 00:00	01/26/18 19:38	191-24-2	1e
Benzo(k)fluoranthene	**<0.39**	ug/L	9.3	0.39	1	01/25/18 00:00	01/26/18 19:38	207-08-9	1e
Benzoic acid	**9.1J**	ug/L	46.3	2.3	1	01/25/18 00:00	01/26/18 19:38	65-85-0	1e
Benzyl alcohol	**<0.32**	ug/L	18.5	0.32	1	01/25/18 00:00	01/26/18 19:38	100-51-6	1e
4-Bromophenylphenyl ether	**<0.35**	ug/L	9.3	0.35	1	01/25/18 00:00	01/26/18 19:38	101-55-3	1e
Butylbenzylphthalate	**<0.37**	ug/L	9.3	0.37	1	01/25/18 00:00	01/26/18 19:38	85-68-7	1e
Carbazole	**<0.32**	ug/L	9.3	0.32	1	01/25/18 00:00	01/26/18 19:38	86-74-8	1e
4-Chloro-3-methylphenol	**<0.23**	ug/L	18.5	0.23	1	01/25/18 00:00	01/26/18 19:38	59-50-7	1e
4-Chloroaniline	**<0.48**	ug/L	18.5	0.48	1	01/25/18 00:00	01/26/18 19:38	106-47-8	1e
bis(2-Chloroethoxy)methane	**<4.6**	ug/L	9.3	4.6	1	01/25/18 00:00	01/26/18 19:38	111-91-1	1e
bis(2-Chloroethyl) ether	**<0.27**	ug/L	9.3	0.27	1	01/25/18 00:00	01/26/18 19:38	111-44-4	1e
bis(2-Chloroisopropyl) ether	**<0.27**	ug/L	9.3	0.27	1	01/25/18 00:00	01/26/18 19:38	39638-32-9	1e
2-Chloronaphthalene	**<0.32**	ug/L	9.3	0.32	1	01/25/18 00:00	01/26/18 19:38	91-58-7	1e
2-Chlorophenol	**<0.28**	ug/L	9.3	0.28	1	01/25/18 00:00	01/26/18 19:38	95-57-8	1e
4-Chlorophenylphenyl ether	**<0.28**	ug/L	9.3	0.28	1	01/25/18 00:00	01/26/18 19:38	7005-72-3	1e
Chrysene	**<0.33**	ug/L	9.3	0.33	1	01/25/18 00:00	01/26/18 19:38	218-01-9	1e
Dibenz(a,h)anthracene	**<0.42**	ug/L	9.3	0.42	1	01/25/18 00:00	01/26/18 19:38	53-70-3	1e
Dibenzofuran	**<0.36**	ug/L	9.3	0.36	1	01/25/18 00:00	01/26/18 19:38	132-64-9	1e
1,2-Dichlorobenzene	**<0.27**	ug/L	9.3	0.27	1	01/25/18 00:00	01/26/18 19:38	95-50-1	1e
1,3-Dichlorobenzene	**<0.50**	ug/L	9.3	0.50	1	01/25/18 00:00	01/26/18 19:38	541-73-1	1e
1,4-Dichlorobenzene	**<0.38**	ug/L	9.3	0.38	1	01/25/18 00:00	01/26/18 19:38	106-46-7	1e
3,3'-Dichlorobenzidine	**<0.36**	ug/L	18.5	0.36	1	01/25/18 00:00	01/26/18 19:38	91-94-1	1e
2,4-Dichlorophenol	**<0.48**	ug/L	9.3	0.48	1	01/25/18 00:00	01/26/18 19:38	120-83-2	1e
Diethylphthalate	**<0.42**	ug/L	9.3	0.42	1	01/25/18 00:00	01/26/18 19:38	84-66-2	1e
2,4-Dimethylphenol	**<0.56**	ug/L	9.3	0.56	1	01/25/18 00:00	01/26/18 19:38	105-67-9	1e
Dimethylphthalate	**<0.32**	ug/L	9.3	0.32	1	01/25/18 00:00	01/26/18 19:38	131-11-3	1e
Di-n-butylphthalate	**<0.36**	ug/L	9.3	0.36	1	01/25/18 00:00	01/26/18 19:38	84-74-2	1e
4,6-Dinitro-2-methylphenol	**<0.51**	ug/L	46.3	0.51	1	01/25/18 00:00	01/26/18 19:38	534-52-1	1e
2,4-Dinitrophenol	**<7.8**	ug/L	46.3	7.8	1	01/25/18 00:00	01/26/18 19:38	51-28-5	1e
2,4-Dinitrotoluene	**<0.31**	ug/L	9.3	0.31	1	01/25/18 00:00	01/26/18 19:38	121-14-2	1e
2,6-Dinitrotoluene	**<0.26**	ug/L	9.3	0.26	1	01/25/18 00:00	01/26/18 19:38	606-20-2	1e
Di-n-octylphthalate	**<0.46**	ug/L	9.3	0.46	1	01/25/18 00:00	01/26/18 19:38	117-84-0	1e
bis(2-Ethylhexyl)phthalate	**<0.57**	ug/L	9.3	0.57	1	01/25/18 00:00	01/26/18 19:38	117-81-7	1e
Fluoranthene	**<0.34**	ug/L	9.3	0.34	1	01/25/18 00:00	01/26/18 19:38	206-44-0	1e
Fluorene	**<0.31**	ug/L	9.3	0.31	1	01/25/18 00:00	01/26/18 19:38	86-73-7	1e
Hexachloro-1,3-butadiene	**<0.35**	ug/L	9.3	0.35	1	01/25/18 00:00	01/26/18 19:38	87-68-3	1e
Hexachlorobenzene	**<0.28**	ug/L	9.3	0.28	1	01/25/18 00:00	01/26/18 19:38	118-74-1	1e

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-9 **Lab ID: 60262644018** Collected: 01/23/18 16:30 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Hexachlorocyclopentadiene	**<0.32**	ug/L	9.3	0.32	1	01/25/18 00:00	01/26/18 19:38	77-47-4	1e
Hexachloroethane	**<0.27**	ug/L	9.3	0.27	1	01/25/18 00:00	01/26/18 19:38	67-72-1	1e
Indeno(1,2,3-cd)pyrene	**<0.30**	ug/L	9.3	0.30	1	01/25/18 00:00	01/26/18 19:38	193-39-5	1e
Isophorone	**<0.26**	ug/L	9.3	0.26	1	01/25/18 00:00	01/26/18 19:38	78-59-1	1e
2-Methylnaphthalene	**<0.24**	ug/L	9.3	0.24	1	01/25/18 00:00	01/26/18 19:38	91-57-6	1e
2-Methylphenol(o-Cresol)	**<0.26**	ug/L	9.3	0.26	1	01/25/18 00:00	01/26/18 19:38	95-48-7	1e
3&4-Methylphenol(m&p Cresol)	**<4.6**	ug/L	9.3	4.6	1	01/25/18 00:00	01/26/18 19:38		1e
Naphthalene	**<0.33**	ug/L	9.3	0.33	1	01/25/18 00:00	01/26/18 19:38	91-20-3	1e
2-Nitroaniline	**<0.39**	ug/L	46.3	0.39	1	01/25/18 00:00	01/26/18 19:38	88-74-4	1e
3-Nitroaniline	**<0.32**	ug/L	46.3	0.32	1	01/25/18 00:00	01/26/18 19:38	99-09-2	1e
4-Nitroaniline	**<0.32**	ug/L	46.3	0.32	1	01/25/18 00:00	01/26/18 19:38	100-01-6	1e
Nitrobenzene	**<0.28**	ug/L	9.3	0.28	1	01/25/18 00:00	01/26/18 19:38	98-95-3	1e
2-Nitrophenol	**<0.26**	ug/L	9.3	0.26	1	01/25/18 00:00	01/26/18 19:38	88-75-5	1e
4-Nitrophenol	**<0.29**	ug/L	46.3	0.29	1	01/25/18 00:00	01/26/18 19:38	100-02-7	1e
N-Nitroso-di-n-propylamine	**<0.25**	ug/L	9.3	0.25	1	01/25/18 00:00	01/26/18 19:38	621-64-7	1e
N-Nitrosodiphenylamine	**<0.37**	ug/L	9.3	0.37	1	01/25/18 00:00	01/26/18 19:38	86-30-6	1e
Pentachlorophenol	**<0.29**	ug/L	46.3	0.29	1	01/25/18 00:00	01/26/18 19:38	87-86-5	1e
Phenanthrene	**<0.31**	ug/L	9.3	0.31	1	01/25/18 00:00	01/26/18 19:38	85-01-8	1e
Phenol	**<4.6**	ug/L	9.3	4.6	1	01/25/18 00:00	01/26/18 19:38	108-95-2	1e
Pyrene	**<0.26**	ug/L	9.3	0.26	1	01/25/18 00:00	01/26/18 19:38	129-00-0	1e
Pyridine	**<0.29**	ug/L	9.3	0.29	1	01/25/18 00:00	01/26/18 19:38	110-86-1	1e
1,2,4-Trichlorobenzene	**<0.31**	ug/L	9.3	0.31	1	01/25/18 00:00	01/26/18 19:38	120-82-1	1e
2,4,5-Trichlorophenol	**<0.31**	ug/L	46.3	0.31	1	01/25/18 00:00	01/26/18 19:38	95-95-4	1e
2,4,6-Trichlorophenol	**<0.36**	ug/L	9.3	0.36	1	01/25/18 00:00	01/26/18 19:38	88-06-2	1e
Surrogates									
Nitrobenzene-d5 (S)	79	%	33-99		1	01/25/18 00:00	01/26/18 19:38	4165-60-0	
2-Fluorobiphenyl (S)	81	%	30-103		1	01/25/18 00:00	01/26/18 19:38	321-60-8	
Terphenyl-d14 (S)	80	%	38-114		1	01/25/18 00:00	01/26/18 19:38	1718-51-0	
Phenol-d6 (S)	49	%	10-56		1	01/25/18 00:00	01/26/18 19:38	13127-88-3	
2-Fluorophenol (S)	63	%	10-68		1	01/25/18 00:00	01/26/18 19:38	367-12-4	
2,4,6-Tribromophenol (S)	102	%	21-124		1	01/25/18 00:00	01/26/18 19:38	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C								
TPH-ORO	**0.91**	mg/L	0.91	0.91	1	01/25/18 15:00	01/30/18 19:43		1e,B
TPH-DRO	**<0.91**	mg/L	0.91	0.91	1	01/25/18 15:00	01/30/18 19:43		1e
Surrogates									
Nitrobenzene-d5 (S)	78	%	33-99		1	01/25/18 15:00	01/30/18 19:43	4165-60-0	
2-Fluorobiphenyl (S)	85	%	30-103		1	01/25/18 15:00	01/30/18 19:43	321-60-8	
Terphenyl-d14 (S)	95	%	38-114		1	01/25/18 15:00	01/30/18 19:43	1718-51-0	
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**<1.9**	ug/L	10.0	1.9	1		01/25/18 15:05	67-64-1	
Benzene	**<0.060**	ug/L	1.0	0.060	1		01/25/18 15:05	71-43-2	
Bromobenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 15:05	108-86-1	
Bromochloromethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 15:05	74-97-5	
Bromodichloromethane	**<0.19**	ug/L	1.0	0.19	1		01/25/18 15:05	75-27-4	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-9 **Lab ID: 60262644018** Collected: 01/23/18 16:30 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Bromoform	**<0.070**	ug/L	1.0	0.070	1		01/25/18 15:05	75-25-2	
Bromomethane	**<0.16**	ug/L	5.0	0.16	1		01/25/18 15:05	74-83-9	
2-Butanone (MEK)	**<0.59**	ug/L	10.0	0.59	1		01/25/18 15:05	78-93-3	
n-Butylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 15:05	104-51-8	
sec-Butylbenzene	**<0.050**	ug/L	1.0	0.050	1		01/25/18 15:05	135-98-8	
tert-Butylbenzene	**<0.34**	ug/L	1.0	0.34	1		01/25/18 15:05	98-06-6	
Carbon disulfide	**<0.12**	ug/L	5.0	0.12	1		01/25/18 15:05	75-15-0	
Carbon tetrachloride	**<0.18**	ug/L	1.0	0.18	1		01/25/18 15:05	56-23-5	
Chlorobenzene	**<0.21**	ug/L	1.0	0.21	1		01/25/18 15:05	108-90-7	
Chloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 15:05	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		01/25/18 15:05	67-66-3	
Chloromethane	**<0.080**	ug/L	1.0	0.080	1		01/25/18 15:05	74-87-3	
2-Chlorotoluene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 15:05	95-49-8	
4-Chlorotoluene	**<0.14**	ug/L	1.0	0.14	1		01/25/18 15:05	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.59**	ug/L	2.5	0.59	1		01/25/18 15:05	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		01/25/18 15:05	124-48-1	
1,2-Dibromoethane (EDB)	**<0.17**	ug/L	1.0	0.17	1		01/25/18 15:05	106-93-4	
Dibromomethane	**<0.18**	ug/L	1.0	0.18	1		01/25/18 15:05	74-95-3	
1,2-Dichlorobenzene	**<0.050**	ug/L	1.0	0.050	1		01/25/18 15:05	95-50-1	
1,3-Dichlorobenzene	**<0.070**	ug/L	1.0	0.070	1		01/25/18 15:05	541-73-1	
1,4-Dichlorobenzene	**<0.060**	ug/L	1.0	0.060	1		01/25/18 15:05	106-46-7	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	0.21	1		01/25/18 15:05	75-71-8	
1,1-Dichloroethane	**<0.050**	ug/L	1.0	0.050	1		01/25/18 15:05	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		01/25/18 15:05	107-06-2	
1,2-Dichloroethene (Total)	**<0.28**	ug/L	1.0	0.28	1		01/25/18 15:05	540-59-0	
1,1-Dichloroethene	**<0.20**	ug/L	1.0	0.20	1		01/25/18 15:05	75-35-4	
cis-1,2-Dichloroethene	**<0.080**	ug/L	1.0	0.080	1		01/25/18 15:05	156-59-2	
trans-1,2-Dichloroethene	**<0.20**	ug/L	1.0	0.20	1		01/25/18 15:05	156-60-5	
1,2-Dichloropropane	**<0.16**	ug/L	1.0	0.16	1		01/25/18 15:05	78-87-5	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		01/25/18 15:05	142-28-9	
2,2-Dichloropropane	**<0.19**	ug/L	1.0	0.19	1		01/25/18 15:05	594-20-7	
1,1-Dichloropropene	**<0.090**	ug/L	1.0	0.090	1		01/25/18 15:05	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	1.0	0.14	1		01/25/18 15:05	10061-01-5	
trans-1,3-Dichloropropene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 15:05	10061-02-6	
Ethylbenzene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 15:05	100-41-4	
Hexachloro-1,3-butadiene	**<0.18**	ug/L	1.0	0.18	1		01/25/18 15:05	87-68-3	
2-Hexanone	**<1.2**	ug/L	10.0	1.2	1		01/25/18 15:05	591-78-6	
Isopropylbenzene (Cumene)	**<0.070**	ug/L	1.0	0.070	1		01/25/18 15:05	98-82-8	
p-Isopropyltoluene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 15:05	99-87-6	
Methylene chloride	**<0.15**	ug/L	1.0	0.15	1		01/25/18 15:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	10.0	0.42	1		01/25/18 15:05	108-10-1	
Methyl-tert-butyl ether	**<0.060**	ug/L	1.0	0.060	1		01/25/18 15:05	1634-04-4	
Naphthalene	**<0.50**	ug/L	10.0	0.50	1		01/25/18 15:05	91-20-3	
n-Propylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 15:05	103-65-1	
Styrene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 15:05	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 15:05	630-20-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Sample: SB-9 **Lab ID: 60262644018** Collected: 01/23/18 16:30 Received: 01/24/18 13:05 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	0.15	1		01/25/18 15:05	79-34-5	
Tetrachloroethene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 15:05	127-18-4	
Toluene	**<0.17**	ug/L	1.0	0.17	1		01/25/18 15:05	108-88-3	
1,2,3-Trichlorobenzene	**<0.12**	ug/L	1.0	0.12	1		01/25/18 15:05	87-61-6	
1,2,4-Trichlorobenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 15:05	120-82-1	
1,1,1-Trichloroethane	**<0.11**	ug/L	1.0	0.11	1		01/25/18 15:05	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/25/18 15:05	79-00-5	
Trichloroethene	**<0.17**	ug/L	1.0	0.17	1		01/25/18 15:05	79-01-6	
Trichlorofluoromethane	**<0.34**	ug/L	1.0	0.34	1		01/25/18 15:05	75-69-4	
1,2,3-Trichloropropane	**<0.19**	ug/L	2.5	0.19	1		01/25/18 15:05	96-18-4	
1,2,4-Trimethylbenzene	**<0.090**	ug/L	1.0	0.090	1		01/25/18 15:05	95-63-6	
1,3,5-Trimethylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/25/18 15:05	108-67-8	
Vinyl chloride	**<0.13**	ug/L	1.0	0.13	1		01/25/18 15:05	75-01-4	
Xylene (Total)	**<0.42**	ug/L	3.0	0.42	1		01/25/18 15:05	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	80-119		1		01/25/18 15:05	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-117		1		01/25/18 15:05	17060-07-0	
Toluene-d8 (S)	94	%	80-115		1		01/25/18 15:05	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		01/25/18 15:05		
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260								
TPH-GRO	**<63.5**	ug/L	500	63.5	1		01/26/18 17:31		
Surrogates									
Toluene-d8 (S)	104	%	80-115		1		01/26/18 17:31	2037-26-5	
4-Bromofluorobenzene (S)	100	%	80-119		1		01/26/18 17:31	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	87-117		1		01/26/18 17:31	17060-07-0	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
pH at 25 Degrees C	**7.0**	Std. Units	0.10	0.10	1		01/31/18 11:38		H6
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**0.64**	mg/L	0.10	0.050	1		01/25/18 13:41		
9056 IC Anions	Analytical Method: EPA 9056								
Sulfate	**48.0**	mg/L	10.0	5.0	10		02/02/18 21:15	14808-79-8	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 513439 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017, 60262644018

METHOD BLANK: 2101718 Matrix: Water
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017, 60262644018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	<0.046	0.20	0.046	02/08/18 15:00	

LABORATORY CONTROL SAMPLE: 2101719

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.9	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2101720 2101721

Parameter	Units	60263480001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.6	4.8	92	96	75-125	3	20	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 513471 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury ,Dissolved
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017, 60262644018

METHOD BLANK: 2101839 Matrix: Water
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017, 60262644018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.046	0.20	0.046	02/09/18 10:41	

LABORATORY CONTROL SAMPLE: 2101840

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.6	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2101841 2101842

Parameter	Units	60262644016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	<0.046	5	5	5.3	5.0	106	100	75-125	6	20	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 511728 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644007, 60262644008, 60262644009, 60262644010, 60262644011, 60262644012

METHOD BLANK: 2095315 Matrix: Solid
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644007, 60262644008, 60262644009, 60262644010, 60262644011, 60262644012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	<0.0066	0.050	0.0066	01/25/18 11:25	

LABORATORY CONTROL SAMPLE: 2095316

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.5	0.49	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2095317 2095318

Parameter	Units	60262572001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.31	.58	.53	1.1	1.1	141	142	75-125	8	20	M1

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 512324 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644007, 60262644008, 60262644009, 60262644010, 60262644011, 60262644012

METHOD BLANK: 2097587 Matrix: Solid
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644007, 60262644008, 60262644009, 60262644010, 60262644011, 60262644012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	<0.41	1.0	0.41	02/01/18 17:08	
Barium	mg/kg	<0.031	0.50	0.031	02/01/18 17:08	
Cadmium	mg/kg	<0.037	0.50	0.037	02/01/18 17:08	
Chromium	mg/kg	<0.10	0.50	0.10	02/01/18 17:08	
Lead	mg/kg	<0.21	0.50	0.21	02/01/18 17:08	
Selenium	mg/kg	<0.75	1.5	0.75	02/01/18 17:08	
Silver	mg/kg	<0.17	0.70	0.17	02/01/18 17:08	

LABORATORY CONTROL SAMPLE: 2097588

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	100	89.0	89	80-120	
Barium	mg/kg	100	96.0	96	80-120	
Cadmium	mg/kg	100	91.6	92	80-120	
Chromium	mg/kg	100	96.9	97	80-120	
Lead	mg/kg	100	96.2	96	80-120	
Selenium	mg/kg	100	91.2	91	80-120	
Silver	mg/kg	50	47.0	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2097589 2097590

Parameter	Units	60262644002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	17.7	120	116	113	110	80	80	75-125	3	20	
Barium	mg/kg	333	120	116	394	378	51	39	75-125	4	20	M1
Cadmium	mg/kg	29.0	120	116	108	105	66	65	75-125	3	20	M1
Chromium	mg/kg	25.7	120	116	130	127	87	87	75-125	2	20	
Lead	mg/kg	250	120	116	199	175	-43	-65	75-125	13	20	M1
Selenium	mg/kg	2.3	120	116	106	101	86	85	75-125	5	20	
Silver	mg/kg	<0.19	60.2	57.9	56.6	53.9	94	93	75-125	5	20	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 513465 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017, 60262644018

METHOD BLANK: 2101809 Matrix: Water
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017, 60262644018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	<4.2	10.0	4.2	02/01/18 14:54	
Barium	ug/L	<0.91	5.0	0.91	02/01/18 14:54	
Cadmium	ug/L	<0.64	5.0	0.64	02/01/18 14:54	
Chromium	ug/L	<0.72	5.0	0.72	02/01/18 14:54	
Lead	ug/L	<2.4	5.0	2.4	02/01/18 14:54	
Selenium	ug/L	<3.4	15.0	3.4	02/01/18 14:54	
Silver	ug/L	<1.9	7.0	1.9	02/01/18 14:54	

LABORATORY CONTROL SAMPLE: 2101810

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	954	95	80-120	
Barium	ug/L	1000	983	98	80-120	
Cadmium	ug/L	1000	972	97	80-120	
Chromium	ug/L	1000	1010	101	80-120	
Lead	ug/L	1000	989	99	80-120	
Selenium	ug/L	1000	995	100	80-120	
Silver	ug/L	500	510	102	80-120	

MATRIX SPIKE SAMPLE: 2101811

Parameter	Units	60262831017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	11.1	1000	975	96	75-125	
Barium	ug/L	52.3	1000	1030	98	75-125	
Cadmium	ug/L	2.3J	1000	970	97	75-125	
Chromium	ug/L	10.6	1000	996	98	75-125	
Lead	ug/L	30.0	1000	984	95	75-125	
Selenium	ug/L	<3.4	1000	999	100	75-125	
Silver	ug/L	<1.9	500	503	101	75-125	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 513463 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET Dissolved
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017, 60262644018

METHOD BLANK: 2101805 Matrix: Water
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017, 60262644018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	<4.2	10.0	4.2	01/31/18 17:00	
Barium, Dissolved	ug/L	<0.91	5.0	0.91	01/31/18 17:00	
Cadmium, Dissolved	ug/L	<0.64	5.0	0.64	01/31/18 17:00	
Chromium, Dissolved	ug/L	<0.72	5.0	0.72	01/31/18 17:00	
Lead, Dissolved	ug/L	<2.4	5.0	2.4	01/31/18 17:00	
Selenium, Dissolved	ug/L	<3.4	15.0	3.4	01/31/18 17:00	
Silver, Dissolved	ug/L	<1.9	7.0	1.9	01/31/18 17:00	

LABORATORY CONTROL SAMPLE: 2101806

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	1000	956	96	80-120	
Barium, Dissolved	ug/L	1000	991	99	80-120	
Cadmium, Dissolved	ug/L	1000	988	99	80-120	
Chromium, Dissolved	ug/L	1000	1020	102	80-120	
Lead, Dissolved	ug/L	1000	1030	103	80-120	
Selenium, Dissolved	ug/L	1000	1010	101	80-120	
Silver, Dissolved	ug/L	500	494	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2101807 2101808

Parameter	Units	60262644015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic, Dissolved	ug/L	<4.2	1000	1000	985	974	98	97	75-125	1	20	
Barium, Dissolved	ug/L	70.2	1000	1000	1050	1030	98	96	75-125	1	20	
Cadmium, Dissolved	ug/L	<0.64	1000	1000	988	976	99	98	75-125	1	20	
Chromium, Dissolved	ug/L	1.4J	1000	1000	996	986	99	98	75-125	1	20	
Lead, Dissolved	ug/L	<2.4	1000	1000	966	961	97	96	75-125	0	20	
Selenium, Dissolved	ug/L	4.5J	1000	1000	1020	1010	101	100	75-125	1	20	
Silver, Dissolved	ug/L	<1.9	500	500	493	487	99	97	75-125	1	20	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 511774 Analysis Method: EPA 5035A/8260
QC Batch Method: EPA 5035A/8260 Analysis Description: 8260 MSV GRO and Oxygenates
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644007, 60262644008, 60262644009, 60262644010, 60262644011, 60262644012

METHOD BLANK: 2095493 Matrix: Solid
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644007, 60262644008, 60262644009, 60262644010, 60262644011, 60262644012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH-GRO	mg/kg	<0.25	0.50	0.25	01/31/18 12:11	

LABORATORY CONTROL SAMPLE: 2095494

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	4	4.4	111	61-140	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 511785 Analysis Method: EPA 5030B/8260
QC Batch Method: EPA 5030B/8260 Analysis Description: 8260 MSV Water 10 mL Purge
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017, 60262644018

METHOD BLANK: 2095520 Matrix: Water
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017, 60262644018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.15	1.0	0.15	01/25/18 11:21	
1,1,1-Trichloroethane	ug/L	<0.11	1.0	0.11	01/25/18 11:21	
1,1,2,2-Tetrachloroethane	ug/L	<0.15	1.0	0.15	01/25/18 11:21	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	0.20	01/25/18 11:21	
1,1-Dichloroethane	ug/L	<0.050	1.0	0.050	01/25/18 11:21	
1,1-Dichloroethene	ug/L	<0.20	1.0	0.20	01/25/18 11:21	
1,1-Dichloropropene	ug/L	<0.090	1.0	0.090	01/25/18 11:21	
1,2,3-Trichlorobenzene	ug/L	<0.12	1.0	0.12	01/25/18 11:21	
1,2,3-Trichloropropane	ug/L	<0.19	2.5	0.19	01/25/18 11:21	
1,2,4-Trichlorobenzene	ug/L	<0.10	1.0	0.10	01/25/18 11:21	
1,2,4-Trimethylbenzene	ug/L	0.11J	1.0	0.090	01/25/18 11:21	
1,2-Dibromo-3-chloropropane	ug/L	<0.59	2.5	0.59	01/25/18 11:21	
1,2-Dibromoethane (EDB)	ug/L	<0.17	1.0	0.17	01/25/18 11:21	
1,2-Dichlorobenzene	ug/L	<0.050	1.0	0.050	01/25/18 11:21	
1,2-Dichloroethane	ug/L	<0.12	1.0	0.12	01/25/18 11:21	
1,2-Dichloroethene (Total)	ug/L	<0.28	1.0	0.28	01/25/18 11:21	
1,2-Dichloropropane	ug/L	<0.16	1.0	0.16	01/25/18 11:21	
1,3,5-Trimethylbenzene	ug/L	<0.10	1.0	0.10	01/25/18 11:21	
1,3-Dichlorobenzene	ug/L	<0.070	1.0	0.070	01/25/18 11:21	
1,3-Dichloropropane	ug/L	<0.17	1.0	0.17	01/25/18 11:21	
1,4-Dichlorobenzene	ug/L	<0.060	1.0	0.060	01/25/18 11:21	
2,2-Dichloropropane	ug/L	<0.19	1.0	0.19	01/25/18 11:21	
2-Butanone (MEK)	ug/L	<0.59	10.0	0.59	01/25/18 11:21	
2-Chlorotoluene	ug/L	<0.12	1.0	0.12	01/25/18 11:21	
2-Hexanone	ug/L	<1.2	10.0	1.2	01/25/18 11:21	
4-Chlorotoluene	ug/L	<0.14	1.0	0.14	01/25/18 11:21	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.42	10.0	0.42	01/25/18 11:21	
Acetone	ug/L	<1.9	10.0	1.9	01/25/18 11:21	
Benzene	ug/L	<0.060	1.0	0.060	01/25/18 11:21	
Bromobenzene	ug/L	<0.10	1.0	0.10	01/25/18 11:21	
Bromochloromethane	ug/L	<0.15	1.0	0.15	01/25/18 11:21	
Bromodichloromethane	ug/L	<0.19	1.0	0.19	01/25/18 11:21	
Bromoform	ug/L	<0.070	1.0	0.070	01/25/18 11:21	
Bromomethane	ug/L	<0.16	5.0	0.16	01/25/18 11:21	
Carbon disulfide	ug/L	<0.12	5.0	0.12	01/25/18 11:21	
Carbon tetrachloride	ug/L	<0.18	1.0	0.18	01/25/18 11:21	
Chlorobenzene	ug/L	<0.21	1.0	0.21	01/25/18 11:21	
Chloroethane	ug/L	<0.15	1.0	0.15	01/25/18 11:21	
Chloroform	ug/L	<0.14	1.0	0.14	01/25/18 11:21	
Chloromethane	ug/L	<0.080	1.0	0.080	01/25/18 11:21	
cis-1,2-Dichloroethene	ug/L	<0.080	1.0	0.080	01/25/18 11:21	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

METHOD BLANK: 2095520 Matrix: Water
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017, 60262644018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	<0.14	1.0	0.14	01/25/18 11:21	
Dibromochloromethane	ug/L	<0.21	1.0	0.21	01/25/18 11:21	
Dibromomethane	ug/L	<0.18	1.0	0.18	01/25/18 11:21	
Dichlorodifluoromethane	ug/L	<0.21	1.0	0.21	01/25/18 11:21	
Ethylbenzene	ug/L	<0.18	1.0	0.18	01/25/18 11:21	
Hexachloro-1,3-butadiene	ug/L	<0.18	1.0	0.18	01/25/18 11:21	
Isopropylbenzene (Cumene)	ug/L	<0.070	1.0	0.070	01/25/18 11:21	
Methyl-tert-butyl ether	ug/L	<0.060	1.0	0.060	01/25/18 11:21	
Methylene chloride	ug/L	<0.15	1.0	0.15	01/25/18 11:21	
n-Butylbenzene	ug/L	<0.10	1.0	0.10	01/25/18 11:21	
n-Propylbenzene	ug/L	<0.10	1.0	0.10	01/25/18 11:21	
Naphthalene	ug/L	<0.50	10.0	0.50	01/25/18 11:21	
p-Isopropyltoluene	ug/L	<0.10	1.0	0.10	01/25/18 11:21	
sec-Butylbenzene	ug/L	<0.050	1.0	0.050	01/25/18 11:21	
Styrene	ug/L	<0.12	1.0	0.12	01/25/18 11:21	
tert-Butylbenzene	ug/L	<0.34	1.0	0.34	01/25/18 11:21	
Tetrachloroethene	ug/L	<0.10	1.0	0.10	01/25/18 11:21	
Toluene	ug/L	<0.17	1.0	0.17	01/25/18 11:21	
trans-1,2-Dichloroethene	ug/L	<0.20	1.0	0.20	01/25/18 11:21	
trans-1,3-Dichloropropene	ug/L	<0.12	1.0	0.12	01/25/18 11:21	
Trichloroethene	ug/L	<0.17	1.0	0.17	01/25/18 11:21	
Trichlorofluoromethane	ug/L	<0.34	1.0	0.34	01/25/18 11:21	
Vinyl chloride	ug/L	<0.13	1.0	0.13	01/25/18 11:21	
Xylene (Total)	ug/L	<0.42	3.0	0.42	01/25/18 11:21	
1,2-Dichloroethane-d4 (S)	%	100	80-117		01/25/18 11:21	
4-Bromofluorobenzene (S)	%	101	80-119		01/25/18 11:21	
Toluene-d8 (S)	%	99	80-115		01/25/18 11:21	

LABORATORY CONTROL SAMPLE: 2095521

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.0	100	86-115	
1,1,1-Trichloroethane	ug/L	20	20.4	102	87-122	
1,1,2,2-Tetrachloroethane	ug/L	20	21.2	106	74-121	
1,1,2-Trichloroethane	ug/L	20	20.3	101	83-119	
1,1-Dichloroethane	ug/L	20	20.7	104	85-128	
1,1-Dichloroethene	ug/L	20	18.9	95	85-123	
1,1-Dichloropropene	ug/L	20	21.1	106	87-124	
1,2,3-Trichlorobenzene	ug/L	20	21.3	107	74-122	
1,2,3-Trichloropropane	ug/L	20	21.1	105	76-125	
1,2,4-Trichlorobenzene	ug/L	20	20.3	102	80-120	
1,2,4-Trimethylbenzene	ug/L	20	19.4	97	83-121	
1,2-Dibromo-3-chloropropane	ug/L	20	23.3	117	64-132	
1,2-Dibromoethane (EDB)	ug/L	20	20.8	104	84-118	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

LABORATORY CONTROL SAMPLE: 2095521

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/L	20	19.9	99	83-118	
1,2-Dichloroethane	ug/L	20	21.2	106	77-120	
1,2-Dichloroethene (Total)	ug/L	40	42.2	106	85-120	
1,2-Dichloropropane	ug/L	20	21.3	106	81-126	
1,3,5-Trimethylbenzene	ug/L	20	20.0	100	82-120	
1,3-Dichlorobenzene	ug/L	20	20.2	101	84-118	
1,3-Dichloropropane	ug/L	20	19.1	96	79-132	
1,4-Dichlorobenzene	ug/L	20	19.5	97	83-118	
2,2-Dichloropropane	ug/L	20	21.9	110	64-129	
2-Butanone (MEK)	ug/L	100	115	115	65-134	
2-Chlorotoluene	ug/L	20	19.9	100	85-115	
2-Hexanone	ug/L	100	112	112	68-132	
4-Chlorotoluene	ug/L	20	19.3	97	85-118	
4-Methyl-2-pentanone (MIBK)	ug/L	100	115	115	66-139	
Acetone	ug/L	100	107	107	62-142	
Benzene	ug/L	20	21.0	105	81-118	
Bromobenzene	ug/L	20	20.8	104	82-116	
Bromochloromethane	ug/L	20	19.5	97	82-129	
Bromodichloromethane	ug/L	20	21.3	106	85-123	
Bromoform	ug/L	20	19.7	99	83-123	
Bromomethane	ug/L	20	17.2	86	39-149	
Carbon disulfide	ug/L	20	17.2	86	85-124	
Carbon tetrachloride	ug/L	20	21.2	106	85-126	
Chlorobenzene	ug/L	20	20.1	100	87-118	
Chloroethane	ug/L	20	16.2	81	73-134	
Chloroform	ug/L	20	20.6	103	85-119	
Chloromethane	ug/L	20	19.7	99	20-174	
cis-1,2-Dichloroethene	ug/L	20	20.9	104	84-121	
cis-1,3-Dichloropropene	ug/L	20	22.1	110	80-124	
Dibromochloromethane	ug/L	20	20.8	104	83-122	
Dibromomethane	ug/L	20	20.5	103	82-125	
Dichlorodifluoromethane	ug/L	20	17.3	86	67-149	
Ethylbenzene	ug/L	20	20.1	100	80-118	
Hexachloro-1,3-butadiene	ug/L	20	19.5	97	75-117	
Isopropylbenzene (Cumene)	ug/L	20	20.3	102	89-120	
Methyl-tert-butyl ether	ug/L	20	22.0	110	82-119	
Methylene chloride	ug/L	20	20.3	101	81-126	
n-Butylbenzene	ug/L	20	20.1	100	80-116	
n-Propylbenzene	ug/L	20	20.1	100	83-119	
Naphthalene	ug/L	20	22.6	113	71-121	
p-Isopropyltoluene	ug/L	20	19.1	96	82-117	
sec-Butylbenzene	ug/L	20	20.8	104	81-113	
Styrene	ug/L	20	21.1	105	85-120	
tert-Butylbenzene	ug/L	20	20.0	100	85-116	
Tetrachloroethene	ug/L	20	19.0	95	87-120	
Toluene	ug/L	20	20.0	100	82-118	
trans-1,2-Dichloroethene	ug/L	20	21.3	107	83-121	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

LABORATORY CONTROL SAMPLE: 2095521

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/L	20	20.4	102	80-122	
Trichloroethene	ug/L	20	20.7	103	82-120	
Trichlorofluoromethane	ug/L	20	20.2	101	86-133	
Vinyl chloride	ug/L	20	20.8	104	74-147	
Xylene (Total)	ug/L	60	60.3	100	81-120	
1,2-Dichloroethane-d4 (S)	%			103	80-117	
4-Bromofluorobenzene (S)	%			101	80-119	
Toluene-d8 (S)	%			96	80-115	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 511875 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV MO GRO Oxygenates
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017

METHOD BLANK: 2095811 Matrix: Water
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH-GRO	ug/L	<63.5	500	63.5	01/25/18 19:30	
1,2-Dichloroethane-d4 (S)	%	99	87-117		01/25/18 19:30	
4-Bromofluorobenzene (S)	%	104	80-119		01/25/18 19:30	
Toluene-d8 (S)	%	104	80-115		01/25/18 19:30	

LABORATORY CONTROL SAMPLE: 2095812

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	ug/L	4000	4440	111	77-146	
1,2-Dichloroethane-d4 (S)	%			95	87-117	
4-Bromofluorobenzene (S)	%			96	80-119	
Toluene-d8 (S)	%			103	80-115	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 512008
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV MO GRO Oxygenates
Associated Lab Samples: 60262644018

METHOD BLANK: 2096402
Matrix: Water
Associated Lab Samples: 60262644018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH-GRO	ug/L	<63.5	500	63.5	01/26/18 13:42	
1,2-Dichloroethane-d4 (S)	%	96	87-117		01/26/18 13:42	
4-Bromofluorobenzene (S)	%	107	80-119		01/26/18 13:42	
Toluene-d8 (S)	%	104	80-115		01/26/18 13:42	

LABORATORY CONTROL SAMPLE: 2096403

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	ug/L	4000	4190	105	77-146	
1,2-Dichloroethane-d4 (S)	%			96	87-117	
4-Bromofluorobenzene (S)	%			96	80-119	
Toluene-d8 (S)	%			104	80-115	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 511857 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644007, 60262644008, 60262644009, 60262644010, 60262644011, 60262644012

METHOD BLANK: 2095754 Matrix: Solid
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644007, 60262644008, 60262644009, 60262644010, 60262644011, 60262644012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,1,1-Trichloroethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,1,2,2-Tetrachloroethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,1,2-Trichloroethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,1-Dichloroethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,1-Dichloroethene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,1-Dichloropropene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,2,3-Trichlorobenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,2,3-Trichloropropane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,2,4-Trichlorobenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,2,4-Trimethylbenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,2-Dibromo-3-chloropropane	ug/kg	<5.0	10.0	5.0	01/31/18 12:11	
1,2-Dibromoethane (EDB)	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,2-Dichlorobenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,2-Dichloroethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,2-Dichloroethene (Total)	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,2-Dichloropropane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,3,5-Trimethylbenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,3-Dichlorobenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,3-Dichloropropane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,4-Dichlorobenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
2,2-Dichloropropane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
2-Butanone (MEK)	ug/kg	<5.0	10.0	5.0	01/31/18 12:11	
2-Chlorotoluene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
2-Hexanone	ug/kg	<10.0	20.0	10.0	01/31/18 12:11	
4-Chlorotoluene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
4-Methyl-2-pentanone (MIBK)	ug/kg	<5.0	10.0	5.0	01/31/18 12:11	
Acetone	ug/kg	<10.0	20.0	10.0	01/31/18 12:11	
Benzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Bromobenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Bromochloromethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Bromodichloromethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Bromoform	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Bromomethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Carbon disulfide	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Carbon tetrachloride	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Chlorobenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Chloroethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Chloroform	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Chloromethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

METHOD BLANK: 2095754 Matrix: Solid
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644007, 60262644008, 60262644009, 60262644010, 60262644011, 60262644012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
cis-1,3-Dichloropropene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Dibromochloromethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Dibromomethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Dichlorodifluoromethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Ethylbenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Hexachloro-1,3-butadiene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Isopropylbenzene (Cumene)	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Methyl-tert-butyl ether	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Methylene chloride	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
n-Butylbenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
n-Propylbenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Naphthalene	ug/kg	<5.0	10.0	5.0	01/31/18 12:11	
p-Isopropyltoluene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
sec-Butylbenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Styrene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
tert-Butylbenzene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Tetrachloroethene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Toluene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
trans-1,2-Dichloroethene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
trans-1,3-Dichloropropene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Trichloroethene	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Trichlorofluoromethane	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Vinyl chloride	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
Xylene (Total)	ug/kg	<2.5	5.0	2.5	01/31/18 12:11	
1,2-Dichloroethane-d4 (S)	%	107	80-123		01/31/18 12:11	
4-Bromofluorobenzene (S)	%	105	69-133		01/31/18 12:11	
Toluene-d8 (S)	%	104	78-122		01/31/18 12:11	

LABORATORY CONTROL SAMPLE: 2095755

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	113	113	79-131	
1,1,1-Trichloroethane	ug/kg	100	111	111	75-138	
1,1,2,2-Tetrachloroethane	ug/kg	100	103	103	71-127	
1,1,2-Trichloroethane	ug/kg	100	102	102	77-118	
1,1-Dichloroethane	ug/kg	100	111	111	79-127	
1,1-Dichloroethene	ug/kg	100	116	116	66-135	
1,1-Dichloropropene	ug/kg	100	113	113	69-143	
1,2,3-Trichlorobenzene	ug/kg	100	111	111	78-122	
1,2,3-Trichloropropane	ug/kg	100	92.5	93	74-119	
1,2,4-Trichlorobenzene	ug/kg	100	107	107	71-129	
1,2,4-Trimethylbenzene	ug/kg	100	104	104	73-130	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

LABORATORY CONTROL SAMPLE: 2095755

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/kg	100	96.8	97	72-139	
1,2-Dibromoethane (EDB)	ug/kg	100	95.2	95	81-121	
1,2-Dichlorobenzene	ug/kg	100	104	104	74-123	
1,2-Dichloroethane	ug/kg	100	114	114	77-117	
1,2-Dichloroethene (Total)	ug/kg	200	174	87	77-127	
1,2-Dichloropropane	ug/kg	100	110	110	70-126	
1,3,5-Trimethylbenzene	ug/kg	100	111	111	74-131	
1,3-Dichlorobenzene	ug/kg	100	110	110	75-124	
1,3-Dichloropropane	ug/kg	100	98.0	98	80-121	
1,4-Dichlorobenzene	ug/kg	100	102	102	74-125	
2,2-Dichloropropane	ug/kg	100	117	117	70-146	
2-Butanone (MEK)	ug/kg	500	510	102	66-121	
2-Chlorotoluene	ug/kg	100	106	106	75-127	
2-Hexanone	ug/kg	500	515	103	67-124	
4-Chlorotoluene	ug/kg	100	107	107	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	519	104	70-120	
Acetone	ug/kg	500	650	130	60-134	
Benzene	ug/kg	100	110	110	77-122	
Bromobenzene	ug/kg	100	104	104	79-121	
Bromochloromethane	ug/kg	100	100	100	74-123	
Bromodichloromethane	ug/kg	100	116	116	80-133	
Bromoform	ug/kg	100	100	100	76-150	
Bromomethane	ug/kg	100	83.7	84	24-174	
Carbon disulfide	ug/kg	100	113	113	59-145	
Carbon tetrachloride	ug/kg	100	123	123	73-150	
Chlorobenzene	ug/kg	100	108	108	76-123	
Chloroethane	ug/kg	100	86.0	86	34-164	
Chloroform	ug/kg	100	108	108	80-122	
Chloromethane	ug/kg	100	90.6	91	10-170	
cis-1,2-Dichloroethene	ug/kg	100	110	110	81-121	
cis-1,3-Dichloropropene	ug/kg	100	112	112	71-137	
Dibromochloromethane	ug/kg	100	113	113	78-137	
Dibromomethane	ug/kg	100	108	108	82-119	
Dichlorodifluoromethane	ug/kg	100	123	123	10-186	
Ethylbenzene	ug/kg	100	115	115	74-126	
Hexachloro-1,3-butadiene	ug/kg	100	113	113	68-146	
Isopropylbenzene (Cumene)	ug/kg	100	116	116	75-133	
Methyl-tert-butyl ether	ug/kg	100	76.6	77	74-120	
Methylene chloride	ug/kg	100	114	114	64-138	
n-Butylbenzene	ug/kg	100	111	111	70-140	
n-Propylbenzene	ug/kg	100	110	110	72-134	
Naphthalene	ug/kg	100	105	105	73-117	
p-Isopropyltoluene	ug/kg	100	105	105	72-135	
sec-Butylbenzene	ug/kg	100	116	116	72-132	
Styrene	ug/kg	100	121	121	77-127	
tert-Butylbenzene	ug/kg	100	107	107	74-133	
Tetrachloroethene	ug/kg	100	113	113	75-135	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

LABORATORY CONTROL SAMPLE: 2095755

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/kg	100	113	113	73-122	
trans-1,2-Dichloroethene	ug/kg	100	63.9	64	71-134	L2
trans-1,3-Dichloropropene	ug/kg	100	106	106	72-142	
Trichloroethene	ug/kg	100	112	112	73-127	
Trichlorofluoromethane	ug/kg	100	121	121	55-155	
Vinyl chloride	ug/kg	100	118	118	36-162	
Xylene (Total)	ug/kg	300	330	110	75-123	
1,2-Dichloroethane-d4 (S)	%			104	80-123	
4-Bromofluorobenzene (S)	%			97	69-133	
Toluene-d8 (S)	%			102	78-122	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 91324 Analysis Method: EPA 8081
QC Batch Method: EPA 3546 Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644007, 60262644008, 60262644009, 60262644010

METHOD BLANK: 404871 Matrix: Solid
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644007, 60262644008, 60262644009, 60262644010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
4,4'-DDD	ug/kg	<0.33	1.0	0.33	01/29/18 11:55	
4,4'-DDE	ug/kg	<0.31	1.0	0.31	01/29/18 11:55	
4,4'-DDT	ug/kg	<0.64	1.4	0.64	01/29/18 11:55	
Aldrin	ug/kg	<0.35	1.0	0.35	01/29/18 11:55	
alpha-BHC	ug/kg	<0.16	1.0	0.16	01/29/18 11:55	
alpha-Chlordane	ug/kg	<0.40	1.7	0.40	01/29/18 11:55	
beta-BHC	ug/kg	<0.53	1.7	0.53	01/29/18 11:55	
Chlordane (Technical)	ug/kg	<28.1	150	28.1	01/29/18 11:55	
delta-BHC	ug/kg	<0.48	1.4	0.48	01/29/18 11:55	
Dieldrin	ug/kg	<0.43	1.4	0.43	01/29/18 11:55	
Endosulfan I	ug/kg	<0.46	1.4	0.46	01/29/18 11:55	
Endosulfan II	ug/kg	<0.32	1.0	0.32	01/29/18 11:55	
Endosulfan sulfate	ug/kg	<0.46	1.4	0.46	01/29/18 11:55	
Endrin	ug/kg	<0.46	1.7	0.46	01/29/18 11:55	
Endrin aldehyde	ug/kg	<0.46	1.4	0.46	01/29/18 11:55	
Endrin ketone	ug/kg	<0.55	2.0	0.55	01/29/18 11:55	
gamma-BHC (Lindane)	ug/kg	<0.45	1.4	0.45	01/29/18 11:55	
gamma-Chlordane	ug/kg	<0.66	1.7	0.66	01/29/18 11:55	
Heptachlor	ug/kg	<0.76	2.0	0.76	01/29/18 11:55	
Heptachlor epoxide	ug/kg	<2.0	5.0	2.0	01/29/18 11:55	
Methoxychlor	ug/kg	<0.57	2.0	0.57	01/29/18 11:55	
Toxaphene	ug/kg	<51.8	150	51.8	01/29/18 11:55	
Decachlorobiphenyl (S)	%.	68	70-130		01/29/18 11:55	S0
Tetrachloro-m-xylene (S)	%.	83	70-130		01/29/18 11:55	

LABORATORY CONTROL SAMPLE: 404872

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/kg	33.3	29.3	88	70-130	
4,4'-DDE	ug/kg	33.3	32.8	99	70-130	
4,4'-DDT	ug/kg	33.3	29.9	90	70-130	
Aldrin	ug/kg	33.3	27.7	83	70-130	
alpha-BHC	ug/kg	33.3	31.3	94	70-130	
alpha-Chlordane	ug/kg	33.3	30.5	92	70-130	
beta-BHC	ug/kg	33.3	31.0	93	70-130	
delta-BHC	ug/kg	33.3	30.4	91	70-130	
Dieldrin	ug/kg	33.3	26.7	80	70-130	
Endosulfan I	ug/kg	33.3	25.5	77	70-130	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

LABORATORY CONTROL SAMPLE: 404872

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endosulfan II	ug/kg	33.3	27.2	82	70-130	
Endosulfan sulfate	ug/kg	33.3	25.1	75	70-130	
Endrin	ug/kg	33.3	28.8	87	70-130	
Endrin aldehyde	ug/kg	33.3	28.3	85	70-130	
Endrin ketone	ug/kg	33.3	25.4	76	70-130	
gamma-BHC (Lindane)	ug/kg	33.3	31.3	94	70-130	
gamma-Chlordane	ug/kg	33.3	27.3	82	70-130	
Heptachlor	ug/kg	33.3	29.0	87	70-130	
Heptachlor epoxide	ug/kg	33.3	26.7	80	70-130	
Methoxychlor	ug/kg	33.3	30.1	90	70-130	
Decachlorobiphenyl (S)	%.			61	70-130	S0
Tetrachloro-m-xylene (S)	%.			78	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 404873 404874

Parameter	Units	60262644001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4,4'-DDD	ug/kg	<0.41	62	62.6	50.9	51.9	82	83	70-130	2	40	
4,4'-DDE	ug/kg	0.93J	62	62.6	59.2	60.0	94	94	70-130	1	40	
4,4'-DDT	ug/kg	<0.81	62	62.6	53.0	54.0	85	86	70-130	2	40	
Aldrin	ug/kg	<0.44	62	62.6	51.8	52.3	84	83	70-130	1	40	
alpha-BHC	ug/kg	<0.20	62	62.6	60.5	62.7	98	100	70-130	4	40	
alpha-Chlordane	ug/kg	<0.50	62	62.6	51.3	51.7	83	83	70-130	1	40	
beta-BHC	ug/kg	<0.66	62	62.6	57.6	60.1	93	96	70-130	4	40	
delta-BHC	ug/kg	<0.60	62	62.6	57.5	59.1	92	94	70-130	3	40	
Dieldrin	ug/kg	<0.54	62	62.6	46.7	47.1	75	75	70-130	1	40	
Endosulfan I	ug/kg	<0.58	62	62.6	42.0	43.2	68	69	70-130	3	40	M1
Endosulfan II	ug/kg	<0.40	62	62.6	47.0	47.3	75	75	70-130	1	40	
Endosulfan sulfate	ug/kg	<0.58	62	62.6	41.5	41.4	67	66	70-130	0	40	M1
Endrin	ug/kg	<0.58	62	62.6	51.1	52.4	82	84	70-130	3	40	
Endrin aldehyde	ug/kg	<0.58	62	62.6	48.8	48.7	79	78	70-130	0	40	
Endrin ketone	ug/kg	<0.69	62	62.6	49.2	46.2	79	74	70-130	6	40	
gamma-BHC (Lindane)	ug/kg	<0.56	62	62.6	59.8	61.1	96	97	70-130	2	40	
gamma-Chlordane	ug/kg	<0.83	62	62.6	47.0	47.3	76	75	70-130	1	40	
Heptachlor	ug/kg	<0.95	62	62.6	55.0	55.3	89	88	70-130	1	40	
Heptachlor epoxide	ug/kg	<2.5	62	62.6	48.9	49.4	78	78	70-130	1	40	
Methoxychlor	ug/kg	<0.72	62	62.6	49.6	49.9	80	80	70-130	1	40	
Decachlorobiphenyl (S)	%.						73	71	70-130			
Tetrachloro-m-xylene (S)	%.						83	84	70-130			

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 91580
QC Batch Method: EPA 3546
Analysis Method: EPA 8081
Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 60262644011, 60262644012

METHOD BLANK: 405973
Matrix: Solid
Associated Lab Samples: 60262644011, 60262644012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
4,4'-DDD	ug/kg	<0.33	1.0	0.33	02/05/18 18:09	
4,4'-DDE	ug/kg	<0.31	1.0	0.31	02/05/18 18:09	
4,4'-DDT	ug/kg	<0.65	1.4	0.65	02/05/18 18:09	
Aldrin	ug/kg	<0.35	1.0	0.35	02/05/18 18:09	
alpha-BHC	ug/kg	<0.16	1.0	0.16	02/05/18 18:09	
alpha-Chlordane	ug/kg	<0.40	1.7	0.40	02/05/18 18:09	
beta-BHC	ug/kg	<0.53	1.7	0.53	02/05/18 18:09	
Chlordane (Technical)	ug/kg	<28.1	150	28.1	02/05/18 18:09	
delta-BHC	ug/kg	<0.48	1.4	0.48	02/05/18 18:09	
Dieldrin	ug/kg	<0.43	1.4	0.43	02/05/18 18:09	
Endosulfan I	ug/kg	<0.46	1.4	0.46	02/05/18 18:09	
Endosulfan II	ug/kg	<0.32	1.0	0.32	02/05/18 18:09	
Endosulfan sulfate	ug/kg	<0.46	1.4	0.46	02/05/18 18:09	
Endrin	ug/kg	<0.46	1.7	0.46	02/05/18 18:09	
Endrin aldehyde	ug/kg	<0.46	1.4	0.46	02/05/18 18:09	
Endrin ketone	ug/kg	<0.55	2.0	0.55	02/05/18 18:09	
gamma-BHC (Lindane)	ug/kg	<0.45	1.4	0.45	02/05/18 18:09	
gamma-Chlordane	ug/kg	<0.66	1.7	0.66	02/05/18 18:09	
Heptachlor	ug/kg	<0.76	2.0	0.76	02/05/18 18:09	
Heptachlor epoxide	ug/kg	<2.0	5.0	2.0	02/05/18 18:09	
Methoxychlor	ug/kg	<0.57	2.0	0.57	02/05/18 18:09	
Toxaphene	ug/kg	<51.8	150	51.8	02/05/18 18:09	
Decachlorobiphenyl (S)	%.	100	70-130		02/05/18 18:09	
Tetrachloro-m-xylene (S)	%.	90	70-130		02/05/18 18:09	

LABORATORY CONTROL SAMPLE: 405974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/kg	33.3	31.7	95	70-130	
4,4'-DDE	ug/kg	33.3	31.8	96	70-130	
4,4'-DDT	ug/kg	33.3	31.3	94	70-130	
Aldrin	ug/kg	33.3	29.9	90	70-130	
alpha-BHC	ug/kg	33.3	31.5	95	70-130	
alpha-Chlordane	ug/kg	33.3	29.8	90	70-130	
beta-BHC	ug/kg	33.3	27.8	83	70-130	
delta-BHC	ug/kg	33.3	28.8	87	70-130	
Dieldrin	ug/kg	33.3	28.5	86	70-130	
Endosulfan I	ug/kg	33.3	28.0	84	70-130	
Endosulfan II	ug/kg	33.3	29.5	89	70-130	
Endosulfan sulfate	ug/kg	33.3	27.5	83	70-130	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

LABORATORY CONTROL SAMPLE: 405974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin	ug/kg	33.3	30.1	90	70-130	
Endrin aldehyde	ug/kg	33.3	27.9	84	70-130	
Endrin ketone	ug/kg	33.3	28.0	84	70-130	
gamma-BHC (Lindane)	ug/kg	33.3	30.1	90	70-130	
gamma-Chlordane	ug/kg	33.3	32.0	96	70-130	
Heptachlor	ug/kg	33.3	29.4	88	70-130	
Heptachlor epoxide	ug/kg	33.3	28.1	85	70-130	
Methoxychlor	ug/kg	33.3	29.5	88	70-130	
Decachlorobiphenyl (S)	%.			93	70-130	
Tetrachloro-m-xylene (S)	%.			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 405975 405976

Parameter	Units	60262738001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4,4'-DDD	ug/kg	<0.58	60.4	60.5	45.3	46.3	75	77	70-130	2	40	
4,4'-DDE	ug/kg	<0.56	60.4	60.5	54.7	55.9	90	92	70-130	2	40	
4,4'-DDT	ug/kg	<1.2	60.4	60.5	44.8	45.2	74	75	70-130	1	40	
Aldrin	ug/kg	<0.64	60.4	60.5	44.6	45.4	74	75	70-130	2	40	
alpha-BHC	ug/kg	<0.28	60.4	60.5	49.1	50.4	81	83	70-130	3	40	
alpha-Chlordane	ug/kg	<0.71	60.4	60.5	45.6	46.3	75	77	70-130	2	40	
beta-BHC	ug/kg	<0.95	60.4	60.5	49.4	51.4	82	85	70-130	4	40	
delta-BHC	ug/kg	<0.86	60.4	60.5	47.7	47.2	79	78	70-130	1	40	
Dieldrin	ug/kg	<0.78	60.4	60.5	41.5	42.1	69	70	70-130	1	40	M1
Endosulfan I	ug/kg	<0.83	60.4	60.5	38.2	38.2	63	63	70-130	0	40	M1
Endosulfan II	ug/kg	<0.58	60.4	60.5	42.6	43.2	71	71	70-130	1	40	
Endosulfan sulfate	ug/kg	<0.83	60.4	60.5	38.4	39.5	64	65	70-130	3	40	M1
Endrin	ug/kg	<0.83	60.4	60.5	46.2	45.9	76	76	70-130	1	40	
Endrin aldehyde	ug/kg	<0.83	60.4	60.5	42.5	42.9	70	71	70-130	1	40	
Endrin ketone	ug/kg	<0.99	60.4	60.5	39.3	40.2	64	66	70-130	2	40	M1
gamma-BHC (Lindane)	ug/kg	<0.81	60.4	60.5	48.5	49.8	80	82	70-130	3	40	
gamma-Chlordane	ug/kg	<1.2	60.4	60.5	42.0	42.4	70	70	70-130	1	40	
Heptachlor	ug/kg	<1.4	60.4	60.5	43.0	43.7	71	72	70-130	2	40	
Heptachlor epoxide	ug/kg	<3.6	60.4	60.5	42.8	43.8	71	72	70-130	2	40	
Methoxychlor	ug/kg	<1.0	60.4	60.5	44.6	47.0	74	78	70-130	5	40	
Decachlorobiphenyl (S)	%.						71	72	70-130			
Tetrachloro-m-xylene (S)	%.						75	75	70-130			

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 91344 Analysis Method: EPA 8081
QC Batch Method: EPA 3510 Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017, 60262644018

METHOD BLANK: 404959 Matrix: Water
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017, 60262644018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
4,4'-DDD	ug/L	<0.0050	0.010	0.0050	02/05/18 15:49	
4,4'-DDE	ug/L	<0.0070	0.010	0.0070	02/05/18 15:49	
4,4'-DDT	ug/L	<0.0070	0.010	0.0070	02/05/18 15:49	
Aldrin	ug/L	<0.0070	0.010	0.0070	02/05/18 15:49	
alpha-BHC	ug/L	<0.0060	0.010	0.0060	02/05/18 15:49	
alpha-Chlordane	ug/L	<0.024	0.10	0.024	02/05/18 15:49	
beta-BHC	ug/L	<0.010	0.010	0.010	02/05/18 15:49	
Chlordane (Technical)	ug/L	<0.090	0.10	0.090	02/05/18 15:49	
delta-BHC	ug/L	<0.0090	0.010	0.0090	02/05/18 15:49	
Dieldrin	ug/L	<0.0060	0.010	0.0060	02/05/18 15:49	
Endosulfan I	ug/L	<0.021	0.10	0.021	02/05/18 15:49	
Endosulfan II	ug/L	<0.0090	0.010	0.0090	02/05/18 15:49	
Endosulfan sulfate	ug/L	<0.0070	0.010	0.0070	02/05/18 15:49	
Endrin	ug/L	<0.0070	0.010	0.0070	02/05/18 15:49	
Endrin aldehyde	ug/L	<0.029	0.10	0.029	02/05/18 15:49	
Endrin ketone	ug/L	<0.025	0.10	0.025	02/05/18 15:49	
gamma-BHC (Lindane)	ug/L	<0.0080	0.010	0.0080	02/05/18 15:49	
gamma-Chlordane	ug/L	<0.034	0.10	0.034	02/05/18 15:49	
Heptachlor	ug/L	<0.0050	0.010	0.0050	02/05/18 15:49	
Heptachlor epoxide	ug/L	<0.0070	0.010	0.0070	02/05/18 15:49	
Methoxychlor	ug/L	<0.0060	0.010	0.0060	02/05/18 15:49	
Toxaphene	ug/L	<0.61	1.5	0.61	02/05/18 15:49	
Decachlorobiphenyl (S)	%.	69	12-162		02/05/18 15:49	
Tetrachloro-m-xylene (S)	%.	89	54-127		02/05/18 15:49	

LABORATORY CONTROL SAMPLE: 404960

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	1	1.2	116	68-149	
4,4'-DDE	ug/L	1	1.1	110	70-135	
4,4'-DDT	ug/L	1	1.3	130	30-174	
Aldrin	ug/L	1	1.0	102	60-137	
alpha-BHC	ug/L	1	1.1	109	73-136	
alpha-Chlordane	ug/L	1	1.3	125	24-176	
beta-BHC	ug/L	1	1.2	117	50-174	
delta-BHC	ug/L	1	1.1	113	18-200	
Dieldrin	ug/L	1	1.0	104	62-148	
Endosulfan I	ug/L	1	0.97	97	38-171	
Endosulfan II	ug/L	1	1.1	112	36-178	
Endosulfan sulfate	ug/L	1	1.3	128	64-131	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

LABORATORY CONTROL SAMPLE: 404960

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin	ug/L	1	1.1	108	56-152	
Endrin aldehyde	ug/L	1	1.3	125	52-162	
Endrin ketone	ug/L	1	1.3	131	22-187	
gamma-BHC (Lindane)	ug/L	1	1.1	108	70-135	
gamma-Chlordane	ug/L	1	1.0	103	52-155	
Heptachlor	ug/L	1	1.2	125	59-139	
Heptachlor epoxide	ug/L	1	1.1	112	65-138	
Methoxychlor	ug/L	1	1.4	144	39-160	
Decachlorobiphenyl (S)	%.			129	12-162	
Tetrachloro-m-xylene (S)	%.			98	54-127	

MATRIX SPIKE SAMPLE: 404963

Parameter	Units	60262572008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	<0.0050	1	1.2	116	24-177	
4,4'-DDE	ug/L	<0.0070	1	1.0	103	22-161	
4,4'-DDT	ug/L	<0.0070	1	1.1	113	10-180	
Aldrin	ug/L	<0.0070	1	0.94	94	10-156	
alpha-BHC	ug/L	<0.0060	1	1.1	106	71-143	
alpha-Chlordane	ug/L	<0.024	1	1.2	124	15-174	
beta-BHC	ug/L	<0.010	1	1.2	120	72-149	
delta-BHC	ug/L	<0.0090	1	1.2	116	44-151	
Dieldrin	ug/L	<0.0060	1	1.0	105	33-166	
Endosulfan I	ug/L	<0.021	1	0.98	98	27-167	
Endosulfan II	ug/L	<0.0090	1	1.1	113	37-173	
Endosulfan sulfate	ug/L	<0.0070	1	1.3	132	33-167	
Endrin	ug/L	<0.0070	1	1.1	111	39-173	
Endrin aldehyde	ug/L	<0.029	1	1.2	121	14-180	
Endrin ketone	ug/L	<0.025	1	1.3	133	29-180	
gamma-BHC (Lindane)	ug/L	<0.0080	1	0.97	97	69-139	
gamma-Chlordane	ug/L	<0.034	1	1.0	104	20-166	
Heptachlor	ug/L	<0.0050	1	1.3	127	48-141	
Heptachlor epoxide	ug/L	<0.0070	1	1.1	115	28-164	
Methoxychlor	ug/L	<0.0060	1	1.4	136	20-178	
Decachlorobiphenyl (S)	%.				54	12-162	
Tetrachloro-m-xylene (S)	%.				89	54-127	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 91325 Analysis Method: EPA 8141A
QC Batch Method: EPA 3546 Analysis Description: Organophos Pests in soil by 8141
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644007, 60262644008, 60262644009, 60262644010

METHOD BLANK: 404876 Matrix: Solid
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644007, 60262644008, 60262644009, 60262644010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Azinphos, methyl (Guthion)	ug/kg	<3.3	6.6	3.3	01/31/18 18:41	
Bolstar	ug/kg	<3.3	6.6	3.3	01/31/18 18:41	
Chlorpyrifos	ug/kg	<3.3	6.6	3.3	01/31/18 18:41	
Coumaphos	ug/kg	<3.3	6.6	3.3	01/31/18 18:41	
Diazinon	ug/kg	<3.3	6.6	3.3	01/31/18 18:41	
Dichlorvos	ug/kg	<1.7	3.3	1.7	01/31/18 18:41	
Dimethoate	ug/kg	<3.3	6.6	3.3	01/31/18 18:41	
Disulfoton	ug/kg	<1.7	3.3	1.7	01/31/18 18:41	
EPN (ENT)	ug/kg	<2.1	3.3	2.1	01/31/18 18:41	
Ethoprop	ug/kg	<1.7	3.3	1.7	01/31/18 18:41	
Fensulfothion	ug/kg	<3.3	6.6	3.3	01/31/18 18:41	
Fenthion	ug/kg	<1.7	3.3	1.7	01/31/18 18:41	
Malathion	ug/kg	<3.3	6.6	3.3	01/31/18 18:41	
Methyl parathion	ug/kg	<1.7	3.3	1.7	01/31/18 18:41	
Mevinphos	ug/kg	<2.0	3.3	2.0	01/31/18 18:41	
Parathion (Ethyl parathion)	ug/kg	<3.3	6.6	3.3	01/31/18 18:41	
Phorate	ug/kg	<1.7	3.3	1.7	01/31/18 18:41	
Ronnel	ug/kg	<1.7	3.3	1.7	01/31/18 18:41	
Stirophos (Tetrachlorvinphos)	ug/kg	<3.3	6.6	3.3	01/31/18 18:41	
Sulfotep (Thiodiphosphoric Ac	ug/kg	<1.7	3.3	1.7	01/31/18 18:41	
Tokuthion (Prothiofos)	ug/kg	<1.7	3.3	1.7	01/31/18 18:41	
Total Demeton	ug/kg	<2.7	3.3	2.7	01/31/18 18:41	N2
Total Merphos	ug/kg	<3.3	13.3	3.3	01/31/18 18:41	N2
Trichloronate	ug/kg	<3.3	6.6	3.3	01/31/18 18:41	
Tributylphosphate (S)	%.	113	17-125		01/31/18 18:41	
Triphenylphosphate (S)	%.	98	11-137		01/31/18 18:41	

LABORATORY CONTROL SAMPLE: 404877

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Azinphos, methyl (Guthion)	ug/kg	8.3	6.2	74	45-142	
Bolstar	ug/kg	8.3	6.1	73	58-97	
Chlorpyrifos	ug/kg	8.3	5.6	67	58-97	
Coumaphos	ug/kg	8.3	6.0	72	59-123	
Diazinon	ug/kg	8.3	5.9	71	51-100	
Dichlorvos	ug/kg	8.3	6.4	77	40-117	
Dimethoate	ug/kg	8.3	6.0	72	32-130	
Disulfoton	ug/kg	8.3	5.6	67	32-108	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

LABORATORY CONTROL SAMPLE: 404877

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
EPN (ENT)	ug/kg	8.3	6.0	72	51-117	
Ethoprop	ug/kg	8.3	6.6	80	49-108	
Fensulfothion	ug/kg	8.3	6.7	81	47-148	
Fenthion	ug/kg	8.3	6.2	74	58-111	
Malathion	ug/kg	8.3	6.2	74	55-112	
Methyl parathion	ug/kg	8.3	6.0	72	49-113	
Mevinphos	ug/kg	8.3	6.2	74	43-121	
Parathion (Ethyl parathion)	ug/kg	8.3	6.0	72	50-114	
Phorate	ug/kg	8.3	6.0	72	42-108	
Ronnel	ug/kg	8.3	5.9	71	54-106	
Stirophos (Tetrachlorvinphos)	ug/kg	8.3	6.2	74	54-115	
Sulfotep (Thiodiphosphoric Ac	ug/kg	8.3	6.8	82	46-108	
Tokuthion (Prothiofos)	ug/kg	8.3	6.2	75	59-104	
Total Demeton	ug/kg	8.3	5.6	68	32-106	N2
Total Merphos	ug/kg	8.3	6.1	73	10-144	N2
Trichloronate	ug/kg	8.3	5.9	71	59-100	
Tributylphosphate (S)	%.			73	17-125	
Triphenylphosphate (S)	%.			65	11-137	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 404878 404879

Parameter	Units	60262644002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Azinphos, methyl (Guthion)	ug/kg	<4.1	10.4	10.4	10.1	9.5	97	92	20-146	6	40	
Bolstar	ug/kg	<4.1	10.4	10.4	8.9	9.1	86	88	13-120	2	40	
Chlorpyrifos	ug/kg	<4.1	10.4	10.4	9.3	9.3	90	89	10-147	0	40	
Coumaphos	ug/kg	<4.1	10.4	10.4	10.4	9.3	100	90	28-126	11	40	
Diazinon	ug/kg	<4.1	10.4	10.4	10.7	11.1	104	107	10-136	3	40	
Dichlorvos	ug/kg	<2.1	10.4	10.4	8.5	9.0	82	87	10-135	5	40	
Dimethoate	ug/kg	<4.1	10.4	10.4	7.6	7.1	73	68	10-133	7	40	
Disulfoton	ug/kg	<2.1	10.4	10.4	8.6	7.9	83	76	10-130	9	40	
EPN (ENT)	ug/kg	<2.6	10.4	10.4	9.6	9.4	92	91	10-133	2	40	
Ethoprop	ug/kg	<2.1	10.4	10.4	9.8	8.2	95	79	15-119	18	40	
Fensulfothion	ug/kg	<4.1	10.4	10.4	10.2	9.3	98	90	16-143	9	40	
Fenthion	ug/kg	<2.1	10.4	10.4	9.5	9.1	92	88	14-133	5	40	
Malathion	ug/kg	<4.1	10.4	10.4	9.2	10	89	96	31-112	8	40	
Methyl parathion	ug/kg	<2.1	10.4	10.4	8.7	9.2	84	89	10-147	6	40	
Mevinphos	ug/kg	<2.5	10.4	10.4	8.0	8.4	77	81	10-136	4	40	
Parathion (Ethyl parathion)	ug/kg	<4.1	10.4	10.4	8.5	8.3	82	80	10-142	2	40	
Phorate	ug/kg	<2.1	10.4	10.4	8.1	8.6	78	83	10-130	6	40	
Ronnel	ug/kg	<2.1	10.4	10.4	8.5	9.0	82	87	13-125	6	40	
Stirophos (Tetrachlorvinphos)	ug/kg	<4.1	10.4	10.4	9.2	8.6	89	83	16-136	7	40	
Sulfotep (Thiodiphosphoric Ac	ug/kg	<2.1	10.4	10.4	8.3	9.2	81	88	10-122	9	40	
Tokuthion (Prothiofos)	ug/kg	<2.1	10.4	10.4	8.8	9.0	85	87	10-125	2	40	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 404878 404879

Parameter	Units	60262644002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Demeton	ug/kg	<3.4	10.4	10.4	8.2	8.7	79	84	10-119	6	40	N2
Total Merphos	ug/kg	<4.1	10.4	10.4	8.0J	8.6	77	83	10-122		40	N2
Trichloronate	ug/kg	<4.1	10.4	10.4	9.0	8.8	87	84	13-120	3	40	
Tributylphosphate (S)	%.						73	92	17-125			
Triphenylphosphate (S)	%.						78	76	11-137			

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 91581 Analysis Method: EPA 8141A
QC Batch Method: EPA 3546 Analysis Description: Organophos Pests in soil by 8141
Associated Lab Samples: 60262644011, 60262644012

METHOD BLANK: 405989 Matrix: Solid
Associated Lab Samples: 60262644011, 60262644012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Azinphos, methyl (Guthion)	ug/kg	<3.3	6.7	3.3	02/05/18 17:09	
Bolstar	ug/kg	<3.3	6.7	3.3	02/05/18 17:09	
Chlorpyrifos	ug/kg	<3.3	6.7	3.3	02/05/18 17:09	
Coumaphos	ug/kg	<3.3	6.7	3.3	02/05/18 17:09	
Diazinon	ug/kg	<3.3	6.7	3.3	02/05/18 17:09	
Dichlorvos	ug/kg	<1.7	3.3	1.7	02/05/18 17:09	
Dimethoate	ug/kg	<3.3	6.7	3.3	02/05/18 17:09	
Disulfoton	ug/kg	<1.7	3.3	1.7	02/05/18 17:09	
EPN (ENT)	ug/kg	<2.1	3.3	2.1	02/05/18 17:09	
Ethoprop	ug/kg	<1.7	3.3	1.7	02/05/18 17:09	
Fensulfothion	ug/kg	<3.3	6.7	3.3	02/05/18 17:09	
Fenthion	ug/kg	<1.7	3.3	1.7	02/05/18 17:09	
Malathion	ug/kg	<3.3	6.7	3.3	02/05/18 17:09	
Methyl parathion	ug/kg	<1.7	3.3	1.7	02/05/18 17:09	
Mevinphos	ug/kg	<2.0	3.3	2.0	02/05/18 17:09	
Parathion (Ethyl parathion)	ug/kg	<3.3	6.7	3.3	02/05/18 17:09	
Phorate	ug/kg	<1.7	3.3	1.7	02/05/18 17:09	
Ronnel	ug/kg	<1.7	3.3	1.7	02/05/18 17:09	
Stirophos (Tetrachlorvinphos)	ug/kg	<3.3	6.7	3.3	02/05/18 17:09	
Sulfotep (Thiodiphosphoric Ac	ug/kg	<1.7	3.3	1.7	02/05/18 17:09	
Tokuthion (Prothiofos)	ug/kg	<1.7	3.3	1.7	02/05/18 17:09	
Total Demeton	ug/kg	<2.7	3.3	2.7	02/05/18 17:09	N2
Total Merphos	ug/kg	<3.3	13.3	3.3	02/05/18 17:09	N2
Trichloronate	ug/kg	<3.3	6.7	3.3	02/05/18 17:09	
Tributylphosphate (S)	%.	122	17-125		02/05/18 17:09	
Triphenylphosphate (S)	%.	99	11-137		02/05/18 17:09	

LABORATORY CONTROL SAMPLE: 405990

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Azinphos, methyl (Guthion)	ug/kg	8.3	7.9	95	45-142	
Bolstar	ug/kg	8.3	6.9	83	58-97	
Chlorpyrifos	ug/kg	8.3	6.4	77	58-97	
Coumaphos	ug/kg	8.3	8.4	101	59-123	
Diazinon	ug/kg	8.3	6.7	81	51-100	
Dichlorvos	ug/kg	8.3	6.0	72	40-117	
Dimethoate	ug/kg	8.3	6.7	80	32-130	
Disulfoton	ug/kg	8.3	5.9	71	32-108	
EPN (ENT)	ug/kg	8.3	7.4	89	51-117	
Ethoprop	ug/kg	8.3	7.1	86	49-108	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

LABORATORY CONTROL SAMPLE: 405990

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fensulfothion	ug/kg	8.3	8.4	101	47-148	
Fenthion	ug/kg	8.3	7.0	84	58-111	
Malathion	ug/kg	8.3	7.0	85	55-112	
Methyl parathion	ug/kg	8.3	6.9	83	49-113	
Mevinphos	ug/kg	8.3	6.8	81	43-121	
Parathion (Ethyl parathion)	ug/kg	8.3	6.7	81	50-114	
Phorate	ug/kg	8.3	6.4	77	42-108	
Ronnel	ug/kg	8.3	6.5	78	54-106	
Stirophos (Tetrachlorvinphos)	ug/kg	8.3	7.2	87	54-115	
Sulfotep (Thiodiphosphoric Ac	ug/kg	8.3	6.6	80	46-108	
Tokuthion (Prothiofos)	ug/kg	8.3	7.1	85	59-104	
Total Demeton	ug/kg	8.3	5.8	70	32-106	N2
Total Merphos	ug/kg	8.3	5.8	70	10-144	N2
Trichloronate	ug/kg	8.3	6.7	81	59-100	
Tributylphosphate (S)	%.			84	17-125	
Triphenylphosphate (S)	%.			87	11-137	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 405991 405992

Parameter	Units	60262738002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Azinphos, methyl (Guthion)	ug/kg	<6.3	15.9	15.7	14.2	13.4	90	85	20-146	6	40	
Bolstar	ug/kg	<6.3	15.9	15.7	12.1	11.3	76	72	13-120	7	40	
Chlorpyrifos	ug/kg	<6.3	15.9	15.7	10.9	10.5	69	67	10-147	4	40	
Coumaphos	ug/kg	<6.3	15.9	15.7	14.6	13.5	92	86	28-126	8	40	
Diazinon	ug/kg	<6.3	15.9	15.7	11.3	10.6	71	67	10-136	6	40	
Dichlorvos	ug/kg	<3.2	15.9	15.7	10.5	9.8	66	63	10-135	6	40	
Dimethoate	ug/kg	<6.3	15.9	15.7	11.1	11.1	57	58	10-133	0	40	
Disulfoton	ug/kg	<3.2	15.9	15.7	10.1	9.7	64	62	10-130	4	40	
EPN (ENT)	ug/kg	<4.0	15.9	15.7	12.7	12.4	80	79	10-133	3	40	
Ethoprop	ug/kg	<3.2	15.9	15.7	12.0	11.8	76	75	15-119	2	40	
Fensulfothion	ug/kg	<6.3	15.9	15.7	14.4	14.1	91	90	16-143	2	40	
Fenthion	ug/kg	<3.2	15.9	15.7	12.5	11.6	72	67	14-133	7	40	
Malathion	ug/kg	<6.3	15.9	15.7	12.1	11.5	76	73	31-112	5	40	
Methyl parathion	ug/kg	<3.2	15.9	15.7	12.1	11.5	76	73	10-147	5	40	
Mevinphos	ug/kg	<3.7	15.9	15.7	11.5	11.5	73	73	10-136	0	40	
Parathion (Ethyl parathion)	ug/kg	<6.3	15.9	15.7	11.7	11.5	70	70	10-142	2	40	
Phorate	ug/kg	<3.2	15.9	15.7	11.1	10.8	70	69	10-130	2	40	
Ronnel	ug/kg	<3.2	15.9	15.7	11.2	10.8	71	69	13-125	4	40	
Stirophos (Tetrachlorvinphos)	ug/kg	<6.3	15.9	15.7	12.3	11.9	77	76	16-136	3	40	
Sulfotep (Thiodiphosphoric Ac	ug/kg	<3.2	15.9	15.7	11.4	11.0	72	70	10-122	4	40	
Tokuthion (Prothiofos)	ug/kg	<3.2	15.9	15.7	12.1	11.5	76	73	10-125	5	40	
Total Demeton	ug/kg	<5.2	15.9	15.7	9.2	9.4	58	60	10-119	2	40	N2
Total Merphos	ug/kg	<6.3	15.9	15.7	12.8	12.2	80	78	10-122	4	40	N2

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 405991 405992

Parameter	Units	60262738002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Trichloronate	ug/kg	<6.3	15.9	15.7	11.6	11.0	73	70	13-120	5	40	
Tributylphosphate (S)	%.						68	66	17-125			
Triphenylphosphate (S)	%.						76	73	11-137			

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 91347 Analysis Method: EPA 8141A
QC Batch Method: EPA 3510 Analysis Description: 8141 GCS, O/P Pesticides
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017, 60262644018

METHOD BLANK: 404969 Matrix: Water
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017, 60262644018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Azinphos, methyl (Guthion)	ug/L	<0.093	0.10	0.093	02/01/18 15:40	
Bolstar	ug/L	<0.090	0.10	0.090	02/01/18 15:40	
Chlorpyrifos	ug/L	<0.067	0.10	0.067	02/01/18 15:40	
Coumaphos	ug/L	<0.092	0.10	0.092	02/01/18 15:40	
Diazinon	ug/L	<0.078	0.10	0.078	02/01/18 15:40	
Dichlorvos	ug/L	<0.073	0.10	0.073	02/01/18 15:40	
Dimethoate	ug/L	<0.083	0.10	0.083	02/01/18 15:40	
Disulfoton	ug/L	<0.071	0.10	0.071	02/01/18 15:40	
EPN (ENT)	ug/L	<0.087	0.10	0.087	02/01/18 15:40	
Ethoprop	ug/L	<0.059	0.10	0.059	02/01/18 15:40	
Fensulfothion	ug/L	<0.087	0.10	0.087	02/01/18 15:40	
Fenthion	ug/L	<0.088	0.10	0.088	02/01/18 15:40	
Malathion	ug/L	<0.086	0.10	0.086	02/01/18 15:40	
Methyl parathion	ug/L	<0.070	0.10	0.070	02/01/18 15:40	
Mevinphos	ug/L	<0.065	0.10	0.065	02/01/18 15:40	
Parathion (Ethyl parathion)	ug/L	<0.060	0.10	0.060	02/01/18 15:40	
Phorate	ug/L	<0.064	0.10	0.064	02/01/18 15:40	
Ronnel	ug/L	<0.088	0.10	0.088	02/01/18 15:40	
Stirophos (Tetrachlorvinphos)	ug/L	<0.072	0.10	0.072	02/01/18 15:40	
Sulfotep (Thiodiphosphoric Ac	ug/L	<0.061	0.10	0.061	02/01/18 15:40	
Tokuthion (Prothiofos)	ug/L	<0.081	0.10	0.081	02/01/18 15:40	
Total Demeton	ug/L	<0.083	0.10	0.083	02/01/18 15:40	
Total Merphos	ug/L	<0.038	0.10	0.038	02/01/18 15:40	
Trichloronate	ug/L	<0.087	0.10	0.087	02/01/18 15:40	
Tributylphosphate (S)	%.	124	20-150		02/01/18 15:40	
Triphenylphosphate (S)	%.	86	10-175		02/01/18 15:40	

LABORATORY CONTROL SAMPLE: 404970

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Azinphos, methyl (Guthion)	ug/L	.25	0.21	83	32-136	
Bolstar	ug/L	.25	0.19	75	45-115	
Chlorpyrifos	ug/L	.25	0.18	72	44-113	
Coumaphos	ug/L	.25	0.23	91	42-135	
Diazinon	ug/L	.25	0.19	78	35-117	
Dichlorvos	ug/L	.25	0.18	70	24-129	
Dimethoate	ug/L	.25	0.17	68	43-120	
Disulfoton	ug/L	.25	0.18	74	34-111	
EPN (ENT)	ug/L	.25	0.20	80	34-133	
Ethoprop	ug/L	.25	0.17	69	42-113	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

LABORATORY CONTROL SAMPLE: 404970

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fensulfothion	ug/L	.25	0.22	88	37-153	
Fenthion	ug/L	.25	0.21	82	43-128	
Malathion	ug/L	.25	0.20	81	42-125	
Methyl parathion	ug/L	.25	0.19	78	41-127	
Mevinphos	ug/L	.25	0.20	78	16-142	
Parathion (Ethyl parathion)	ug/L	.25	0.18	73	42-118	
Phorate	ug/L	.25	0.20	78	42-122	
Ronnel	ug/L	.25	0.19	75	45-116	
Stirophos (Tetrachlorvinphos)	ug/L	.25	0.20	81	40-131	
Sulfotep (Thiodiphosphoric Ac	ug/L	.25	0.19	78	42-111	
Tokuthion (Prothiofos)	ug/L	.25	0.20	80	42-118	
Total Demeton	ug/L	.25	0.17	69	19-126	
Total Merphos	ug/L	.25	0.19	77	10-143	
Trichloronate	ug/L	.25	0.19	76	43-116	
Tributylphosphate (S)	%.			157	20-150	S1
Triphenylphosphate (S)	%.			139	10-175	

MATRIX SPIKE SAMPLE: 404971

Parameter	Units	60262572009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Azinphos, methyl (Guthion)	ug/L	<0.46	.25	0.28	112	40-140	
Bolstar	ug/L	<0.45	.25	0.21	84	40-140	
Chlorpyrifos	ug/L	<0.34	.25	0.35	138	40-140	
Coumaphos	ug/L	<0.46	.25	0.20	79	40-140	
Diazinon	ug/L	<0.39	.25	0.28	110	40-140	
Dichlorvos	ug/L	<0.36	.25	0.19	78	40-140	
Dimethoate	ug/L	<0.42	.25	0.23	92	40-140	
Disulfoton	ug/L	<0.36	.25	0.19	75	10-140	
EPN (ENT)	ug/L	<0.44	.25	0.23	92	40-140	
Ethoprop	ug/L	<0.30	.25	0.20	79	40-140	
Fensulfothion	ug/L	<0.44	.25	0.22	90	40-140	
Fenthion	ug/L	<0.44	.25	0.12	49	40-140	
Malathion	ug/L	<0.43	.25	0.17	67	40-140	
Methyl parathion	ug/L	<0.35	.25	0.24	96	40-140	
Mevinphos	ug/L	<0.32	.25	0.18	71	40-140	
Parathion (Ethyl parathion)	ug/L	<0.30	.25	1.4	546	40-140	M3
Phorate	ug/L	<0.32	.25	0.30	121	40-140	
Ronnel	ug/L	<0.44	.25	0.26	102	40-140	
Stirophos (Tetrachlorvinphos)	ug/L	<0.36	.25	0.23	92	40-140	
Sulfotep (Thiodiphosphoric Ac	ug/L	<0.30	.25	0.21	85	40-140	
Tokuthion (Prothiofos)	ug/L	<0.40	.25	0.19	77	40-140	
Total Demeton	ug/L	<0.42	.25	0.23	92	10-140	
Total Merphos	ug/L	<0.19	.25	0.16	64	10-140	
Trichloronate	ug/L	<0.44	.25	0.95	379	40-140	M1
Tributylphosphate (S)	%.				71	20-150	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

MATRIX SPIKE SAMPLE: 404971

Parameter	Units	60262572009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Triphenylphosphate (S)	%.				84	10-175	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 91432 Analysis Method: EPA 8151
QC Batch Method: EPA 3546 Analysis Description: 8151 GCS Herbicides
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644007, 60262644008, 60262644009

METHOD BLANK: 405362 Matrix: Solid
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644007, 60262644008, 60262644009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2,4,5-T	ug/kg	<1.7	1.7	1.7	01/30/18 11:39	
2,4,5-TP (Silvex)	ug/kg	<1.7	1.7	1.7	01/30/18 11:39	
2,4-D	ug/kg	<1.7	1.7	1.7	01/30/18 11:39	
2,4-DB	ug/kg	<1.7	1.7	1.7	01/30/18 11:39	
Dalapon	ug/kg	<1.7	1.7	1.7	01/30/18 11:39	
Dicamba	ug/kg	<1.7	1.7	1.7	01/30/18 11:39	
Dichloroprop	ug/kg	<1.7	1.7	1.7	01/30/18 11:39	
Dinoseb	ug/kg	<1.7	1.7	1.7	01/30/18 11:39	
MCPA	ug/kg	<165	165	165	01/30/18 11:39	
MCPP	ug/kg	<165	165	165	01/30/18 11:39	
2,4-DCAA (S)	%.	87	10-188		01/30/18 11:39	

LABORATORY CONTROL SAMPLE: 405363

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/kg	66.4	53.7	81	61-151	
2,4,5-TP (Silvex)	ug/kg	66.4	52.9	80	58-135	
2,4-D	ug/kg	66.4	47.4	71	15-155	
2,4-DB	ug/kg	66.4	36.4	55	26-159	
Dalapon	ug/kg	66.4	17.5	26	10-172	
Dicamba	ug/kg	66.4	54.8	82	55-111	
Dichloroprop	ug/kg	66.4	57.2	86	28-167	
Dinoseb	ug/kg	66.4	50.6	76	28-200	
MCPA	ug/kg	6640	6390	96	26-131	
MCPP	ug/kg	6640	6420	97	10-158	
2,4-DCAA (S)	%.			62	10-188	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 405364 405365

Parameter	Units	60262572001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4,5-T	ug/kg	<3.2	127	127	31.3	60.5	25	47	10-146	64	40	R1
2,4,5-TP (Silvex)	ug/kg	<3.2	127	127	75.9	70.8	60	56	10-139	7	40	
2,4-D	ug/kg	<3.2	127	127	22.7	41.9	18	33	10-166	60	40	R1
2,4-DB	ug/kg	<3.2	127	127	37.7	35.8	30	28	10-200	5	40	
Dalapon	ug/kg	<3.2	127	127	11.2	25.5	9	20	10-154	78	40	M1,R1
Dicamba	ug/kg	<3.2	127	127	30.7	67.6	24	53	10-140	75	40	R1

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 405364 405365

Parameter	Units	60262572001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dichloroprop	ug/kg	<3.2	127	127	49.6	54.7	39	43	10-194	10	40	
Dinoseb	ug/kg	<3.2	127	127	39.1	110	31	86	10-200	95	40	R1
MCPA	ug/kg	<320	12700	12700	4080	3870	32	30	10-200	5	40	
MCPP	ug/kg	<320	12700	12700	5820	8840	46	69	10-175	41	40	R1
2,4-DCAA (S)	%.						12	13	10-188			

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 91433 Analysis Method: EPA 8151
QC Batch Method: EPA 3546 Analysis Description: 8151 GCS Herbicides
Associated Lab Samples: 60262644010, 60262644011, 60262644012

METHOD BLANK: 405366 Matrix: Solid
Associated Lab Samples: 60262644010, 60262644011, 60262644012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2,4,5-T	ug/kg	<1.7	1.7	1.7	01/30/18 12:03	
2,4,5-TP (Silvex)	ug/kg	<1.7	1.7	1.7	01/30/18 12:03	
2,4-D	ug/kg	<1.7	1.7	1.7	01/30/18 12:03	
2,4-DB	ug/kg	<1.7	1.7	1.7	01/30/18 12:03	
Dalapon	ug/kg	<1.7	1.7	1.7	01/30/18 12:03	
Dicamba	ug/kg	<1.7	1.7	1.7	01/30/18 12:03	
Dichloroprop	ug/kg	<1.7	1.7	1.7	01/30/18 12:03	
Dinoseb	ug/kg	<1.7	1.7	1.7	01/30/18 12:03	
MCPA	ug/kg	<165	165	165	01/30/18 12:03	
MCPP	ug/kg	<165	165	165	01/30/18 12:03	
2,4-DCAA (S)	%.	88	10-188		01/30/18 12:03	

LABORATORY CONTROL SAMPLE: 405367

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/kg	66.4	55.7	84	61-151	
2,4,5-TP (Silvex)	ug/kg	66.4	54.0	81	58-135	
2,4-D	ug/kg	66.4	46.1	69	15-155	
2,4-DB	ug/kg	66.4	33.2	50	26-159	
Dalapon	ug/kg	66.4	17.3	26	10-172	
Dicamba	ug/kg	66.4	54.0	81	55-111	
Dichloroprop	ug/kg	66.4	54.1	81	28-167	
Dinoseb	ug/kg	66.4	54.9	83	28-200	
MCPA	ug/kg	6640	5080	76	26-131	
MCPP	ug/kg	6640	5650	85	10-158	
2,4-DCAA (S)	%.			73	10-188	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 405368 405369

Parameter	Units	60262644010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4,5-T	ug/kg	<3.1	126	126	30.0	31.1	24	25	10-146	3	40	
2,4,5-TP (Silvex)	ug/kg	<3.1	126	126	23.2	23.7	18	19	10-139	2	40	
2,4-D	ug/kg	<3.1	126	126	25.1	25.2	20	20	10-166	0	40	
2,4-DB	ug/kg	<3.1	126	126	40.7	41.6	32	33	10-200	2	40	
Dalapon	ug/kg	<3.1	126	126	15.4	17.7	12	14	10-154	14	40	
Dicamba	ug/kg	<3.1	126	126	26.1	28.5	21	23	10-140	9	40	
Dichloroprop	ug/kg	<3.1	126	126	51.5	52.3	41	42	10-194	1	40	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 405368 405369

Parameter	Units	60262644010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dinoseb	ug/kg	<3.1	126	126	31.8	35.9	25	29	10-200	12	40	
MCPA	ug/kg	<309	12600	12600	2520	2360	20	19	10-200	7	40	
MCPP	ug/kg	<309	12600	12600	2570	2130	20	17	10-175	19	40	
2,4-DCAA (S)	%.						5	6	10-188			S0

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 91466 Analysis Method: EPA 8151
QC Batch Method: EPA 8151 Analysis Description: 8151A GCS Herbicides
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017, 60262644018

METHOD BLANK: 405532 Matrix: Water
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017, 60262644018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2,4,5-T	ug/L	<0.25	0.50	0.25	02/01/18 11:19	
2,4,5-TP (Silvex)	ug/L	<0.25	0.50	0.25	02/01/18 11:19	
2,4-D	ug/L	<0.25	0.50	0.25	02/01/18 11:19	
2,4-DB	ug/L	<0.34	0.50	0.34	02/01/18 11:19	
Dalapon	ug/L	<0.25	0.50	0.25	02/01/18 11:19	
Dicamba	ug/L	<0.25	0.50	0.25	02/01/18 11:19	
Dichloroprop	ug/L	<0.29	0.50	0.29	02/01/18 11:19	
Dinoseb	ug/L	<0.50	0.50	0.50	02/01/18 11:19	
MCPA	ug/L	<20.0	20.0	20.0	02/01/18 11:19	
MCPP	ug/L	<20.0	20.0	20.0	02/01/18 11:19	
2,4-DCAA (S)	%.	116	47-166		02/01/18 11:19	

LABORATORY CONTROL SAMPLE: 405533

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/L	2	2.1	105	61-151	
2,4,5-TP (Silvex)	ug/L	2	2.0	99	58-135	
2,4-D	ug/L	2	2.0	99	52-152	
2,4-DB	ug/L	2	2.4	118	50-156	
Dalapon	ug/L	2	1.0	51	10-167	
Dicamba	ug/L	2	1.8	89	49-128	
Dichloroprop	ug/L	2	1.7	85	59-143	
Dinoseb	ug/L	2	2.5	126	33-200	
MCPA	ug/L	200	160	80	45-148	
MCPP	ug/L	200	214	107	63-149	
2,4-DCAA (S)	%.			114	47-166	

MATRIX SPIKE SAMPLE: 405534

Parameter	Units	60262572010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/L	<0.25	2	2.1	104	65-153	
2,4,5-TP (Silvex)	ug/L	<0.25	2	1.9	95	10-179	
2,4-D	ug/L	3.7	2	3.9	7	10-200	M1
2,4-DB	ug/L	<0.34	2	2.3	113	68-171	
Dalapon	ug/L	<0.25	2	0.91	46	10-156	
Dicamba	ug/L	<0.25	2	1.8	88	68-151	
Dichloroprop	ug/L	4.0	2	3.6	-23	85-151	M1
Dinoseb	ug/L	<0.50	2	2.7	133	83-152	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

MATRIX SPIKE SAMPLE: 405534

Parameter	Units	60262572010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
MCPA	ug/L	<20.0	200	160	80	54-160	
MCPP	ug/L	<20.0	200	230	115	10-200	
2,4-DCAA (S)	%.				119	47-166	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 511743 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644008, 60262644009, 60262644010, 60262644011, 60262644012

METHOD BLANK: 2095379 Matrix: Solid
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644008, 60262644009, 60262644010, 60262644011, 60262644012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	<29.9	328	29.9	01/29/18 16:48	
1,2-Dichlorobenzene	ug/kg	<24.9	328	24.9	01/29/18 16:48	
1,3-Dichlorobenzene	ug/kg	<27.9	328	27.9	01/29/18 16:48	
1,4-Dichlorobenzene	ug/kg	<28.9	328	28.9	01/29/18 16:48	
2,4,5-Trichlorophenol	ug/kg	<29.9	328	29.9	01/29/18 16:48	
2,4,6-Trichlorophenol	ug/kg	<30.9	328	30.9	01/29/18 16:48	
2,4-Dichlorophenol	ug/kg	<29.9	328	29.9	01/29/18 16:48	
2,4-Dimethylphenol	ug/kg	<17.9	328	17.9	01/29/18 16:48	
2,4-Dinitrophenol	ug/kg	<47.8	1660	47.8	01/29/18 16:48	
2,4-Dinitrotoluene	ug/kg	<27.9	328	27.9	01/29/18 16:48	
2,6-Dinitrotoluene	ug/kg	<33.8	328	33.8	01/29/18 16:48	
2-Chloronaphthalene	ug/kg	<27.9	328	27.9	01/29/18 16:48	
2-Chlorophenol	ug/kg	<26.9	328	26.9	01/29/18 16:48	
2-Methylnaphthalene	ug/kg	<23.9	328	23.9	01/29/18 16:48	
2-Methylphenol(o-Cresol)	ug/kg	<30.9	328	30.9	01/29/18 16:48	
2-Nitroaniline	ug/kg	<55.7	657	55.7	01/29/18 16:48	
2-Nitrophenol	ug/kg	<45.8	328	45.8	01/29/18 16:48	
3&4-Methylphenol(m&p Cresol)	ug/kg	<35.8	328	35.8	01/29/18 16:48	
3,3'-Dichlorobenzidine	ug/kg	<112	657	112	01/29/18 16:48	
3-Nitroaniline	ug/kg	<99.5	657	99.5	01/29/18 16:48	
4,6-Dinitro-2-methylphenol	ug/kg	<43.8	1660	43.8	01/29/18 16:48	
4-Bromophenylphenyl ether	ug/kg	<25.9	328	25.9	01/29/18 16:48	
4-Chloro-3-methylphenol	ug/kg	<35.8	657	35.8	01/29/18 16:48	
4-Chloroaniline	ug/kg	<64.7	657	64.7	01/29/18 16:48	
4-Chlorophenylphenyl ether	ug/kg	<31.9	328	31.9	01/29/18 16:48	
4-Nitroaniline	ug/kg	<84.6	657	84.6	01/29/18 16:48	
4-Nitrophenol	ug/kg	<51.8	1660	51.8	01/29/18 16:48	
Acenaphthene	ug/kg	<34.8	328	34.8	01/29/18 16:48	
Acenaphthylene	ug/kg	<30.9	328	30.9	01/29/18 16:48	
Anthracene	ug/kg	<34.8	328	34.8	01/29/18 16:48	
Benzo(a)anthracene	ug/kg	<29.9	328	29.9	01/29/18 16:48	
Benzo(a)pyrene	ug/kg	<25.9	328	25.9	01/29/18 16:48	
Benzo(b)fluoranthene	ug/kg	<22.9	328	22.9	01/29/18 16:48	
Benzo(g,h,i)perylene	ug/kg	<31.9	328	31.9	01/29/18 16:48	
Benzo(k)fluoranthene	ug/kg	<38.8	328	38.8	01/29/18 16:48	
Benzoic acid	ug/kg	<30.9	1660	30.9	01/29/18 16:48	
Benzyl alcohol	ug/kg	<103	657	103	01/29/18 16:48	
bis(2-Chloroethoxy)methane	ug/kg	<25.9	328	25.9	01/29/18 16:48	
bis(2-Chloroethyl) ether	ug/kg	<25.9	328	25.9	01/29/18 16:48	
bis(2-Chloroisopropyl) ether	ug/kg	<25.9	328	25.9	01/29/18 16:48	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

METHOD BLANK: 2095379 Matrix: Solid
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644008, 60262644009, 60262644010, 60262644011, 60262644012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/kg	<113	328	113	01/29/18 16:48	
Butylbenzylphthalate	ug/kg	<42.8	328	42.8	01/29/18 16:48	
Carbazole	ug/kg	<26.9	328	26.9	01/29/18 16:48	
Chrysene	ug/kg	<27.9	328	27.9	01/29/18 16:48	
Di-n-butylphthalate	ug/kg	<34.8	328	34.8	01/29/18 16:48	
Di-n-octylphthalate	ug/kg	<38.8	328	38.8	01/29/18 16:48	
Dibenz(a,h)anthracene	ug/kg	<29.9	328	29.9	01/29/18 16:48	
Dibenzofuran	ug/kg	<29.9	328	29.9	01/29/18 16:48	
Diethylphthalate	ug/kg	<30.9	328	30.9	01/29/18 16:48	
Dimethylphthalate	ug/kg	<31.9	328	31.9	01/29/18 16:48	
Fluoranthene	ug/kg	<30.9	328	30.9	01/29/18 16:48	
Fluorene	ug/kg	<30.9	328	30.9	01/29/18 16:48	
Hexachloro-1,3-butadiene	ug/kg	<32.8	328	32.8	01/29/18 16:48	
Hexachlorobenzene	ug/kg	<31.9	328	31.9	01/29/18 16:48	
Hexachlorocyclopentadiene	ug/kg	<69.7	328	69.7	01/29/18 16:48	
Hexachloroethane	ug/kg	<24.9	328	24.9	01/29/18 16:48	
Indeno(1,2,3-cd)pyrene	ug/kg	<35.8	328	35.8	01/29/18 16:48	
Isophorone	ug/kg	<29.9	328	29.9	01/29/18 16:48	
N-Nitroso-di-n-propylamine	ug/kg	<32.8	328	32.8	01/29/18 16:48	
N-Nitrosodiphenylamine	ug/kg	<25.9	328	25.9	01/29/18 16:48	
Naphthalene	ug/kg	<25.9	328	25.9	01/29/18 16:48	
Nitrobenzene	ug/kg	<30.9	328	30.9	01/29/18 16:48	
Pentachlorophenol	ug/kg	<30.9	1660	30.9	01/29/18 16:48	
Phenanthrene	ug/kg	<30.9	328	30.9	01/29/18 16:48	
Phenol	ug/kg	<25.9	328	25.9	01/29/18 16:48	
Pyrene	ug/kg	<32.8	328	32.8	01/29/18 16:48	
Pyridine	ug/kg	<26.9	328	26.9	01/29/18 16:48	
2,4,6-Tribromophenol (S)	%	95	39-114		01/29/18 16:48	
2-Fluorobiphenyl (S)	%	77	61-109		01/29/18 16:48	
2-Fluorophenol (S)	%	77	46-102		01/29/18 16:48	
Nitrobenzene-d5 (S)	%	74	41-114		01/29/18 16:48	
Phenol-d6 (S)	%	77	48-102		01/29/18 16:48	
Terphenyl-d14 (S)	%	77	48-120		01/29/18 16:48	

LABORATORY CONTROL SAMPLE: 2095380

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1660	1440	87	55-105	
1,2-Dichlorobenzene	ug/kg	1660	1320	79	55-100	
1,3-Dichlorobenzene	ug/kg	1660	1280	77	53-100	
1,4-Dichlorobenzene	ug/kg	1660	1310	79	54-100	
2,4,5-Trichlorophenol	ug/kg	1660	1430	86	55-113	
2,4,6-Trichlorophenol	ug/kg	1660	1410	85	56-111	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

LABORATORY CONTROL SAMPLE: 2095380

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dichlorophenol	ug/kg	1660	1440	87	58-108	
2,4-Dimethylphenol	ug/kg	1660	1220	73	54-107	
2,4-Dinitrophenol	ug/kg	1660	1300J	78	11-133	
2,4-Dinitrotoluene	ug/kg	1660	1380	83	57-114	
2,6-Dinitrotoluene	ug/kg	1660	1400	84	56-113	
2-Chloronaphthalene	ug/kg	1660	1320	79	54-107	
2-Chlorophenol	ug/kg	1660	1280	77	57-104	
2-Methylnaphthalene	ug/kg	1660	1340	80	57-105	
2-Methylphenol(o-Cresol)	ug/kg	1660	1280	77	57-104	
2-Nitroaniline	ug/kg	1660	1260	76	46-124	
2-Nitrophenol	ug/kg	1660	1410	85	51-113	
3&4-Methylphenol(m&p Cresol)	ug/kg	1660	1280	77	57-105	
3,3'-Dichlorobenzidine	ug/kg	1660	1180	71	3-152	
3-Nitroaniline	ug/kg	1660	975	59	29-122	
4,6-Dinitro-2-methylphenol	ug/kg	1660	1400J	84	22-125	
4-Bromophenylphenyl ether	ug/kg	1660	1430	86	57-110	
4-Chloro-3-methylphenol	ug/kg	1660	1380	83	61-108	
4-Chloroaniline	ug/kg	1660	721	43	10-112	
4-Chlorophenylphenyl ether	ug/kg	1660	1420	86	57-109	
4-Nitroaniline	ug/kg	1660	1300	78	47-117	
4-Nitrophenol	ug/kg	1660	1260J	76	53-118	
Acenaphthene	ug/kg	1660	1290	78	56-108	
Acenaphthylene	ug/kg	1660	1300	78	56-107	
Anthracene	ug/kg	1660	1350	81	58-111	
Benzo(a)anthracene	ug/kg	1660	1380	83	58-111	
Benzo(a)pyrene	ug/kg	1660	1390	84	58-109	
Benzo(b)fluoranthene	ug/kg	1660	1410	85	58-113	
Benzo(g,h,i)perylene	ug/kg	1660	1370	82	54-108	
Benzo(k)fluoranthene	ug/kg	1660	1380	83	56-111	
Benzoic acid	ug/kg	1660	935J	56	10-105	
Benzyl alcohol	ug/kg	1660	1330	80	58-106	
bis(2-Chloroethoxy)methane	ug/kg	1660	1290	78	56-104	
bis(2-Chloroethyl) ether	ug/kg	1660	1280	77	53-103	
bis(2-Chloroisopropyl) ether	ug/kg	1660	1060	64	55-102	
bis(2-Ethylhexyl)phthalate	ug/kg	1660	1340	81	58-117	
Butylbenzylphthalate	ug/kg	1660	1320	80	58-115	
Carbazole	ug/kg	1660	1330	80	58-112	
Chrysene	ug/kg	1660	1370	82	57-112	
Di-n-butylphthalate	ug/kg	1660	1330	80	61-112	
Di-n-octylphthalate	ug/kg	1660	1340	80	55-122	
Dibenz(a,h)anthracene	ug/kg	1660	1390	83	54-111	
Dibenzofuran	ug/kg	1660	1330	80	55-109	
Diethylphthalate	ug/kg	1660	1310	79	59-108	
Dimethylphthalate	ug/kg	1660	1330	80	58-106	
Fluoranthene	ug/kg	1660	1430	86	62-110	
Fluorene	ug/kg	1660	1360	82	57-109	
Hexachloro-1,3-butadiene	ug/kg	1660	1520	92	56-103	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

LABORATORY CONTROL SAMPLE: 2095380

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorobenzene	ug/kg	1660	1450	87	56-111	
Hexachlorocyclopentadiene	ug/kg	3320	1820	55	22-62	
Hexachloroethane	ug/kg	1660	1250	75	54-99	
Indeno(1,2,3-cd)pyrene	ug/kg	1660	1360	82	54-109	
Isophorone	ug/kg	1660	1250	75	57-100	
N-Nitroso-di-n-propylamine	ug/kg	1660	1230	74	57-98	
N-Nitrosodiphenylamine	ug/kg	1660	1380	83	58-109	
Naphthalene	ug/kg	1660	1330	80	56-104	
Nitrobenzene	ug/kg	1660	1300	78	57-104	
Pentachlorophenol	ug/kg	1660	1560J	94	46-118	
Phenanthrene	ug/kg	1660	1330	80	57-111	
Phenol	ug/kg	1660	1210	73	55-105	
Pyrene	ug/kg	1660	1320	80	58-112	
Pyridine	ug/kg	1660	922	55	41-71	
2,4,6-Tribromophenol (S)	%			102	39-114	
2-Fluorobiphenyl (S)	%			78	61-109	
2-Fluorophenol (S)	%			80	46-102	
Nitrobenzene-d5 (S)	%			77	41-114	
Phenol-d6 (S)	%			80	48-102	
Terphenyl-d14 (S)	%			85	48-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2095381 2095382

Parameter	Units	60262644001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	<36.9	2060	2090	1610	1540	79	74	49-100	5	26	
1,2-Dichlorobenzene	ug/kg	<30.8	2060	2090	1430	1340	70	64	48-98	6	26	
1,3-Dichlorobenzene	ug/kg	<34.5	2060	2090	1380	1280	67	61	48-95	8	26	
1,4-Dichlorobenzene	ug/kg	<35.7	2060	2090	1420	1310	69	63	48-96	8	26	
2,4,5-Trichlorophenol	ug/kg	<36.9	2060	2090	1620	1630	79	78	51-111	1	27	
2,4,6-Trichlorophenol	ug/kg	<38.2	2060	2090	1590	1600	77	77	44-112	1	29	
2,4-Dichlorophenol	ug/kg	<36.9	2060	2090	1590	1570	77	75	51-105	1	27	
2,4-Dimethylphenol	ug/kg	<22.2	2060	2090	1270	1230	62	59	18-118	3	34	
2,4-Dinitrophenol	ug/kg	<59.1	2060	2090	878J	731J	43	35	10-131		12	
2,4-Dinitrotoluene	ug/kg	<34.5	2060	2090	1650	1590	80	76	25-132	4	27	
2,6-Dinitrotoluene	ug/kg	<41.9	2060	2090	1640	1580	80	76	31-125	4	27	
2-Chloronaphthalene	ug/kg	<34.5	2060	2090	1560	1480	76	71	47-106	6	29	
2-Chlorophenol	ug/kg	<33.3	2060	2090	1380	1320	67	63	47-103	5	28	
2-Methylnaphthalene	ug/kg	41.2J	2060	2090	1580	1500	75	70	48-105	6	29	
2-Methylphenol(o-Cresol)	ug/kg	<38.2	2060	2090	1370	1290	67	62	40-105	6	28	
2-Nitroaniline	ug/kg	<69.0	2060	2090	1480	1430	72	69	38-130	4	27	
2-Nitrophenol	ug/kg	<56.6	2060	2090	1470	1470	71	70	22-129	0	29	
3&4-Methylphenol(m&p Cresol)	ug/kg	<44.3	2060	2090	1410	1320	68	63	37-110	6	27	
3,3'-Dichlorobenzidine	ug/kg	<139	2060	2090	112J	264J	5	13	10-138		38	M1

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2095381 2095382

Parameter	Units	60262644001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
3-Nitroaniline	ug/kg	<123	2060	2090	908	1020	44	49	23-126	12	32	
4,6-Dinitro-2-methylphenol	ug/kg	<54.2	2060	2090	1040J	888J	50	43	10-139		67	
4-Bromophenylphenyl ether	ug/kg	<32.0	2060	2090	1690	1600	82	77	51-108	5	28	
4-Chloro-3-methylphenol	ug/kg	<44.3	2060	2090	1620	1530	79	73	50-108	6	30	
4-Chloroaniline	ug/kg	<80.0	2060	2090	609J	674J	30	32	17-91		32	
4-Chlorophenylphenyl ether	ug/kg	<39.4	2060	2090	1700	1640	83	79	48-107	4	27	
4-Nitroaniline	ug/kg	<105	2060	2090	1060	1160	51	56	20-122	9	28	
4-Nitrophenol	ug/kg	<64.0	2060	2090	1420J	1440J	69	69	47-113		26	
Acenaphthene	ug/kg	<43.1	2060	2090	1560	1520	76	73	43-112	2	27	
Acenaphthylene	ug/kg	<38.2	2060	2090	1560	1490	76	72	45-108	4	27	
Anthracene	ug/kg	69.2J	2060	2090	1610	1590	75	73	39-118	2	27	
Benzo(a)anthracene	ug/kg	299J	2060	2090	1800	1950	73	79	43-112	8	29	
Benzo(a)pyrene	ug/kg	380J	2060	2090	1770	2040	68	79	39-112	14	30	
Benzo(b)fluoranthene	ug/kg	521	2060	2090	1960	2160	70	79	41-114	10	33	
Benzo(g,h,i)perylene	ug/kg	335J	2060	2090	1570	1760	60	68	30-111	11	31	
Benzo(k)fluoranthene	ug/kg	197J	2060	2090	1600	1680	68	71	33-120	5	28	
Benzoic acid	ug/kg	<38.2	2060	2090	469J	440J	23	21	10-126		17	
Benzyl alcohol	ug/kg	<127	2060	2090	1570	1440	76	69	50-109	9	27	
bis(2-Chloroethoxy)methane	ug/kg	<32.0	2060	2090	1460	1370	71	66	48-101	6	27	
bis(2-Chloroethyl) ether	ug/kg	<32.0	2060	2090	1470	1350	71	65	47-102	8	26	
bis(2-Chloroisopropyl) ether	ug/kg	<32.0	2060	2090	1180	1080	57	52	44-103	9	25	
bis(2-Ethylhexyl)phthalate	ug/kg	<140	2060	2090	1680	1650	82	79	41-132	2	25	
Butylbenzylphthalate	ug/kg	<53.0	2060	2090	1610	1580	78	76	42-133	2	26	
Carbazole	ug/kg	<33.3	2060	2090	1540	1510	75	72	45-110	2	25	
Chrysene	ug/kg	336J	2060	2090	1830	1960	73	78	45-110	7	29	
Di-n-butylphthalate	ug/kg	<43.1	2060	2090	1600	1540	78	74	49-115	4	27	
Di-n-octylphthalate	ug/kg	<48.0	2060	2090	1640	1570	80	75	41-138	4	25	
Dibenz(a,h)anthracene	ug/kg	93.6J	2060	2090	1580	1610	72	73	39-110	2	29	
Dibenzofuran	ug/kg	<36.9	2060	2090	1590	1530	77	73	47-107	4	27	
Diethylphthalate	ug/kg	<38.2	2060	2090	1570	1500	76	72	48-108	4	26	
Dimethylphthalate	ug/kg	<39.4	2060	2090	1550	1490	75	71	47-106	4	26	
Fluoranthene	ug/kg	539	2060	2090	2070	2170	74	78	34-121	5	34	
Fluorene	ug/kg	<38.2	2060	2090	1640	1580	80	76	42-112	3	28	
Hexachloro-1,3-butadiene	ug/kg	<40.6	2060	2090	1670	1600	81	77	48-100	4	27	
Hexachlorobenzene	ug/kg	<39.4	2060	2090	1660	1660	81	80	47-107	0	27	
Hexachlorocyclopentadiene	ug/kg	<86.2	4110	4170	1570	1510	38	36	10-68	4	36	
Hexachloroethane	ug/kg	<30.8	2060	2090	1370	1260	67	61	37-101	8	29	
Indeno(1,2,3-cd)pyrene	ug/kg	287J	2060	2090	1620	1800	65	72	32-113	10	29	
Isophorone	ug/kg	<36.9	2060	2090	1410	1330	69	64	47-99	6	27	
N-Nitroso-di-n-propylamine	ug/kg	<40.6	2060	2090	1420	1310	69	63	45-105	8	27	
N-Nitrosodiphenylamine	ug/kg	<32.0	2060	2090	1650	1580	80	76	43-110	4	28	
Naphthalene	ug/kg	43.0J	2060	2090	1520	1440	72	67	46-106	5	28	
Nitrobenzene	ug/kg	<38.2	2060	2090	1440	1360	70	65	45-105	5	29	
Pentachlorophenol	ug/kg	<38.2	2060	2090	1390J	1360J	67	65	27-124		18	
Phenanthrene	ug/kg	256J	2060	2090	1800	1830	75	75	49-110	1	26	
Phenol	ug/kg	<32.0	2060	2090	1330	1230	65	59	45-103	7	27	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2095381 2095382

Parameter	Units	60262644001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Pyrene	ug/kg	465	2060	2090	1940	2080	72	78	47-117	7	30	
Pyridine	ug/kg	<33.3	2060	2090	807	733	39	35	10-85	10	28	
2,4,6-Tribromophenol (S)	%						90	91	39-114			
2-Fluorobiphenyl (S)	%						75	69	61-109			
2-Fluorophenol (S)	%						66	62	46-102			
Nitrobenzene-d5 (S)	%						69	64	41-114			
Phenol-d6 (S)	%						71	65	48-102			
Terphenyl-d14 (S)	%						83	80	48-120			

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 512424
QC Batch Method: EPA 3546
Analysis Method: EPA 8270
Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 60262644007

METHOD BLANK: 2097904
Matrix: Solid
Associated Lab Samples: 60262644007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	<29.9	329	29.9	01/31/18 16:42	
1,2-Dichlorobenzene	ug/kg	<24.9	329	24.9	01/31/18 16:42	
1,3-Dichlorobenzene	ug/kg	<27.9	329	27.9	01/31/18 16:42	
1,4-Dichlorobenzene	ug/kg	<28.9	329	28.9	01/31/18 16:42	
2,4,5-Trichlorophenol	ug/kg	<29.9	329	29.9	01/31/18 16:42	
2,4,6-Trichlorophenol	ug/kg	<30.9	329	30.9	01/31/18 16:42	
2,4-Dichlorophenol	ug/kg	<29.9	329	29.9	01/31/18 16:42	
2,4-Dimethylphenol	ug/kg	<18.0	329	18.0	01/31/18 16:42	
2,4-Dinitrophenol	ug/kg	<47.9	1670	47.9	01/31/18 16:42	
2,4-Dinitrotoluene	ug/kg	<27.9	329	27.9	01/31/18 16:42	
2,6-Dinitrotoluene	ug/kg	<33.9	329	33.9	01/31/18 16:42	
2-Chloronaphthalene	ug/kg	<27.9	329	27.9	01/31/18 16:42	
2-Chlorophenol	ug/kg	<26.9	329	26.9	01/31/18 16:42	
2-Methylnaphthalene	ug/kg	<23.9	329	23.9	01/31/18 16:42	
2-Methylphenol(o-Cresol)	ug/kg	<30.9	329	30.9	01/31/18 16:42	
2-Nitroaniline	ug/kg	<55.9	658	55.9	01/31/18 16:42	
2-Nitrophenol	ug/kg	<45.9	329	45.9	01/31/18 16:42	
3&4-Methylphenol(m&p Cresol)	ug/kg	<35.9	329	35.9	01/31/18 16:42	
3,3'-Dichlorobenzidine	ug/kg	<113	658	113	01/31/18 16:42	
3-Nitroaniline	ug/kg	<99.7	658	99.7	01/31/18 16:42	
4,6-Dinitro-2-methylphenol	ug/kg	<43.9	1670	43.9	01/31/18 16:42	
4-Bromophenylphenyl ether	ug/kg	<25.9	329	25.9	01/31/18 16:42	
4-Chloro-3-methylphenol	ug/kg	<35.9	658	35.9	01/31/18 16:42	
4-Chloroaniline	ug/kg	<64.8	658	64.8	01/31/18 16:42	
4-Chlorophenylphenyl ether	ug/kg	<31.9	329	31.9	01/31/18 16:42	
4-Nitroaniline	ug/kg	<84.8	658	84.8	01/31/18 16:42	
4-Nitrophenol	ug/kg	<51.9	1670	51.9	01/31/18 16:42	
Acenaphthene	ug/kg	<34.9	329	34.9	01/31/18 16:42	
Acenaphthylene	ug/kg	<30.9	329	30.9	01/31/18 16:42	
Anthracene	ug/kg	<34.9	329	34.9	01/31/18 16:42	
Benzo(a)anthracene	ug/kg	<29.9	329	29.9	01/31/18 16:42	
Benzo(a)pyrene	ug/kg	<25.9	329	25.9	01/31/18 16:42	
Benzo(b)fluoranthene	ug/kg	<22.9	329	22.9	01/31/18 16:42	
Benzo(g,h,i)perylene	ug/kg	<31.9	329	31.9	01/31/18 16:42	
Benzo(k)fluoranthene	ug/kg	<38.9	329	38.9	01/31/18 16:42	
Benzoic acid	ug/kg	<30.9	1670	30.9	01/31/18 16:42	
Benzyl alcohol	ug/kg	<103	658	103	01/31/18 16:42	
bis(2-Chloroethoxy)methane	ug/kg	<25.9	329	25.9	01/31/18 16:42	
bis(2-Chloroethyl) ether	ug/kg	<25.9	329	25.9	01/31/18 16:42	
bis(2-Chloroisopropyl) ether	ug/kg	<25.9	329	25.9	01/31/18 16:42	
bis(2-Ethylhexyl)phthalate	ug/kg	<114	329	114	01/31/18 16:42	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

METHOD BLANK: 2097904 Matrix: Solid
Associated Lab Samples: 60262644007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Butylbenzylphthalate	ug/kg	<42.9	329	42.9	01/31/18 16:42	
Carbazole	ug/kg	<26.9	329	26.9	01/31/18 16:42	
Chrysene	ug/kg	<27.9	329	27.9	01/31/18 16:42	
Di-n-butylphthalate	ug/kg	<34.9	329	34.9	01/31/18 16:42	
Di-n-octylphthalate	ug/kg	<38.9	329	38.9	01/31/18 16:42	
Dibenz(a,h)anthracene	ug/kg	<29.9	329	29.9	01/31/18 16:42	
Dibenzofuran	ug/kg	<29.9	329	29.9	01/31/18 16:42	
Diethylphthalate	ug/kg	<30.9	329	30.9	01/31/18 16:42	
Dimethylphthalate	ug/kg	<31.9	329	31.9	01/31/18 16:42	
Fluoranthene	ug/kg	<30.9	329	30.9	01/31/18 16:42	
Fluorene	ug/kg	<30.9	329	30.9	01/31/18 16:42	
Hexachloro-1,3-butadiene	ug/kg	<32.9	329	32.9	01/31/18 16:42	
Hexachlorobenzene	ug/kg	<31.9	329	31.9	01/31/18 16:42	
Hexachlorocyclopentadiene	ug/kg	<69.8	329	69.8	01/31/18 16:42	
Hexachloroethane	ug/kg	<24.9	329	24.9	01/31/18 16:42	
Indeno(1,2,3-cd)pyrene	ug/kg	<35.9	329	35.9	01/31/18 16:42	
Isophorone	ug/kg	<29.9	329	29.9	01/31/18 16:42	
N-Nitroso-di-n-propylamine	ug/kg	<32.9	329	32.9	01/31/18 16:42	
N-Nitrosodiphenylamine	ug/kg	<25.9	329	25.9	01/31/18 16:42	
Naphthalene	ug/kg	<25.9	329	25.9	01/31/18 16:42	
Nitrobenzene	ug/kg	<30.9	329	30.9	01/31/18 16:42	
Pentachlorophenol	ug/kg	<30.9	1670	30.9	01/31/18 16:42	
Phenanthrene	ug/kg	<30.9	329	30.9	01/31/18 16:42	
Phenol	ug/kg	<25.9	329	25.9	01/31/18 16:42	
Pyrene	ug/kg	<32.9	329	32.9	01/31/18 16:42	
Pyridine	ug/kg	<26.9	329	26.9	01/31/18 16:42	
2,4,6-Tribromophenol (S)	%	106	39-114		01/31/18 16:42	
2-Fluorobiphenyl (S)	%	94	61-109		01/31/18 16:42	
2-Fluorophenol (S)	%	93	46-102		01/31/18 16:42	
Nitrobenzene-d5 (S)	%	89	41-114		01/31/18 16:42	
Phenol-d6 (S)	%	95	48-102		01/31/18 16:42	
Terphenyl-d14 (S)	%	96	48-120		01/31/18 16:42	

LABORATORY CONTROL SAMPLE: 2097905

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1620	1240	76	55-105	
1,2-Dichlorobenzene	ug/kg	1620	1220	75	55-100	
1,3-Dichlorobenzene	ug/kg	1620	1200	74	53-100	
1,4-Dichlorobenzene	ug/kg	1620	1200	74	54-100	
2,4,5-Trichlorophenol	ug/kg	1620	1350	83	55-113	
2,4,6-Trichlorophenol	ug/kg	1620	1330	82	56-111	
2,4-Dichlorophenol	ug/kg	1620	1270	79	58-108	
2,4-Dimethylphenol	ug/kg	1620	1190	74	54-107	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

LABORATORY CONTROL SAMPLE: 2097905

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	ug/kg	1620	1080J	66	11-133	
2,4-Dinitrotoluene	ug/kg	1620	1380	85	57-114	
2,6-Dinitrotoluene	ug/kg	1620	1360	84	56-113	
2-Chloronaphthalene	ug/kg	1620	1280	79	54-107	
2-Chlorophenol	ug/kg	1620	1270	78	57-104	
2-Methylnaphthalene	ug/kg	1620	1220	75	57-105	
2-Methylphenol(o-Cresol)	ug/kg	1620	1250	77	57-104	
2-Nitroaniline	ug/kg	1620	1350	83	46-124	
2-Nitrophenol	ug/kg	1620	1290	79	51-113	
3&4-Methylphenol(m&p Cresol)	ug/kg	1620	1250	77	57-105	
3,3'-Dichlorobenzidine	ug/kg	1620	1150	71	3-152	
3-Nitroaniline	ug/kg	1620	1320	82	29-122	
4,6-Dinitro-2-methylphenol	ug/kg	1620	1290J	79	22-125	
4-Bromophenylphenyl ether	ug/kg	1620	1340	83	57-110	
4-Chloro-3-methylphenol	ug/kg	1620	1300	80	61-108	
4-Chloroaniline	ug/kg	1620	1080	66	10-112	
4-Chlorophenylphenyl ether	ug/kg	1620	1320	82	57-109	
4-Nitroaniline	ug/kg	1620	1350	83	47-117	
4-Nitrophenol	ug/kg	1620	1320J	81	53-118	
Acenaphthene	ug/kg	1620	1290	79	56-108	
Acenaphthylene	ug/kg	1620	1270	78	56-107	
Anthracene	ug/kg	1620	1330	82	58-111	
Benzo(a)anthracene	ug/kg	1620	1360	84	58-111	
Benzo(a)pyrene	ug/kg	1620	1380	85	58-109	
Benzo(b)fluoranthene	ug/kg	1620	1400	86	58-113	
Benzo(g,h,i)perylene	ug/kg	1620	1310	80	54-108	
Benzo(k)fluoranthene	ug/kg	1620	1350	83	56-111	
Benzoic acid	ug/kg	1620	836J	51	10-105	
Benzyl alcohol	ug/kg	1620	1300	80	58-106	
bis(2-Chloroethoxy)methane	ug/kg	1620	1210	75	56-104	
bis(2-Chloroethyl) ether	ug/kg	1620	1190	74	53-103	
bis(2-Chloroisopropyl) ether	ug/kg	1620	1170	72	55-102	
bis(2-Ethylhexyl)phthalate	ug/kg	1620	1320	82	58-117	
Butylbenzylphthalate	ug/kg	1620	1310	81	58-115	
Carbazole	ug/kg	1620	1330	82	58-112	
Chrysene	ug/kg	1620	1340	83	57-112	
Di-n-butylphthalate	ug/kg	1620	1350	83	61-112	
Di-n-octylphthalate	ug/kg	1620	1360	84	55-122	
Dibenz(a,h)anthracene	ug/kg	1620	1320	81	54-111	
Dibenzofuran	ug/kg	1620	1290	79	55-109	
Diethylphthalate	ug/kg	1620	1280	79	59-108	
Dimethylphthalate	ug/kg	1620	1300	80	58-106	
Fluoranthene	ug/kg	1620	1370	84	62-110	
Fluorene	ug/kg	1620	1290	80	57-109	
Hexachloro-1,3-butadiene	ug/kg	1620	1260	77	56-103	
Hexachlorobenzene	ug/kg	1620	1390	86	56-111	
Hexachlorocyclopentadiene	ug/kg	3250	1470	45	22-62	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

LABORATORY CONTROL SAMPLE: 2097905

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachloroethane	ug/kg	1620	1190	73	54-99	
Indeno(1,2,3-cd)pyrene	ug/kg	1620	1320	81	54-109	
Isophorone	ug/kg	1620	1200	74	57-100	
N-Nitroso-di-n-propylamine	ug/kg	1620	1210	75	57-98	
N-Nitrosodiphenylamine	ug/kg	1620	1330	82	58-109	
Naphthalene	ug/kg	1620	1230	76	56-104	
Nitrobenzene	ug/kg	1620	1230	76	57-104	
Pentachlorophenol	ug/kg	1620	1410J	87	46-118	
Phenanthrene	ug/kg	1620	1330	82	57-111	
Phenol	ug/kg	1620	1260	77	55-105	
Pyrene	ug/kg	1620	1310	81	58-112	
Pyridine	ug/kg	1620	903	56	41-71	
2,4,6-Tribromophenol (S)	%			95	39-114	
2-Fluorobiphenyl (S)	%			82	61-109	
2-Fluorophenol (S)	%			82	46-102	
Nitrobenzene-d5 (S)	%			77	41-114	
Phenol-d6 (S)	%			82	48-102	
Terphenyl-d14 (S)	%			87	48-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2097906 2097907

Parameter	Units	60262831016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	<1570	18300	18300	9570J	7690J	52	42	49-100		26	M1
1,2-Dichlorobenzene	ug/kg	<1310	18300	18300	8710J	6830J	48	37	48-98		26	M1
1,3-Dichlorobenzene	ug/kg	<1470	18300	18300	8050J	6620J	44	36	48-95		26	M1
1,4-Dichlorobenzene	ug/kg	<1520	18300	18300	8090J	6610J	44	36	48-96		26	M1
2,4,5-Trichlorophenol	ug/kg	<1570	18300	18300	9770J	7720J	53	42	51-111		27	M1
2,4,6-Trichlorophenol	ug/kg	<1620	18300	18300	9900J	7650J	54	42	44-112		29	M1
2,4-Dichlorophenol	ug/kg	<1570	18300	18300	9080J	7260J	50	40	51-105		27	M1
2,4-Dimethylphenol	ug/kg	<943	18300	18300	8830J	7280J	48	40	18-118		34	
2,4-Dinitrophenol	ug/kg	<2520	18300	18300	<54.9	<54.8	0	0	10-131		12	M1
2,4-Dinitrotoluene	ug/kg	<1470	18300	18300	8820J	6700J	48	37	25-132		27	
2,6-Dinitrotoluene	ug/kg	<1780	18300	18300	8520J	6610J	47	36	31-125		27	
2-Chloronaphthalene	ug/kg	<1470	18300	18300	9510J	7670J	52	42	47-106		29	M1
2-Chlorophenol	ug/kg	<1410	18300	18300	8780J	6980J	48	38	47-103		28	M1
2-Methylnaphthalene	ug/kg	<1260	18300	18300	9230J	7280J	50	40	48-105		29	M1
2-Methylphenol(o-Cresol)	ug/kg	<1620	18300	18300	9230J	7260J	50	40	40-105		28	
2-Nitroaniline	ug/kg	<2930	18300	18300	9660J	8590J	53	47	38-130		27	
2-Nitrophenol	ug/kg	<2410	18300	18300	8900J	6200J	49	34	22-129		29	
3&4-Methylphenol(m&p Cresol)	ug/kg	<1890	18300	18300	14200J	11100J	78	61	37-110		27	
3,3'-Dichlorobenzidine	ug/kg	<5920	18300	18300	<54.9	<54.8	0	0	10-138		38	M1
3-Nitroaniline	ug/kg	<5240	18300	18300	6800J	5750J	37	32	23-126		32	
4,6-Dinitro-2-methylphenol	ug/kg	<2310	18300	18300	<54.9	<54.8	0	0	10-139		67	M1

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2097906 2097907

Parameter	Units	60262831016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Bromophenylphenyl ether	ug/kg	<1360	18300	18300	10100J	7910J	55	43	51-108		28	M1
4-Chloro-3-methylphenol	ug/kg	<1890	18300	18300	9050J	7240J	49	40	50-108		30	M1
4-Chloroaniline	ug/kg	<3410	18300	18300	5050J	4070J	28	22	17-91		32	
4-Chlorophenylphenyl ether	ug/kg	<1680	18300	18300	9830J	8250J	54	45	48-107		27	M1
4-Nitroaniline	ug/kg	<4450	18300	18300	8380J	9320J	46	51	20-122		28	
4-Nitrophenol	ug/kg	<2730	18300	18300	11600J	9430J	64	52	47-113		26	
Acenaphthene	ug/kg	<1830	18300	18300	9520J	7710J	52	42	43-112		27	M1
Acenaphthylene	ug/kg	<1620	18300	18300	9530J	7730J	52	42	45-108		27	M1
Anthracene	ug/kg	<1830	18300	18300	9710J	7910J	53	43	39-118		27	
Benzo(a)anthracene	ug/kg	<1570	18300	18300	9580J	7930J	52	43	43-112		29	
Benzo(a)pyrene	ug/kg	<1360	18300	18300	9520J	7750J	52	42	39-112		30	
Benzo(b)fluoranthene	ug/kg	<1210	18300	18300	9880J	8270J	54	45	41-114		33	
Benzo(g,h,i)perylene	ug/kg	<1680	18300	18300	10100J	8070J	55	44	30-111		31	
Benzo(k)fluoranthene	ug/kg	<2040	18300	18300	9880J	7700J	54	42	33-120		28	
Benzoic acid	ug/kg	<1620	18300	18300	8590J	7790J	47	43	10-126		17	
Benzyl alcohol	ug/kg	<5400	18300	18300	8350J	6860J	46	38	50-109		27	M1
bis(2-Chloroethoxy)methane	ug/kg	<1360	18300	18300	8500J	6850J	46	38	48-101		27	M1
bis(2-Chloroethyl) ether	ug/kg	<1360	18300	18300	9160J	7450J	50	41	47-102		26	M1
bis(2-Chloroisopropyl) ether	ug/kg	<1360	18300	18300	8180J	6370J	45	35	44-103		25	M1
bis(2-Ethylhexyl)phthalate	ug/kg	<5970	18300	18300	17200J	14400J	66	51	41-132		25	
Butylbenzylphthalate	ug/kg	<2250	18300	18300	11700J	13100J	64	72	42-133		26	
Carbazole	ug/kg	<1410	18300	18300	9750J	7730J	53	42	45-110		25	M1
Chrysene	ug/kg	<1470	18300	18300	10000J	8420J	55	46	45-110		29	
Di-n-butylphthalate	ug/kg	<1830	18300	18300	10900J	8870J	60	49	49-115		27	
Di-n-octylphthalate	ug/kg	<2040	18300	18300	10900J	9000J	59	49	41-138		25	
Dibenz(a,h)anthracene	ug/kg	<1570	18300	18300	10600J	7740J	58	42	39-110		29	
Dibenzofuran	ug/kg	<1570	18300	18300	9540J	7890J	52	43	47-107		27	M1
Diethylphthalate	ug/kg	<1620	18300	18300	9750J	8070J	53	44	48-108		26	M1
Dimethylphthalate	ug/kg	<1680	18300	18300	9090J	7480J	50	41	47-106		26	M1
Fluoranthene	ug/kg	<1620	18300	18300	9480J	7770J	52	43	34-121		34	
Fluorene	ug/kg	<1620	18300	18300	9550J	7920J	52	43	42-112		28	
Hexachloro-1,3-butadiene	ug/kg	<1730	18300	18300	9530J	7110J	52	39	48-100		27	M1
Hexachlorobenzene	ug/kg	<1680	18300	18300	9800J	7360J	54	40	47-107		27	M1
Hexachlorocyclopentadiene	ug/kg	<3670	36500	36500	<54.9	<54.8	0	0	10-68		36	M1
Hexachloroethane	ug/kg	<1310	18300	18300	8280J	6250J	45	34	37-101		29	M1
Indeno(1,2,3-cd)pyrene	ug/kg	<1890	18300	18300	9890J	7710J	54	42	32-113		29	
Isophorone	ug/kg	<1570	18300	18300	8490J	6690J	46	37	47-99		27	M1
N-Nitroso-di-n-propylamine	ug/kg	<1730	18300	18300	8550J	7060J	47	39	45-105		27	M1
N-Nitrosodiphenylamine	ug/kg	<1360	18300	18300	9760J	8090J	53	44	43-110		28	
Naphthalene	ug/kg	<1360	18300	18300	9430J	7220J	52	40	46-106		28	M1
Nitrobenzene	ug/kg	<1620	18300	18300	9380J	7460J	51	41	45-105		29	M1
Pentachlorophenol	ug/kg	<1620	18300	18300	8260J	6420J	45	35	27-124		18	
Phenanthrene	ug/kg	<1620	18300	18300	9910J	7700J	54	42	49-110		26	M1
Phenol	ug/kg	<1360	18300	18300	8710J	7130J	48	39	45-103		27	M1
Pyrene	ug/kg	<1730	18300	18300	12200J	9870J	67	54	47-117		30	
Pyridine	ug/kg	<1410	18300	18300	6150J	5020J	34	27	10-85		28	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2097906 2097907

Parameter	Units	60262831016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4,6-Tribromophenol (S)	%						54	43	39-114			
2-Fluorobiphenyl (S)	%						51	43	61-109			S2
2-Fluorophenol (S)	%						49	37	46-102			S2
Nitrobenzene-d5 (S)	%						50	39	41-114			D3,S2
Phenol-d6 (S)	%						50	39	48-102			S2
Terphenyl-d14 (S)	%						59	48	48-120			

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 511741 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV, RV
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017, 60262644018

METHOD BLANK: 2095369 Matrix: Water
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017, 60262644018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<0.33	10.0	0.33	01/26/18 17:06	
1,2-Dichlorobenzene	ug/L	<0.29	10.0	0.29	01/26/18 17:06	
1,3-Dichlorobenzene	ug/L	<0.54	10.0	0.54	01/26/18 17:06	
1,4-Dichlorobenzene	ug/L	<0.41	10.0	0.41	01/26/18 17:06	
2,4,5-Trichlorophenol	ug/L	<0.33	50.0	0.33	01/26/18 17:06	
2,4,6-Trichlorophenol	ug/L	<0.39	10.0	0.39	01/26/18 17:06	
2,4-Dichlorophenol	ug/L	<0.52	10.0	0.52	01/26/18 17:06	
2,4-Dimethylphenol	ug/L	<0.60	10.0	0.60	01/26/18 17:06	
2,4-Dinitrophenol	ug/L	<8.4	50.0	8.4	01/26/18 17:06	
2,4-Dinitrotoluene	ug/L	<0.33	10.0	0.33	01/26/18 17:06	
2,6-Dinitrotoluene	ug/L	<0.28	10.0	0.28	01/26/18 17:06	
2-Chloronaphthalene	ug/L	<0.35	10.0	0.35	01/26/18 17:06	
2-Chlorophenol	ug/L	<0.30	10.0	0.30	01/26/18 17:06	
2-Methylnaphthalene	ug/L	<0.26	10.0	0.26	01/26/18 17:06	
2-Methylphenol(o-Cresol)	ug/L	<0.28	10.0	0.28	01/26/18 17:06	
2-Nitroaniline	ug/L	<0.42	50.0	0.42	01/26/18 17:06	
2-Nitrophenol	ug/L	<0.28	10.0	0.28	01/26/18 17:06	
3&4-Methylphenol(m&p Cresol)	ug/L	<5.0	10.0	5.0	01/26/18 17:06	
3,3'-Dichlorobenzidine	ug/L	<0.39	20.0	0.39	01/26/18 17:06	
3-Nitroaniline	ug/L	<0.35	50.0	0.35	01/26/18 17:06	
4,6-Dinitro-2-methylphenol	ug/L	<0.55	50.0	0.55	01/26/18 17:06	
4-Bromophenylphenyl ether	ug/L	<0.38	10.0	0.38	01/26/18 17:06	
4-Chloro-3-methylphenol	ug/L	<0.25	20.0	0.25	01/26/18 17:06	
4-Chloroaniline	ug/L	<0.52	20.0	0.52	01/26/18 17:06	
4-Chlorophenylphenyl ether	ug/L	<0.30	10.0	0.30	01/26/18 17:06	
4-Nitroaniline	ug/L	<0.35	50.0	0.35	01/26/18 17:06	
4-Nitrophenol	ug/L	<0.31	50.0	0.31	01/26/18 17:06	
Acenaphthene	ug/L	<0.36	10.0	0.36	01/26/18 17:06	
Acenaphthylene	ug/L	<0.38	10.0	0.38	01/26/18 17:06	
Anthracene	ug/L	<0.30	10.0	0.30	01/26/18 17:06	
Benzo(a)anthracene	ug/L	<0.29	10.0	0.29	01/26/18 17:06	
Benzo(a)pyrene	ug/L	<0.36	10.0	0.36	01/26/18 17:06	
Benzo(b)fluoranthene	ug/L	<0.35	10.0	0.35	01/26/18 17:06	
Benzo(g,h,i)perylene	ug/L	<0.40	10.0	0.40	01/26/18 17:06	
Benzo(k)fluoranthene	ug/L	<0.42	10.0	0.42	01/26/18 17:06	
Benzoic acid	ug/L	<2.5	50.0	2.5	01/26/18 17:06	
Benzyl alcohol	ug/L	<0.35	20.0	0.35	01/26/18 17:06	
bis(2-Chloroethoxy)methane	ug/L	<5.0	10.0	5.0	01/26/18 17:06	
bis(2-Chloroethyl) ether	ug/L	<0.29	10.0	0.29	01/26/18 17:06	
bis(2-Chloroisopropyl) ether	ug/L	<0.29	10.0	0.29	01/26/18 17:06	
bis(2-Ethylhexyl)phthalate	ug/L	<0.62	10.0	0.62	01/26/18 17:06	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

METHOD BLANK: 2095369 Matrix: Water
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017, 60262644018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Butylbenzylphthalate	ug/L	<0.40	10.0	0.40	01/26/18 17:06	
Carbazole	ug/L	<0.35	10.0	0.35	01/26/18 17:06	
Chrysene	ug/L	<0.36	10.0	0.36	01/26/18 17:06	
Di-n-butylphthalate	ug/L	<0.39	10.0	0.39	01/26/18 17:06	
Di-n-octylphthalate	ug/L	<0.50	10.0	0.50	01/26/18 17:06	
Dibenz(a,h)anthracene	ug/L	<0.45	10.0	0.45	01/26/18 17:06	
Dibenzofuran	ug/L	<0.39	10.0	0.39	01/26/18 17:06	
Diethylphthalate	ug/L	<0.45	10.0	0.45	01/26/18 17:06	
Dimethylphthalate	ug/L	<0.35	10.0	0.35	01/26/18 17:06	
Fluoranthene	ug/L	<0.37	10.0	0.37	01/26/18 17:06	
Fluorene	ug/L	<0.34	10.0	0.34	01/26/18 17:06	
Hexachloro-1,3-butadiene	ug/L	<0.38	10.0	0.38	01/26/18 17:06	
Hexachlorobenzene	ug/L	<0.30	10.0	0.30	01/26/18 17:06	
Hexachlorocyclopentadiene	ug/L	<0.35	10.0	0.35	01/26/18 17:06	
Hexachloroethane	ug/L	<0.29	10.0	0.29	01/26/18 17:06	
Indeno(1,2,3-cd)pyrene	ug/L	<0.32	10.0	0.32	01/26/18 17:06	
Isophorone	ug/L	<0.28	10.0	0.28	01/26/18 17:06	
N-Nitroso-di-n-propylamine	ug/L	<0.27	10.0	0.27	01/26/18 17:06	
N-Nitrosodiphenylamine	ug/L	<0.40	10.0	0.40	01/26/18 17:06	
Naphthalene	ug/L	<0.36	10.0	0.36	01/26/18 17:06	
Nitrobenzene	ug/L	<0.30	10.0	0.30	01/26/18 17:06	
Pentachlorophenol	ug/L	<0.31	50.0	0.31	01/26/18 17:06	
Phenanthrene	ug/L	<0.34	10.0	0.34	01/26/18 17:06	
Phenol	ug/L	<5.0	10.0	5.0	01/26/18 17:06	
Pyrene	ug/L	<0.28	10.0	0.28	01/26/18 17:06	
Pyridine	ug/L	<0.31	10.0	0.31	01/26/18 17:06	
2,4,6-Tribromophenol (S)	%	91	21-124		01/26/18 17:06	
2-Fluorobiphenyl (S)	%	69	30-103		01/26/18 17:06	
2-Fluorophenol (S)	%	53	10-68		01/26/18 17:06	
Nitrobenzene-d5 (S)	%	71	33-99		01/26/18 17:06	
Phenol-d6 (S)	%	41	10-56		01/26/18 17:06	
Terphenyl-d14 (S)	%	74	38-114		01/26/18 17:06	

LABORATORY CONTROL SAMPLE: 2095370

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	100	79.1	79	27-115	
1,2-Dichlorobenzene	ug/L	100	75.5	75	27-111	
1,3-Dichlorobenzene	ug/L	100	73.1	73	26-109	
1,4-Dichlorobenzene	ug/L	100	73.6	74	26-109	
2,4,5-Trichlorophenol	ug/L	100	88.7	89	30-128	
2,4,6-Trichlorophenol	ug/L	100	88.5	89	29-128	
2,4-Dichlorophenol	ug/L	100	85.6	86	29-121	
2,4-Dimethylphenol	ug/L	100	77.0	77	29-113	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

LABORATORY CONTROL SAMPLE: 2095370

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	ug/L	100	99.1	99	19-142	
2,4-Dinitrotoluene	ug/L	100	87.6	88	31-135	
2,6-Dinitrotoluene	ug/L	100	87.6	88	31-132	
2-Chloronaphthalene	ug/L	100	78.3	78	29-122	
2-Chlorophenol	ug/L	100	74.6	75	26-111	
2-Methylnaphthalene	ug/L	100	79.2	79	30-121	
2-Methylphenol(o-Cresol)	ug/L	100	72.3	72	26-100	
2-Nitroaniline	ug/L	100	80.6	81	30-132	
2-Nitrophenol	ug/L	100	88.1	88	27-128	
3&4-Methylphenol(m&p Cresol)	ug/L	100	69.3	69	22-95	
3,3'-Dichlorobenzidine	ug/L	100	98.5	99	18-189	
3-Nitroaniline	ug/L	100	79.8	80	31-149	
4,6-Dinitro-2-methylphenol	ug/L	100	97.7	98	25-141	
4-Bromophenylphenyl ether	ug/L	100	85.0	85	30-131	
4-Chloro-3-methylphenol	ug/L	100	82.6	83	29-124	
4-Chloroaniline	ug/L	100	64.7	65	26-142	
4-Chlorophenylphenyl ether	ug/L	100	84.2	84	31-127	
4-Nitroaniline	ug/L	100	87.8	88	29-136	
4-Nitrophenol	ug/L	100	48.4J	48	10-60	
Acenaphthene	ug/L	100	80.5	80	30-127	
Acenaphthylene	ug/L	100	79.6	80	29-126	
Anthracene	ug/L	100	80.8	81	32-131	
Benzo(a)anthracene	ug/L	100	84.1	84	32-131	
Benzo(a)pyrene	ug/L	100	76.8	77	30-131	
Benzo(b)fluoranthene	ug/L	100	87.6	88	31-134	
Benzo(g,h,i)perylene	ug/L	100	79.5	79	29-133	
Benzo(k)fluoranthene	ug/L	100	84.2	84	30-133	
Benzoic acid	ug/L	100	39.4J	39	10-64	
Benzyl alcohol	ug/L	100	70.1	70	19-106	
bis(2-Chloroethoxy)methane	ug/L	100	78.3	78	29-122	
bis(2-Chloroethyl) ether	ug/L	100	78.8	79	25-122	
bis(2-Chloroisopropyl) ether	ug/L	100	67.7	68	26-121	
bis(2-Ethylhexyl)phthalate	ug/L	100	83.1	83	34-139	
Butylbenzylphthalate	ug/L	100	83.8	84	30-142	
Carbazole	ug/L	100	82.6	83	31-133	
Chrysene	ug/L	100	82.7	83	32-133	
Di-n-butylphthalate	ug/L	100	83.8	84	35-135	
Di-n-octylphthalate	ug/L	100	88.4	88	31-139	
Dibenz(a,h)anthracene	ug/L	100	83.6	84	30-133	
Dibenzofuran	ug/L	100	79.0	79	30-126	
Diethylphthalate	ug/L	100	82.5	82	34-129	
Dimethylphthalate	ug/L	100	82.6	83	34-127	
Fluoranthene	ug/L	100	86.4	86	32-134	
Fluorene	ug/L	100	82.4	82	31-128	
Hexachloro-1,3-butadiene	ug/L	100	80.8	81	25-112	
Hexachlorobenzene	ug/L	100	88.1	88	30-130	
Hexachlorocyclopentadiene	ug/L	200	55.0	27	10-61	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

LABORATORY CONTROL SAMPLE: 2095370

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachloroethane	ug/L	100	71.7	72	24-107	
Indeno(1,2,3-cd)pyrene	ug/L	100	79.2	79	30-131	
Isophorone	ug/L	100	77.2	77	29-125	
N-Nitroso-di-n-propylamine	ug/L	100	77.4	77	29-123	
N-Nitrosodiphenylamine	ug/L	100	84.6	85	31-129	
Naphthalene	ug/L	100	78.2	78	30-118	
Nitrobenzene	ug/L	100	80.2	80	28-123	
Pentachlorophenol	ug/L	100	102	102	27-136	
Phenanthrene	ug/L	100	81.2	81	32-130	
Phenol	ug/L	100	44.7	45	10-61	
Pyrene	ug/L	100	80.6	81	32-132	
Pyridine	ug/L	100	18.2	18	10-66	
2,4,6-Tribromophenol (S)	%			105	21-124	
2-Fluorobiphenyl (S)	%			77	30-103	
2-Fluorophenol (S)	%			58	10-68	
Nitrobenzene-d5 (S)	%			78	33-99	
Phenol-d6 (S)	%			45	10-56	
Terphenyl-d14 (S)	%			87	38-114	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 511744 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 MSSV TPH ORO
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644007, 60262644008, 60262644009, 60262644010, 60262644011, 60262644012

METHOD BLANK: 2095388 Matrix: Solid
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644007, 60262644008, 60262644009, 60262644010, 60262644011, 60262644012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH-DRO	mg/kg	<1.2	14.9	1.2	01/27/18 13:12	
TPH-ORO	mg/kg	2.2J	14.9	1.2	01/27/18 13:12	
2-Fluorobiphenyl (S)	%	87	61-109		01/27/18 13:12	
Nitrobenzene-d5 (S)	%	82	41-114		01/27/18 13:12	
Terphenyl-d14 (S)	%	90	48-120		01/27/18 13:12	

LABORATORY CONTROL SAMPLE: 2095389

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/kg	332	249	75	56-129	
2-Fluorobiphenyl (S)	%			84	61-109	
Nitrobenzene-d5 (S)	%			73	41-114	
Terphenyl-d14 (S)	%			88	48-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2095390 2095391

Parameter	Units	60262644007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-DRO	mg/kg	13.7J	421	417	433	488	100	114	17-150	12	26	
2-Fluorobiphenyl (S)	%						69	79	61-109			
Nitrobenzene-d5 (S)	%						83	75	41-114			
Terphenyl-d14 (S)	%						59	59	48-120			

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 511740 Analysis Method: EPA 8270
QC Batch Method: EPA 3510C Analysis Description: 8270 MSSV TPH ORO
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017, 60262644018

METHOD BLANK: 2095367 Matrix: Water
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017, 60262644018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH-DRO	mg/L	<1.0	1.0	1.0	01/30/18 16:10	
TPH-ORO	mg/L	<1.0	1.0	1.0	01/30/18 16:10	
2-Fluorobiphenyl (S)	%	77	30-103		01/30/18 16:10	
Nitrobenzene-d5 (S)	%	72	33-99		01/30/18 16:10	
Terphenyl-d14 (S)	%	82	38-114		01/30/18 16:10	

LABORATORY CONTROL SAMPLE: 2095368

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/L	100	92.8	93	37-133	
2-Fluorobiphenyl (S)	%			79	30-103	
Nitrobenzene-d5 (S)	%			77	33-99	
Terphenyl-d14 (S)	%			92	38-114	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 512469 Analysis Method: ASTM D2974
QC Batch Method: ASTM D2974 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644007, 60262644008, 60262644009, 60262644010, 60262644011, 60262644012

METHOD BLANK: 2098146 Matrix: Solid
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644007, 60262644008, 60262644009, 60262644010, 60262644011, 60262644012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Percent Moisture	%	<0.50	0.50	0.50	01/31/18 00:00	

SAMPLE DUPLICATE: 2098147

Parameter	Units	60262572001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	22.3	21.2	5	20	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 511811 Analysis Method: SM 4500-H+B
QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH
Associated Lab Samples: 60262644013, 60262644014

SAMPLE DUPLICATE: 2095618

Parameter	Units	60260936001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.7	7.7	0	5	H6

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 512392 Analysis Method: SM 4500-H+B
QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH
Associated Lab Samples: 60262644015, 60262644016, 60262644017, 60262644018

SAMPLE DUPLICATE: 2097766

Parameter	Units	60262633002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.7	6.8	0	5	H6

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 512294 Analysis Method: EPA 9045
QC Batch Method: EPA 9045 Analysis Description: 9045 pH
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644007, 60262644008, 60262644009, 60262644010, 60262644011, 60262644012

SAMPLE DUPLICATE: 2097532

Parameter	Units	60262572002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.5	0	3	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 511806 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017, 60262644018

METHOD BLANK: 2095586 Matrix: Water
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644016, 60262644017, 60262644018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.050	0.10	0.050	01/25/18 13:20	

LABORATORY CONTROL SAMPLE: 2095587

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	1.9	96	90-110	

MATRIX SPIKE SAMPLE: 2095588

Parameter	Units	60262597001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	4.5	4	7.7	79	90-110	M1

SAMPLE DUPLICATE: 2095589

Parameter	Units	60262590001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	0.16	0.15	3	20	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 513167 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644007, 60262644008, 60262644009, 60262644010, 60262644011, 60262644012

METHOD BLANK: 2100692 Matrix: Solid
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644007, 60262644008, 60262644009, 60262644010, 60262644011, 60262644012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfate	mg/kg	<50.0	100	50.0	02/06/18 00:14	

LABORATORY CONTROL SAMPLE: 2100693

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/kg	500	499	100	80-120	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 513010 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644007, 60262644008, 60262644009, 60262644010, 60262644011, 60262644012

METHOD BLANK: 2100261 Matrix: Solid
Associated Lab Samples: 60262644001, 60262644002, 60262644003, 60262644004, 60262644005, 60262644006, 60262644007, 60262644008, 60262644009, 60262644010, 60262644011, 60262644012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrate as N	mg/kg	<5.0	10.0	5.0	02/06/18 00:14	
Nitrite as N	mg/kg	<5.0	10.0	5.0	02/06/18 00:14	

LABORATORY CONTROL SAMPLE: 2100262

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/kg	200	194	97	80-120	
Nitrite as N	mg/kg	200	192	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2100263 2100264

Parameter	Units	60262572006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/kg	124	255	255	392	386	105	103	80-120	1	15	
Nitrite as N	mg/kg	<6.4	255	255	265	256	104	100	80-120	3	15	

SAMPLE DUPLICATE: 2100265

Parameter	Units	60262572007 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrate as N	mg/kg	24.7	24.3	2	15	
Nitrite as N	mg/kg	<6.7	<6.7		15	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 512697 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644018

METHOD BLANK: 2098829 Matrix: Water
Associated Lab Samples: 60262644013, 60262644014, 60262644015, 60262644018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfate	mg/L	<0.50	1.0	0.50	02/02/18 13:37	

LABORATORY CONTROL SAMPLE: 2098830

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	5	5.1	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2098831 2098832

Parameter	Units	60262735006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	60.1	250	250	308	317	99	103	80-120	3	15	

SAMPLE DUPLICATE: 2098833

Parameter	Units	60262736009 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfate	mg/L		277	4	15	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 512966 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Associated Lab Samples: 60262644017

METHOD BLANK: 2100130 Matrix: Water
Associated Lab Samples: 60262644017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfate	mg/L	<0.50	1.0	0.50	02/04/18 20:05	

LABORATORY CONTROL SAMPLE: 2100131

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	5	5.0	100	80-120	

SAMPLE DUPLICATE: 2100134

Parameter	Units	2069357002 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfate	mg/L	1650	1600	3	15	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

QC Batch: 513106 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Associated Lab Samples: 60262644016

METHOD BLANK: 2100506 Matrix: Water
Associated Lab Samples: 60262644016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfate	mg/L	<0.50	1.0	0.50	02/06/18 11:14	

LABORATORY CONTROL SAMPLE: 2100507

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	5	4.9	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2100508 2100509

Parameter	Units	60262644016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	107	50	50	157	156	99	98	80-120	0	15	

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QUALIFIERS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

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 adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

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.

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-D	Pace Analytical Services - Dallas
PASI-K	Pace Analytical Services - Kansas City

BATCH QUALIFIERS

Batch: 511740
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 511741
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 511774
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 511785
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 511857
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 511875
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 512008
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

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QUALIFIERS

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

ANALYTE QUALIFIERS

1e	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
B	Analyte was detected in the associated method blank.
CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold NELAC/TNI accreditation for this parameter.
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).
S2	Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60262644001	SB-4 (0-1)	EPA 3546	91324	EPA 8081	91437
60262644002	SB-4 (3-5)	EPA 3546	91324	EPA 8081	91437
60262644003	SB-5 (0-1)	EPA 3546	91324	EPA 8081	91437
60262644004	SB-5 (3-5)	EPA 3546	91324	EPA 8081	91437
60262644005	SB-6 (0-1)	EPA 3546	91324	EPA 8081	91437
60262644006	SB-6 (3-5)	EPA 3546	91324	EPA 8081	91437
60262644007	SB-7 (0-1)	EPA 3546	91324	EPA 8081	91437
60262644008	SB-7 (3-5)	EPA 3546	91324	EPA 8081	91437
60262644009	SB-8 (0-1)	EPA 3546	91324	EPA 8081	91437
60262644010	SB-8 (3-5)	EPA 3546	91324	EPA 8081	91437
60262644011	SB-9 (0-3)	EPA 3546	91580	EPA 8081	91850
60262644012	SB-9 (3-5)	EPA 3546	91580	EPA 8081	91850
60262644013	SB-4	EPA 3510	91344	EPA 8081	91861
60262644014	SB-5	EPA 3510	91344	EPA 8081	91861
60262644015	SB-6	EPA 3510	91344	EPA 8081	91861
60262644016	SB-7	EPA 3510	91344	EPA 8081	91861
60262644017	SB-8	EPA 3510	91344	EPA 8081	91861
60262644018	SB-9	EPA 3510	91344	EPA 8081	91861
60262644001	SB-4 (0-1)	EPA 3546	91325	EPA 8141A	91601
60262644002	SB-4 (3-5)	EPA 3546	91325	EPA 8141A	91601
60262644003	SB-5 (0-1)	EPA 3546	91325	EPA 8141A	91601
60262644004	SB-5 (3-5)	EPA 3546	91325	EPA 8141A	91601
60262644005	SB-6 (0-1)	EPA 3546	91325	EPA 8141A	91601
60262644006	SB-6 (3-5)	EPA 3546	91325	EPA 8141A	91601
60262644007	SB-7 (0-1)	EPA 3546	91325	EPA 8141A	91601
60262644008	SB-7 (3-5)	EPA 3546	91325	EPA 8141A	91601
60262644009	SB-8 (0-1)	EPA 3546	91325	EPA 8141A	91601
60262644010	SB-8 (3-5)	EPA 3546	91325	EPA 8141A	91601
60262644011	SB-9 (0-3)	EPA 3546	91581	EPA 8141A	91875
60262644012	SB-9 (3-5)	EPA 3546	91581	EPA 8141A	91875
60262644013	SB-4	EPA 3510	91347	EPA 8141A	91684
60262644014	SB-5	EPA 3510	91347	EPA 8141A	91684
60262644015	SB-6	EPA 3510	91347	EPA 8141A	91684
60262644016	SB-7	EPA 3510	91347	EPA 8141A	91684
60262644017	SB-8	EPA 3510	91347	EPA 8141A	91684
60262644018	SB-9	EPA 3510	91347	EPA 8141A	91684
60262644001	SB-4 (0-1)	EPA 3546	91432	EPA 8151	91492
60262644002	SB-4 (3-5)	EPA 3546	91432	EPA 8151	91492
60262644003	SB-5 (0-1)	EPA 3546	91432	EPA 8151	91492
60262644004	SB-5 (3-5)	EPA 3546	91432	EPA 8151	91492
60262644005	SB-6 (0-1)	EPA 3546	91432	EPA 8151	91492
60262644006	SB-6 (3-5)	EPA 3546	91432	EPA 8151	91492
60262644007	SB-7 (0-1)	EPA 3546	91432	EPA 8151	91492
60262644008	SB-7 (3-5)	EPA 3546	91432	EPA 8151	91492
60262644009	SB-8 (0-1)	EPA 3546	91432	EPA 8151	91492

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60262644010	**SB-8 (3-5)**	EPA 3546	91433	EPA 8151	91493
60262644011	**SB-9 (0-3)**	EPA 3546	91433	EPA 8151	91493
60262644012	**SB-9 (3-5)**	EPA 3546	91433	EPA 8151	91493
60262644013	**SB-4**	EPA 8151	91466	EPA 8151	91671
60262644014	**SB-5**	EPA 8151	91466	EPA 8151	91671
60262644015	**SB-6**	EPA 8151	91466	EPA 8151	91671
60262644016	**SB-7**	EPA 8151	91466	EPA 8151	91671
60262644017	**SB-8**	EPA 8151	91466	EPA 8151	91671
60262644018	**SB-9**	EPA 8151	91466	EPA 8151	91671
60262644001	**SB-4 (0-1)**	EPA 3050	512324	EPA 6010	512561
60262644002	**SB-4 (3-5)**	EPA 3050	512324	EPA 6010	512561
60262644003	**SB-5 (0-1)**	EPA 3050	512324	EPA 6010	512561
60262644004	**SB-5 (3-5)**	EPA 3050	512324	EPA 6010	512561
60262644005	**SB-6 (0-1)**	EPA 3050	512324	EPA 6010	512561
60262644006	**SB-6 (3-5)**	EPA 3050	512324	EPA 6010	512561
60262644007	**SB-7 (0-1)**	EPA 3050	512324	EPA 6010	512561
60262644008	**SB-7 (3-5)**	EPA 3050	512324	EPA 6010	512561
60262644009	**SB-8 (0-1)**	EPA 3050	512324	EPA 6010	512561
60262644010	**SB-8 (3-5)**	EPA 3050	512324	EPA 6010	512561
60262644011	**SB-9 (0-3)**	EPA 3050	512324	EPA 6010	512561
60262644012	**SB-9 (3-5)**	EPA 3050	512324	EPA 6010	512561
60262644013	**SB-4**	EPA 3010	513465	EPA 6010	513615
60262644014	**SB-5**	EPA 3010	513465	EPA 6010	513615
60262644015	**SB-6**	EPA 3010	513465	EPA 6010	513615
60262644016	**SB-7**	EPA 3010	513465	EPA 6010	513615
60262644017	**SB-8**	EPA 3010	513465	EPA 6010	513615
60262644018	**SB-9**	EPA 3010	513465	EPA 6010	513615
60262644013	**SB-4**	EPA 3010	513463	EPA 6010	513595
60262644014	**SB-5**	EPA 3010	513463	EPA 6010	513595
60262644015	**SB-6**	EPA 3010	513463	EPA 6010	513595
60262644016	**SB-7**	EPA 3010	513463	EPA 6010	513595
60262644017	**SB-8**	EPA 3010	513463	EPA 6010	513595
60262644018	**SB-9**	EPA 3010	513463	EPA 6010	513595
60262644013	**SB-4**	EPA 7470	513439	EPA 7470	513467
60262644014	**SB-5**	EPA 7470	513439	EPA 7470	513467
60262644015	**SB-6**	EPA 7470	513439	EPA 7470	513467
60262644016	**SB-7**	EPA 7470	513439	EPA 7470	513467
60262644017	**SB-8**	EPA 7470	513439	EPA 7470	513467
60262644018	**SB-9**	EPA 7470	513439	EPA 7470	513467
60262644013	**SB-4**	EPA 7470	513471	EPA 7470	513506
60262644014	**SB-5**	EPA 7470	513471	EPA 7470	513506
60262644015	**SB-6**	EPA 7470	513471	EPA 7470	513506
60262644016	**SB-7**	EPA 7470	513471	EPA 7470	513506
60262644017	**SB-8**	EPA 7470	513471	EPA 7470	513506
60262644018	**SB-9**	EPA 7470	513471	EPA 7470	513506

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60262644001	SB-4 (0-1)	EPA 7471	511728	EPA 7471	511777
60262644002	SB-4 (3-5)	EPA 7471	511728	EPA 7471	511777
60262644003	SB-5 (0-1)	EPA 7471	511728	EPA 7471	511777
60262644004	SB-5 (3-5)	EPA 7471	511728	EPA 7471	511777
60262644005	SB-6 (0-1)	EPA 7471	511728	EPA 7471	511777
60262644006	SB-6 (3-5)	EPA 7471	511728	EPA 7471	511777
60262644007	SB-7 (0-1)	EPA 7471	511728	EPA 7471	511777
60262644008	SB-7 (3-5)	EPA 7471	511728	EPA 7471	511777
60262644009	SB-8 (0-1)	EPA 7471	511728	EPA 7471	511777
60262644010	SB-8 (3-5)	EPA 7471	511728	EPA 7471	511777
60262644011	SB-9 (0-3)	EPA 7471	511728	EPA 7471	511777
60262644012	SB-9 (3-5)	EPA 7471	511728	EPA 7471	511777
60262644001	SB-4 (0-1)	EPA 3546	511743	EPA 8270	512261
60262644002	SB-4 (3-5)	EPA 3546	511743	EPA 8270	512261
60262644003	SB-5 (0-1)	EPA 3546	511743	EPA 8270	512261
60262644004	SB-5 (3-5)	EPA 3546	511743	EPA 8270	512261
60262644005	SB-6 (0-1)	EPA 3546	511743	EPA 8270	512261
60262644006	SB-6 (3-5)	EPA 3546	511743	EPA 8270	512261
60262644007	SB-7 (0-1)	EPA 3546	512424	EPA 8270	512594
60262644008	SB-7 (3-5)	EPA 3546	511743	EPA 8270	512261
60262644009	SB-8 (0-1)	EPA 3546	511743	EPA 8270	512261
60262644010	SB-8 (3-5)	EPA 3546	511743	EPA 8270	512261
60262644011	SB-9 (0-3)	EPA 3546	511743	EPA 8270	512261
60262644012	SB-9 (3-5)	EPA 3546	511743	EPA 8270	512261
60262644013	SB-4	EPA 3510	511741	EPA 8270	511977
60262644014	SB-5	EPA 3510	511741	EPA 8270	511977
60262644015	SB-6	EPA 3510	511741	EPA 8270	511977
60262644016	SB-7	EPA 3510	511741	EPA 8270	511977
60262644017	SB-8	EPA 3510	511741	EPA 8270	511977
60262644018	SB-9	EPA 3510	511741	EPA 8270	511977
60262644001	SB-4 (0-1)	EPA 3546	511744	EPA 8270	512015
60262644002	SB-4 (3-5)	EPA 3546	511744	EPA 8270	512015
60262644003	SB-5 (0-1)	EPA 3546	511744	EPA 8270	512015
60262644004	SB-5 (3-5)	EPA 3546	511744	EPA 8270	512015
60262644005	SB-6 (0-1)	EPA 3546	511744	EPA 8270	512015
60262644006	SB-6 (3-5)	EPA 3546	511744	EPA 8270	512015
60262644007	SB-7 (0-1)	EPA 3546	511744	EPA 8270	512015
60262644008	SB-7 (3-5)	EPA 3546	511744	EPA 8270	512015
60262644009	SB-8 (0-1)	EPA 3546	511744	EPA 8270	512015
60262644010	SB-8 (3-5)	EPA 3546	511744	EPA 8270	512015
60262644011	SB-9 (0-3)	EPA 3546	511744	EPA 8270	512015
60262644012	SB-9 (3-5)	EPA 3546	511744	EPA 8270	512015
60262644013	SB-4	EPA 3510C	511740	EPA 8270	512400
60262644014	SB-5	EPA 3510C	511740	EPA 8270	512400
60262644015	SB-6	EPA 3510C	511740	EPA 8270	512400
60262644016	SB-7	EPA 3510C	511740	EPA 8270	512400

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60262644017	**SB-8**	EPA 3510C	511740	EPA 8270	512400
60262644018	**SB-9**	EPA 3510C	511740	EPA 8270	512400
60262644001	**SB-4 (0-1)**	EPA 5035A/8260	511774		
60262644002	**SB-4 (3-5)**	EPA 5035A/8260	511774		
60262644003	**SB-5 (0-1)**	EPA 5035A/8260	511774		
60262644004	**SB-5 (3-5)**	EPA 5035A/8260	511774		
60262644005	**SB-6 (0-1)**	EPA 5035A/8260	511774		
60262644006	**SB-6 (3-5)**	EPA 5035A/8260	511774		
60262644007	**SB-7 (0-1)**	EPA 5035A/8260	511774		
60262644008	**SB-7 (3-5)**	EPA 5035A/8260	511774		
60262644009	**SB-8 (0-1)**	EPA 5035A/8260	511774		
60262644010	**SB-8 (3-5)**	EPA 5035A/8260	511774		
60262644011	**SB-9 (0-3)**	EPA 5035A/8260	511774		
60262644012	**SB-9 (3-5)**	EPA 5035A/8260	511774		
60262644013	**SB-4**	EPA 5030B/8260	511785		
60262644014	**SB-5**	EPA 5030B/8260	511785		
60262644015	**SB-6**	EPA 5030B/8260	511785		
60262644016	**SB-7**	EPA 5030B/8260	511785		
60262644017	**SB-8**	EPA 5030B/8260	511785		
60262644018	**SB-9**	EPA 5030B/8260	511785		
60262644013	**SB-4**	EPA 8260	511875		
60262644014	**SB-5**	EPA 8260	511875		
60262644015	**SB-6**	EPA 8260	511875		
60262644016	**SB-7**	EPA 8260	511875		
60262644017	**SB-8**	EPA 8260	511875		
60262644018	**SB-9**	EPA 8260	512008		
60262644001	**SB-4 (0-1)**	EPA 8260	511857		
60262644002	**SB-4 (3-5)**	EPA 8260	511857		
60262644003	**SB-5 (0-1)**	EPA 8260	511857		
60262644004	**SB-5 (3-5)**	EPA 8260	511857		
60262644005	**SB-6 (0-1)**	EPA 8260	511857		
60262644006	**SB-6 (3-5)**	EPA 8260	511857		
60262644007	**SB-7 (0-1)**	EPA 8260	511857		
60262644008	**SB-7 (3-5)**	EPA 8260	511857		
60262644009	**SB-8 (0-1)**	EPA 8260	511857		
60262644010	**SB-8 (3-5)**	EPA 8260	511857		
60262644011	**SB-9 (0-3)**	EPA 8260	511857		
60262644012	**SB-9 (3-5)**	EPA 8260	511857		
60262644001	**SB-4 (0-1)**	ASTM D2974	512469		
60262644002	**SB-4 (3-5)**	ASTM D2974	512469		
60262644003	**SB-5 (0-1)**	ASTM D2974	512469		
60262644004	**SB-5 (3-5)**	ASTM D2974	512469		
60262644005	**SB-6 (0-1)**	ASTM D2974	512469		
60262644006	**SB-6 (3-5)**	ASTM D2974	512469		
60262644007	**SB-7 (0-1)**	ASTM D2974	512469		
60262644008	**SB-7 (3-5)**	ASTM D2974	512469		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60262644009	**SB-8 (0-1)**	ASTM D2974	512469		
60262644010	**SB-8 (3-5)**	ASTM D2974	512469		
60262644011	**SB-9 (0-3)**	ASTM D2974	512469		
60262644012	**SB-9 (3-5)**	ASTM D2974	512469		
60262644013	**SB-4**	SM 4500-H+B	511811		
60262644014	**SB-5**	SM 4500-H+B	511811		
60262644015	**SB-6**	SM 4500-H+B	512392		
60262644016	**SB-7**	SM 4500-H+B	512392		
60262644017	**SB-8**	SM 4500-H+B	512392		
60262644018	**SB-9**	SM 4500-H+B	512392		
60262644001	**SB-4 (0-1)**	EPA 9045	512294		
60262644002	**SB-4 (3-5)**	EPA 9045	512294		
60262644003	**SB-5 (0-1)**	EPA 9045	512294		
60262644004	**SB-5 (3-5)**	EPA 9045	512294		
60262644005	**SB-6 (0-1)**	EPA 9045	512294		
60262644006	**SB-6 (3-5)**	EPA 9045	512294		
60262644007	**SB-7 (0-1)**	EPA 9045	512294		
60262644008	**SB-7 (3-5)**	EPA 9045	512294		
60262644009	**SB-8 (0-1)**	EPA 9045	512294		
60262644010	**SB-8 (3-5)**	EPA 9045	512294		
60262644011	**SB-9 (0-3)**	EPA 9045	512294		
60262644012	**SB-9 (3-5)**	EPA 9045	512294		
60262644013	**SB-4**	EPA 353.2	511806		
60262644014	**SB-5**	EPA 353.2	511806		
60262644015	**SB-6**	EPA 353.2	511806		
60262644016	**SB-7**	EPA 353.2	511806		
60262644017	**SB-8**	EPA 353.2	511806		
60262644018	**SB-9**	EPA 353.2	511806		
60262644001	**SB-4 (0-1)**	EPA 9056	513167	EPA 9056	513201
60262644002	**SB-4 (3-5)**	EPA 9056	513167	EPA 9056	513201
60262644003	**SB-5 (0-1)**	EPA 9056	513167	EPA 9056	513201
60262644004	**SB-5 (3-5)**	EPA 9056	513167	EPA 9056	513201
60262644005	**SB-6 (0-1)**	EPA 9056	513167	EPA 9056	513201
60262644006	**SB-6 (3-5)**	EPA 9056	513167	EPA 9056	513201
60262644007	**SB-7 (0-1)**	EPA 9056	513167	EPA 9056	513201
60262644008	**SB-7 (3-5)**	EPA 9056	513167	EPA 9056	513201
60262644009	**SB-8 (0-1)**	EPA 9056	513167	EPA 9056	513201
60262644010	**SB-8 (3-5)**	EPA 9056	513167	EPA 9056	513201
60262644011	**SB-9 (0-3)**	EPA 9056	513167	EPA 9056	513201
60262644012	**SB-9 (3-5)**	EPA 9056	513167	EPA 9056	513201
60262644001	**SB-4 (0-1)**	EPA 9056	513010	EPA 9056	513101
60262644002	**SB-4 (3-5)**	EPA 9056	513010	EPA 9056	513101
60262644003	**SB-5 (0-1)**	EPA 9056	513010	EPA 9056	513101
60262644004	**SB-5 (3-5)**	EPA 9056	513010	EPA 9056	513101
60262644005	**SB-6 (0-1)**	EPA 9056	513010	EPA 9056	513101
60262644006	**SB-6 (3-5)**	EPA 9056	513010	EPA 9056	513101

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9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mead Hansen Building Site 1/23
Pace Project No.: 60262644

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60262644007	**SB-7 (0-1)**	EPA 9056	513010	EPA 9056	513101
60262644008	**SB-7 (3-5)**	EPA 9056	513010	EPA 9056	513101
60262644009	**SB-8 (0-1)**	EPA 9056	513010	EPA 9056	513101
60262644010	**SB-8 (3-5)**	EPA 9056	513010	EPA 9056	513101
60262644011	**SB-9 (0-3)**	EPA 9056	513010	EPA 9056	513101
60262644012	**SB-9 (3-5)**	EPA 9056	513010	EPA 9056	513101
60262644013	**SB-4**	EPA 9056	512697		
60262644014	**SB-5**	EPA 9056	512697		
60262644015	**SB-6**	EPA 9056	512697		
60262644016	**SB-7**	EPA 9056	513106		
60262644017	**SB-8**	EPA 9056	512966		
60262644018	**SB-9**	EPA 9056	512697		

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Sample Condition Upon Receipt

WO# : 60262644

60262644

Client Name: Tetra Tech EMI

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☑ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☐ Other ☐

Tracking #: _____ Pace Shipping Label Used? Yes ☑ No ☐

Custody Seal on Cooler/Box Present: Yes ☑ No ☐ Seals intact: Yes ☑ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☑ None ☐ Other ☐

Thermometer Used: CF +0.2 T-266 / CF -0.1 T-239 **Type of Ice:** Wet Blue None

NMS 1/24

Cooler Temperature (°C): As-read 2.1/0.2/2.4/1.0/3.0/2.6 Corr. Factor CF +0.2 CF -0.1 Corrected 2.3/0.4/2.6/1.0/3.2/2.8 / 1.4/0.7/2.3/1.1/1.6/0.9/2.5/1.3

Date and initials of person examining contents: JB 1/24

Temperature should be above freezing to 6°C

Chain of Custody present:	☑Yes ☐No ☐N/A	
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	
Samples arrived within holding time:	☑Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☐Yes ☒No ☐N/A	
Rush Turn Around Time requested:	☐Yes ☑No ☐N/A	
Sufficient volume:	☑Yes ☐No ☐N/A	
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☑Yes ☐No ☐N/A JB 1/24	
Filtered volume received for dissolved tests?	☐Yes ☐No ☑N/A	
Sample labels match COC: Date / time / ID / analyses	☑Yes ☐No ☐N/A	
Samples contain multiple phases? Matrix: LT SL	☐Yes ☒No ☐N/A	
Containers requiring pH preservation in compliance? (HNO3, H2SO4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	☑Yes ☐No ☐N/A JB 1/24	
Cyanide water sample checks: ☑ N/A Lead acetate strip turns dark? (Record only) Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No ☐Yes ☐No	
Trip Blank present:	☐Yes ☒No ☐N/A	
Headspace in VOA vials (>6mm):	☐Yes ☐No ☑N/A	
Samples from USDA Regulated Area: State: MO	☐Yes ☒No ☐N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☒No ☐N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: JWD Date: 1/24/18

CHAIN-OF-CUSTODY / Analytical Request Document

Pace Analytical™ www.pacelabs.com

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 2

Section A Required Client Information:

Company:	Tetra Tech EMI
Address:	415 Oak
	Kansas City, MO 64106
Email To:	Emily.Fisher@tetratech.com
Phone: (816) 412-1755	Fax:
Requested Due Date/TAT:	Standard

Section B Required Project Information:

Report To:	Emily Fisher
Copy To:	John Simpson
Purchase Order No.:	1146252
Project Name:	Mead Hansen Building Site
Project Number:	103X90251400Z.043

Section C Invoice Information:

Attention:	Accounts Payable
Company Name:	Tetra Tech, Inc.
Address:	415 Oak St. Kansas City, MO 64106
Pace Quote Reference:	
Pace Project Manager:	Jeffrey Shopper 913-563-1408
Pace Profile #:	970

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MO

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	8260 VOCs	8270 SVOCs	RCRA 8 Metals	8081 OC Pesticides	8141 OP Pesticides	8151 Herbicides	8270 DRO/ORO	8260 GRO	353.2 Nitrogen NO2/NO3	9056 Sulfate	pH	Dissolved RCRA 8 Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 6026644
1	SB-4 (0-1) (1)VOA (2)OTHER	SL	G			1/23/18	0850		14	8					4	2			X	X	X	X	X	X	X	X	X			001
2	SB-4 (3-5)						0900												X	X	X	X	X	X	X	X	X			002
3	SB-5 (0-1)						1020												X	X	X	X	X	X	X	X	X			003
4	SB-5 (3-5)						1030												X	X	X	X	X	X	X	X	X			004
5	SB-6 (0-1)						1230												X	X	X	X	X	X	X	X	X			005
6	SB-6 (3-5)						1240												X	X	X	X	X	X	X	X	X			006
7	SB-7 (0-1)						1340												X	X	X	X	X	X	X	X	X			007
8	SB-7 (3-5)						1350												X	X	X	X	X	X	X	X	X			008
9	SB-8 (0-1)						1500												X	X	X	X	X	X	X	X	X			009
10	SB-8 (3-5)						1510												X	X	X	X	X	X	X	X	X			010
11	SB-9 (0-3)						1600												X	X	X	X	X	X	X	X	X			011
12	SB-9 (3-5)						1615												X	X	X	X	X	X	X	X	X			012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		1/24/18	1000		1/24	1305

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
2.8	Y	Y	Y
0.4	Y	Y	Y
2.6	Y	Y	Y
2.0	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JOHN R. SIMPSON

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 1/23/18

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.08, 12-Oct-2007

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Pace Analytical™ www.pacelabs.com

Section A Required Client Information:

Company:	Tetra Tech EMI
Address:	415 Oak
	Kansas City, MO 64106
Email To:	Emily.Fisher@tetratech.com
Phone: (816) 412-1755	Fax:
Requested Due Date/TAT:	Standard

Section B Required Project Information:

Report To:	Emily Fisher
Copy To:	John Simpson
Purchase Order No.:	1146252
Project Name:	Mead Hansen Building Site
Project Number:	103X902514002.043

Section C Invoice Information:

Attention:	Accounts Payable
Company Name:	Tetra Tech, Inc.
Address:	415 Oak St. Kansas City, MO 64106
Pace Quote Reference:	
Pace Project Manager:	Jeffrey Shopper 913-563-1408
Pace Profile #:	970

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: MO

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	8260 VOCs	8270 SVOCs	RCRA 8 Metals	8081 OC Pesticides	8141 OP Pesticides	8151 Herbicides	8270 DRO/ORO	8260 GRO	353.2 Nitrogen NO2/NO3	9056 Sulfate	pH	Dissolved RCRA 8 Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SB-4 (1)Acdu (2)AGGu (2)BP2u DP3S BP3N	WT	G			1/23/18	0950		19	1	1	1	6						X	X	X	X	X	X	X	X	X	X	X		60262644
2	SB-5						1050												X	X	X	X	X	X	X	X	X	X	X		013
3	SB-6						1300												X	X	X	X	X	X	X	X	X	X	X		014
4	SB-7						1400												X	X	X	X	X	X	X	X	X	X	X		015
5	SB-8						1530												X	X	X	X	X	X	X	X	X	X	X		016
6	SB-9						1630												X	X	X	X	X	X	X	X	X	X	X		017
7																															018
8																															
9																															
10																															
11																															
12																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		1/24/18	1000		1/24	1305

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
3.2	Y	Y	Y
2.8	Y	Y	Y
1.1 0.4	Y	Y	Y
2.5 1.3	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JOHN SIMPSON

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 1/23/18

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical®	Document Name: Sample Condition Upon Receipt	Document Revised: 09-26-17 Page 1 of 1
	Document No.: F-DAL-C-001-rev.07	Issuing Authority: Pace Dallas Quality Office

Sample Condition Upon Receipt

WO# : 7581088

☒Dallas ☐Ft Worth

7581088

Client Name: Pace Kansas Project Work order:

Courier: FedEX ☑ UPS ☐ USPS ☐ Client ☐ LSO ☐ PACE ☐ Other:

Tracking #: 4122 4942 5430, 4122 4942 5440, 4122 4942 5418, 4122 4942 5429

Custody Seal on Cooler/Box: Yes ☑ No ☐ **Seals Intact:** Yes ☑ No ☐ NA ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☑ Foam ☐ None ☐ Other ☐

Thermometer Used: IR-CS#4 Type of Ice: Wet ☑ Blue ☐ None ☐ Sample Received on ice, cooling process has begun ☑

Cooler Temp °C: _____(Recorded) 0.5 (Correction Factor) _____(Actual) ☐ (Thermal preservation not required)

1.4, 1.0, 0.8, 1.4 Temp should be above freezing to 6°C 0.9, 0.5, 0.3, 0.9

Chain of Custody Present	Yes ☑ No ☐ NA ☐	1
Chain of Custody filled out	Yes ☑ No ☐ NA ☐	2
Chain of Custody relinquished	Yes ☑ No ☐ NA ☐	3
Sampler name & signature on COC	Yes ☐ No ☑ NA ☐	4
Sample received within HT	Yes ☑ No ☐ NA ☐	5
Short HT analyses (<72 hrs)	Yes ☐ No ☑ NA ☐	6
Rush TAT requested	Yes ☐ No ☑ NA ☐	7
Sufficient Volume received	Yes ☑ No ☐ NA ☐	8
Correct Container used Pace Container used	Yes ☑ No ☐ NA ☐ Yes ☑ No ☐ NA ☐	9
Container Intact	Yes ☑ No ☐ NA ☐	10
Unpreserved 5035A soil frozen within 48 hrs	Yes ☐ No ☐ NA ☑	11
Filtered volume received for Dissolved tests	Yes ☐ No ☐ NA ☑	12
Sample labels match COC Include date/time/ID/analyses Matrix:	Yes ☑ No ☐ NA ☐ Water / Solid	13
All containers needing preservation have been checked and found to be in Compliance with EPA recommendation (includes residual chlorine checks) **Exception:** VOA, coliform, O&G	Yes ☐ No ☐ NA ☑ Yes ☐ No ☑	14a. pH Strip Lot #: _____ Original pH: pH<2 ☐ pH>9 ☐ pH>12 ☐ Neutral ☐ Lot# of Iodine strip: _____ Lot# of Lead Acetate strip: _____
Do containers require preservation at the lab	Yes ☐ No ☐ NA ☑	14b. Preservation: Lot# and adjusted pH: pH<2 ☐ pH>9 ☐ pH>12
Are soil samples (volatiles) received in Bulk ☐ Terracore ☐ EnCore ☐ NA ☑		15.
Trip Blank present Trip Blank Custody Seals Intact Pace Trip Blank Lot# (if purchased):	Yes ☐ No ☐ NA ☑ Yes ☐ No ☐ NA ☑	16.
Headspace in VOA (>6mm)	Yes ☐ No ☐ NA ☑	17.
Project sampled in USDA Regulated Area:	Yes ☐ No ☑	18. List State

Triage Person: KM Date: 1/25/18 **Login Person:** MO Date: 1.26.18 **Labeling Person:** MM Date: 1.26.18

Client Notification/Resolution/Comments:

Person Contacted: _____ Date: _____

Comments/Resolution: _____

Project Manager Review: Kyeegitt

Chain of Custody

Pace Analytical®
www.pacelabs.com

☐ Samples were sent directly to the Subcontracting Laboratory.

Workorder: 60262644 **Workorder Name:** Mead Hansen Building Site 1/23 **Owner Received Date:** 1/24/2018 **Results Requested By:** 2/7/2018

Report To	Subcontract To
Jeffrey Shopper Pace Analytical Kansas 9608 Loiret Blvd. Lenexa, KS 66219 Phone 1(913)563-1408	Pace Analytical Dallas 400 West Bethany Drive Suite 190 Allen, TX 75013 Phone (972)727-1123

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved						Requested Analysis: 8141 Pesticides	8081 Pesticides	8151 Herbicides										N581088 LAB USE ONLY
1	SB-4 (0-1)	PS	1/23/2018 08:50	60262644001	Solid	2						X	X	X										001
2	SB-4 (3-5)	PS	1/23/2018 09:00	60262644002	Solid	2						X	X	X										002
3	SB-5 (0-1)	PS	1/23/2018 10:20	60262644003	Solid	2						X	X	X										003
4	SB-5 (3-5)	PS	1/23/2018 10:30	60262644004	Solid	2						X	X	X										004
5	SB-6 (0-1)	PS	1/23/2018 12:30	60262644005	Solid	2						X	X	X										005
6	SB-6 (3-5)	PS	1/23/2018 12:40	60262644006	Solid	2						X	X	X										006
7	SB-7 (0-1)	PS	1/23/2018 13:40	60262644007	Solid	2						X	X	X										007
8	SB-7 (3-5)	PS	1/23/2018 13:50	60262644008	Solid	2						X	X	X										008
9	SB-8 (0-1)	PS	1/23/2018 15:00	60262644009	Solid	2						X	X	X										009
10	SB-8 (3-5)	PS	1/23/2018 15:10	60262644010	Solid	2						X	X	X										010
11	SB-9 (0-3)	PS	1/23/2018 16:00	60262644011	Solid	2						X	X	X										011
12	SB-9 (3-5)	PS	1/23/2018 16:15	60262644012	Solid	2						X	X	X										012
13	SB-4	PS	1/23/2018 09:50	60262644013	Water	5						X	X	X										013
14	SB-5	PS	1/23/2018 10:50	60262644014	Water	5						X	X	X										014
15	SB-6	PS	1/23/2018 13:00	60262644015	Water	5						X	X	X										015
16	SB-7	PS	1/23/2018 14:00	60262644016	Water	5						X	X	X										016
17	SB-8	PS	1/23/2018 15:30	60262644017	Water	5						X	X	X										017
18	SB-9	PS	1/23/2018 16:30	60262644018	Water	5						X	X	X										018

					Comments
Transfers	Released By	Date/Time	Received By	Date/Time	7581088.
1		1/24 1700		1/25/18 0955	J-flag results and report to MDL
2					
3					

Cooler Temperature on Receipt 0.9 0.5 0.5 °C	Custody Seal (Y) or N	Received on Ice (Y) or N	Samples Intact (Y) or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.*

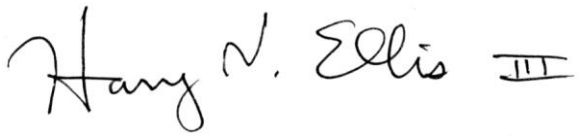
Tetra Tech, Inc.
DATA VALIDATION REPORT
LEVEL II

Site:	Mead Hansen Building Site
Laboratory:	Pace Analytical (Lenexa, Kansas)
Data Reviewer:	Harry Ellis, Tetra Tech, Inc. (Tetra Tech)
Review Date	February 28, 2018
Sample Delivery Group (SDG):	60262644
Sample Numbers:	SB-10 (0-1), SB-10 (3-5), SB-11 (3-5), SB-11 (13-15), SB-12 (3-5), SB-12 (13-15), SB-13(3-5), SB-13 (10-12), SB-10, SB-12, and SB-13
Matrix / Number of Samples:	Eight Soil Samples, Three Groundwater Samples, and No Blank Samples

The data were qualified according to the U.S. Environmental Protection Agency (EPA) Region 7 documents entitled "Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review", dated January 2017, and "Contract Laboratory Program National Functional Guidelines for Superfund Inorganic Methods Data Review", also dated January 2017. In addition, the Tetra Tech document "Review of Data Packages from Subcontracted Laboratories" (February 2002) was used along with other criteria specified in the applicable methods.

The review was intended to identify problems and quality control (QC) deficiencies that were readily apparent from the summary data package. The following sections discuss any problems or deficiencies that were found, and data qualifications applied because of non-compliant QC. The data review was limited to the available field and laboratory QC information submitted with the project-specific data package.

I, Harry Ellis, certify that all data validation criteria outlined in the above-referenced documents were assessed, and any qualifications made to the data accorded with those documents.



28 February 2018

Certified by Harry Ellis, Chemist — Date

DATA VALIDATION QUALIFIERS

U — The analyte was not detected above the reported sample quantitation limit.

J — The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ — The analyte was not detected above the reported sample quantitation limit, which is estimated.

R — The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet QC criteria. Presence or absence of the analyte cannot be verified.

DATA ASSESSMENT

Sample delivery group (SDG) 60262738 included eight (8) environmental soil samples, three (6) environmental groundwater samples, and no (0) quality control (QC) samples. Samples were analyzed for volatile organic compounds (VOC) by EPA SW-846 Method 8260, semivolatile organic compounds (SVOC) by EPA SW-846 Method 8270, total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO, and oil range organics (ORO) by EPA SW-846 Methods 8260 and 8270, organochlorine pesticides by EPA SW-846 Method 8081, organophosphate pesticides by EPA SW-846 Method 8141,, organochlorine herbicides by EPA SW-846 Method 8051A, total and dissolved metals by EPA SW-846 Methods 6010 and 7471 and EPA Water Methods 200.7 and 245.1, pH by EPA SW-846 Method 9045 and Standard Method 4500-H, and inorganic anions by EPA SW-846 Method 9056 and EPA Water Method 353.2. All samples did not receive all analyses. The following summarizes the data validation that was performed.

VOLATILE ORGANIC COMPOUND ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding time of 14 days from sample collection to analysis. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

No MS/MSD analyses were performed on these samples due to insufficient sample volume. No qualifications were applied for these data gaps.

III. Blanks

The laboratory (method) blanks and trip blanks yielded no detectable concentrations of analytes, so no qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Surrogates

All surrogate recoveries were within their QC limits. No qualifications were applied.

VI. Comments

Some detected concentrations were less than their reporting limits ("RL"). These low-concentration results were qualified as estimated (flagged "J").

VII. Overall Assessment of Data

Overall data quality is acceptable, with no qualifications applied. All data are usable as reported for their intended purposes.

SEMIVOLATILE ORGANIC COMPOUND ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding time of 14 days from sample collection to extraction and 40 days to analysis. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

The soil MS/MSD analyses performed on sample SB-10 (0-1) yielded slightly low recoveries for benzo(b)fluoranthene (31 and 51 percent, versus limits of 41 to 114 percent), benzoic acid (8 and 10 percent, versus 10 to 126 percent), fluoranthene (19 and 38 percent, versus 34 to 121 percent), phenanthrene (28 and 44 percent, versus 49 to 114 percent) and pyrene (26 and 40 percent, versus 47 to 117 percent). The average recovery for benzo(b)fluoranthene was acceptable, so it was not qualified. However the results for benzoic acid, fluoranthene, phenanthrene, and pyrene in sample SB-10 (0-1) were qualified as estimated and flagged "UJ" or "J", as appropriate.

There was insufficient sample for aqueous MS/MSD analyses. No qualifications were applied for these data gaps.

III. Blanks

The laboratory (method) blanks yielded no detectable analyte concentrations. No qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Surrogates

All surrogate recoveries were within QC limits. No qualifications were applied.

VI. Comments

Some detected concentrations were less than their RLs. These low-concentration results were qualified as estimated (flagged "J").

VII. Overall Assessment of Data

Overall data quality is acceptable, with no significant qualifications applied. All data are usable as qualified for their intended purposes.

TOTAL PETROLEUM HYDROCARBON ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding times. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Due to insufficient sample volume, the only MS/MSD analyses were for DRO/ORO in soil. Results were fully satisfactory. No qualifications were applied for the data gaps.

III. Blanks

The soil laboratory (method) blank yielded a low concentration of ORO. Soil ORO results less than their reporting limits in most samples were qualified as laboratory artifacts and flagged "U". The other soil ORO results were above their reporting limit and more than 10 times the blank concentration so they were not qualified.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Surrogates

All field sample surrogate recoveries were within QC limits. No qualifications were applied for excessive recoveries of surrogates from laboratory QC samples.

VI. Comments

Some detected concentrations were less than their RLs. These low-concentration results were qualified as estimated (flagged "J").

VII. Overall Assessment of Data

Overall data quality is acceptable, with no major qualifications applied. All data are usable as qualified for their intended purposes.

ORGANOCHLORINE PESTICIDES ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding times. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

The soil MS/MSD analyses performed on sample SS-10 (0-1) yielded slightly low recoveries (63 to 70 percent, versus limits of 70 to 130 percent) for dieldrin, endosulfan I, endosulfan sulfate, and endrin ketone, probably due to matrix interference from the sample's TPH and other compounds. Therefore the nondetected results for those four analytes in that sample were qualified as estimated and flagged "UJ".

III. Blanks

The laboratory (method) blanks yielded no detectable analytes. No qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Surrogates

All surrogate recoveries were within the NFG limits of 30 to 150 percent, so no qualifications were applied.

VI. Comments

Some detected concentrations were less than their RLs. These low-concentration results were qualified as estimated (flagged "J").

VII. Overall Assessment of Data

Overall data quality is acceptable, with no significant qualifications applied. All data are usable as qualified for their intended purposes.

ORGANOPHOSPHATE PESTICIDES ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding times. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

The soil MS/MSD analyses performed on sample SB-10 (3-5) yielded no recovery for merphos but an acceptable recoveries for merphos-oxone. The aqueous MS/MSD analyses performed on sample SB-18 yielded fully acceptable recoveries for all analytes, including merphos, but merphos-oxone was not listed. It is likely that there was an identification problem or a programming problem with the soil control samples. Neither merphos nor its derivative were detected in any unspiked samples. No qualifications were applied

III. Blanks

The laboratory (method) blanks yielded no detectable analytes. No qualifications were applied.

IV. Laboratory Control Sample (LCS)

The recoveries from the LCS analyses were practically identical to those from the MS/MSD analyses, including the soil merphos irregularity. Since the same spiking solutions and almost the same programming are used for the two sorts of control samples, no qualifications were applied.

V. Surrogates

All surrogate recoveries were within QC limits. No qualifications were applied.

VI. Comments

None.

VII. Overall Assessment of Data

Overall data quality is acceptable, with no qualifications applied. All data are usable as reported for their intended purposes.

ORGANOCHLORINE HERBICIDES ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding times. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

The MS/MSD analyses performed on samples from other packages and sites were not evaluated.

The soil MS/MSD analyses performed on sample SB-12 (3-5) yielded low recoveries (below 10 percent) for dalapon, dicamba, dinoseb, and MCPP. Therefore the nondetected results for those analytes in that sample were qualified as estimated, possibly biased low, and flagged "UJ".

III. Blanks

The laboratory (method) blanks yielded no detectable analytes. No qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Surrogates

Most surrogate recoveries were within QC limits, although most soil surrogate recoveries ranged from 10 to 14 percent, at the bottom of the acceptable range of 10 to 188 percent. However, the surrogate recoveries from samples SB-10 (3-5), SB-11 (13-15), and SB-13 (10-12) were only 6 to 8 percent, so the nondetected results for those samples were qualified as estimated, possibly biased low, and flagged "UJ".

VI. Comments

Few analytes were detected in these samples. .

VII. Overall Assessment of Data

Overall data quality is acceptable, with some qualifications applied. All data are usable as qualified for their intended purposes.

METALS ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding times of 28 days (for mercury) and 6 months (for all other metals) from sample collection to analysis. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSD analyses performed on samples from another data package were not evaluated. All other MS/MSD results were within limits so no qualifications were applied.

III. Blanks

No analytes were detected in the laboratory blanks. No qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Comments

Some detected concentrations were less than their RLs. These low-concentration results were qualified as estimated (flagged "J").

VI. Overall Assessment of Data

Overall data quality is acceptable, with no qualifications applied. All data are usable as reported for their intended purposes.

IONS ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The holding time for pH analyses is "as soon as possible", generally interpreted as within 15 minutes of sampling (for water) or of preparation (for soil). The pH analyses were performed seven days after sampling, so the water results were qualified as estimated and flagged "J". All other holding time requirements were met so no further qualifications were applied.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

The aqueous nitrogen (nitrate plus nitrite) MS analysis performed on sample SB-10 yielded a recovery of 87 percent, below limits of 90 to 110 percent. Therefore the result for that analyte in that sample was qualified as estimated, possibly biased low, and flagged "J".

III. Blanks

No analytes were detected in the laboratory blanks. No qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Comments

Some detected soil sulfate concentrations were less than their RLs. These low-concentration results were qualified as estimated (flagged "J"). All sulfate analyses and most nitrogen species analyses were performed at various dilutions to minimize matrix interference. Therefore some nondetected results are not fully comparable.

VI. Overall Assessment of Data

Overall data quality is acceptable, with no significant qualifications applied. All data are usable as qualified for their intended purposes.

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

February 12, 2018

Emily Fisher
TETRA TECH EMI
415 Oak
Kansas City, MO 64106

RE: Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Dear Emily Fisher:
Enclosed are the analytical results for sample(s) received by the laboratory on January 25, 2018. 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,

Jeffrey Shopper
jeff.shopper@pacelabs.com
1(913)563-1408
Project Manager

Enclosures

cc: John Simpson, TETRA TECH EMI

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CERTIFICATIONS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 17-016-0
Illinois Certification #: 200030
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212018-1
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407
Utah Certification #: KS00021
Kansas Field Laboratory Accreditation: # E-92587
Missouri Certification: 10070

Dallas Certification IDs:
400 West Bethany Dr Suite 190, Allen, TX 75013
EPA# TX00074
Florida Certification #: E871118
Texas Certification #: T104704232
Kansas Certification #: E-10388
Arkansas Certification #: 88-0647
Oklahoma Certification #: 8727
Louisiana Certification #: 30686
Iowa Certification #: 408
Florida Certification #: E871118
Nevada Certification #: TX00074

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60262738001	**SB-10 (0-1)**	Solid	01/24/18 08:45	01/25/18 10:10
60262738002	**SB-10 (3-5)**	Solid	01/24/18 08:55	01/25/18 10:10
60262738003	**SB-11 (3-5)**	Solid	01/24/18 11:00	01/25/18 10:10
60262738004	**SB-11 (13-15)**	Solid	01/24/18 11:20	01/25/18 10:10
60262738005	**SB-12 (3-5)**	Solid	01/24/18 14:30	01/25/18 10:10
60262738006	**SB-12 (13-15)**	Solid	01/24/18 15:00	01/25/18 10:10
60262738007	**SB-13 (3-5)**	Solid	01/24/18 15:55	01/25/18 10:10
60262738008	**SB-13 (10-12)**	Solid	01/24/18 16:15	01/25/18 10:10
60262738009	**SB-10**	Water	01/24/18 09:15	01/25/18 10:10
60262738010	**SB-12**	Water	01/24/18 15:20	01/25/18 10:10
60262738011	**SB-13**	Water	01/24/18 16:30	01/25/18 10:10

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SAMPLE ANALYTE COUNT

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60262738001	**SB-10 (0-1)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	SMW	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262738002	**SB-10 (3-5)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	30	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	SMW	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262738003	**SB-11 (3-5)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	SMW	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262738004	**SB-11 (13-15)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	SMW	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262738005	**SB-12 (3-5)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	SMW	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262738006	**SB-12 (13-15)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	SMW	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K

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SAMPLE ANALYTE COUNT

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262738007	**SB-13 (3-5)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	SMW	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262738008	**SB-13 (10-12)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	SMW	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262738009	**SB-10**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 6010	JGP	7	PASI-K
		EPA 7470	JRS	1	PASI-K
		EPA 7470	SMW	1	PASI-K

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(913)599-5665

SAMPLE ANALYTE COUNT

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5030B/8260	PGH	69	PASI-K
		EPA 8260	JTK	4	PASI-K
		SM 4500-H+B	MJK	1	PASI-K
		EPA 353.2	RAD	1	PASI-K
		EPA 9056	LDB	1	PASI-K
60262738010	**SB-12**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 6010	JGP	7	PASI-K
		EPA 7470	JRS	1	PASI-K
		EPA 7470	SMW	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5030B/8260	PGH	69	PASI-K
		EPA 8260	JTK	4	PASI-K
		SM 4500-H+B	MJK	1	PASI-K
		EPA 353.2	RAD	1	PASI-K
		EPA 9056	LDB	1	PASI-K
60262738011	**SB-13**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 6010	JGP	7	PASI-K
		EPA 7470	JRS	1	PASI-K
		EPA 7470	SMW	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5030B/8260	PGH	69	PASI-K
		EPA 8260	JTK	4	PASI-K
		SM 4500-H+B	MJK	1	PASI-K
		EPA 353.2	RAD	1	PASI-K
		EPA 9056	LDB	1	PASI-K

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 8081**
Description: 8081 GCS Pesticides
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
11 samples were analyzed for EPA 8081. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 91580

S1: Surrogate recovery outside laboratory control limits (confirmed by re-analysis).

- SB-10 (3-5) (Lab ID: 60262738002)
  - Tetrachloro-m-xylene (S)
- SB-12 (13-15) (Lab ID: 60262738006)
  - Tetrachloro-m-xylene (S)
- SB-13 (3-5) (Lab ID: 60262738007)
  - Tetrachloro-m-xylene (S)

QC Batch: 91634

S1: Surrogate recovery outside laboratory control limits (confirmed by re-analysis).

- SB-13 (Lab ID: 60262738011)
  - Tetrachloro-m-xylene (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 8081**
Description: 8081 GCS Pesticides
Client: TETRA TECH EMI
Date: February 12, 2018

QC Batch: 91580

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262738001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 405975)
  - Dieldrin
  - Endosulfan I
  - Endosulfan sulfate
  - Endrin ketone
- MSD (Lab ID: 405976)
  - Endosulfan I
  - Endosulfan sulfate
  - Endrin ketone

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 8141A**
Description: 8141 O/P Pesticides Microwave
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
8 samples were analyzed for EPA 8141A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 91581

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- LCS (Lab ID: 405990)
  - Merphos

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 91581

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262738002

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 405991)
  - Merphos
- MSD (Lab ID: 405992)
  - Merphos

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 8141A**
Description: 8141 O/P Pesticides Microwave
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 91581

N2: The lab does not hold NELAC/TNI accreditation for this parameter.

- BLANK (Lab ID: 405989)
  - Total Demeton
  - Merphos-Oxone
  - Total Merphos
- LCS (Lab ID: 405990)
  - Total Demeton
  - Merphos-Oxone
  - Total Merphos
- MS (Lab ID: 405991)
  - Total Demeton
  - Merphos-Oxone
  - Total Merphos
- MSD (Lab ID: 405992)
  - Total Demeton
  - Merphos-Oxone
  - Total Merphos
- SB-10 (0-1) (Lab ID: 60262738001)
  - Total Demeton
  - Total Merphos
- SB-10 (3-5) (Lab ID: 60262738002)
  - Total Demeton
  - Merphos-Oxone
  - Total Merphos
- SB-11 (13-15) (Lab ID: 60262738004)
  - Total Demeton
  - Total Merphos
- SB-11 (3-5) (Lab ID: 60262738003)
  - Total Demeton
  - Total Merphos
- SB-12 (13-15) (Lab ID: 60262738006)
  - Total Demeton
  - Total Merphos
- SB-12 (3-5) (Lab ID: 60262738005)
  - Total Demeton
  - Total Merphos
- SB-13 (10-12) (Lab ID: 60262738008)
  - Total Demeton
  - Total Merphos
- SB-13 (3-5) (Lab ID: 60262738007)
  - Total Demeton
  - Total Merphos

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 8141A**
Description: 8141 GCS, O/P Pesticides
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
3 samples were analyzed for EPA 8141A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 8151**
Description: 8151 Chlorinated Herbicides
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
11 samples were analyzed for EPA 8151. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 8151 with any exceptions noted below.

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 91836

S1: Surrogate recovery outside laboratory control limits (confirmed by re-analysis).

- SB-10 (3-5) (Lab ID: 60262738002)
  - 2,4-DCAA (S)
- SB-11 (13-15) (Lab ID: 60262738004)
  - 2,4-DCAA (S)

QC Batch: 91886

S1: Surrogate recovery outside laboratory control limits (confirmed by re-analysis).

- SB-13 (10-12) (Lab ID: 60262738008)
  - 2,4-DCAA (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 8151**
Description: 8151 Chlorinated Herbicides
Client: TETRA TECH EMI
Date: February 12, 2018

QC Batch: 91466

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262572010

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 405534)
  - 2,4-D
  - Dichloroprop

QC Batch: 91886

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262738005

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 407448)
  - Dalapon
  - Dicamba
  - Dinoseb
- MSD (Lab ID: 407449)
  - Dalapon
  - Dicamba
  - MCPP

R1: RPD value was outside control limits.

- MSD (Lab ID: 407449)
  - Dicamba
  - Dinoseb
  - MCPP

Additional Comments:

Analyte Comments:

QC Batch: 91836

3e: The initial calibration verification for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- BLANK (Lab ID: 407187)
  - Dinoseb
- LCS (Lab ID: 407188)
  - Dinoseb
- MS (Lab ID: 407189)
  - Dinoseb
- MSD (Lab ID: 407190)
  - Dinoseb
- SB-10 (0-1) (Lab ID: 60262738001)
  - Dinoseb
- SB-10 (3-5) (Lab ID: 60262738002)
  - Dinoseb
- SB-11 (13-15) (Lab ID: 60262738004)
  - Dinoseb

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 8151**
Description: 8151 Chlorinated Herbicides
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 91836

3e: The initial calibration verification for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- SB-11 (3-5) (Lab ID: 60262738003)
  - Dinoseb

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- SB-11 (3-5) (Lab ID: 60262738003)
  - 2,4-DCAA (S)

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 6010**
Description: 6010 MET ICP Red. Interference
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
8 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 6010**
Description: 6010 MET ICP
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
3 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 6010**
Description: 6010 MET ICP, Dissolved (LF)
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
3 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 7470**
Description: 7470 Mercury
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
3 samples were analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 7470**
Description: 7470 Mercury, Dissolved (LF)
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
3 samples were analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 7471**
Description: 7471 Mercury
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
8 samples were analyzed for EPA 7471. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 512006

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262507001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2096399)
  - Mercury
- MSD (Lab ID: 2096400)
  - Mercury

R1: RPD value was outside control limits.

- MSD (Lab ID: 2096400)
  - Mercury

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 8270**
Description: 8270 MSSV Semivolatiles
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
8 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 511957

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262738001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2096162)
  - Benzo(b)fluoranthene
  - Benzoic acid
  - Fluoranthene
  - Phenanthrene
  - Pyrene
- MSD (Lab ID: 2096163)
  - Phenanthrene

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 8270**
Description: 8270 MSSV Semivolatiles
Client: TETRA TECH EMI
Date: February 12, 2018

Additional Comments:

Analyte Comments:

QC Batch: 511957

2e: The LCS recovery was below QC limits. The successful recovery of the MS and MSD demonstrate that the analytical system was in control for this QA/QC sample group.

- LCS (Lab ID: 2096161)
  - 2,4-Dimethylphenol

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
3 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 511741

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

QC Batch: 512172

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Analyte Comments:

QC Batch: 511741

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
- SB-10 (Lab ID: 60262738009)
  - 1,2,4-Trichlorobenzene

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 511741

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-10 (Lab ID: 60262738009)
  - 1,2-Dichlorobenzene
  - 1,3-Dichlorobenzene
  - 1,4-Dichlorobenzene
  - 2,4,6-Trichlorophenol
  - 2,4-Dichlorophenol
  - 2,4-Dimethylphenol
  - 2,4-Dinitrophenol
  - 2,4-Dinitrotoluene
  - 2,4,5-Trichlorophenol
  - 2,6-Dinitrotoluene
  - 2-Chloronaphthalene
  - 2-Chlorophenol
  - 2-Methylphenol(o-Cresol)
  - 2-Methylnaphthalene
  - 2-Nitroaniline
  - 2-Nitrophenol
  - 3,3'-Dichlorobenzidine
  - 3&4-Methylphenol(m&p Cresol)
  - 3-Nitroaniline
  - 4,6-Dinitro-2-methylphenol
  - 4-Bromophenylphenyl ether
  - 4-Chloro-3-methylphenol
  - 4-Chloroaniline
  - 4-Chlorophenylphenyl ether
  - 4-Nitroaniline
  - 4-Nitrophenol
  - Acenaphthene
  - Acenaphthylene
  - Anthracene
  - Butylbenzylphthalate
  - Benzoic acid
  - Benzyl alcohol
  - Benzo(k)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(a)anthracene
  - Benzo(b)fluoranthene
  - Benzo(a)pyrene
  - bis(2-Chloroethoxy)methane
  - bis(2-Chloroethyl) ether
  - bis(2-Chloroisopropyl) ether
  - bis(2-Ethylhexyl)phthalate
  - Carbazole

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 511741

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-10 (Lab ID: 60262738009)
  - Chrysene
  - Dibenz(a,h)anthracene
  - Dibenzofuran
  - Dimethylphthalate
  - Di-n-butylphthalate
  - Di-n-octylphthalate
  - Diethylphthalate
  - Fluorene
  - Fluoranthene
  - Hexachloro-1,3-butadiene
  - Hexachlorobenzene
  - Hexachlorocyclopentadiene
  - Hexachloroethane
  - Indeno(1,2,3-cd)pyrene
  - Isophorone
  - Naphthalene
  - N-Nitroso-di-n-propylamine
  - Nitrobenzene
  - N-Nitrosodiphenylamine
  - Phenol
  - Phenanthrene
  - Pentachlorophenol
  - Pyrene
  - Pyridine

QC Batch: 512172

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-12 (Lab ID: 60262738010)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dichlorobenzene
  - 1,3-Dichlorobenzene
  - 1,4-Dichlorobenzene
  - 2,4,6-Trichlorophenol
  - 2,4-Dichlorophenol
  - 2,4-Dimethylphenol
  - 2,4-Dinitrophenol
  - 2,4-Dinitrotoluene
  - 2,4,5-Trichlorophenol
  - 2,6-Dinitrotoluene
  - 2-Chloronaphthalene
  - 2-Chlorophenol
  - 2-Methylphenol(o-Cresol)

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 512172

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-12 (Lab ID: 60262738010)
  - 2-Methylnaphthalene
  - 2-Nitroaniline
  - 2-Nitrophenol
  - 3,3'-Dichlorobenzidine
  - 3&4-Methylphenol(m&p Cresol)
  - 3-Nitroaniline
  - 4,6-Dinitro-2-methylphenol
  - 4-Bromophenylphenyl ether
  - 4-Chloro-3-methylphenol
  - 4-Chloroaniline
  - 4-Chlorophenylphenyl ether
  - 4-Nitroaniline
  - 4-Nitrophenol
  - Acenaphthene
  - Acenaphthylene
  - Anthracene
  - Butylbenzylphthalate
  - Benzoic acid
  - Benzyl alcohol
  - Benzo(k)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(a)anthracene
  - Benzo(b)fluoranthene
  - Benzo(a)pyrene
  - bis(2-Chloroethoxy)methane
  - bis(2-Chloroethyl) ether
  - bis(2-Chloroisopropyl) ether
  - bis(2-Ethylhexyl)phthalate
  - Carbazole
  - Chrysene
  - Dibenz(a,h)anthracene
  - Dibenzofuran
  - Dimethylphthalate
  - Di-n-butylphthalate
  - Di-n-octylphthalate
  - Diethylphthalate
  - Fluorene
  - Fluoranthene
  - Hexachloro-1,3-butadiene
  - Hexachlorobenzene
  - Hexachlorocyclopentadiene
  - Hexachloroethane

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 512172

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-12 (Lab ID: 60262738010)
  - Indeno(1,2,3-cd)pyrene
  - Isophorone
  - Naphthalene
  - N-Nitroso-di-n-propylamine
  - Nitrobenzene
  - N-Nitrosodiphenylamine
  - Phenol
  - Phenanthrene
  - Pentachlorophenol
  - Pyrene
  - Pyridine
- SB-13 (Lab ID: 60262738011)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dichlorobenzene
  - 1,3-Dichlorobenzene
  - 1,4-Dichlorobenzene
  - 2,4,6-Trichlorophenol
  - 2,4-Dichlorophenol
  - 2,4-Dimethylphenol
  - 2,4-Dinitrophenol
  - 2,4-Dinitrotoluene
  - 2,4,5-Trichlorophenol
  - 2,6-Dinitrotoluene
  - 2-Chloronaphthalene
  - 2-Chlorophenol
  - 2-Methylphenol(o-Cresol)
  - 2-Methylnaphthalene
  - 2-Nitroaniline
  - 2-Nitrophenol
  - 3,3'-Dichlorobenzidine
  - 3&4-Methylphenol(m&p Cresol)
  - 3-Nitroaniline
  - 4,6-Dinitro-2-methylphenol
  - 4-Bromophenylphenyl ether
  - 4-Chloro-3-methylphenol
  - 4-Chloroaniline
  - 4-Chlorophenylphenyl ether
  - 4-Nitroaniline
  - 4-Nitrophenol
  - Acenaphthene
  - Acenaphthylene
  - Anthracene

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 512172

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-13 (Lab ID: 60262738011)
  - Butylbenzylphthalate
  - Benzoic acid
  - Benzyl alcohol
  - Benzo(k)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(a)anthracene
  - Benzo(b)fluoranthene
  - Benzo(a)pyrene
  - bis(2-Chloroethoxy)methane
  - bis(2-Chloroethyl) ether
  - bis(2-Chloroisopropyl) ether
  - bis(2-Ethylhexyl)phthalate
  - Carbazole
  - Chrysene
  - Dibenz(a,h)anthracene
  - Dibenzofuran
  - Dimethylphthalate
  - Di-n-butylphthalate
  - Di-n-octylphthalate
  - Diethylphthalate
  - Fluorene
  - Fluoranthene
  - Hexachloro-1,3-butadiene
  - Hexachlorobenzene
  - Hexachlorocyclopentadiene
  - Hexachloroethane
  - Indeno(1,2,3-cd)pyrene
  - Isophorone
  - Naphthalene
  - N-Nitroso-di-n-propylamine
  - Nitrobenzene
  - N-Nitrosodiphenylamine
  - Phenol
  - Phenanthrene
  - Pentachlorophenol
  - Pyrene
  - Pyridine

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 8270**
Description: 8270 MSSV DRO/ORO
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
11 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 511864

S0: Surrogate recovery outside laboratory control limits.

- LCS (Lab ID: 2095780)
  - 2-Fluorobiphenyl (S)

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

- BLANK (Lab ID: 2095779)
  - 2-Fluorobiphenyl (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 511864

B: Analyte was detected in the associated method blank.

- BLANK for HBN 511864 [OEXT/630 (Lab ID: 2095779)
  - TPH-ORO

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 8270**
Description: 8270 MSSV DRO/ORO
Client: TETRA TECH EMI
Date: February 12, 2018

QC Batch: 511914

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Analyte Comments:

QC Batch: 511914

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-10 (Lab ID: 60262738009)
  - TPH-DRO
  - TPH-ORO
- SB-12 (Lab ID: 60262738010)
  - TPH-DRO
  - TPH-ORO
- SB-13 (Lab ID: 60262738011)
  - TPH-DRO
  - TPH-ORO

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 5035A/8260**
Description: 8260 MSV GRO and Oxygenates
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
8 samples were analyzed for EPA 5035A/8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 512196

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 5030B/8260**
Description: 8260 MSV
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
3 samples were analyzed for EPA 5030B/8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 511954

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 8260**
Description: 8260 MSV GRO and Oxygenates
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
3 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 512008

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 8260**
Description: 8260 MSV 5035A VOA
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
8 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 513132

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60263077004

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 2100606)
  - Methyl-tert-butyl ether
  - trans-1,2-Dichloroethene

R1: RPD value was outside control limits.

- MSD (Lab ID: 2100606)
  - 1,2-Dichloroethene (Total)
  - Methyl-tert-butyl ether
  - trans-1,2-Dichloroethene

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **SM 4500-H+B**
Description: 4500H+ pH, Electrometric
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
3 samples were analyzed for SM 4500-H+B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

H6: Analysis initiated outside of the 15 minute EPA required holding time.
- SB-10 (Lab ID: 60262738009)
- SB-12 (Lab ID: 60262738010)
- SB-13 (Lab ID: 60262738011)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 9045**
Description: 9045 pH Soil
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
8 samples were analyzed for EPA 9045. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 353.2**
Description: 353.2 Nitrogen, NO2/NO3 pres.
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
3 samples were analyzed for EPA 353.2. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 512000

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262738009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2096377)
  - Nitrogen, NO2 plus NO3

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Method: **EPA 9056**
Description: 9056 IC Anions
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
11 samples were analyzed for EPA 9056. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 9056 with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-10 (0-1) **Lab ID: 60262738001** Collected: 01/24/18 08:45 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.64**	ug/kg	1.8	0.64	1	02/02/18 13:00	02/05/18 19:51	309-00-2	
alpha-BHC	**<0.28**	ug/kg	1.8	0.28	1	02/02/18 13:00	02/05/18 19:51	319-84-6	
beta-BHC	**<0.95**	ug/kg	3.0	0.95	1	02/02/18 13:00	02/05/18 19:51	319-85-7	
delta-BHC	**<0.86**	ug/kg	2.5	0.86	1	02/02/18 13:00	02/05/18 19:51	319-86-8	
gamma-BHC (Lindane)	**<0.81**	ug/kg	2.5	0.81	1	02/02/18 13:00	02/05/18 19:51	58-89-9	
Chlordane (Technical)	**<50.4**	ug/kg	269	50.4	1	02/02/18 13:00	02/05/18 19:51	57-74-9	
alpha-Chlordane	**<0.71**	ug/kg	3.0	0.71	1	02/02/18 13:00	02/05/18 19:51	5103-71-9	
gamma-Chlordane	**<1.2**	ug/kg	3.0	1.2	1	02/02/18 13:00	02/05/18 19:51	5103-74-2	
4,4'-DDD	**<0.58**	ug/kg	1.8	0.58	1	02/02/18 13:00	02/05/18 19:51	72-54-8	
4,4'-DDE	**<0.56**	ug/kg	1.8	0.56	1	02/02/18 13:00	02/05/18 19:51	72-55-9	
4,4'-DDT	**<1.2**	ug/kg	2.5	1.2	1	02/02/18 13:00	02/05/18 19:51	50-29-3	
Dieldrin	**<0.78**	ug/kg	2.5	0.78	1	02/02/18 13:00	02/05/18 19:51	60-57-1	M1
Endosulfan I	**<0.83**	ug/kg	2.5	0.83	1	02/02/18 13:00	02/05/18 19:51	959-98-8	M1
Endosulfan II	**<0.58**	ug/kg	1.8	0.58	1	02/02/18 13:00	02/05/18 19:51	33213-65-9	
Endosulfan sulfate	**<0.83**	ug/kg	2.5	0.83	1	02/02/18 13:00	02/05/18 19:51	1031-07-8	M1
Endrin	**<0.83**	ug/kg	3.0	0.83	1	02/02/18 13:00	02/05/18 19:51	72-20-8	
Endrin aldehyde	**<0.83**	ug/kg	2.5	0.83	1	02/02/18 13:00	02/05/18 19:51	7421-93-4	
Endrin ketone	**<0.99**	ug/kg	3.6	0.99	1	02/02/18 13:00	02/05/18 19:51	53494-70-5	M1
Heptachlor	**<1.4**	ug/kg	3.6	1.4	1	02/02/18 13:00	02/05/18 19:51	76-44-8	
Heptachlor epoxide	**<3.6**	ug/kg	9.0	3.6	1	02/02/18 13:00	02/05/18 19:51	1024-57-3	
Methoxychlor	**<1.0**	ug/kg	3.6	1.0	1	02/02/18 13:00	02/05/18 19:51	72-43-5	
Toxaphene	**<93.0**	ug/kg	269	93.0	1	02/02/18 13:00	02/05/18 19:51	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	74	%.	70-130		1	02/02/18 13:00	02/05/18 19:51	877-09-8	
Decachlorobiphenyl (S)	72	%.	70-130		1	02/02/18 13:00	02/05/18 19:51	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<6.0**	ug/kg	11.9	6.0	1	02/02/18 13:00	02/05/18 23:03	22248-79-9	
Azinphos, methyl (Guthion)	**<6.0**	ug/kg	11.9	6.0	1	02/02/18 13:00	02/05/18 23:03	86-50-0	
Bolstar	**<6.0**	ug/kg	11.9	6.0	1	02/02/18 13:00	02/05/18 23:03	35400-43-2	
Chlorpyrifos	**<6.0**	ug/kg	11.9	6.0	1	02/02/18 13:00	02/05/18 23:03	2921-88-2	
Coumaphos	**<6.0**	ug/kg	11.9	6.0	1	02/02/18 13:00	02/05/18 23:03	56-72-4	
Diazinon	**<6.0**	ug/kg	11.9	6.0	1	02/02/18 13:00	02/05/18 23:03	333-41-5	
Dichlorvos	**<3.0**	ug/kg	6.0	3.0	1	02/02/18 13:00	02/05/18 23:03	62-73-7	
Dimethoate	**<6.0**	ug/kg	11.9	6.0	1	02/02/18 13:00	02/05/18 23:03	60-51-5	
Disulfoton	**<3.0**	ug/kg	6.0	3.0	1	02/02/18 13:00	02/05/18 23:03	298-04-4	
EPN (ENT)	**<3.8**	ug/kg	6.0	3.8	1	02/02/18 13:00	02/05/18 23:03	2104-64-5	
Ethoprop	**<3.0**	ug/kg	6.0	3.0	1	02/02/18 13:00	02/05/18 23:03	13194-48-4	
Fensulfothion	**<6.0**	ug/kg	11.9	6.0	1	02/02/18 13:00	02/05/18 23:03	115-90-2	
Fenthion	**<3.0**	ug/kg	6.0	3.0	1	02/02/18 13:00	02/05/18 23:03	55-38-9	
Malathion	**<6.0**	ug/kg	11.9	6.0	1	02/02/18 13:00	02/05/18 23:03	121-75-5	
Methyl parathion	**<3.0**	ug/kg	6.0	3.0	1	02/02/18 13:00	02/05/18 23:03	298-00-0	
Mevinphos	**<3.5**	ug/kg	6.0	3.5	1	02/02/18 13:00	02/05/18 23:03	7786-34-7	
Parathion (Ethyl parathion)	**<6.0**	ug/kg	11.9	6.0	1	02/02/18 13:00	02/05/18 23:03	56-38-2	
Phorate	**<3.0**	ug/kg	6.0	3.0	1	02/02/18 13:00	02/05/18 23:03	298-02-2	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-10 (0-1) **Lab ID: 60262738001** Collected: 01/24/18 08:45 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<3.0**	ug/kg	6.0	3.0	1	02/02/18 13:00	02/05/18 23:03	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<3.0**	ug/kg	6.0	3.0	1	02/02/18 13:00	02/05/18 23:03	3689-24-5	
Tokuthion (Prothiofos)	**<3.0**	ug/kg	6.0	3.0	1	02/02/18 13:00	02/05/18 23:03	34643-46-4	
Trichloronate	**<6.0**	ug/kg	11.9	6.0	1	02/02/18 13:00	02/05/18 23:03	327-98-0	
Total Demeton	**<4.9**	ug/kg	6.0	4.9	1	02/02/18 13:00	02/05/18 23:03	8065-48-3	N2
Total Merphos	**<6.0**	ug/kg	23.9	6.0	1	02/02/18 13:00	02/05/18 23:03	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	98	%.	11-137		1	02/02/18 13:00	02/05/18 23:03	115-86-6	
Tributylphosphate (S)	103	%.	17-125		1	02/02/18 13:00	02/05/18 23:03	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<3.0**	ug/kg	3.0	3.0	1	02/05/18 13:19	02/06/18 16:43	94-75-7	
Dalapon	**<3.0**	ug/kg	3.0	3.0	1	02/05/18 13:19	02/06/18 16:43	75-99-0	
2,4-DB	**<3.0**	ug/kg	3.0	3.0	1	02/05/18 13:19	02/06/18 16:43	94-82-6	
Dicamba	**<3.0**	ug/kg	3.0	3.0	1	02/05/18 13:19	02/06/18 16:43	1918-00-9	
Dichloroprop	**<3.0**	ug/kg	3.0	3.0	1	02/05/18 13:19	02/06/18 16:43	15165-67-0	
Dinoseb	**<3.0**	ug/kg	3.0	3.0	1	02/05/18 13:19	02/06/18 16:43	88-85-7	3e
MCPA	**<300**	ug/kg	300	300	1	02/05/18 13:19	02/06/18 16:43	94-74-6	
MCPP	**<300**	ug/kg	300	300	1	02/05/18 13:19	02/06/18 16:43	7085-19-0	
2,4,5-T	**<3.0**	ug/kg	3.0	3.0	1	02/05/18 13:19	02/06/18 16:43	93-76-5	
2,4,5-TP (Silvex)	**<3.0**	ug/kg	3.0	3.0	1	02/05/18 13:19	02/06/18 16:43	93-72-1	
Surrogates									
2,4-DCAA (S)	22	%.	10-188		1	02/05/18 13:19	02/06/18 16:43	19719-28-9	
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**6.1**	mg/kg	1.1	0.46	1	01/30/18 14:45	02/06/18 15:26	7440-38-2	
Barium	**231**	mg/kg	0.56	0.035	1	01/30/18 14:45	02/06/18 15:26	7440-39-3	
Cadmium	**0.11J**	mg/kg	0.56	0.042	1	01/30/18 14:45	02/06/18 15:26	7440-43-9	
Chromium	**16.5**	mg/kg	0.56	0.11	1	01/30/18 14:45	02/06/18 15:26	7440-47-3	
Lead	**12.0**	mg/kg	0.56	0.23	1	01/30/18 14:45	02/06/18 15:26	7439-92-1	
Selenium	**<0.84**	mg/kg	1.7	0.84	1	01/30/18 14:45	02/06/18 15:26	7782-49-2	
Silver	**<0.19**	mg/kg	0.79	0.19	1	01/30/18 14:45	02/06/18 15:26	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.051J**	mg/kg	0.053	0.0071	1	01/29/18 09:15	01/29/18 12:40	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**135J**	ug/kg	393	41.7	1	01/26/18 15:00	01/30/18 19:43	83-32-9	
Acenaphthylene	**<37.0**	ug/kg	393	37.0	1	01/26/18 15:00	01/30/18 19:43	208-96-8	
Anthracene	**257J**	ug/kg	393	41.7	1	01/26/18 15:00	01/30/18 19:43	120-12-7	
Benzo(a)anthracene	**653**	ug/kg	393	35.8	1	01/26/18 15:00	01/30/18 19:43	56-55-3	
Benzo(a)pyrene	**621**	ug/kg	393	31.0	1	01/26/18 15:00	01/30/18 19:43	50-32-8	
Benzo(b)fluoranthene	**1120**	ug/kg	393	27.4	1	01/26/18 15:00	01/30/18 19:43	205-99-2	M1
Benzo(g,h,i)perylene	**397**	ug/kg	393	38.1	1	01/26/18 15:00	01/30/18 19:43	191-24-2	
Benzo(k)fluoranthene	**<46.5**	ug/kg	393	46.5	1	01/26/18 15:00	01/30/18 19:43	207-08-9	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-10 (0-1) **Lab ID: 60262738001** Collected: 01/24/18 08:45 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<37.0**	ug/kg	1990	37.0	1	01/26/18 15:00	01/30/18 19:43	65-85-0	M1
Benzyl alcohol	**<123**	ug/kg	787	123	1	01/26/18 15:00	01/30/18 19:43	100-51-6	
4-Bromophenylphenyl ether	**<31.0**	ug/kg	393	31.0	1	01/26/18 15:00	01/30/18 19:43	101-55-3	
Butylbenzylphthalate	**<51.3**	ug/kg	393	51.3	1	01/26/18 15:00	01/30/18 19:43	85-68-7	
Carbazole	**98.0J**	ug/kg	393	32.2	1	01/26/18 15:00	01/30/18 19:43	86-74-8	
4-Chloro-3-methylphenol	**<42.9**	ug/kg	787	42.9	1	01/26/18 15:00	01/30/18 19:43	59-50-7	
4-Chloroaniline	**<77.5**	ug/kg	787	77.5	1	01/26/18 15:00	01/30/18 19:43	106-47-8	
bis(2-Chloroethoxy)methane	**<31.0**	ug/kg	393	31.0	1	01/26/18 15:00	01/30/18 19:43	111-91-1	
bis(2-Chloroethyl) ether	**<31.0**	ug/kg	393	31.0	1	01/26/18 15:00	01/30/18 19:43	111-44-4	
bis(2-Chloroisopropyl) ether	**<31.0**	ug/kg	393	31.0	1	01/26/18 15:00	01/30/18 19:43	39638-32-9	
2-Chloronaphthalene	**<33.4**	ug/kg	393	33.4	1	01/26/18 15:00	01/30/18 19:43	91-58-7	
2-Chlorophenol	**<32.2**	ug/kg	393	32.2	1	01/26/18 15:00	01/30/18 19:43	95-57-8	
4-Chlorophenylphenyl ether	**<38.1**	ug/kg	393	38.1	1	01/26/18 15:00	01/30/18 19:43	7005-72-3	
Chrysene	**673**	ug/kg	393	33.4	1	01/26/18 15:00	01/30/18 19:43	218-01-9	
Dibenz(a,h)anthracene	**104J**	ug/kg	393	35.8	1	01/26/18 15:00	01/30/18 19:43	53-70-3	
Dibenzofuran	**53.4J**	ug/kg	393	35.8	1	01/26/18 15:00	01/30/18 19:43	132-64-9	
1,2-Dichlorobenzene	**<29.8**	ug/kg	393	29.8	1	01/26/18 15:00	01/30/18 19:43	95-50-1	
1,3-Dichlorobenzene	**<33.4**	ug/kg	393	33.4	1	01/26/18 15:00	01/30/18 19:43	541-73-1	
1,4-Dichlorobenzene	**<34.6**	ug/kg	393	34.6	1	01/26/18 15:00	01/30/18 19:43	106-46-7	
3,3'-Dichlorobenzidine	**<135**	ug/kg	787	135	1	01/26/18 15:00	01/30/18 19:43	91-94-1	
2,4-Dichlorophenol	**<35.8**	ug/kg	393	35.8	1	01/26/18 15:00	01/30/18 19:43	120-83-2	
Diethylphthalate	**<37.0**	ug/kg	393	37.0	1	01/26/18 15:00	01/30/18 19:43	84-66-2	
2,4-Dimethylphenol	**<21.5**	ug/kg	393	21.5	1	01/26/18 15:00	01/30/18 19:43	105-67-9	
Dimethylphthalate	**<38.1**	ug/kg	393	38.1	1	01/26/18 15:00	01/30/18 19:43	131-11-3	
Di-n-butylphthalate	**<41.7**	ug/kg	393	41.7	1	01/26/18 15:00	01/30/18 19:43	84-74-2	
4,6-Dinitro-2-methylphenol	**<52.5**	ug/kg	1990	52.5	1	01/26/18 15:00	01/30/18 19:43	534-52-1	
2,4-Dinitrophenol	**<57.2**	ug/kg	1990	57.2	1	01/26/18 15:00	01/30/18 19:43	51-28-5	
2,4-Dinitrotoluene	**<33.4**	ug/kg	393	33.4	1	01/26/18 15:00	01/30/18 19:43	121-14-2	
2,6-Dinitrotoluene	**<40.5**	ug/kg	393	40.5	1	01/26/18 15:00	01/30/18 19:43	606-20-2	
Di-n-octylphthalate	**<46.5**	ug/kg	393	46.5	1	01/26/18 15:00	01/30/18 19:43	117-84-0	
bis(2-Ethylhexyl)phthalate	**<136**	ug/kg	393	136	1	01/26/18 15:00	01/30/18 19:43	117-81-7	
Fluoranthene	**1610**	ug/kg	393	37.0	1	01/26/18 15:00	01/30/18 19:43	206-44-0	M1
Fluorene	**123J**	ug/kg	393	37.0	1	01/26/18 15:00	01/30/18 19:43	86-73-7	
Hexachloro-1,3-butadiene	**<39.3**	ug/kg	393	39.3	1	01/26/18 15:00	01/30/18 19:43	87-68-3	
Hexachlorobenzene	**<38.1**	ug/kg	393	38.1	1	01/26/18 15:00	01/30/18 19:43	118-74-1	
Hexachlorocyclopentadiene	**<83.5**	ug/kg	393	83.5	1	01/26/18 15:00	01/30/18 19:43	77-47-4	
Hexachloroethane	**<29.8**	ug/kg	393	29.8	1	01/26/18 15:00	01/30/18 19:43	67-72-1	
Indeno(1,2,3-cd)pyrene	**350J**	ug/kg	393	42.9	1	01/26/18 15:00	01/30/18 19:43	193-39-5	
Isophorone	**<35.8**	ug/kg	393	35.8	1	01/26/18 15:00	01/30/18 19:43	78-59-1	
2-Methylnaphthalene	**<28.6**	ug/kg	393	28.6	1	01/26/18 15:00	01/30/18 19:43	91-57-6	
2-Methylphenol(o-Cresol)	**<37.0**	ug/kg	393	37.0	1	01/26/18 15:00	01/30/18 19:43	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<42.9**	ug/kg	393	42.9	1	01/26/18 15:00	01/30/18 19:43		
Naphthalene	**<31.0**	ug/kg	393	31.0	1	01/26/18 15:00	01/30/18 19:43	91-20-3	
2-Nitroaniline	**<66.8**	ug/kg	787	66.8	1	01/26/18 15:00	01/30/18 19:43	88-74-4	
3-Nitroaniline	**<119**	ug/kg	787	119	1	01/26/18 15:00	01/30/18 19:43	99-09-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-10 (0-1) **Lab ID: 60262738001** Collected: 01/24/18 08:45 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<101**	ug/kg	787	101	1	01/26/18 15:00	01/30/18 19:43	100-01-6	
Nitrobenzene	**<37.0**	ug/kg	393	37.0	1	01/26/18 15:00	01/30/18 19:43	98-95-3	
2-Nitrophenol	**<54.8**	ug/kg	393	54.8	1	01/26/18 15:00	01/30/18 19:43	88-75-5	
4-Nitrophenol	**<62.0**	ug/kg	1990	62.0	1	01/26/18 15:00	01/30/18 19:43	100-02-7	
N-Nitroso-di-n-propylamine	**<39.3**	ug/kg	393	39.3	1	01/26/18 15:00	01/30/18 19:43	621-64-7	
N-Nitrosodiphenylamine	**<31.0**	ug/kg	393	31.0	1	01/26/18 15:00	01/30/18 19:43	86-30-6	
Pentachlorophenol	**<37.0**	ug/kg	1990	37.0	1	01/26/18 15:00	01/30/18 19:43	87-86-5	
Phenanthrene	**1240**	ug/kg	393	37.0	1	01/26/18 15:00	01/30/18 19:43	85-01-8	M1
Phenol	**<31.0**	ug/kg	393	31.0	1	01/26/18 15:00	01/30/18 19:43	108-95-2	
Pyrene	**1450**	ug/kg	393	39.3	1	01/26/18 15:00	01/30/18 19:43	129-00-0	M1
Pyridine	**<32.2**	ug/kg	393	32.2	1	01/26/18 15:00	01/30/18 19:43	110-86-1	
1,2,4-Trichlorobenzene	**<35.8**	ug/kg	393	35.8	1	01/26/18 15:00	01/30/18 19:43	120-82-1	
2,4,5-Trichlorophenol	**<35.8**	ug/kg	393	35.8	1	01/26/18 15:00	01/30/18 19:43	95-95-4	
2,4,6-Trichlorophenol	**<37.0**	ug/kg	393	37.0	1	01/26/18 15:00	01/30/18 19:43	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	76	%	41-114		1	01/26/18 15:00	01/30/18 19:43	4165-60-0	
2-Fluorobiphenyl (S)	80	%	61-109		1	01/26/18 15:00	01/30/18 19:43	321-60-8	
Terphenyl-d14 (S)	86	%	48-120		1	01/26/18 15:00	01/30/18 19:43	1718-51-0	
Phenol-d6 (S)	79	%	48-102		1	01/26/18 15:00	01/30/18 19:43	13127-88-3	
2-Fluorophenol (S)	69	%	46-102		1	01/26/18 15:00	01/30/18 19:43	367-12-4	
2,4,6-Tribromophenol (S)	49	%	39-114		1	01/26/18 15:00	01/30/18 19:43	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**37.4**	mg/kg	17.7	1.4	1	01/25/18 15:00	01/31/18 07:16		
TPH-DRO	**3.4J**	mg/kg	17.7	1.4	1	01/25/18 15:00	01/31/18 07:16		
Surrogates									
Nitrobenzene-d5 (S)	92	%	41-114		1	01/25/18 15:00	01/31/18 07:16	4165-60-0	
2-Fluorobiphenyl (S)	89	%	61-109		1	01/25/18 15:00	01/31/18 07:16	321-60-8	
Terphenyl-d14 (S)	81	%	48-120		1	01/25/18 15:00	01/31/18 07:16	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.31**	mg/kg	0.61	0.31	1		01/25/18 20:00		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**97.6**	ug/kg	21.0	10.5	1		02/06/18 15:09	67-64-1	
Benzene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	71-43-2	
Bromobenzene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	108-86-1	
Bromochloromethane	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	74-97-5	
Bromodichloromethane	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	75-27-4	
Bromoform	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	75-25-2	
Bromomethane	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	74-83-9	
2-Butanone (MEK)	**11.7**	ug/kg	10.5	5.3	1		02/06/18 15:09	78-93-3	
n-Butylbenzene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	104-51-8	
sec-Butylbenzene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	135-98-8	
tert-Butylbenzene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	98-06-6	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-10 (0-1) **Lab ID: 60262738001** Collected: 01/24/18 08:45 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	75-15-0	
Carbon tetrachloride	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	56-23-5	
Chlorobenzene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	108-90-7	
Chloroethane	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	75-00-3	
Chloroform	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	67-66-3	
Chloromethane	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	74-87-3	
2-Chlorotoluene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	95-49-8	
4-Chlorotoluene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.3**	ug/kg	10.5	5.3	1		02/06/18 15:09	96-12-8	
Dibromochloromethane	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	124-48-1	
1,2-Dibromoethane (EDB)	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	106-93-4	
Dibromomethane	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	74-95-3	
1,2-Dichlorobenzene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	95-50-1	
1,3-Dichlorobenzene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	541-73-1	
1,4-Dichlorobenzene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	106-46-7	
Dichlorodifluoromethane	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	75-71-8	
1,1-Dichloroethane	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	75-34-3	
1,2-Dichloroethane	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	107-06-2	
1,2-Dichloroethene (Total)	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	540-59-0	
1,1-Dichloroethene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	75-35-4	
cis-1,2-Dichloroethene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	156-59-2	
trans-1,2-Dichloroethene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	156-60-5	
1,2-Dichloropropane	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	78-87-5	
1,3-Dichloropropane	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	142-28-9	
2,2-Dichloropropane	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	594-20-7	
1,1-Dichloropropene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	563-58-6	
cis-1,3-Dichloropropene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	10061-01-5	
trans-1,3-Dichloropropene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	10061-02-6	
Ethylbenzene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	100-41-4	
Hexachloro-1,3-butadiene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	87-68-3	
2-Hexanone	**<10.5**	ug/kg	21.0	10.5	1		02/06/18 15:09	591-78-6	
Isopropylbenzene (Cumene)	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	98-82-8	
p-Isopropyltoluene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	99-87-6	
Methylene chloride	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.3**	ug/kg	10.5	5.3	1		02/06/18 15:09	108-10-1	
Methyl-tert-butyl ether	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	1634-04-4	
Naphthalene	**<5.3**	ug/kg	10.5	5.3	1		02/06/18 15:09	91-20-3	
n-Propylbenzene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	103-65-1	
Styrene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	79-34-5	
Tetrachloroethene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	127-18-4	
Toluene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	108-88-3	
1,2,3-Trichlorobenzene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	87-61-6	
1,2,4-Trichlorobenzene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	120-82-1	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-10 (0-1) **Lab ID: 60262738001** Collected: 01/24/18 08:45 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**6.2**	ug/kg	5.3	2.6	1		02/06/18 15:09	71-55-6	
1,1,2-Trichloroethane	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	79-00-5	
Trichloroethene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	79-01-6	
Trichlorofluoromethane	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	75-69-4	
1,2,3-Trichloropropane	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	96-18-4	
1,2,4-Trimethylbenzene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	95-63-6	
1,3,5-Trimethylbenzene	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	108-67-8	
Vinyl chloride	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	75-01-4	
Xylene (Total)	**<2.6**	ug/kg	5.3	2.6	1		02/06/18 15:09	1330-20-7	
Surrogates									
Toluene-d8 (S)	101	%	78-122		1		02/06/18 15:09	2037-26-5	
4-Bromofluorobenzene (S)	104	%	69-133		1		02/06/18 15:09	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	80-123		1		02/06/18 15:09	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**17.5**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**10.4**	Std. Units	0.10	0.10	1		02/01/18 13:20		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**976**	mg/kg	120	60.2	10	02/05/18 08:00	02/06/18 05:48	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**40.1**	mg/kg	12.0	6.0	10	02/05/18 16:00	02/06/18 05:48	14797-55-8	
Nitrite as N	**<6.0**	mg/kg	12.0	6.0	10	02/05/18 16:00	02/06/18 05:48	14797-65-0	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-10 (3-5) **Lab ID: 60262738002** Collected: 01/24/18 08:55 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.67**	ug/kg	1.9	0.67	1	02/02/18 13:00	02/05/18 20:05	309-00-2	
alpha-BHC	**<0.30**	ug/kg	1.9	0.30	1	02/02/18 13:00	02/05/18 20:05	319-84-6	
beta-BHC	**<1.0**	ug/kg	3.2	1.0	1	02/02/18 13:00	02/05/18 20:05	319-85-7	
delta-BHC	**<0.91**	ug/kg	2.7	0.91	1	02/02/18 13:00	02/05/18 20:05	319-86-8	
gamma-BHC (Lindane)	**<0.85**	ug/kg	2.7	0.85	1	02/02/18 13:00	02/05/18 20:05	58-89-9	
Chlordane (Technical)	**<53.4**	ug/kg	285	53.4	1	02/02/18 13:00	02/05/18 20:05	57-74-9	
alpha-Chlordane	**<0.76**	ug/kg	3.2	0.76	1	02/02/18 13:00	02/05/18 20:05	5103-71-9	
gamma-Chlordane	**<1.3**	ug/kg	3.2	1.3	1	02/02/18 13:00	02/05/18 20:05	5103-74-2	
4,4'-DDD	**<0.62**	ug/kg	1.9	0.62	1	02/02/18 13:00	02/05/18 20:05	72-54-8	
4,4'-DDE	**<0.59**	ug/kg	1.9	0.59	1	02/02/18 13:00	02/05/18 20:05	72-55-9	
4,4'-DDT	**<1.2**	ug/kg	2.7	1.2	1	02/02/18 13:00	02/05/18 20:05	50-29-3	
Dieldrin	**<0.82**	ug/kg	2.7	0.82	1	02/02/18 13:00	02/05/18 20:05	60-57-1	
Endosulfan I	**<0.88**	ug/kg	2.7	0.88	1	02/02/18 13:00	02/05/18 20:05	959-98-8	
Endosulfan II	**<0.61**	ug/kg	1.9	0.61	1	02/02/18 13:00	02/05/18 20:05	33213-65-9	
Endosulfan sulfate	**<0.87**	ug/kg	2.7	0.87	1	02/02/18 13:00	02/05/18 20:05	1031-07-8	
Endrin	**<0.88**	ug/kg	3.2	0.88	1	02/02/18 13:00	02/05/18 20:05	72-20-8	
Endrin aldehyde	**<0.88**	ug/kg	2.7	0.88	1	02/02/18 13:00	02/05/18 20:05	7421-93-4	
Endrin ketone	**<1.0**	ug/kg	3.8	1.0	1	02/02/18 13:00	02/05/18 20:05	53494-70-5	
Heptachlor	**<1.4**	ug/kg	3.8	1.4	1	02/02/18 13:00	02/05/18 20:05	76-44-8	
Heptachlor epoxide	**<3.8**	ug/kg	9.5	3.8	1	02/02/18 13:00	02/05/18 20:05	1024-57-3	
Methoxychlor	**<1.1**	ug/kg	3.8	1.1	1	02/02/18 13:00	02/05/18 20:05	72-43-5	
Toxaphene	**<98.4**	ug/kg	285	98.4	1	02/02/18 13:00	02/05/18 20:05	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	69	%.	70-130		1	02/02/18 13:00	02/05/18 20:05	877-09-8	S1
Decachlorobiphenyl (S)	79	%.	70-130		1	02/02/18 13:00	02/05/18 20:05	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<6.3**	ug/kg	12.6	6.3	1	02/02/18 13:00	02/05/18 19:53	22248-79-9	
Azinphos, methyl (Guthion)	**<6.3**	ug/kg	12.6	6.3	1	02/02/18 13:00	02/05/18 19:53	86-50-0	
Bolstar	**<6.3**	ug/kg	12.6	6.3	1	02/02/18 13:00	02/05/18 19:53	35400-43-2	
Chlorpyrifos	**<6.3**	ug/kg	12.6	6.3	1	02/02/18 13:00	02/05/18 19:53	2921-88-2	
Coumaphos	**<6.3**	ug/kg	12.6	6.3	1	02/02/18 13:00	02/05/18 19:53	56-72-4	
Demeton-O	**<5.2**	ug/kg	6.3	5.2	1	02/02/18 13:00	02/05/18 19:53	298-03-3	
Demeton-S	**<1.6**	ug/kg	3.2	1.6	1	02/02/18 13:00	02/05/18 19:53	126-75-0	
Diazinon	**<6.3**	ug/kg	12.6	6.3	1	02/02/18 13:00	02/05/18 19:53	333-41-5	
Dichlorvos	**<3.2**	ug/kg	6.3	3.2	1	02/02/18 13:00	02/05/18 19:53	62-73-7	
Dimethoate	**<6.3**	ug/kg	12.6	6.3	1	02/02/18 13:00	02/05/18 19:53	60-51-5	
Disulfoton	**<3.2**	ug/kg	6.3	3.2	1	02/02/18 13:00	02/05/18 19:53	298-04-4	
EPN (ENT)	**<4.0**	ug/kg	6.3	4.0	1	02/02/18 13:00	02/05/18 19:53	2104-64-5	
Ethoprop	**<3.2**	ug/kg	6.3	3.2	1	02/02/18 13:00	02/05/18 19:53	13194-48-4	
Fensulfothion	**<6.3**	ug/kg	12.6	6.3	1	02/02/18 13:00	02/05/18 19:53	115-90-2	
Fenthion	**<3.2**	ug/kg	6.3	3.2	1	02/02/18 13:00	02/05/18 19:53	55-38-9	
Malathion	**<6.3**	ug/kg	12.6	6.3	1	02/02/18 13:00	02/05/18 19:53	121-75-5	
Merphos	**<6.3**	ug/kg	12.6	6.3	1	02/02/18 13:00	02/05/18 19:53	150-50-5	L2,M0
Methyl parathion	**<3.2**	ug/kg	6.3	3.2	1	02/02/18 13:00	02/05/18 19:53	298-00-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-10 (3-5) **Lab ID: 60262738002** Collected: 01/24/18 08:55 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Mevinphos	**<3.7**	ug/kg	6.3	3.7	1	02/02/18 13:00	02/05/18 19:53	7786-34-7	
Merphos-Oxone	**<6.3**	ug/kg	12.6	6.3	1	02/02/18 13:00	02/05/18 19:53	78-48-8	N2
Parathion (Ethyl parathion)	**<6.3**	ug/kg	12.6	6.3	1	02/02/18 13:00	02/05/18 19:53	56-38-2	
Phorate	**<3.2**	ug/kg	6.3	3.2	1	02/02/18 13:00	02/05/18 19:53	298-02-2	
Ronnel	**<3.2**	ug/kg	6.3	3.2	1	02/02/18 13:00	02/05/18 19:53	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<3.2**	ug/kg	6.3	3.2	1	02/02/18 13:00	02/05/18 19:53	3689-24-5	
Tokuthion (Prothiofos)	**<3.2**	ug/kg	6.3	3.2	1	02/02/18 13:00	02/05/18 19:53	34643-46-4	
Trichloronate	**<6.3**	ug/kg	12.6	6.3	1	02/02/18 13:00	02/05/18 19:53	327-98-0	
Total Demeton	**<5.2**	ug/kg	6.3	5.2	1	02/02/18 13:00	02/05/18 19:53	8065-48-3	N2
Total Merphos	**<6.3**	ug/kg	25.3	6.3	1	02/02/18 13:00	02/05/18 19:53	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	98	%.	11-137		1	02/02/18 13:00	02/05/18 19:53	115-86-6	
Tributylphosphate (S)	104	%.	17-125		1	02/02/18 13:00	02/05/18 19:53	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<3.1**	ug/kg	3.1	3.1	1	02/05/18 13:19	02/06/18 17:08	94-75-7	
Dalapon	**<3.1**	ug/kg	3.1	3.1	1	02/05/18 13:19	02/06/18 17:08	75-99-0	
2,4-DB	**<3.1**	ug/kg	3.1	3.1	1	02/05/18 13:19	02/06/18 17:08	94-82-6	
Dicamba	**<3.1**	ug/kg	3.1	3.1	1	02/05/18 13:19	02/06/18 17:08	1918-00-9	
Dichloroprop	**<3.1**	ug/kg	3.1	3.1	1	02/05/18 13:19	02/06/18 17:08	15165-67-0	
Dinoseb	**<3.1**	ug/kg	3.1	3.1	1	02/05/18 13:19	02/06/18 17:08	88-85-7	3e
MCPA	**<314**	ug/kg	314	314	1	02/05/18 13:19	02/06/18 17:08	94-74-6	
MCPP	**<314**	ug/kg	314	314	1	02/05/18 13:19	02/06/18 17:08	7085-19-0	
2,4,5-T	**<3.1**	ug/kg	3.1	3.1	1	02/05/18 13:19	02/06/18 17:08	93-76-5	
2,4,5-TP (Silvex)	**<3.1**	ug/kg	3.1	3.1	1	02/05/18 13:19	02/06/18 17:08	93-72-1	
Surrogates									
2,4-DCAA (S)	7	%.	10-188		1	02/05/18 13:19	02/06/18 17:08	19719-28-9	S1
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**6.7**	mg/kg	1.2	0.50	1	01/30/18 14:45	02/06/18 15:32	7440-38-2	
Barium	**220**	mg/kg	0.61	0.038	1	01/30/18 14:45	02/06/18 15:32	7440-39-3	
Cadmium	**0.050J**	mg/kg	0.61	0.045	1	01/30/18 14:45	02/06/18 15:32	7440-43-9	
Chromium	**17.2**	mg/kg	0.61	0.12	1	01/30/18 14:45	02/06/18 15:32	7440-47-3	
Lead	**10.7**	mg/kg	0.61	0.25	1	01/30/18 14:45	02/06/18 15:32	7439-92-1	
Selenium	**<0.91**	mg/kg	1.8	0.91	1	01/30/18 14:45	02/06/18 15:32	7782-49-2	
Silver	**<0.20**	mg/kg	0.85	0.20	1	01/30/18 14:45	02/06/18 15:32	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.018J**	mg/kg	0.053	0.0070	1	01/29/18 09:15	01/29/18 12:42	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<43.2**	ug/kg	407	43.2	1	01/26/18 15:00	01/30/18 20:04	83-32-9	
Acenaphthylene	**<38.2**	ug/kg	407	38.2	1	01/26/18 15:00	01/30/18 20:04	208-96-8	
Anthracene	**<43.2**	ug/kg	407	43.2	1	01/26/18 15:00	01/30/18 20:04	120-12-7	
Benzo(a)anthracene	**<37.0**	ug/kg	407	37.0	1	01/26/18 15:00	01/30/18 20:04	56-55-3	

REPORT OF LABORATORY ANALYSIS

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-10 (3-5) **Lab ID: 60262738002** Collected: 01/24/18 08:55 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzo(a)pyrene	**<32.1**	ug/kg	407	32.1	1	01/26/18 15:00	01/30/18 20:04	50-32-8	
Benzo(b)fluoranthene	**<28.4**	ug/kg	407	28.4	1	01/26/18 15:00	01/30/18 20:04	205-99-2	
Benzo(g,h,i)perylene	**<39.5**	ug/kg	407	39.5	1	01/26/18 15:00	01/30/18 20:04	191-24-2	
Benzo(k)fluoranthene	**<48.1**	ug/kg	407	48.1	1	01/26/18 15:00	01/30/18 20:04	207-08-9	
Benzoic acid	**<38.2**	ug/kg	2060	38.2	1	01/26/18 15:00	01/30/18 20:04	65-85-0	
Benzyl alcohol	**<127**	ug/kg	814	127	1	01/26/18 15:00	01/30/18 20:04	100-51-6	
4-Bromophenylphenyl ether	**<32.1**	ug/kg	407	32.1	1	01/26/18 15:00	01/30/18 20:04	101-55-3	
Butylbenzylphthalate	**<53.0**	ug/kg	407	53.0	1	01/26/18 15:00	01/30/18 20:04	85-68-7	
Carbazole	**<33.3**	ug/kg	407	33.3	1	01/26/18 15:00	01/30/18 20:04	86-74-8	
4-Chloro-3-methylphenol	**<44.4**	ug/kg	814	44.4	1	01/26/18 15:00	01/30/18 20:04	59-50-7	
4-Chloroaniline	**<80.2**	ug/kg	814	80.2	1	01/26/18 15:00	01/30/18 20:04	106-47-8	
bis(2-Chloroethoxy)methane	**<32.1**	ug/kg	407	32.1	1	01/26/18 15:00	01/30/18 20:04	111-91-1	
bis(2-Chloroethyl) ether	**<32.1**	ug/kg	407	32.1	1	01/26/18 15:00	01/30/18 20:04	111-44-4	
bis(2-Chloroisopropyl) ether	**<32.1**	ug/kg	407	32.1	1	01/26/18 15:00	01/30/18 20:04	39638-32-9	
2-Chloronaphthalene	**<34.5**	ug/kg	407	34.5	1	01/26/18 15:00	01/30/18 20:04	91-58-7	
2-Chlorophenol	**<33.3**	ug/kg	407	33.3	1	01/26/18 15:00	01/30/18 20:04	95-57-8	
4-Chlorophenylphenyl ether	**<39.5**	ug/kg	407	39.5	1	01/26/18 15:00	01/30/18 20:04	7005-72-3	
Chrysene	**<34.5**	ug/kg	407	34.5	1	01/26/18 15:00	01/30/18 20:04	218-01-9	
Dibenz(a,h)anthracene	**<37.0**	ug/kg	407	37.0	1	01/26/18 15:00	01/30/18 20:04	53-70-3	
Dibenzofuran	**<37.0**	ug/kg	407	37.0	1	01/26/18 15:00	01/30/18 20:04	132-64-9	
1,2-Dichlorobenzene	**<30.8**	ug/kg	407	30.8	1	01/26/18 15:00	01/30/18 20:04	95-50-1	
1,3-Dichlorobenzene	**<34.5**	ug/kg	407	34.5	1	01/26/18 15:00	01/30/18 20:04	541-73-1	
1,4-Dichlorobenzene	**<35.8**	ug/kg	407	35.8	1	01/26/18 15:00	01/30/18 20:04	106-46-7	
3,3'-Dichlorobenzidine	**<139**	ug/kg	814	139	1	01/26/18 15:00	01/30/18 20:04	91-94-1	
2,4-Dichlorophenol	**<37.0**	ug/kg	407	37.0	1	01/26/18 15:00	01/30/18 20:04	120-83-2	
Diethylphthalate	**<38.2**	ug/kg	407	38.2	1	01/26/18 15:00	01/30/18 20:04	84-66-2	
2,4-Dimethylphenol	**<22.2**	ug/kg	407	22.2	1	01/26/18 15:00	01/30/18 20:04	105-67-9	
Dimethylphthalate	**<39.5**	ug/kg	407	39.5	1	01/26/18 15:00	01/30/18 20:04	131-11-3	
Di-n-butylphthalate	**<43.2**	ug/kg	407	43.2	1	01/26/18 15:00	01/30/18 20:04	84-74-2	
4,6-Dinitro-2-methylphenol	**<54.3**	ug/kg	2060	54.3	1	01/26/18 15:00	01/30/18 20:04	534-52-1	
2,4-Dinitrophenol	**<59.2**	ug/kg	2060	59.2	1	01/26/18 15:00	01/30/18 20:04	51-28-5	
2,4-Dinitrotoluene	**<34.5**	ug/kg	407	34.5	1	01/26/18 15:00	01/30/18 20:04	121-14-2	
2,6-Dinitrotoluene	**<41.9**	ug/kg	407	41.9	1	01/26/18 15:00	01/30/18 20:04	606-20-2	
Di-n-octylphthalate	**<48.1**	ug/kg	407	48.1	1	01/26/18 15:00	01/30/18 20:04	117-84-0	
bis(2-Ethylhexyl)phthalate	**<141**	ug/kg	407	141	1	01/26/18 15:00	01/30/18 20:04	117-81-7	
Fluoranthene	**<38.2**	ug/kg	407	38.2	1	01/26/18 15:00	01/30/18 20:04	206-44-0	
Fluorene	**<38.2**	ug/kg	407	38.2	1	01/26/18 15:00	01/30/18 20:04	86-73-7	
Hexachloro-1,3-butadiene	**<40.7**	ug/kg	407	40.7	1	01/26/18 15:00	01/30/18 20:04	87-68-3	
Hexachlorobenzene	**<39.5**	ug/kg	407	39.5	1	01/26/18 15:00	01/30/18 20:04	118-74-1	
Hexachlorocyclopentadiene	**<86.4**	ug/kg	407	86.4	1	01/26/18 15:00	01/30/18 20:04	77-47-4	
Hexachloroethane	**<30.8**	ug/kg	407	30.8	1	01/26/18 15:00	01/30/18 20:04	67-72-1	
Indeno(1,2,3-cd)pyrene	**<44.4**	ug/kg	407	44.4	1	01/26/18 15:00	01/30/18 20:04	193-39-5	
Isophorone	**<37.0**	ug/kg	407	37.0	1	01/26/18 15:00	01/30/18 20:04	78-59-1	
2-Methylnaphthalene	**<29.6**	ug/kg	407	29.6	1	01/26/18 15:00	01/30/18 20:04	91-57-6	
2-Methylphenol(o-Cresol)	**<38.2**	ug/kg	407	38.2	1	01/26/18 15:00	01/30/18 20:04	95-48-7	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-10 (3-5) **Lab ID: 60262738002** Collected: 01/24/18 08:55 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
3&4-Methylphenol(m&p Cresol)	**<44.4**	ug/kg	407	44.4	1	01/26/18 15:00	01/30/18 20:04		
Naphthalene	**<32.1**	ug/kg	407	32.1	1	01/26/18 15:00	01/30/18 20:04	91-20-3	
2-Nitroaniline	**<69.1**	ug/kg	814	69.1	1	01/26/18 15:00	01/30/18 20:04	88-74-4	
3-Nitroaniline	**<123**	ug/kg	814	123	1	01/26/18 15:00	01/30/18 20:04	99-09-2	
4-Nitroaniline	**<105**	ug/kg	814	105	1	01/26/18 15:00	01/30/18 20:04	100-01-6	
Nitrobenzene	**<38.2**	ug/kg	407	38.2	1	01/26/18 15:00	01/30/18 20:04	98-95-3	
2-Nitrophenol	**<56.8**	ug/kg	407	56.8	1	01/26/18 15:00	01/30/18 20:04	88-75-5	
4-Nitrophenol	**<64.2**	ug/kg	2060	64.2	1	01/26/18 15:00	01/30/18 20:04	100-02-7	
N-Nitroso-di-n-propylamine	**<40.7**	ug/kg	407	40.7	1	01/26/18 15:00	01/30/18 20:04	621-64-7	
N-Nitrosodiphenylamine	**<32.1**	ug/kg	407	32.1	1	01/26/18 15:00	01/30/18 20:04	86-30-6	
Pentachlorophenol	**<38.2**	ug/kg	2060	38.2	1	01/26/18 15:00	01/30/18 20:04	87-86-5	
Phenanthrene	**<38.2**	ug/kg	407	38.2	1	01/26/18 15:00	01/30/18 20:04	85-01-8	
Phenol	**<32.1**	ug/kg	407	32.1	1	01/26/18 15:00	01/30/18 20:04	108-95-2	
Pyrene	**<40.7**	ug/kg	407	40.7	1	01/26/18 15:00	01/30/18 20:04	129-00-0	
Pyridine	**<33.3**	ug/kg	407	33.3	1	01/26/18 15:00	01/30/18 20:04	110-86-1	
1,2,4-Trichlorobenzene	**<37.0**	ug/kg	407	37.0	1	01/26/18 15:00	01/30/18 20:04	120-82-1	
2,4,5-Trichlorophenol	**<37.0**	ug/kg	407	37.0	1	01/26/18 15:00	01/30/18 20:04	95-95-4	
2,4,6-Trichlorophenol	**<38.2**	ug/kg	407	38.2	1	01/26/18 15:00	01/30/18 20:04	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	74	%	41-114		1	01/26/18 15:00	01/30/18 20:04	4165-60-0	
2-Fluorobiphenyl (S)	77	%	61-109		1	01/26/18 15:00	01/30/18 20:04	321-60-8	
Terphenyl-d14 (S)	81	%	48-120		1	01/26/18 15:00	01/30/18 20:04	1718-51-0	
Phenol-d6 (S)	78	%	48-102		1	01/26/18 15:00	01/30/18 20:04	13127-88-3	
2-Fluorophenol (S)	76	%	46-102		1	01/26/18 15:00	01/30/18 20:04	367-12-4	
2,4,6-Tribromophenol (S)	86	%	39-114		1	01/26/18 15:00	01/30/18 20:04	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**13.4J**	mg/kg	18.9	1.5	1	01/25/18 15:00	01/31/18 07:38		B
TPH-DRO	**<1.5**	mg/kg	18.9	1.5	1	01/25/18 15:00	01/31/18 07:38		
Surrogates									
Nitrobenzene-d5 (S)	84	%	41-114		1	01/25/18 15:00	01/31/18 07:38	4165-60-0	
2-Fluorobiphenyl (S)	79	%	61-109		1	01/25/18 15:00	01/31/18 07:38	321-60-8	
Terphenyl-d14 (S)	79	%	48-120		1	01/25/18 15:00	01/31/18 07:38	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.28**	mg/kg	0.55	0.28	1		02/06/18 15:24		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**<11.0**	ug/kg	22.1	11.0	1		02/06/18 15:24	67-64-1	
Benzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	71-43-2	
Bromobenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	108-86-1	
Bromochloromethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	74-97-5	
Bromodichloromethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	75-27-4	
Bromoform	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	75-25-2	
Bromomethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	74-83-9	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-10 (3-5) **Lab ID: 60262738002** Collected: 01/24/18 08:55 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
2-Butanone (MEK)	**<5.5**	ug/kg	11.0	5.5	1		02/06/18 15:24	78-93-3	
n-Butylbenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	104-51-8	
sec-Butylbenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	135-98-8	
tert-Butylbenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	98-06-6	
Carbon disulfide	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	75-15-0	
Carbon tetrachloride	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	56-23-5	
Chlorobenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	108-90-7	
Chloroethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	75-00-3	
Chloroform	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	67-66-3	
Chloromethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	74-87-3	
2-Chlorotoluene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	95-49-8	
4-Chlorotoluene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.5**	ug/kg	11.0	5.5	1		02/06/18 15:24	96-12-8	
Dibromochloromethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	124-48-1	
1,2-Dibromoethane (EDB)	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	106-93-4	
Dibromomethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	74-95-3	
1,2-Dichlorobenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	95-50-1	
1,3-Dichlorobenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	541-73-1	
1,4-Dichlorobenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	106-46-7	
Dichlorodifluoromethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	75-71-8	
1,1-Dichloroethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	75-34-3	
1,2-Dichloroethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	107-06-2	
1,2-Dichloroethene (Total)	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	540-59-0	
1,1-Dichloroethene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	75-35-4	
cis-1,2-Dichloroethene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	156-59-2	
trans-1,2-Dichloroethene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	156-60-5	
1,2-Dichloropropane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	78-87-5	
1,3-Dichloropropane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	142-28-9	
2,2-Dichloropropane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	594-20-7	
1,1-Dichloropropene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	563-58-6	
cis-1,3-Dichloropropene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	10061-01-5	
trans-1,3-Dichloropropene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	10061-02-6	
Ethylbenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	100-41-4	
Hexachloro-1,3-butadiene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	87-68-3	
2-Hexanone	**<11.0**	ug/kg	22.1	11.0	1		02/06/18 15:24	591-78-6	
Isopropylbenzene (Cumene)	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	98-82-8	
p-Isopropyltoluene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	99-87-6	
Methylene chloride	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.5**	ug/kg	11.0	5.5	1		02/06/18 15:24	108-10-1	
Methyl-tert-butyl ether	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	1634-04-4	
Naphthalene	**<5.5**	ug/kg	11.0	5.5	1		02/06/18 15:24	91-20-3	
n-Propylbenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	103-65-1	
Styrene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	79-34-5	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-10 (3-5) **Lab ID: 60262738002** Collected: 01/24/18 08:55 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Tetrachloroethene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	127-18-4	
Toluene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	108-88-3	
1,2,3-Trichlorobenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	87-61-6	
1,2,4-Trichlorobenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	120-82-1	
1,1,1-Trichloroethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	71-55-6	
1,1,2-Trichloroethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	79-00-5	
Trichloroethene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	79-01-6	
Trichlorofluoromethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	75-69-4	
1,2,3-Trichloropropane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	96-18-4	
1,2,4-Trimethylbenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	95-63-6	
1,3,5-Trimethylbenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	108-67-8	
Vinyl chloride	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	75-01-4	
Xylene (Total)	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 15:24	1330-20-7	
Surrogates									
Toluene-d8 (S)	101	%	78-122		1		02/06/18 15:24	2037-26-5	
4-Bromofluorobenzene (S)	96	%	69-133		1		02/06/18 15:24	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	80-123		1		02/06/18 15:24	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**21.2**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**6.8**	Std. Units	0.10	0.10	1		02/01/18 13:20		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**2070**	mg/kg	127	63.3	10	02/05/18 08:00	02/06/18 06:01	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**34.6**	mg/kg	12.7	6.3	10	02/05/18 16:00	02/06/18 06:01	14797-55-8	
Nitrite as N	**<6.3**	mg/kg	12.7	6.3	10	02/05/18 16:00	02/06/18 06:01	14797-65-0	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-11 (3-5) **Lab ID: 60262738003** Collected: 01/24/18 11:00 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.65**	ug/kg	1.9	0.65	1	02/02/18 13:00	02/05/18 20:20	309-00-2	
alpha-BHC	**<0.29**	ug/kg	1.9	0.29	1	02/02/18 13:00	02/05/18 20:20	319-84-6	
beta-BHC	**<0.98**	ug/kg	3.1	0.98	1	02/02/18 13:00	02/05/18 20:20	319-85-7	
delta-BHC	**<0.88**	ug/kg	2.6	0.88	1	02/02/18 13:00	02/05/18 20:20	319-86-8	
gamma-BHC (Lindane)	**<0.83**	ug/kg	2.6	0.83	1	02/02/18 13:00	02/05/18 20:20	58-89-9	
Chlordane (Technical)	**<52.0**	ug/kg	278	52.0	1	02/02/18 13:00	02/05/18 20:20	57-74-9	
alpha-Chlordane	**<0.74**	ug/kg	3.1	0.74	1	02/02/18 13:00	02/05/18 20:20	5103-71-9	
gamma-Chlordane	**<1.2**	ug/kg	3.1	1.2	1	02/02/18 13:00	02/05/18 20:20	5103-74-2	
4,4'-DDD	**<0.60**	ug/kg	1.9	0.60	1	02/02/18 13:00	02/05/18 20:20	72-54-8	
4,4'-DDE	**<0.58**	ug/kg	1.9	0.58	1	02/02/18 13:00	02/05/18 20:20	72-55-9	
4,4'-DDT	**<1.2**	ug/kg	2.6	1.2	1	02/02/18 13:00	02/05/18 20:20	50-29-3	
Dieldrin	**<0.80**	ug/kg	2.6	0.80	1	02/02/18 13:00	02/05/18 20:20	60-57-1	
Endosulfan I	**<0.86**	ug/kg	2.6	0.86	1	02/02/18 13:00	02/05/18 20:20	959-98-8	
Endosulfan II	**<0.59**	ug/kg	1.9	0.59	1	02/02/18 13:00	02/05/18 20:20	33213-65-9	
Endosulfan sulfate	**<0.85**	ug/kg	2.6	0.85	1	02/02/18 13:00	02/05/18 20:20	1031-07-8	
Endrin	**<0.86**	ug/kg	3.1	0.86	1	02/02/18 13:00	02/05/18 20:20	72-20-8	
Endrin aldehyde	**<0.86**	ug/kg	2.6	0.86	1	02/02/18 13:00	02/05/18 20:20	7421-93-4	
Endrin ketone	**<1.0**	ug/kg	3.7	1.0	1	02/02/18 13:00	02/05/18 20:20	53494-70-5	
Heptachlor	**<1.4**	ug/kg	3.7	1.4	1	02/02/18 13:00	02/05/18 20:20	76-44-8	
Heptachlor epoxide	**<3.7**	ug/kg	9.3	3.7	1	02/02/18 13:00	02/05/18 20:20	1024-57-3	
Methoxychlor	**<1.1**	ug/kg	3.7	1.1	1	02/02/18 13:00	02/05/18 20:20	72-43-5	
Toxaphene	**<95.9**	ug/kg	278	95.9	1	02/02/18 13:00	02/05/18 20:20	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	71	%.	70-130		1	02/02/18 13:00	02/05/18 20:20	877-09-8	
Decachlorobiphenyl (S)	70	%.	70-130		1	02/02/18 13:00	02/05/18 20:20	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<6.2**	ug/kg	12.3	6.2	1	02/02/18 13:00	02/05/18 23:30	22248-79-9	
Azinphos, methyl (Guthion)	**<6.2**	ug/kg	12.3	6.2	1	02/02/18 13:00	02/05/18 23:30	86-50-0	
Bolstar	**<6.2**	ug/kg	12.3	6.2	1	02/02/18 13:00	02/05/18 23:30	35400-43-2	
Chlorpyrifos	**<6.2**	ug/kg	12.3	6.2	1	02/02/18 13:00	02/05/18 23:30	2921-88-2	
Coumaphos	**<6.2**	ug/kg	12.3	6.2	1	02/02/18 13:00	02/05/18 23:30	56-72-4	
Diazinon	**<6.2**	ug/kg	12.3	6.2	1	02/02/18 13:00	02/05/18 23:30	333-41-5	
Dichlorvos	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/05/18 23:30	62-73-7	
Dimethoate	**<6.2**	ug/kg	12.3	6.2	1	02/02/18 13:00	02/05/18 23:30	60-51-5	
Disulfoton	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/05/18 23:30	298-04-4	
EPN (ENT)	**<3.9**	ug/kg	6.2	3.9	1	02/02/18 13:00	02/05/18 23:30	2104-64-5	
Ethoprop	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/05/18 23:30	13194-48-4	
Fensulfothion	**<6.2**	ug/kg	12.3	6.2	1	02/02/18 13:00	02/05/18 23:30	115-90-2	
Fenthion	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/05/18 23:30	55-38-9	
Malathion	**<6.2**	ug/kg	12.3	6.2	1	02/02/18 13:00	02/05/18 23:30	121-75-5	
Methyl parathion	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/05/18 23:30	298-00-0	
Mevinphos	**<3.6**	ug/kg	6.2	3.6	1	02/02/18 13:00	02/05/18 23:30	7786-34-7	
Parathion (Ethyl parathion)	**<6.2**	ug/kg	12.3	6.2	1	02/02/18 13:00	02/05/18 23:30	56-38-2	
Phorate	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/05/18 23:30	298-02-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-11 (3-5) **Lab ID: 60262738003** Collected: 01/24/18 11:00 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/05/18 23:30	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/05/18 23:30	3689-24-5	
Tokuthion (Prothiofos)	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/05/18 23:30	34643-46-4	
Trichloronate	**<6.2**	ug/kg	12.3	6.2	1	02/02/18 13:00	02/05/18 23:30	327-98-0	
Total Demeton	**<5.1**	ug/kg	6.2	5.1	1	02/02/18 13:00	02/05/18 23:30	8065-48-3	N2
Total Merphos	**<6.2**	ug/kg	24.6	6.2	1	02/02/18 13:00	02/05/18 23:30	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	92	%.	11-137		1	02/02/18 13:00	02/05/18 23:30	115-86-6	
Tributylphosphate (S)	102	%.	17-125		1	02/02/18 13:00	02/05/18 23:30	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<30.5**	ug/kg	30.5	30.5	10	02/05/18 13:19	02/06/18 17:58	94-75-7	
Dalapon	**<30.5**	ug/kg	30.5	30.5	10	02/05/18 13:19	02/06/18 17:58	75-99-0	
2,4-DB	**<30.5**	ug/kg	30.5	30.5	10	02/05/18 13:19	02/06/18 17:58	94-82-6	
Dicamba	**<30.5**	ug/kg	30.5	30.5	10	02/05/18 13:19	02/06/18 17:58	1918-00-9	
Dichloroprop	**<30.5**	ug/kg	30.5	30.5	10	02/05/18 13:19	02/06/18 17:58	15165-67-0	
Dinoseb	**<30.5**	ug/kg	30.5	30.5	10	02/05/18 13:19	02/06/18 17:58	88-85-7	3e
MCPA	**<3050**	ug/kg	3050	3050	10	02/05/18 13:19	02/06/18 17:58	94-74-6	
MCPP	**<3050**	ug/kg	3050	3050	10	02/05/18 13:19	02/06/18 17:58	7085-19-0	
2,4,5-T	**<30.5**	ug/kg	30.5	30.5	10	02/05/18 13:19	02/06/18 17:58	93-76-5	
2,4,5-TP (Silvex)	**<30.5**	ug/kg	30.5	30.5	10	02/05/18 13:19	02/06/18 17:58	93-72-1	
Surrogates									
2,4-DCAA (S)	19	%.	10-188		10	02/05/18 13:19	02/06/18 17:33	19719-28-9	D3
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**6.9**	mg/kg	1.2	0.49	1	01/30/18 14:45	02/06/18 15:34	7440-38-2	
Barium	**162**	mg/kg	0.60	0.037	1	01/30/18 14:45	02/06/18 15:34	7440-39-3	
Cadmium	**0.062J**	mg/kg	0.60	0.044	1	01/30/18 14:45	02/06/18 15:34	7440-43-9	
Chromium	**17.6**	mg/kg	0.60	0.12	1	01/30/18 14:45	02/06/18 15:34	7440-47-3	
Lead	**11.1**	mg/kg	0.60	0.25	1	01/30/18 14:45	02/06/18 15:34	7439-92-1	
Selenium	**<0.89**	mg/kg	1.8	0.89	1	01/30/18 14:45	02/06/18 15:34	7782-49-2	
Silver	**<0.20**	mg/kg	0.83	0.20	1	01/30/18 14:45	02/06/18 15:34	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.13**	mg/kg	0.060	0.0079	1	01/29/18 09:15	01/29/18 12:44	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<42.3**	ug/kg	399	42.3	1	01/26/18 15:00	01/30/18 20:26	83-32-9	
Acenaphthylene	**<37.5**	ug/kg	399	37.5	1	01/26/18 15:00	01/30/18 20:26	208-96-8	
Anthracene	**<42.3**	ug/kg	399	42.3	1	01/26/18 15:00	01/30/18 20:26	120-12-7	
Benzo(a)anthracene	**<36.3**	ug/kg	399	36.3	1	01/26/18 15:00	01/30/18 20:26	56-55-3	
Benzo(a)pyrene	**<31.5**	ug/kg	399	31.5	1	01/26/18 15:00	01/30/18 20:26	50-32-8	
Benzo(b)fluoranthene	**<27.8**	ug/kg	399	27.8	1	01/26/18 15:00	01/30/18 20:26	205-99-2	
Benzo(g,h,i)perylene	**<38.7**	ug/kg	399	38.7	1	01/26/18 15:00	01/30/18 20:26	191-24-2	
Benzo(k)fluoranthene	**<47.2**	ug/kg	399	47.2	1	01/26/18 15:00	01/30/18 20:26	207-08-9	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-11 (3-5) **Lab ID: 60262738003** Collected: 01/24/18 11:00 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<37.5**	ug/kg	2020	37.5	1	01/26/18 15:00	01/30/18 20:26	65-85-0	
Benzyl alcohol	**<125**	ug/kg	799	125	1	01/26/18 15:00	01/30/18 20:26	100-51-6	
4-Bromophenylphenyl ether	**<31.5**	ug/kg	399	31.5	1	01/26/18 15:00	01/30/18 20:26	101-55-3	
Butylbenzylphthalate	**<52.0**	ug/kg	399	52.0	1	01/26/18 15:00	01/30/18 20:26	85-68-7	
Carbazole	**<32.7**	ug/kg	399	32.7	1	01/26/18 15:00	01/30/18 20:26	86-74-8	
4-Chloro-3-methylphenol	**<43.6**	ug/kg	799	43.6	1	01/26/18 15:00	01/30/18 20:26	59-50-7	
4-Chloroaniline	**<78.6**	ug/kg	799	78.6	1	01/26/18 15:00	01/30/18 20:26	106-47-8	
bis(2-Chloroethoxy)methane	**<31.5**	ug/kg	399	31.5	1	01/26/18 15:00	01/30/18 20:26	111-91-1	
bis(2-Chloroethyl) ether	**<31.5**	ug/kg	399	31.5	1	01/26/18 15:00	01/30/18 20:26	111-44-4	
bis(2-Chloroisopropyl) ether	**<31.5**	ug/kg	399	31.5	1	01/26/18 15:00	01/30/18 20:26	39638-32-9	
2-Chloronaphthalene	**<33.9**	ug/kg	399	33.9	1	01/26/18 15:00	01/30/18 20:26	91-58-7	
2-Chlorophenol	**<32.7**	ug/kg	399	32.7	1	01/26/18 15:00	01/30/18 20:26	95-57-8	
4-Chlorophenylphenyl ether	**<38.7**	ug/kg	399	38.7	1	01/26/18 15:00	01/30/18 20:26	7005-72-3	
Chrysene	**<33.9**	ug/kg	399	33.9	1	01/26/18 15:00	01/30/18 20:26	218-01-9	
Dibenz(a,h)anthracene	**<36.3**	ug/kg	399	36.3	1	01/26/18 15:00	01/30/18 20:26	53-70-3	
Dibenzofuran	**<36.3**	ug/kg	399	36.3	1	01/26/18 15:00	01/30/18 20:26	132-64-9	
1,2-Dichlorobenzene	**<30.2**	ug/kg	399	30.2	1	01/26/18 15:00	01/30/18 20:26	95-50-1	
1,3-Dichlorobenzene	**<33.9**	ug/kg	399	33.9	1	01/26/18 15:00	01/30/18 20:26	541-73-1	
1,4-Dichlorobenzene	**<35.1**	ug/kg	399	35.1	1	01/26/18 15:00	01/30/18 20:26	106-46-7	
3,3'-Dichlorobenzidine	**<137**	ug/kg	799	137	1	01/26/18 15:00	01/30/18 20:26	91-94-1	
2,4-Dichlorophenol	**<36.3**	ug/kg	399	36.3	1	01/26/18 15:00	01/30/18 20:26	120-83-2	
Diethylphthalate	**<37.5**	ug/kg	399	37.5	1	01/26/18 15:00	01/30/18 20:26	84-66-2	
2,4-Dimethylphenol	**<21.8**	ug/kg	399	21.8	1	01/26/18 15:00	01/30/18 20:26	105-67-9	
Dimethylphthalate	**<38.7**	ug/kg	399	38.7	1	01/26/18 15:00	01/30/18 20:26	131-11-3	
Di-n-butylphthalate	**<42.3**	ug/kg	399	42.3	1	01/26/18 15:00	01/30/18 20:26	84-74-2	
4,6-Dinitro-2-methylphenol	**<53.2**	ug/kg	2020	53.2	1	01/26/18 15:00	01/30/18 20:26	534-52-1	
2,4-Dinitrophenol	**<58.1**	ug/kg	2020	58.1	1	01/26/18 15:00	01/30/18 20:26	51-28-5	
2,4-Dinitrotoluene	**<33.9**	ug/kg	399	33.9	1	01/26/18 15:00	01/30/18 20:26	121-14-2	
2,6-Dinitrotoluene	**<41.1**	ug/kg	399	41.1	1	01/26/18 15:00	01/30/18 20:26	606-20-2	
Di-n-octylphthalate	**<47.2**	ug/kg	399	47.2	1	01/26/18 15:00	01/30/18 20:26	117-84-0	
bis(2-Ethylhexyl)phthalate	**<138**	ug/kg	399	138	1	01/26/18 15:00	01/30/18 20:26	117-81-7	
Fluoranthene	**<37.5**	ug/kg	399	37.5	1	01/26/18 15:00	01/30/18 20:26	206-44-0	
Fluorene	**<37.5**	ug/kg	399	37.5	1	01/26/18 15:00	01/30/18 20:26	86-73-7	
Hexachloro-1,3-butadiene	**<39.9**	ug/kg	399	39.9	1	01/26/18 15:00	01/30/18 20:26	87-68-3	
Hexachlorobenzene	**<38.7**	ug/kg	399	38.7	1	01/26/18 15:00	01/30/18 20:26	118-74-1	
Hexachlorocyclopentadiene	**<84.7**	ug/kg	399	84.7	1	01/26/18 15:00	01/30/18 20:26	77-47-4	
Hexachloroethane	**<30.2**	ug/kg	399	30.2	1	01/26/18 15:00	01/30/18 20:26	67-72-1	
Indeno(1,2,3-cd)pyrene	**<43.6**	ug/kg	399	43.6	1	01/26/18 15:00	01/30/18 20:26	193-39-5	
Isophorone	**<36.3**	ug/kg	399	36.3	1	01/26/18 15:00	01/30/18 20:26	78-59-1	
2-Methylnaphthalene	**<29.0**	ug/kg	399	29.0	1	01/26/18 15:00	01/30/18 20:26	91-57-6	
2-Methylphenol(o-Cresol)	**<37.5**	ug/kg	399	37.5	1	01/26/18 15:00	01/30/18 20:26	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<43.6**	ug/kg	399	43.6	1	01/26/18 15:00	01/30/18 20:26		
Naphthalene	**<31.5**	ug/kg	399	31.5	1	01/26/18 15:00	01/30/18 20:26	91-20-3	
2-Nitroaniline	**<67.8**	ug/kg	799	67.8	1	01/26/18 15:00	01/30/18 20:26	88-74-4	
3-Nitroaniline	**<121**	ug/kg	799	121	1	01/26/18 15:00	01/30/18 20:26	99-09-2	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-11 (3-5) **Lab ID: 60262738003** Collected: 01/24/18 11:00 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<103**	ug/kg	799	103	1	01/26/18 15:00	01/30/18 20:26	100-01-6	
Nitrobenzene	**<37.5**	ug/kg	399	37.5	1	01/26/18 15:00	01/30/18 20:26	98-95-3	
2-Nitrophenol	**<55.7**	ug/kg	399	55.7	1	01/26/18 15:00	01/30/18 20:26	88-75-5	
4-Nitrophenol	**<62.9**	ug/kg	2020	62.9	1	01/26/18 15:00	01/30/18 20:26	100-02-7	
N-Nitroso-di-n-propylamine	**<39.9**	ug/kg	399	39.9	1	01/26/18 15:00	01/30/18 20:26	621-64-7	
N-Nitrosodiphenylamine	**<31.5**	ug/kg	399	31.5	1	01/26/18 15:00	01/30/18 20:26	86-30-6	
Pentachlorophenol	**<37.5**	ug/kg	2020	37.5	1	01/26/18 15:00	01/30/18 20:26	87-86-5	
Phenanthrene	**<37.5**	ug/kg	399	37.5	1	01/26/18 15:00	01/30/18 20:26	85-01-8	
Phenol	**<31.5**	ug/kg	399	31.5	1	01/26/18 15:00	01/30/18 20:26	108-95-2	
Pyrene	**<39.9**	ug/kg	399	39.9	1	01/26/18 15:00	01/30/18 20:26	129-00-0	
Pyridine	**<32.7**	ug/kg	399	32.7	1	01/26/18 15:00	01/30/18 20:26	110-86-1	
1,2,4-Trichlorobenzene	**<36.3**	ug/kg	399	36.3	1	01/26/18 15:00	01/30/18 20:26	120-82-1	
2,4,5-Trichlorophenol	**<36.3**	ug/kg	399	36.3	1	01/26/18 15:00	01/30/18 20:26	95-95-4	
2,4,6-Trichlorophenol	**<37.5**	ug/kg	399	37.5	1	01/26/18 15:00	01/30/18 20:26	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	76	%	41-114		1	01/26/18 15:00	01/30/18 20:26	4165-60-0	
2-Fluorobiphenyl (S)	82	%	61-109		1	01/26/18 15:00	01/30/18 20:26	321-60-8	
Terphenyl-d14 (S)	87	%	48-120		1	01/26/18 15:00	01/30/18 20:26	1718-51-0	
Phenol-d6 (S)	78	%	48-102		1	01/26/18 15:00	01/30/18 20:26	13127-88-3	
2-Fluorophenol (S)	76	%	46-102		1	01/26/18 15:00	01/30/18 20:26	367-12-4	
2,4,6-Tribromophenol (S)	87	%	39-114		1	01/26/18 15:00	01/30/18 20:26	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**54.2**	mg/kg	17.8	1.4	1	01/25/18 15:00	01/31/18 07:59		
TPH-DRO	**84.2**	mg/kg	17.8	1.4	1	01/25/18 15:00	01/31/18 07:59		
Surrogates									
Nitrobenzene-d5 (S)	76	%	41-114		1	01/25/18 15:00	01/31/18 07:59	4165-60-0	
2-Fluorobiphenyl (S)	73	%	61-109		1	01/25/18 15:00	01/31/18 07:59	321-60-8	
Terphenyl-d14 (S)	73	%	48-120		1	01/25/18 15:00	01/31/18 07:59	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.29**	mg/kg	0.57	0.29	1		02/06/18 15:40		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**12.6J**	ug/kg	22.9	11.5	1		02/06/18 15:40	67-64-1	
Benzene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	71-43-2	
Bromobenzene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	108-86-1	
Bromochloromethane	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	74-97-5	
Bromodichloromethane	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	75-27-4	
Bromoform	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	75-25-2	
Bromomethane	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	74-83-9	
2-Butanone (MEK)	**<5.7**	ug/kg	11.5	5.7	1		02/06/18 15:40	78-93-3	
n-Butylbenzene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	104-51-8	
sec-Butylbenzene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	135-98-8	
tert-Butylbenzene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	98-06-6	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-11 (3-5) **Lab ID: 60262738003** Collected: 01/24/18 11:00 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**4.7J**	ug/kg	5.7	2.9	1		02/06/18 15:40	75-15-0	
Carbon tetrachloride	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	56-23-5	
Chlorobenzene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	108-90-7	
Chloroethane	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	75-00-3	
Chloroform	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	67-66-3	
Chloromethane	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	74-87-3	
2-Chlorotoluene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	95-49-8	
4-Chlorotoluene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.7**	ug/kg	11.5	5.7	1		02/06/18 15:40	96-12-8	
Dibromochloromethane	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	124-48-1	
1,2-Dibromoethane (EDB)	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	106-93-4	
Dibromomethane	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	74-95-3	
1,2-Dichlorobenzene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	95-50-1	
1,3-Dichlorobenzene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	541-73-1	
1,4-Dichlorobenzene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	106-46-7	
Dichlorodifluoromethane	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	75-71-8	
1,1-Dichloroethane	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	75-34-3	
1,2-Dichloroethane	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	107-06-2	
1,2-Dichloroethene (Total)	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	540-59-0	
1,1-Dichloroethene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	75-35-4	
cis-1,2-Dichloroethene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	156-59-2	
trans-1,2-Dichloroethene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	156-60-5	
1,2-Dichloropropane	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	78-87-5	
1,3-Dichloropropane	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	142-28-9	
2,2-Dichloropropane	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	594-20-7	
1,1-Dichloropropene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	563-58-6	
cis-1,3-Dichloropropene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	10061-01-5	
trans-1,3-Dichloropropene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	10061-02-6	
Ethylbenzene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	100-41-4	
Hexachloro-1,3-butadiene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	87-68-3	
2-Hexanone	**<11.5**	ug/kg	22.9	11.5	1		02/06/18 15:40	591-78-6	
Isopropylbenzene (Cumene)	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	98-82-8	
p-Isopropyltoluene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	99-87-6	
Methylene chloride	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.7**	ug/kg	11.5	5.7	1		02/06/18 15:40	108-10-1	
Methyl-tert-butyl ether	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	1634-04-4	
Naphthalene	**<5.7**	ug/kg	11.5	5.7	1		02/06/18 15:40	91-20-3	
n-Propylbenzene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	103-65-1	
Styrene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	79-34-5	
Tetrachloroethene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	127-18-4	
Toluene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	108-88-3	
1,2,3-Trichlorobenzene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	87-61-6	
1,2,4-Trichlorobenzene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	120-82-1	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-11 (3-5) **Lab ID: 60262738003** Collected: 01/24/18 11:00 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	71-55-6	
1,1,2-Trichloroethane	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	79-00-5	
Trichloroethene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	79-01-6	
Trichlorofluoromethane	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	75-69-4	
1,2,3-Trichloropropane	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	96-18-4	
1,2,4-Trimethylbenzene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	95-63-6	
1,3,5-Trimethylbenzene	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	108-67-8	
Vinyl chloride	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	75-01-4	
Xylene (Total)	**<2.9**	ug/kg	5.7	2.9	1		02/06/18 15:40	1330-20-7	
Surrogates									
Toluene-d8 (S)	97	%	78-122		1		02/06/18 15:40	2037-26-5	
4-Bromofluorobenzene (S)	98	%	69-133		1		02/06/18 15:40	460-00-4	
1,2-Dichloroethane-d4 (S)	117	%	80-123		1		02/06/18 15:40	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**19.3**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.3**	Std. Units	0.10	0.10	1		02/01/18 13:20		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**653**	mg/kg	125	62.3	10	02/05/18 08:00	02/06/18 06:15	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**15.3**	mg/kg	12.5	6.2	10	02/05/18 16:00	02/06/18 06:15	14797-55-8	
Nitrite as N	**<6.2**	mg/kg	12.5	6.2	10	02/05/18 16:00	02/06/18 06:15	14797-65-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-11 (13-15) **Lab ID: 60262738004** Collected: 01/24/18 11:20 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.67**	ug/kg	1.9	0.67	1	02/02/18 13:00	02/05/18 20:34	309-00-2	
alpha-BHC	**<0.30**	ug/kg	1.9	0.30	1	02/02/18 13:00	02/05/18 20:34	319-84-6	
beta-BHC	**<1.0**	ug/kg	3.2	1.0	1	02/02/18 13:00	02/05/18 20:34	319-85-7	
delta-BHC	**<0.91**	ug/kg	2.7	0.91	1	02/02/18 13:00	02/05/18 20:34	319-86-8	
gamma-BHC (Lindane)	**<0.86**	ug/kg	2.7	0.86	1	02/02/18 13:00	02/05/18 20:34	58-89-9	
Chlordane (Technical)	**<53.6**	ug/kg	286	53.6	1	02/02/18 13:00	02/05/18 20:34	57-74-9	
alpha-Chlordane	**<0.76**	ug/kg	3.2	0.76	1	02/02/18 13:00	02/05/18 20:34	5103-71-9	
gamma-Chlordane	**<1.3**	ug/kg	3.2	1.3	1	02/02/18 13:00	02/05/18 20:34	5103-74-2	
4,4'-DDD	**<0.62**	ug/kg	1.9	0.62	1	02/02/18 13:00	02/05/18 20:34	72-54-8	
4,4'-DDE	**<0.60**	ug/kg	1.9	0.60	1	02/02/18 13:00	02/05/18 20:34	72-55-9	
4,4'-DDT	**<1.2**	ug/kg	2.7	1.2	1	02/02/18 13:00	02/05/18 20:34	50-29-3	
Dieldrin	**<0.83**	ug/kg	2.7	0.83	1	02/02/18 13:00	02/05/18 20:34	60-57-1	
Endosulfan I	**<0.88**	ug/kg	2.7	0.88	1	02/02/18 13:00	02/05/18 20:34	959-98-8	
Endosulfan II	**<0.61**	ug/kg	1.9	0.61	1	02/02/18 13:00	02/05/18 20:34	33213-65-9	
Endosulfan sulfate	**<0.88**	ug/kg	2.7	0.88	1	02/02/18 13:00	02/05/18 20:34	1031-07-8	
Endrin	**<0.88**	ug/kg	3.2	0.88	1	02/02/18 13:00	02/05/18 20:34	72-20-8	
Endrin aldehyde	**<0.88**	ug/kg	2.7	0.88	1	02/02/18 13:00	02/05/18 20:34	7421-93-4	
Endrin ketone	**<1.0**	ug/kg	3.8	1.0	1	02/02/18 13:00	02/05/18 20:34	53494-70-5	
Heptachlor	**<1.5**	ug/kg	3.8	1.5	1	02/02/18 13:00	02/05/18 20:34	76-44-8	
Heptachlor epoxide	**<3.8**	ug/kg	9.5	3.8	1	02/02/18 13:00	02/05/18 20:34	1024-57-3	
Methoxychlor	**<1.1**	ug/kg	3.8	1.1	1	02/02/18 13:00	02/05/18 20:34	72-43-5	
Toxaphene	**<98.8**	ug/kg	286	98.8	1	02/02/18 13:00	02/05/18 20:34	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	72	%.	70-130		1	02/02/18 13:00	02/05/18 20:34	877-09-8	
Decachlorobiphenyl (S)	82	%.	70-130		1	02/02/18 13:00	02/05/18 20:34	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<6.3**	ug/kg	12.7	6.3	1	02/02/18 13:00	02/05/18 23:58	22248-79-9	
Azinphos, methyl (Guthion)	**<6.3**	ug/kg	12.7	6.3	1	02/02/18 13:00	02/05/18 23:58	86-50-0	
Bolstar	**<6.3**	ug/kg	12.7	6.3	1	02/02/18 13:00	02/05/18 23:58	35400-43-2	
Chlorpyrifos	**<6.3**	ug/kg	12.7	6.3	1	02/02/18 13:00	02/05/18 23:58	2921-88-2	
Coumaphos	**<6.3**	ug/kg	12.7	6.3	1	02/02/18 13:00	02/05/18 23:58	56-72-4	
Diazinon	**<6.3**	ug/kg	12.7	6.3	1	02/02/18 13:00	02/05/18 23:58	333-41-5	
Dichlorvos	**<3.2**	ug/kg	6.3	3.2	1	02/02/18 13:00	02/05/18 23:58	62-73-7	
Dimethoate	**<6.3**	ug/kg	12.7	6.3	1	02/02/18 13:00	02/05/18 23:58	60-51-5	
Disulfoton	**<3.2**	ug/kg	6.3	3.2	1	02/02/18 13:00	02/05/18 23:58	298-04-4	
EPN (ENT)	**<4.0**	ug/kg	6.3	4.0	1	02/02/18 13:00	02/05/18 23:58	2104-64-5	
Ethoprop	**<3.2**	ug/kg	6.3	3.2	1	02/02/18 13:00	02/05/18 23:58	13194-48-4	
Fensulfothion	**<6.3**	ug/kg	12.7	6.3	1	02/02/18 13:00	02/05/18 23:58	115-90-2	
Fenthion	**<3.2**	ug/kg	6.3	3.2	1	02/02/18 13:00	02/05/18 23:58	55-38-9	
Malathion	**<6.3**	ug/kg	12.7	6.3	1	02/02/18 13:00	02/05/18 23:58	121-75-5	
Methyl parathion	**<3.2**	ug/kg	6.3	3.2	1	02/02/18 13:00	02/05/18 23:58	298-00-0	
Mevinphos	**<3.8**	ug/kg	6.3	3.8	1	02/02/18 13:00	02/05/18 23:58	7786-34-7	
Parathion (Ethyl parathion)	**<6.3**	ug/kg	12.7	6.3	1	02/02/18 13:00	02/05/18 23:58	56-38-2	
Phorate	**<3.2**	ug/kg	6.3	3.2	1	02/02/18 13:00	02/05/18 23:58	298-02-2	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-11 (13-15) **Lab ID: 60262738004** Collected: 01/24/18 11:20 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<3.2**	ug/kg	6.3	3.2	1	02/02/18 13:00	02/05/18 23:58	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<3.2**	ug/kg	6.3	3.2	1	02/02/18 13:00	02/05/18 23:58	3689-24-5	
Tokuthion (Prothiofos)	**<3.2**	ug/kg	6.3	3.2	1	02/02/18 13:00	02/05/18 23:58	34643-46-4	
Trichloronate	**<6.3**	ug/kg	12.7	6.3	1	02/02/18 13:00	02/05/18 23:58	327-98-0	
Total Demeton	**<5.2**	ug/kg	6.3	5.2	1	02/02/18 13:00	02/05/18 23:58	8065-48-3	N2
Total Merphos	**<6.3**	ug/kg	25.4	6.3	1	02/02/18 13:00	02/05/18 23:58	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	101	%.	11-137		1	02/02/18 13:00	02/05/18 23:58	115-86-6	
Tributylphosphate (S)	110	%.	17-125		1	02/02/18 13:00	02/05/18 23:58	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<3.2**	ug/kg	3.2	3.2	1	02/05/18 13:19	02/06/18 17:33	94-75-7	
Dalapon	**<3.2**	ug/kg	3.2	3.2	1	02/05/18 13:19	02/06/18 17:33	75-99-0	
2,4-DB	**<3.2**	ug/kg	3.2	3.2	1	02/05/18 13:19	02/06/18 17:33	94-82-6	
Dicamba	**<3.2**	ug/kg	3.2	3.2	1	02/05/18 13:19	02/06/18 17:33	1918-00-9	
Dichloroprop	**<3.2**	ug/kg	3.2	3.2	1	02/05/18 13:19	02/06/18 17:33	15165-67-0	
Dinoseb	**<3.2**	ug/kg	3.2	3.2	1	02/05/18 13:19	02/06/18 17:33	88-85-7	3e
MCPA	**<316**	ug/kg	316	316	1	02/05/18 13:19	02/06/18 17:33	94-74-6	
MCPP	**<316**	ug/kg	316	316	1	02/05/18 13:19	02/06/18 17:33	7085-19-0	
2,4,5-T	**<3.2**	ug/kg	3.2	3.2	1	02/05/18 13:19	02/06/18 17:33	93-76-5	
2,4,5-TP (Silvex)	**<3.2**	ug/kg	3.2	3.2	1	02/05/18 13:19	02/06/18 17:33	93-72-1	
Surrogates									
2,4-DCAA (S)	6	%.	10-188		1	02/05/18 13:19	02/06/18 17:33	19719-28-9	S1
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**6.9**	mg/kg	1.1	0.45	1	01/30/18 14:45	02/06/18 15:41	7440-38-2	
Barium	**186**	mg/kg	0.54	0.033	1	01/30/18 14:45	02/06/18 15:41	7440-39-3	
Cadmium	**<0.040**	mg/kg	0.54	0.040	1	01/30/18 14:45	02/06/18 15:41	7440-43-9	
Chromium	**17.0**	mg/kg	0.54	0.11	1	01/30/18 14:45	02/06/18 15:41	7440-47-3	
Lead	**10.3**	mg/kg	0.54	0.22	1	01/30/18 14:45	02/06/18 15:41	7439-92-1	
Selenium	**<0.81**	mg/kg	1.6	0.81	1	01/30/18 14:45	02/06/18 15:41	7782-49-2	
Silver	**<0.18**	mg/kg	0.76	0.18	1	01/30/18 14:45	02/06/18 15:41	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.015J**	mg/kg	0.049	0.0065	1	01/29/18 09:15	01/29/18 12:46	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<44.1**	ug/kg	416	44.1	1	01/26/18 15:00	01/30/18 20:48	83-32-9	
Acenaphthylene	**<39.1**	ug/kg	416	39.1	1	01/26/18 15:00	01/30/18 20:48	208-96-8	
Anthracene	**<44.1**	ug/kg	416	44.1	1	01/26/18 15:00	01/30/18 20:48	120-12-7	
Benzo(a)anthracene	**<37.8**	ug/kg	416	37.8	1	01/26/18 15:00	01/30/18 20:48	56-55-3	
Benzo(a)pyrene	**<32.8**	ug/kg	416	32.8	1	01/26/18 15:00	01/30/18 20:48	50-32-8	
Benzo(b)fluoranthene	**<29.0**	ug/kg	416	29.0	1	01/26/18 15:00	01/30/18 20:48	205-99-2	
Benzo(g,h,i)perylene	**<40.4**	ug/kg	416	40.4	1	01/26/18 15:00	01/30/18 20:48	191-24-2	
Benzo(k)fluoranthene	**<49.2**	ug/kg	416	49.2	1	01/26/18 15:00	01/30/18 20:48	207-08-9	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-11 (13-15) **Lab ID: 60262738004** Collected: 01/24/18 11:20 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<39.1**	ug/kg	2110	39.1	1	01/26/18 15:00	01/30/18 20:48	65-85-0	
Benzyl alcohol	**<130**	ug/kg	832	130	1	01/26/18 15:00	01/30/18 20:48	100-51-6	
4-Bromophenylphenyl ether	**<32.8**	ug/kg	416	32.8	1	01/26/18 15:00	01/30/18 20:48	101-55-3	
Butylbenzylphthalate	**<54.2**	ug/kg	416	54.2	1	01/26/18 15:00	01/30/18 20:48	85-68-7	
Carbazole	**<34.0**	ug/kg	416	34.0	1	01/26/18 15:00	01/30/18 20:48	86-74-8	
4-Chloro-3-methylphenol	**<45.4**	ug/kg	832	45.4	1	01/26/18 15:00	01/30/18 20:48	59-50-7	
4-Chloroaniline	**<82.0**	ug/kg	832	82.0	1	01/26/18 15:00	01/30/18 20:48	106-47-8	
bis(2-Chloroethoxy)methane	**<32.8**	ug/kg	416	32.8	1	01/26/18 15:00	01/30/18 20:48	111-91-1	
bis(2-Chloroethyl) ether	**<32.8**	ug/kg	416	32.8	1	01/26/18 15:00	01/30/18 20:48	111-44-4	
bis(2-Chloroisopropyl) ether	**<32.8**	ug/kg	416	32.8	1	01/26/18 15:00	01/30/18 20:48	39638-32-9	
2-Chloronaphthalene	**<35.3**	ug/kg	416	35.3	1	01/26/18 15:00	01/30/18 20:48	91-58-7	
2-Chlorophenol	**<34.0**	ug/kg	416	34.0	1	01/26/18 15:00	01/30/18 20:48	95-57-8	
4-Chlorophenylphenyl ether	**<40.4**	ug/kg	416	40.4	1	01/26/18 15:00	01/30/18 20:48	7005-72-3	
Chrysene	**<35.3**	ug/kg	416	35.3	1	01/26/18 15:00	01/30/18 20:48	218-01-9	
Dibenz(a,h)anthracene	**<37.8**	ug/kg	416	37.8	1	01/26/18 15:00	01/30/18 20:48	53-70-3	
Dibenzofuran	**<37.8**	ug/kg	416	37.8	1	01/26/18 15:00	01/30/18 20:48	132-64-9	
1,2-Dichlorobenzene	**<31.5**	ug/kg	416	31.5	1	01/26/18 15:00	01/30/18 20:48	95-50-1	
1,3-Dichlorobenzene	**<35.3**	ug/kg	416	35.3	1	01/26/18 15:00	01/30/18 20:48	541-73-1	
1,4-Dichlorobenzene	**<36.6**	ug/kg	416	36.6	1	01/26/18 15:00	01/30/18 20:48	106-46-7	
3,3'-Dichlorobenzidine	**<143**	ug/kg	832	143	1	01/26/18 15:00	01/30/18 20:48	91-94-1	
2,4-Dichlorophenol	**<37.8**	ug/kg	416	37.8	1	01/26/18 15:00	01/30/18 20:48	120-83-2	
Diethylphthalate	**<39.1**	ug/kg	416	39.1	1	01/26/18 15:00	01/30/18 20:48	84-66-2	
2,4-Dimethylphenol	**<22.7**	ug/kg	416	22.7	1	01/26/18 15:00	01/30/18 20:48	105-67-9	
Dimethylphthalate	**<40.4**	ug/kg	416	40.4	1	01/26/18 15:00	01/30/18 20:48	131-11-3	
Di-n-butylphthalate	**<44.1**	ug/kg	416	44.1	1	01/26/18 15:00	01/30/18 20:48	84-74-2	
4,6-Dinitro-2-methylphenol	**<55.5**	ug/kg	2110	55.5	1	01/26/18 15:00	01/30/18 20:48	534-52-1	
2,4-Dinitrophenol	**<60.5**	ug/kg	2110	60.5	1	01/26/18 15:00	01/30/18 20:48	51-28-5	
2,4-Dinitrotoluene	**<35.3**	ug/kg	416	35.3	1	01/26/18 15:00	01/30/18 20:48	121-14-2	
2,6-Dinitrotoluene	**<42.9**	ug/kg	416	42.9	1	01/26/18 15:00	01/30/18 20:48	606-20-2	
Di-n-octylphthalate	**<49.2**	ug/kg	416	49.2	1	01/26/18 15:00	01/30/18 20:48	117-84-0	
bis(2-Ethylhexyl)phthalate	**<144**	ug/kg	416	144	1	01/26/18 15:00	01/30/18 20:48	117-81-7	
Fluoranthene	**<39.1**	ug/kg	416	39.1	1	01/26/18 15:00	01/30/18 20:48	206-44-0	
Fluorene	**<39.1**	ug/kg	416	39.1	1	01/26/18 15:00	01/30/18 20:48	86-73-7	
Hexachloro-1,3-butadiene	**<41.6**	ug/kg	416	41.6	1	01/26/18 15:00	01/30/18 20:48	87-68-3	
Hexachlorobenzene	**<40.4**	ug/kg	416	40.4	1	01/26/18 15:00	01/30/18 20:48	118-74-1	
Hexachlorocyclopentadiene	**<88.3**	ug/kg	416	88.3	1	01/26/18 15:00	01/30/18 20:48	77-47-4	
Hexachloroethane	**<31.5**	ug/kg	416	31.5	1	01/26/18 15:00	01/30/18 20:48	67-72-1	
Indeno(1,2,3-cd)pyrene	**<45.4**	ug/kg	416	45.4	1	01/26/18 15:00	01/30/18 20:48	193-39-5	
Isophorone	**<37.8**	ug/kg	416	37.8	1	01/26/18 15:00	01/30/18 20:48	78-59-1	
2-Methylnaphthalene	**<30.3**	ug/kg	416	30.3	1	01/26/18 15:00	01/30/18 20:48	91-57-6	
2-Methylphenol(o-Cresol)	**<39.1**	ug/kg	416	39.1	1	01/26/18 15:00	01/30/18 20:48	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<45.4**	ug/kg	416	45.4	1	01/26/18 15:00	01/30/18 20:48		
Naphthalene	**<32.8**	ug/kg	416	32.8	1	01/26/18 15:00	01/30/18 20:48	91-20-3	
2-Nitroaniline	**<70.6**	ug/kg	832	70.6	1	01/26/18 15:00	01/30/18 20:48	88-74-4	
3-Nitroaniline	**<126**	ug/kg	832	126	1	01/26/18 15:00	01/30/18 20:48	99-09-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-11 (13-15) **Lab ID: 60262738004** Collected: 01/24/18 11:20 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<107**	ug/kg	832	107	1	01/26/18 15:00	01/30/18 20:48	100-01-6	
Nitrobenzene	**<39.1**	ug/kg	416	39.1	1	01/26/18 15:00	01/30/18 20:48	98-95-3	
2-Nitrophenol	**<58.0**	ug/kg	416	58.0	1	01/26/18 15:00	01/30/18 20:48	88-75-5	
4-Nitrophenol	**<65.6**	ug/kg	2110	65.6	1	01/26/18 15:00	01/30/18 20:48	100-02-7	
N-Nitroso-di-n-propylamine	**<41.6**	ug/kg	416	41.6	1	01/26/18 15:00	01/30/18 20:48	621-64-7	
N-Nitrosodiphenylamine	**<32.8**	ug/kg	416	32.8	1	01/26/18 15:00	01/30/18 20:48	86-30-6	
Pentachlorophenol	**<39.1**	ug/kg	2110	39.1	1	01/26/18 15:00	01/30/18 20:48	87-86-5	
Phenanthrene	**<39.1**	ug/kg	416	39.1	1	01/26/18 15:00	01/30/18 20:48	85-01-8	
Phenol	**<32.8**	ug/kg	416	32.8	1	01/26/18 15:00	01/30/18 20:48	108-95-2	
Pyrene	**<41.6**	ug/kg	416	41.6	1	01/26/18 15:00	01/30/18 20:48	129-00-0	
Pyridine	**<34.0**	ug/kg	416	34.0	1	01/26/18 15:00	01/30/18 20:48	110-86-1	
1,2,4-Trichlorobenzene	**<37.8**	ug/kg	416	37.8	1	01/26/18 15:00	01/30/18 20:48	120-82-1	
2,4,5-Trichlorophenol	**<37.8**	ug/kg	416	37.8	1	01/26/18 15:00	01/30/18 20:48	95-95-4	
2,4,6-Trichlorophenol	**<39.1**	ug/kg	416	39.1	1	01/26/18 15:00	01/30/18 20:48	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	74	%	41-114		1	01/26/18 15:00	01/30/18 20:48	4165-60-0	
2-Fluorobiphenyl (S)	80	%	61-109		1	01/26/18 15:00	01/30/18 20:48	321-60-8	
Terphenyl-d14 (S)	85	%	48-120		1	01/26/18 15:00	01/30/18 20:48	1718-51-0	
Phenol-d6 (S)	77	%	48-102		1	01/26/18 15:00	01/30/18 20:48	13127-88-3	
2-Fluorophenol (S)	77	%	46-102		1	01/26/18 15:00	01/30/18 20:48	367-12-4	
2,4,6-Tribromophenol (S)	87	%	39-114		1	01/26/18 15:00	01/30/18 20:48	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**12.3J**	mg/kg	18.1	1.4	1	01/25/18 15:00	01/31/18 08:20		B
TPH-DRO	**<1.4**	mg/kg	18.1	1.4	1	01/25/18 15:00	01/31/18 08:20		
Surrogates									
Nitrobenzene-d5 (S)	80	%	41-114		1	01/25/18 15:00	01/31/18 08:20	4165-60-0	
2-Fluorobiphenyl (S)	79	%	61-109		1	01/25/18 15:00	01/31/18 08:20	321-60-8	
Terphenyl-d14 (S)	75	%	48-120		1	01/25/18 15:00	01/31/18 08:20	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.25**	mg/kg	0.51	0.25	1		01/25/18 20:47		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**50.4**	ug/kg	22.7	11.4	1		02/06/18 15:55	67-64-1	
Benzene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	71-43-2	
Bromobenzene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	108-86-1	
Bromochloromethane	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	74-97-5	
Bromodichloromethane	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	75-27-4	
Bromoform	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	75-25-2	
Bromomethane	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	74-83-9	
2-Butanone (MEK)	**13.6**	ug/kg	11.4	5.7	1		02/06/18 15:55	78-93-3	
n-Butylbenzene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	104-51-8	
sec-Butylbenzene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	135-98-8	
tert-Butylbenzene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	98-06-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-11 (13-15) **Lab ID: 60262738004** Collected: 01/24/18 11:20 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	75-15-0	
Carbon tetrachloride	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	56-23-5	
Chlorobenzene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	108-90-7	
Chloroethane	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	75-00-3	
Chloroform	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	67-66-3	
Chloromethane	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	74-87-3	
2-Chlorotoluene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	95-49-8	
4-Chlorotoluene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.7**	ug/kg	11.4	5.7	1		02/06/18 15:55	96-12-8	
Dibromochloromethane	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	124-48-1	
1,2-Dibromoethane (EDB)	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	106-93-4	
Dibromomethane	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	74-95-3	
1,2-Dichlorobenzene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	95-50-1	
1,3-Dichlorobenzene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	541-73-1	
1,4-Dichlorobenzene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	106-46-7	
Dichlorodifluoromethane	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	75-71-8	
1,1-Dichloroethane	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	75-34-3	
1,2-Dichloroethane	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	107-06-2	
1,2-Dichloroethene (Total)	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	540-59-0	
1,1-Dichloroethene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	75-35-4	
cis-1,2-Dichloroethene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	156-59-2	
trans-1,2-Dichloroethene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	156-60-5	
1,2-Dichloropropane	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	78-87-5	
1,3-Dichloropropane	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	142-28-9	
2,2-Dichloropropane	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	594-20-7	
1,1-Dichloropropene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	563-58-6	
cis-1,3-Dichloropropene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	10061-01-5	
trans-1,3-Dichloropropene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	10061-02-6	
Ethylbenzene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	100-41-4	
Hexachloro-1,3-butadiene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	87-68-3	
2-Hexanone	**<11.4**	ug/kg	22.7	11.4	1		02/06/18 15:55	591-78-6	
Isopropylbenzene (Cumene)	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	98-82-8	
p-Isopropyltoluene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	99-87-6	
Methylene chloride	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.7**	ug/kg	11.4	5.7	1		02/06/18 15:55	108-10-1	
Methyl-tert-butyl ether	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	1634-04-4	
Naphthalene	**<5.7**	ug/kg	11.4	5.7	1		02/06/18 15:55	91-20-3	
n-Propylbenzene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	103-65-1	
Styrene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	79-34-5	
Tetrachloroethene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	127-18-4	
Toluene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	108-88-3	
1,2,3-Trichlorobenzene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	87-61-6	
1,2,4-Trichlorobenzene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	120-82-1	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-11 (13-15) **Lab ID: 60262738004** Collected: 01/24/18 11:20 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	71-55-6	
1,1,2-Trichloroethane	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	79-00-5	
Trichloroethene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	79-01-6	
Trichlorofluoromethane	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	75-69-4	
1,2,3-Trichloropropane	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	96-18-4	
1,2,4-Trimethylbenzene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	95-63-6	
1,3,5-Trimethylbenzene	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	108-67-8	
Vinyl chloride	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	75-01-4	
Xylene (Total)	**<2.8**	ug/kg	5.7	2.8	1		02/06/18 15:55	1330-20-7	
Surrogates									
Toluene-d8 (S)	98	%	78-122		1		02/06/18 15:55	2037-26-5	
4-Bromofluorobenzene (S)	101	%	69-133		1		02/06/18 15:55	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	80-123		1		02/06/18 15:55	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**21.5**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.6**	Std. Units	0.10	0.10	1		02/01/18 13:20		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**326**	mg/kg	129	64.7	10	02/05/18 08:00	02/06/18 06:29	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**21.3**	mg/kg	12.9	6.5	10	02/05/18 16:00	02/06/18 06:29	14797-55-8	
Nitrite as N	**<6.5**	mg/kg	12.9	6.5	10	02/05/18 16:00	02/06/18 06:29	14797-65-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-12 (3-5) **Lab ID: 60262738005** Collected: 01/24/18 14:30 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.68**	ug/kg	1.9	0.68	1	02/02/18 13:00	02/05/18 20:49	309-00-2	
alpha-BHC	**<0.30**	ug/kg	1.9	0.30	1	02/02/18 13:00	02/05/18 20:49	319-84-6	
beta-BHC	**<1.0**	ug/kg	3.2	1.0	1	02/02/18 13:00	02/05/18 20:49	319-85-7	
delta-BHC	**<0.92**	ug/kg	2.7	0.92	1	02/02/18 13:00	02/05/18 20:49	319-86-8	
gamma-BHC (Lindane)	**<0.86**	ug/kg	2.7	0.86	1	02/02/18 13:00	02/05/18 20:49	58-89-9	
Chlordane (Technical)	**<53.9**	ug/kg	288	53.9	1	02/02/18 13:00	02/05/18 20:49	57-74-9	
alpha-Chlordane	**<0.76**	ug/kg	3.2	0.76	1	02/02/18 13:00	02/05/18 20:49	5103-71-9	
gamma-Chlordane	**<1.3**	ug/kg	3.2	1.3	1	02/02/18 13:00	02/05/18 20:49	5103-74-2	
4,4'-DDD	**<0.62**	ug/kg	1.9	0.62	1	02/02/18 13:00	02/05/18 20:49	72-54-8	
4,4'-DDE	**<0.60**	ug/kg	1.9	0.60	1	02/02/18 13:00	02/05/18 20:49	72-55-9	
4,4'-DDT	**<1.2**	ug/kg	2.7	1.2	1	02/02/18 13:00	02/05/18 20:49	50-29-3	
Dieldrin	**<0.83**	ug/kg	2.7	0.83	1	02/02/18 13:00	02/05/18 20:49	60-57-1	
Endosulfan I	**<0.89**	ug/kg	2.7	0.89	1	02/02/18 13:00	02/05/18 20:49	959-98-8	
Endosulfan II	**<0.62**	ug/kg	1.9	0.62	1	02/02/18 13:00	02/05/18 20:49	33213-65-9	
Endosulfan sulfate	**<0.88**	ug/kg	2.7	0.88	1	02/02/18 13:00	02/05/18 20:49	1031-07-8	
Endrin	**<0.89**	ug/kg	3.2	0.89	1	02/02/18 13:00	02/05/18 20:49	72-20-8	
Endrin aldehyde	**<0.89**	ug/kg	2.7	0.89	1	02/02/18 13:00	02/05/18 20:49	7421-93-4	
Endrin ketone	**<1.1**	ug/kg	3.8	1.1	1	02/02/18 13:00	02/05/18 20:49	53494-70-5	
Heptachlor	**<1.5**	ug/kg	3.8	1.5	1	02/02/18 13:00	02/05/18 20:49	76-44-8	
Heptachlor epoxide	**<3.8**	ug/kg	9.6	3.8	1	02/02/18 13:00	02/05/18 20:49	1024-57-3	
Methoxychlor	**<1.1**	ug/kg	3.8	1.1	1	02/02/18 13:00	02/05/18 20:49	72-43-5	
Toxaphene	**<99.4**	ug/kg	288	99.4	1	02/02/18 13:00	02/05/18 20:49	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	72	%.	70-130		1	02/02/18 13:00	02/05/18 20:49	877-09-8	
Decachlorobiphenyl (S)	75	%.	70-130		1	02/02/18 13:00	02/05/18 20:49	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<6.4**	ug/kg	12.8	6.4	1	02/02/18 13:00	02/06/18 00:25	22248-79-9	
Azinphos, methyl (Guthion)	**<6.4**	ug/kg	12.8	6.4	1	02/02/18 13:00	02/06/18 00:25	86-50-0	
Bolstar	**<6.4**	ug/kg	12.8	6.4	1	02/02/18 13:00	02/06/18 00:25	35400-43-2	
Chlorpyrifos	**<6.4**	ug/kg	12.8	6.4	1	02/02/18 13:00	02/06/18 00:25	2921-88-2	
Coumaphos	**<6.4**	ug/kg	12.8	6.4	1	02/02/18 13:00	02/06/18 00:25	56-72-4	
Diazinon	**<6.4**	ug/kg	12.8	6.4	1	02/02/18 13:00	02/06/18 00:25	333-41-5	
Dichlorvos	**<3.2**	ug/kg	6.4	3.2	1	02/02/18 13:00	02/06/18 00:25	62-73-7	
Dimethoate	**<6.4**	ug/kg	12.8	6.4	1	02/02/18 13:00	02/06/18 00:25	60-51-5	
Disulfoton	**<3.2**	ug/kg	6.4	3.2	1	02/02/18 13:00	02/06/18 00:25	298-04-4	
EPN (ENT)	**<4.1**	ug/kg	6.4	4.1	1	02/02/18 13:00	02/06/18 00:25	2104-64-5	
Ethoprop	**<3.2**	ug/kg	6.4	3.2	1	02/02/18 13:00	02/06/18 00:25	13194-48-4	
Fensulfothion	**<6.4**	ug/kg	12.8	6.4	1	02/02/18 13:00	02/06/18 00:25	115-90-2	
Fenthion	**<3.2**	ug/kg	6.4	3.2	1	02/02/18 13:00	02/06/18 00:25	55-38-9	
Malathion	**<6.4**	ug/kg	12.8	6.4	1	02/02/18 13:00	02/06/18 00:25	121-75-5	
Methyl parathion	**<3.2**	ug/kg	6.4	3.2	1	02/02/18 13:00	02/06/18 00:25	298-00-0	
Mevinphos	**<3.8**	ug/kg	6.4	3.8	1	02/02/18 13:00	02/06/18 00:25	7786-34-7	
Parathion (Ethyl parathion)	**<6.4**	ug/kg	12.8	6.4	1	02/02/18 13:00	02/06/18 00:25	56-38-2	
Phorate	**<3.2**	ug/kg	6.4	3.2	1	02/02/18 13:00	02/06/18 00:25	298-02-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-12 (3-5) **Lab ID: 60262738005** Collected: 01/24/18 14:30 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<3.2**	ug/kg	6.4	3.2	1	02/02/18 13:00	02/06/18 00:25	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<3.2**	ug/kg	6.4	3.2	1	02/02/18 13:00	02/06/18 00:25	3689-24-5	
Tokuthion (Prothiofos)	**<3.2**	ug/kg	6.4	3.2	1	02/02/18 13:00	02/06/18 00:25	34643-46-4	
Trichloronate	**<6.4**	ug/kg	12.8	6.4	1	02/02/18 13:00	02/06/18 00:25	327-98-0	
Total Demeton	**<5.2**	ug/kg	6.4	5.2	1	02/02/18 13:00	02/06/18 00:25	8065-48-3	N2
Total Merphos	**<6.4**	ug/kg	25.5	6.4	1	02/02/18 13:00	02/06/18 00:25	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	100	%.	11-137		1	02/02/18 13:00	02/06/18 00:25	115-86-6	
Tributylphosphate (S)	106	%.	17-125		1	02/02/18 13:00	02/06/18 00:25	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<3.2**	ug/kg	3.2	3.2	1	02/06/18 12:15	02/07/18 14:39	94-75-7	
Dalapon	**<3.2**	ug/kg	3.2	3.2	1	02/06/18 12:15	02/07/18 14:39	75-99-0	M1
2,4-DB	**<3.2**	ug/kg	3.2	3.2	1	02/06/18 12:15	02/07/18 14:39	94-82-6	
Dicamba	**<3.2**	ug/kg	3.2	3.2	1	02/06/18 12:15	02/07/18 14:39	1918-00-9	M1,R1
Dichloroprop	**<3.2**	ug/kg	3.2	3.2	1	02/06/18 12:15	02/07/18 14:39	15165-67-0	
Dinoseb	**<3.2**	ug/kg	3.2	3.2	1	02/06/18 12:15	02/07/18 14:39	88-85-7	M1,R1
MCPA	**<318**	ug/kg	318	318	1	02/06/18 12:15	02/07/18 14:39	94-74-6	
MCPP	**<318**	ug/kg	318	318	1	02/06/18 12:15	02/07/18 14:39	7085-19-0	M1,R1
2,4,5-T	**<3.2**	ug/kg	3.2	3.2	1	02/06/18 12:15	02/07/18 14:39	93-76-5	
2,4,5-TP (Silvex)	**<3.2**	ug/kg	3.2	3.2	1	02/06/18 12:15	02/07/18 14:39	93-72-1	
Surrogates									
2,4-DCAA (S)	14	%.	10-188		1	02/06/18 12:15	02/07/18 14:39	19719-28-9	
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**5.1**	mg/kg	1.2	0.51	1	01/30/18 14:45	02/06/18 15:43	7440-38-2	
Barium	**173**	mg/kg	0.61	0.038	1	01/30/18 14:45	02/06/18 15:43	7440-39-3	
Cadmium	**0.13J**	mg/kg	0.61	0.045	1	01/30/18 14:45	02/06/18 15:43	7440-43-9	
Chromium	**14.0**	mg/kg	0.61	0.12	1	01/30/18 14:45	02/06/18 15:43	7440-47-3	
Lead	**451**	mg/kg	0.61	0.25	1	01/30/18 14:45	02/06/18 15:43	7439-92-1	
Selenium	**<0.92**	mg/kg	1.8	0.92	1	01/30/18 14:45	02/06/18 15:43	7782-49-2	
Silver	**<0.20**	mg/kg	0.86	0.20	1	01/30/18 14:45	02/06/18 15:43	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.027J**	mg/kg	0.051	0.0068	1	01/29/18 09:15	01/29/18 12:49	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<44.9**	ug/kg	423	44.9	1	01/26/18 15:00	01/31/18 12:55	83-32-9	
Acenaphthylene	**<39.8**	ug/kg	423	39.8	1	01/26/18 15:00	01/31/18 12:55	208-96-8	
Anthracene	**<44.9**	ug/kg	423	44.9	1	01/26/18 15:00	01/31/18 12:55	120-12-7	
Benzo(a)anthracene	**<38.5**	ug/kg	423	38.5	1	01/26/18 15:00	01/31/18 12:55	56-55-3	
Benzo(a)pyrene	**<33.4**	ug/kg	423	33.4	1	01/26/18 15:00	01/31/18 12:55	50-32-8	
Benzo(b)fluoranthene	**<29.5**	ug/kg	423	29.5	1	01/26/18 15:00	01/31/18 12:55	205-99-2	
Benzo(g,h,i)perylene	**<41.1**	ug/kg	423	41.1	1	01/26/18 15:00	01/31/18 12:55	191-24-2	
Benzo(k)fluoranthene	**<50.0**	ug/kg	423	50.0	1	01/26/18 15:00	01/31/18 12:55	207-08-9	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-12 (3-5) **Lab ID: 60262738005** Collected: 01/24/18 14:30 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<39.8**	ug/kg	2140	39.8	1	01/26/18 15:00	01/31/18 12:55	65-85-0	
Benzyl alcohol	**<132**	ug/kg	847	132	1	01/26/18 15:00	01/31/18 12:55	100-51-6	
4-Bromophenylphenyl ether	**<33.4**	ug/kg	423	33.4	1	01/26/18 15:00	01/31/18 12:55	101-55-3	
Butylbenzylphthalate	**<55.2**	ug/kg	423	55.2	1	01/26/18 15:00	01/31/18 12:55	85-68-7	
Carbazole	**<34.6**	ug/kg	423	34.6	1	01/26/18 15:00	01/31/18 12:55	86-74-8	
4-Chloro-3-methylphenol	**<46.2**	ug/kg	847	46.2	1	01/26/18 15:00	01/31/18 12:55	59-50-7	
4-Chloroaniline	**<83.4**	ug/kg	847	83.4	1	01/26/18 15:00	01/31/18 12:55	106-47-8	
bis(2-Chloroethoxy)methane	**<33.4**	ug/kg	423	33.4	1	01/26/18 15:00	01/31/18 12:55	111-91-1	
bis(2-Chloroethyl) ether	**<33.4**	ug/kg	423	33.4	1	01/26/18 15:00	01/31/18 12:55	111-44-4	
bis(2-Chloroisopropyl) ether	**<33.4**	ug/kg	423	33.4	1	01/26/18 15:00	01/31/18 12:55	39638-32-9	
2-Chloronaphthalene	**<35.9**	ug/kg	423	35.9	1	01/26/18 15:00	01/31/18 12:55	91-58-7	
2-Chlorophenol	**<34.6**	ug/kg	423	34.6	1	01/26/18 15:00	01/31/18 12:55	95-57-8	
4-Chlorophenylphenyl ether	**<41.1**	ug/kg	423	41.1	1	01/26/18 15:00	01/31/18 12:55	7005-72-3	
Chrysene	**<35.9**	ug/kg	423	35.9	1	01/26/18 15:00	01/31/18 12:55	218-01-9	
Dibenz(a,h)anthracene	**<38.5**	ug/kg	423	38.5	1	01/26/18 15:00	01/31/18 12:55	53-70-3	
Dibenzofuran	**<38.5**	ug/kg	423	38.5	1	01/26/18 15:00	01/31/18 12:55	132-64-9	
1,2-Dichlorobenzene	**<32.1**	ug/kg	423	32.1	1	01/26/18 15:00	01/31/18 12:55	95-50-1	
1,3-Dichlorobenzene	**<35.9**	ug/kg	423	35.9	1	01/26/18 15:00	01/31/18 12:55	541-73-1	
1,4-Dichlorobenzene	**<37.2**	ug/kg	423	37.2	1	01/26/18 15:00	01/31/18 12:55	106-46-7	
3,3'-Dichlorobenzidine	**<145**	ug/kg	847	145	1	01/26/18 15:00	01/31/18 12:55	91-94-1	
2,4-Dichlorophenol	**<38.5**	ug/kg	423	38.5	1	01/26/18 15:00	01/31/18 12:55	120-83-2	
Diethylphthalate	**<39.8**	ug/kg	423	39.8	1	01/26/18 15:00	01/31/18 12:55	84-66-2	
2,4-Dimethylphenol	**<23.1**	ug/kg	423	23.1	1	01/26/18 15:00	01/31/18 12:55	105-67-9	
Dimethylphthalate	**<41.1**	ug/kg	423	41.1	1	01/26/18 15:00	01/31/18 12:55	131-11-3	
Di-n-butylphthalate	**<44.9**	ug/kg	423	44.9	1	01/26/18 15:00	01/31/18 12:55	84-74-2	
4,6-Dinitro-2-methylphenol	**<56.5**	ug/kg	2140	56.5	1	01/26/18 15:00	01/31/18 12:55	534-52-1	
2,4-Dinitrophenol	**<61.6**	ug/kg	2140	61.6	1	01/26/18 15:00	01/31/18 12:55	51-28-5	
2,4-Dinitrotoluene	**<35.9**	ug/kg	423	35.9	1	01/26/18 15:00	01/31/18 12:55	121-14-2	
2,6-Dinitrotoluene	**<43.6**	ug/kg	423	43.6	1	01/26/18 15:00	01/31/18 12:55	606-20-2	
Di-n-octylphthalate	**<50.0**	ug/kg	423	50.0	1	01/26/18 15:00	01/31/18 12:55	117-84-0	
bis(2-Ethylhexyl)phthalate	**<146**	ug/kg	423	146	1	01/26/18 15:00	01/31/18 12:55	117-81-7	
Fluoranthene	**<39.8**	ug/kg	423	39.8	1	01/26/18 15:00	01/31/18 12:55	206-44-0	
Fluorene	**<39.8**	ug/kg	423	39.8	1	01/26/18 15:00	01/31/18 12:55	86-73-7	
Hexachloro-1,3-butadiene	**<42.3**	ug/kg	423	42.3	1	01/26/18 15:00	01/31/18 12:55	87-68-3	
Hexachlorobenzene	**<41.1**	ug/kg	423	41.1	1	01/26/18 15:00	01/31/18 12:55	118-74-1	
Hexachlorocyclopentadiene	**<89.8**	ug/kg	423	89.8	1	01/26/18 15:00	01/31/18 12:55	77-47-4	
Hexachloroethane	**<32.1**	ug/kg	423	32.1	1	01/26/18 15:00	01/31/18 12:55	67-72-1	
Indeno(1,2,3-cd)pyrene	**<46.2**	ug/kg	423	46.2	1	01/26/18 15:00	01/31/18 12:55	193-39-5	
Isophorone	**<38.5**	ug/kg	423	38.5	1	01/26/18 15:00	01/31/18 12:55	78-59-1	
2-Methylnaphthalene	**<30.8**	ug/kg	423	30.8	1	01/26/18 15:00	01/31/18 12:55	91-57-6	
2-Methylphenol(o-Cresol)	**<39.8**	ug/kg	423	39.8	1	01/26/18 15:00	01/31/18 12:55	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<46.2**	ug/kg	423	46.2	1	01/26/18 15:00	01/31/18 12:55		
Naphthalene	**<33.4**	ug/kg	423	33.4	1	01/26/18 15:00	01/31/18 12:55	91-20-3	
2-Nitroaniline	**<71.9**	ug/kg	847	71.9	1	01/26/18 15:00	01/31/18 12:55	88-74-4	
3-Nitroaniline	**<128**	ug/kg	847	128	1	01/26/18 15:00	01/31/18 12:55	99-09-2	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-12 (3-5) **Lab ID: 60262738005** Collected: 01/24/18 14:30 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<109**	ug/kg	847	109	1	01/26/18 15:00	01/31/18 12:55	100-01-6	
Nitrobenzene	**<39.8**	ug/kg	423	39.8	1	01/26/18 15:00	01/31/18 12:55	98-95-3	
2-Nitrophenol	**<59.0**	ug/kg	423	59.0	1	01/26/18 15:00	01/31/18 12:55	88-75-5	
4-Nitrophenol	**<66.7**	ug/kg	2140	66.7	1	01/26/18 15:00	01/31/18 12:55	100-02-7	
N-Nitroso-di-n-propylamine	**<42.3**	ug/kg	423	42.3	1	01/26/18 15:00	01/31/18 12:55	621-64-7	
N-Nitrosodiphenylamine	**<33.4**	ug/kg	423	33.4	1	01/26/18 15:00	01/31/18 12:55	86-30-6	
Pentachlorophenol	**<39.8**	ug/kg	2140	39.8	1	01/26/18 15:00	01/31/18 12:55	87-86-5	
Phenanthrene	**<39.8**	ug/kg	423	39.8	1	01/26/18 15:00	01/31/18 12:55	85-01-8	
Phenol	**<33.4**	ug/kg	423	33.4	1	01/26/18 15:00	01/31/18 12:55	108-95-2	
Pyrene	**<42.3**	ug/kg	423	42.3	1	01/26/18 15:00	01/31/18 12:55	129-00-0	
Pyridine	**<34.6**	ug/kg	423	34.6	1	01/26/18 15:00	01/31/18 12:55	110-86-1	
1,2,4-Trichlorobenzene	**<38.5**	ug/kg	423	38.5	1	01/26/18 15:00	01/31/18 12:55	120-82-1	
2,4,5-Trichlorophenol	**<38.5**	ug/kg	423	38.5	1	01/26/18 15:00	01/31/18 12:55	95-95-4	
2,4,6-Trichlorophenol	**<39.8**	ug/kg	423	39.8	1	01/26/18 15:00	01/31/18 12:55	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	78	%	41-114		1	01/26/18 15:00	01/31/18 12:55	4165-60-0	
2-Fluorobiphenyl (S)	83	%	61-109		1	01/26/18 15:00	01/31/18 12:55	321-60-8	
Terphenyl-d14 (S)	86	%	48-120		1	01/26/18 15:00	01/31/18 12:55	1718-51-0	
Phenol-d6 (S)	83	%	48-102		1	01/26/18 15:00	01/31/18 12:55	13127-88-3	
2-Fluorophenol (S)	83	%	46-102		1	01/26/18 15:00	01/31/18 12:55	367-12-4	
2,4,6-Tribromophenol (S)	85	%	39-114		1	01/26/18 15:00	01/31/18 12:55	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**14.6J**	mg/kg	19.1	1.5	1	01/25/18 15:00	01/31/18 08:41		B
TPH-DRO	**2.3J**	mg/kg	19.1	1.5	1	01/25/18 15:00	01/31/18 08:41		
Surrogates									
Nitrobenzene-d5 (S)	78	%	41-114		1	01/25/18 15:00	01/31/18 08:41	4165-60-0	
2-Fluorobiphenyl (S)	80	%	61-109		1	01/25/18 15:00	01/31/18 08:41	321-60-8	
Terphenyl-d14 (S)	75	%	48-120		1	01/25/18 15:00	01/31/18 08:41	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.36**	mg/kg	0.73	0.36	1		02/06/18 16:11		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**65.9**	ug/kg	29.1	14.6	1		02/06/18 16:11	67-64-1	
Benzene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	71-43-2	
Bromobenzene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	108-86-1	
Bromochloromethane	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	74-97-5	
Bromodichloromethane	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	75-27-4	
Bromoform	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	75-25-2	
Bromomethane	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	74-83-9	
2-Butanone (MEK)	**11.6J**	ug/kg	14.6	7.3	1		02/06/18 16:11	78-93-3	
n-Butylbenzene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	104-51-8	
sec-Butylbenzene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	135-98-8	
tert-Butylbenzene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	98-06-6	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-12 (3-5) **Lab ID: 60262738005** Collected: 01/24/18 14:30 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	75-15-0	
Carbon tetrachloride	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	56-23-5	
Chlorobenzene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	108-90-7	
Chloroethane	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	75-00-3	
Chloroform	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	67-66-3	
Chloromethane	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	74-87-3	
2-Chlorotoluene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	95-49-8	
4-Chlorotoluene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	106-43-4	
1,2-Dibromo-3-chloropropane	**<7.3**	ug/kg	14.6	7.3	1		02/06/18 16:11	96-12-8	
Dibromochloromethane	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	124-48-1	
1,2-Dibromoethane (EDB)	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	106-93-4	
Dibromomethane	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	74-95-3	
1,2-Dichlorobenzene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	95-50-1	
1,3-Dichlorobenzene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	541-73-1	
1,4-Dichlorobenzene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	106-46-7	
Dichlorodifluoromethane	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	75-71-8	
1,1-Dichloroethane	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	75-34-3	
1,2-Dichloroethane	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	107-06-2	
1,2-Dichloroethene (Total)	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	540-59-0	
1,1-Dichloroethene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	75-35-4	
cis-1,2-Dichloroethene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	156-59-2	
trans-1,2-Dichloroethene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	156-60-5	
1,2-Dichloropropane	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	78-87-5	
1,3-Dichloropropane	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	142-28-9	
2,2-Dichloropropane	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	594-20-7	
1,1-Dichloropropene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	10061-01-5	
trans-1,3-Dichloropropene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	10061-02-6	
Ethylbenzene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	100-41-4	
Hexachloro-1,3-butadiene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	87-68-3	
2-Hexanone	**<14.6**	ug/kg	29.1	14.6	1		02/06/18 16:11	591-78-6	
Isopropylbenzene (Cumene)	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	98-82-8	
p-Isopropyltoluene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	99-87-6	
Methylene chloride	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<7.3**	ug/kg	14.6	7.3	1		02/06/18 16:11	108-10-1	
Methyl-tert-butyl ether	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	1634-04-4	
Naphthalene	**<7.3**	ug/kg	14.6	7.3	1		02/06/18 16:11	91-20-3	
n-Propylbenzene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	103-65-1	
Styrene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	100-42-5	
1,1,1,2-Tetrachloroethane	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	630-20-6	
1,1,2,2-Tetrachloroethane	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	79-34-5	
Tetrachloroethene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	127-18-4	
Toluene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	108-88-3	
1,2,3-Trichlorobenzene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	87-61-6	
1,2,4-Trichlorobenzene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	120-82-1	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-12 (3-5) **Lab ID: 60262738005** Collected: 01/24/18 14:30 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	71-55-6	
1,1,2-Trichloroethane	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	79-00-5	
Trichloroethene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	79-01-6	
Trichlorofluoromethane	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	75-69-4	
1,2,3-Trichloropropane	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	96-18-4	
1,2,4-Trimethylbenzene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	95-63-6	
1,3,5-Trimethylbenzene	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	108-67-8	
Vinyl chloride	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	75-01-4	
Xylene (Total)	**<3.6**	ug/kg	7.3	3.6	1		02/06/18 16:11	1330-20-7	
Surrogates									
Toluene-d8 (S)	101	%	78-122		1		02/06/18 16:11	2037-26-5	
4-Bromofluorobenzene (S)	99	%	69-133		1		02/06/18 16:11	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	80-123		1		02/06/18 16:11	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**23.0**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.8**	Std. Units	0.10	0.10	1		02/01/18 13:20		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**<63.8**	mg/kg	128	63.8	10	02/05/18 08:00	02/06/18 06:43	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**<6.4**	mg/kg	12.8	6.4	10	02/05/18 16:00	02/06/18 06:43	14797-55-8	
Nitrite as N	**<6.4**	mg/kg	12.8	6.4	10	02/05/18 16:00	02/06/18 06:43	14797-65-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-12 (13-15) **Lab ID: 60262738006** Collected: 01/24/18 15:00 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.69**	ug/kg	1.9	0.69	1	02/02/18 13:00	02/05/18 21:03	309-00-2	
alpha-BHC	**<0.31**	ug/kg	1.9	0.31	1	02/02/18 13:00	02/05/18 21:03	319-84-6	
beta-BHC	**<1.0**	ug/kg	3.2	1.0	1	02/02/18 13:00	02/05/18 21:03	319-85-7	
delta-BHC	**<0.93**	ug/kg	2.7	0.93	1	02/02/18 13:00	02/05/18 21:03	319-86-8	
gamma-BHC (Lindane)	**<0.88**	ug/kg	2.7	0.88	1	02/02/18 13:00	02/05/18 21:03	58-89-9	
Chlordane (Technical)	**<54.8**	ug/kg	292	54.8	1	02/02/18 13:00	02/05/18 21:03	57-74-9	
alpha-Chlordane	**<0.78**	ug/kg	3.2	0.78	1	02/02/18 13:00	02/05/18 21:03	5103-71-9	
gamma-Chlordane	**<1.3**	ug/kg	3.2	1.3	1	02/02/18 13:00	02/05/18 21:03	5103-74-2	
4,4'-DDD	**<0.64**	ug/kg	1.9	0.64	1	02/02/18 13:00	02/05/18 21:03	72-54-8	
4,4'-DDE	**<0.61**	ug/kg	1.9	0.61	1	02/02/18 13:00	02/05/18 21:03	72-55-9	
4,4'-DDT	**<1.3**	ug/kg	2.7	1.3	1	02/02/18 13:00	02/05/18 21:03	50-29-3	
Dieldrin	**1.3J**	ug/kg	2.7	0.85	1	02/02/18 13:00	02/05/18 21:03	60-57-1	
Endosulfan I	**<0.90**	ug/kg	2.7	0.90	1	02/02/18 13:00	02/05/18 21:03	959-98-8	
Endosulfan II	**<0.63**	ug/kg	1.9	0.63	1	02/02/18 13:00	02/05/18 21:03	33213-65-9	
Endosulfan sulfate	**<0.90**	ug/kg	2.7	0.90	1	02/02/18 13:00	02/05/18 21:03	1031-07-8	
Endrin	**<0.90**	ug/kg	3.2	0.90	1	02/02/18 13:00	02/05/18 21:03	72-20-8	
Endrin aldehyde	**<0.90**	ug/kg	2.7	0.90	1	02/02/18 13:00	02/05/18 21:03	7421-93-4	
Endrin ketone	**<1.1**	ug/kg	3.9	1.1	1	02/02/18 13:00	02/05/18 21:03	53494-70-5	
Heptachlor	**<1.5**	ug/kg	3.9	1.5	1	02/02/18 13:00	02/05/18 21:03	76-44-8	
Heptachlor epoxide	**<3.9**	ug/kg	9.7	3.9	1	02/02/18 13:00	02/05/18 21:03	1024-57-3	
Methoxychlor	**<1.1**	ug/kg	3.9	1.1	1	02/02/18 13:00	02/05/18 21:03	72-43-5	
Toxaphene	**<101**	ug/kg	292	101	1	02/02/18 13:00	02/05/18 21:03	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	69	%.	70-130		1	02/02/18 13:00	02/05/18 21:03	877-09-8	S1
Decachlorobiphenyl (S)	78	%.	70-130		1	02/02/18 13:00	02/05/18 21:03	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<6.5**	ug/kg	13.0	6.5	1	02/02/18 13:00	02/06/18 00:52	22248-79-9	
Azinphos, methyl (Guthion)	**<6.5**	ug/kg	13.0	6.5	1	02/02/18 13:00	02/06/18 00:52	86-50-0	
Bolstar	**<6.5**	ug/kg	13.0	6.5	1	02/02/18 13:00	02/06/18 00:52	35400-43-2	
Chlorpyrifos	**<6.5**	ug/kg	13.0	6.5	1	02/02/18 13:00	02/06/18 00:52	2921-88-2	
Coumaphos	**<6.5**	ug/kg	13.0	6.5	1	02/02/18 13:00	02/06/18 00:52	56-72-4	
Diazinon	**<6.5**	ug/kg	13.0	6.5	1	02/02/18 13:00	02/06/18 00:52	333-41-5	
Dichlorvos	**<3.2**	ug/kg	6.5	3.2	1	02/02/18 13:00	02/06/18 00:52	62-73-7	
Dimethoate	**<6.5**	ug/kg	13.0	6.5	1	02/02/18 13:00	02/06/18 00:52	60-51-5	
Disulfoton	**<3.2**	ug/kg	6.5	3.2	1	02/02/18 13:00	02/06/18 00:52	298-04-4	
EPN (ENT)	**<4.1**	ug/kg	6.5	4.1	1	02/02/18 13:00	02/06/18 00:52	2104-64-5	
Ethoprop	**<3.2**	ug/kg	6.5	3.2	1	02/02/18 13:00	02/06/18 00:52	13194-48-4	
Fensulfothion	**<6.5**	ug/kg	13.0	6.5	1	02/02/18 13:00	02/06/18 00:52	115-90-2	
Fenthion	**<3.2**	ug/kg	6.5	3.2	1	02/02/18 13:00	02/06/18 00:52	55-38-9	
Malathion	**<6.5**	ug/kg	13.0	6.5	1	02/02/18 13:00	02/06/18 00:52	121-75-5	
Methyl parathion	**<3.2**	ug/kg	6.5	3.2	1	02/02/18 13:00	02/06/18 00:52	298-00-0	
Mevinphos	**<3.8**	ug/kg	6.5	3.8	1	02/02/18 13:00	02/06/18 00:52	7786-34-7	
Parathion (Ethyl parathion)	**<6.5**	ug/kg	13.0	6.5	1	02/02/18 13:00	02/06/18 00:52	56-38-2	
Phorate	**<3.2**	ug/kg	6.5	3.2	1	02/02/18 13:00	02/06/18 00:52	298-02-2	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-12 (13-15) **Lab ID: 60262738006** Collected: 01/24/18 15:00 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<3.2**	ug/kg	6.5	3.2	1	02/02/18 13:00	02/06/18 00:52	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<3.2**	ug/kg	6.5	3.2	1	02/02/18 13:00	02/06/18 00:52	3689-24-5	
Tokuthion (Prothiofos)	**<3.2**	ug/kg	6.5	3.2	1	02/02/18 13:00	02/06/18 00:52	34643-46-4	
Trichloronate	**<6.5**	ug/kg	13.0	6.5	1	02/02/18 13:00	02/06/18 00:52	327-98-0	
Total Demeton	**<5.3**	ug/kg	6.5	5.3	1	02/02/18 13:00	02/06/18 00:52	8065-48-3	N2
Total Merphos	**<6.5**	ug/kg	26.0	6.5	1	02/02/18 13:00	02/06/18 00:52	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	99	%.	11-137		1	02/02/18 13:00	02/06/18 00:52	115-86-6	
Tributylphosphate (S)	103	%.	17-125		1	02/02/18 13:00	02/06/18 00:52	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<3.3**	ug/kg	3.3	3.3	1	02/06/18 12:15	02/07/18 15:04	94-75-7	
Dalapon	**<3.3**	ug/kg	3.3	3.3	1	02/06/18 12:15	02/07/18 15:04	75-99-0	
2,4-DB	**<3.3**	ug/kg	3.3	3.3	1	02/06/18 12:15	02/07/18 15:04	94-82-6	
Dicamba	**<3.3**	ug/kg	3.3	3.3	1	02/06/18 12:15	02/07/18 15:04	1918-00-9	
Dichloroprop	**<3.3**	ug/kg	3.3	3.3	1	02/06/18 12:15	02/07/18 15:04	15165-67-0	
Dinoseb	**<3.3**	ug/kg	3.3	3.3	1	02/06/18 12:15	02/07/18 15:04	88-85-7	
MCPA	**<326**	ug/kg	326	326	1	02/06/18 12:15	02/07/18 15:04	94-74-6	
MCPP	**<326**	ug/kg	326	326	1	02/06/18 12:15	02/07/18 15:04	7085-19-0	
2,4,5-T	**<3.3**	ug/kg	3.3	3.3	1	02/06/18 12:15	02/07/18 15:04	93-76-5	
2,4,5-TP (Silvex)	**<3.3**	ug/kg	3.3	3.3	1	02/06/18 12:15	02/07/18 15:04	93-72-1	
Surrogates									
2,4-DCAA (S)	13	%.	10-188		1	02/06/18 12:15	02/07/18 15:04	19719-28-9	
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**9.2**	mg/kg	1.2	0.50	1	01/30/18 14:45	02/06/18 15:46	7440-38-2	
Barium	**94.0**	mg/kg	0.60	0.037	1	01/30/18 14:45	02/06/18 15:46	7440-39-3	
Cadmium	**<0.045**	mg/kg	0.60	0.045	1	01/30/18 14:45	02/06/18 15:46	7440-43-9	
Chromium	**18.3**	mg/kg	0.60	0.12	1	01/30/18 14:45	02/06/18 15:46	7440-47-3	
Lead	**10.3**	mg/kg	0.60	0.25	1	01/30/18 14:45	02/06/18 15:46	7439-92-1	
Selenium	**<0.90**	mg/kg	1.8	0.90	1	01/30/18 14:45	02/06/18 15:46	7782-49-2	
Silver	**<0.20**	mg/kg	0.85	0.20	1	01/30/18 14:45	02/06/18 15:46	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.027J**	mg/kg	0.060	0.0080	1	01/29/18 09:15	01/29/18 12:51	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<45.7**	ug/kg	431	45.7	1	01/26/18 15:00	01/31/18 13:16	83-32-9	
Acenaphthylene	**<40.4**	ug/kg	431	40.4	1	01/26/18 15:00	01/31/18 13:16	208-96-8	
Anthracene	**<45.7**	ug/kg	431	45.7	1	01/26/18 15:00	01/31/18 13:16	120-12-7	
Benzo(a)anthracene	**<39.1**	ug/kg	431	39.1	1	01/26/18 15:00	01/31/18 13:16	56-55-3	
Benzo(a)pyrene	**<33.9**	ug/kg	431	33.9	1	01/26/18 15:00	01/31/18 13:16	50-32-8	
Benzo(b)fluoranthene	**<30.0**	ug/kg	431	30.0	1	01/26/18 15:00	01/31/18 13:16	205-99-2	
Benzo(g,h,i)perylene	**<41.7**	ug/kg	431	41.7	1	01/26/18 15:00	01/31/18 13:16	191-24-2	
Benzo(k)fluoranthene	**<50.9**	ug/kg	431	50.9	1	01/26/18 15:00	01/31/18 13:16	207-08-9	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-12 (13-15) **Lab ID: 60262738006** Collected: 01/24/18 15:00 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<40.4**	ug/kg	2180	40.4	1	01/26/18 15:00	01/31/18 13:16	65-85-0	
Benzyl alcohol	**<134**	ug/kg	861	134	1	01/26/18 15:00	01/31/18 13:16	100-51-6	
4-Bromophenylphenyl ether	**<33.9**	ug/kg	431	33.9	1	01/26/18 15:00	01/31/18 13:16	101-55-3	
Butylbenzylphthalate	**<56.1**	ug/kg	431	56.1	1	01/26/18 15:00	01/31/18 13:16	85-68-7	
Carbazole	**<35.2**	ug/kg	431	35.2	1	01/26/18 15:00	01/31/18 13:16	86-74-8	
4-Chloro-3-methylphenol	**<47.0**	ug/kg	861	47.0	1	01/26/18 15:00	01/31/18 13:16	59-50-7	
4-Chloroaniline	**<84.8**	ug/kg	861	84.8	1	01/26/18 15:00	01/31/18 13:16	106-47-8	
bis(2-Chloroethoxy)methane	**<33.9**	ug/kg	431	33.9	1	01/26/18 15:00	01/31/18 13:16	111-91-1	
bis(2-Chloroethyl) ether	**<33.9**	ug/kg	431	33.9	1	01/26/18 15:00	01/31/18 13:16	111-44-4	
bis(2-Chloroisopropyl) ether	**<33.9**	ug/kg	431	33.9	1	01/26/18 15:00	01/31/18 13:16	39638-32-9	
2-Chloronaphthalene	**<36.5**	ug/kg	431	36.5	1	01/26/18 15:00	01/31/18 13:16	91-58-7	
2-Chlorophenol	**<35.2**	ug/kg	431	35.2	1	01/26/18 15:00	01/31/18 13:16	95-57-8	
4-Chlorophenylphenyl ether	**<41.7**	ug/kg	431	41.7	1	01/26/18 15:00	01/31/18 13:16	7005-72-3	
Chrysene	**<36.5**	ug/kg	431	36.5	1	01/26/18 15:00	01/31/18 13:16	218-01-9	
Dibenz(a,h)anthracene	**<39.1**	ug/kg	431	39.1	1	01/26/18 15:00	01/31/18 13:16	53-70-3	
Dibenzofuran	**<39.1**	ug/kg	431	39.1	1	01/26/18 15:00	01/31/18 13:16	132-64-9	
1,2-Dichlorobenzene	**<32.6**	ug/kg	431	32.6	1	01/26/18 15:00	01/31/18 13:16	95-50-1	
1,3-Dichlorobenzene	**<36.5**	ug/kg	431	36.5	1	01/26/18 15:00	01/31/18 13:16	541-73-1	
1,4-Dichlorobenzene	**<37.8**	ug/kg	431	37.8	1	01/26/18 15:00	01/31/18 13:16	106-46-7	
3,3'-Dichlorobenzidine	**<147**	ug/kg	861	147	1	01/26/18 15:00	01/31/18 13:16	91-94-1	
2,4-Dichlorophenol	**<39.1**	ug/kg	431	39.1	1	01/26/18 15:00	01/31/18 13:16	120-83-2	
Diethylphthalate	**<40.4**	ug/kg	431	40.4	1	01/26/18 15:00	01/31/18 13:16	84-66-2	
2,4-Dimethylphenol	**<23.5**	ug/kg	431	23.5	1	01/26/18 15:00	01/31/18 13:16	105-67-9	
Dimethylphthalate	**<41.7**	ug/kg	431	41.7	1	01/26/18 15:00	01/31/18 13:16	131-11-3	
Di-n-butylphthalate	**<45.7**	ug/kg	431	45.7	1	01/26/18 15:00	01/31/18 13:16	84-74-2	
4,6-Dinitro-2-methylphenol	**<57.4**	ug/kg	2180	57.4	1	01/26/18 15:00	01/31/18 13:16	534-52-1	
2,4-Dinitrophenol	**<62.6**	ug/kg	2180	62.6	1	01/26/18 15:00	01/31/18 13:16	51-28-5	
2,4-Dinitrotoluene	**<36.5**	ug/kg	431	36.5	1	01/26/18 15:00	01/31/18 13:16	121-14-2	
2,6-Dinitrotoluene	**<44.4**	ug/kg	431	44.4	1	01/26/18 15:00	01/31/18 13:16	606-20-2	
Di-n-octylphthalate	**<50.9**	ug/kg	431	50.9	1	01/26/18 15:00	01/31/18 13:16	117-84-0	
bis(2-Ethylhexyl)phthalate	**<149**	ug/kg	431	149	1	01/26/18 15:00	01/31/18 13:16	117-81-7	
Fluoranthene	**<40.4**	ug/kg	431	40.4	1	01/26/18 15:00	01/31/18 13:16	206-44-0	
Fluorene	**<40.4**	ug/kg	431	40.4	1	01/26/18 15:00	01/31/18 13:16	86-73-7	
Hexachloro-1,3-butadiene	**<43.1**	ug/kg	431	43.1	1	01/26/18 15:00	01/31/18 13:16	87-68-3	
Hexachlorobenzene	**<41.7**	ug/kg	431	41.7	1	01/26/18 15:00	01/31/18 13:16	118-74-1	
Hexachlorocyclopentadiene	**<91.3**	ug/kg	431	91.3	1	01/26/18 15:00	01/31/18 13:16	77-47-4	
Hexachloroethane	**<32.6**	ug/kg	431	32.6	1	01/26/18 15:00	01/31/18 13:16	67-72-1	
Indeno(1,2,3-cd)pyrene	**<47.0**	ug/kg	431	47.0	1	01/26/18 15:00	01/31/18 13:16	193-39-5	
Isophorone	**<39.1**	ug/kg	431	39.1	1	01/26/18 15:00	01/31/18 13:16	78-59-1	
2-Methylnaphthalene	**<31.3**	ug/kg	431	31.3	1	01/26/18 15:00	01/31/18 13:16	91-57-6	
2-Methylphenol(o-Cresol)	**<40.4**	ug/kg	431	40.4	1	01/26/18 15:00	01/31/18 13:16	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<47.0**	ug/kg	431	47.0	1	01/26/18 15:00	01/31/18 13:16		
Naphthalene	**<33.9**	ug/kg	431	33.9	1	01/26/18 15:00	01/31/18 13:16	91-20-3	
2-Nitroaniline	**<73.1**	ug/kg	861	73.1	1	01/26/18 15:00	01/31/18 13:16	88-74-4	
3-Nitroaniline	**<130**	ug/kg	861	130	1	01/26/18 15:00	01/31/18 13:16	99-09-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-12 (13-15) **Lab ID: 60262738006** Collected: 01/24/18 15:00 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<111**	ug/kg	861	111	1	01/26/18 15:00	01/31/18 13:16	100-01-6	
Nitrobenzene	**<40.4**	ug/kg	431	40.4	1	01/26/18 15:00	01/31/18 13:16	98-95-3	
2-Nitrophenol	**<60.0**	ug/kg	431	60.0	1	01/26/18 15:00	01/31/18 13:16	88-75-5	
4-Nitrophenol	**<67.8**	ug/kg	2180	67.8	1	01/26/18 15:00	01/31/18 13:16	100-02-7	
N-Nitroso-di-n-propylamine	**<43.1**	ug/kg	431	43.1	1	01/26/18 15:00	01/31/18 13:16	621-64-7	
N-Nitrosodiphenylamine	**<33.9**	ug/kg	431	33.9	1	01/26/18 15:00	01/31/18 13:16	86-30-6	
Pentachlorophenol	**<40.4**	ug/kg	2180	40.4	1	01/26/18 15:00	01/31/18 13:16	87-86-5	
Phenanthrene	**<40.4**	ug/kg	431	40.4	1	01/26/18 15:00	01/31/18 13:16	85-01-8	
Phenol	**<33.9**	ug/kg	431	33.9	1	01/26/18 15:00	01/31/18 13:16	108-95-2	
Pyrene	**<43.1**	ug/kg	431	43.1	1	01/26/18 15:00	01/31/18 13:16	129-00-0	
Pyridine	**<35.2**	ug/kg	431	35.2	1	01/26/18 15:00	01/31/18 13:16	110-86-1	
1,2,4-Trichlorobenzene	**<39.1**	ug/kg	431	39.1	1	01/26/18 15:00	01/31/18 13:16	120-82-1	
2,4,5-Trichlorophenol	**<39.1**	ug/kg	431	39.1	1	01/26/18 15:00	01/31/18 13:16	95-95-4	
2,4,6-Trichlorophenol	**<40.4**	ug/kg	431	40.4	1	01/26/18 15:00	01/31/18 13:16	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	82	%	41-114		1	01/26/18 15:00	01/31/18 13:16	4165-60-0	
2-Fluorobiphenyl (S)	84	%	61-109		1	01/26/18 15:00	01/31/18 13:16	321-60-8	
Terphenyl-d14 (S)	87	%	48-120		1	01/26/18 15:00	01/31/18 13:16	1718-51-0	
Phenol-d6 (S)	86	%	48-102		1	01/26/18 15:00	01/31/18 13:16	13127-88-3	
2-Fluorophenol (S)	84	%	46-102		1	01/26/18 15:00	01/31/18 13:16	367-12-4	
2,4,6-Tribromophenol (S)	95	%	39-114		1	01/26/18 15:00	01/31/18 13:16	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**10.9J**	mg/kg	19.3	1.5	1	01/25/18 15:00	01/31/18 09:03		B
TPH-DRO	**<1.5**	mg/kg	19.3	1.5	1	01/25/18 15:00	01/31/18 09:03		
Surrogates									
Nitrobenzene-d5 (S)	73	%	41-114		1	01/25/18 15:00	01/31/18 09:03	4165-60-0	
2-Fluorobiphenyl (S)	74	%	61-109		1	01/25/18 15:00	01/31/18 09:03	321-60-8	
Terphenyl-d14 (S)	59	%	48-120		1	01/25/18 15:00	01/31/18 09:03	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.34**	mg/kg	0.68	0.34	1		01/25/18 21:17		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**61.7**	ug/kg	32.3	16.1	1		02/06/18 16:27	67-64-1	
Benzene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	71-43-2	
Bromobenzene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	108-86-1	
Bromochloromethane	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	74-97-5	
Bromodichloromethane	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	75-27-4	
Bromoform	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	75-25-2	
Bromomethane	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	74-83-9	
2-Butanone (MEK)	**<8.1**	ug/kg	16.1	8.1	1		02/06/18 16:27	78-93-3	
n-Butylbenzene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	104-51-8	
sec-Butylbenzene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	135-98-8	
tert-Butylbenzene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	98-06-6	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-12 (13-15) **Lab ID: 60262738006** Collected: 01/24/18 15:00 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	75-15-0	
Carbon tetrachloride	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	56-23-5	
Chlorobenzene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	108-90-7	
Chloroethane	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	75-00-3	
Chloroform	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	67-66-3	
Chloromethane	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	74-87-3	
2-Chlorotoluene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	95-49-8	
4-Chlorotoluene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	106-43-4	
1,2-Dibromo-3-chloropropane	**<8.1**	ug/kg	16.1	8.1	1		02/06/18 16:27	96-12-8	
Dibromochloromethane	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	124-48-1	
1,2-Dibromoethane (EDB)	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	106-93-4	
Dibromomethane	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	74-95-3	
1,2-Dichlorobenzene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	95-50-1	
1,3-Dichlorobenzene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	541-73-1	
1,4-Dichlorobenzene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	106-46-7	
Dichlorodifluoromethane	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	75-71-8	
1,1-Dichloroethane	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	75-34-3	
1,2-Dichloroethane	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	107-06-2	
1,2-Dichloroethene (Total)	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	540-59-0	
1,1-Dichloroethene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	75-35-4	
cis-1,2-Dichloroethene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	156-59-2	
trans-1,2-Dichloroethene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	156-60-5	
1,2-Dichloropropane	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	78-87-5	
1,3-Dichloropropane	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	142-28-9	
2,2-Dichloropropane	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	594-20-7	
1,1-Dichloropropene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	563-58-6	
cis-1,3-Dichloropropene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	10061-01-5	
trans-1,3-Dichloropropene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	10061-02-6	
Ethylbenzene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	100-41-4	
Hexachloro-1,3-butadiene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	87-68-3	
2-Hexanone	**<16.1**	ug/kg	32.3	16.1	1		02/06/18 16:27	591-78-6	
Isopropylbenzene (Cumene)	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	98-82-8	
p-Isopropyltoluene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	99-87-6	
Methylene chloride	**6.0J**	ug/kg	8.1	4.0	1		02/06/18 16:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<8.1**	ug/kg	16.1	8.1	1		02/06/18 16:27	108-10-1	
Methyl-tert-butyl ether	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	1634-04-4	
Naphthalene	**<8.1**	ug/kg	16.1	8.1	1		02/06/18 16:27	91-20-3	
n-Propylbenzene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	103-65-1	
Styrene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	100-42-5	
1,1,1,2-Tetrachloroethane	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	630-20-6	
1,1,2,2-Tetrachloroethane	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	79-34-5	
Tetrachloroethene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	127-18-4	
Toluene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	108-88-3	
1,2,3-Trichlorobenzene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	87-61-6	
1,2,4-Trichlorobenzene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	120-82-1	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-12 (13-15) **Lab ID: 60262738006** Collected: 01/24/18 15:00 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	71-55-6	
1,1,2-Trichloroethane	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	79-00-5	
Trichloroethene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	79-01-6	
Trichlorofluoromethane	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	75-69-4	
1,2,3-Trichloropropane	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	96-18-4	
1,2,4-Trimethylbenzene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	95-63-6	
1,3,5-Trimethylbenzene	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	108-67-8	
Vinyl chloride	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	75-01-4	
Xylene (Total)	**<4.0**	ug/kg	8.1	4.0	1		02/06/18 16:27	1330-20-7	
Surrogates									
Toluene-d8 (S)	98	%	78-122		1		02/06/18 16:27	2037-26-5	
4-Bromofluorobenzene (S)	101	%	69-133		1		02/06/18 16:27	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	80-123		1		02/06/18 16:27	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**24.8**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.1**	Std. Units	0.10	0.10	1		02/01/18 13:20		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**74.3J**	mg/kg	131	65.6	10	02/05/18 08:00	02/06/18 03:42	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**<6.6**	mg/kg	13.1	6.6	10	02/05/18 19:33	02/06/18 03:42	14797-55-8	
Nitrite as N	**<6.6**	mg/kg	13.1	6.6	10	02/05/18 19:33	02/06/18 03:42	14797-65-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-13 (3-5) **Lab ID: 60262738007** Collected: 01/24/18 15:55 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.66**	ug/kg	1.9	0.66	1	02/02/18 13:00	02/05/18 21:18	309-00-2	
alpha-BHC	**<0.30**	ug/kg	1.9	0.30	1	02/02/18 13:00	02/05/18 21:18	319-84-6	
beta-BHC	**<0.99**	ug/kg	3.1	0.99	1	02/02/18 13:00	02/05/18 21:18	319-85-7	
delta-BHC	**<0.89**	ug/kg	2.6	0.89	1	02/02/18 13:00	02/05/18 21:18	319-86-8	
gamma-BHC (Lindane)	**<0.84**	ug/kg	2.6	0.84	1	02/02/18 13:00	02/05/18 21:18	58-89-9	
Chlordane (Technical)	**<52.6**	ug/kg	281	52.6	1	02/02/18 13:00	02/05/18 21:18	57-74-9	
alpha-Chlordane	**<0.75**	ug/kg	3.1	0.75	1	02/02/18 13:00	02/05/18 21:18	5103-71-9	
gamma-Chlordane	**<1.2**	ug/kg	3.1	1.2	1	02/02/18 13:00	02/05/18 21:18	5103-74-2	
4,4'-DDD	**<0.61**	ug/kg	1.9	0.61	1	02/02/18 13:00	02/05/18 21:18	72-54-8	
4,4'-DDE	**<0.59**	ug/kg	1.9	0.59	1	02/02/18 13:00	02/05/18 21:18	72-55-9	
4,4'-DDT	**<1.2**	ug/kg	2.6	1.2	1	02/02/18 13:00	02/05/18 21:18	50-29-3	
Dieldrin	**<0.81**	ug/kg	2.6	0.81	1	02/02/18 13:00	02/05/18 21:18	60-57-1	
Endosulfan I	**<0.87**	ug/kg	2.6	0.87	1	02/02/18 13:00	02/05/18 21:18	959-98-8	
Endosulfan II	**<0.60**	ug/kg	1.9	0.60	1	02/02/18 13:00	02/05/18 21:18	33213-65-9	
Endosulfan sulfate	**<0.86**	ug/kg	2.6	0.86	1	02/02/18 13:00	02/05/18 21:18	1031-07-8	
Endrin	**<0.87**	ug/kg	3.1	0.87	1	02/02/18 13:00	02/05/18 21:18	72-20-8	
Endrin aldehyde	**<0.87**	ug/kg	2.6	0.87	1	02/02/18 13:00	02/05/18 21:18	7421-93-4	
Endrin ketone	**<1.0**	ug/kg	3.7	1.0	1	02/02/18 13:00	02/05/18 21:18	53494-70-5	
Heptachlor	**<1.4**	ug/kg	3.7	1.4	1	02/02/18 13:00	02/05/18 21:18	76-44-8	
Heptachlor epoxide	**<3.7**	ug/kg	9.4	3.7	1	02/02/18 13:00	02/05/18 21:18	1024-57-3	
Methoxychlor	**<1.1**	ug/kg	3.7	1.1	1	02/02/18 13:00	02/05/18 21:18	72-43-5	
Toxaphene	**<97.1**	ug/kg	281	97.1	1	02/02/18 13:00	02/05/18 21:18	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	69	%.	70-130		1	02/02/18 13:00	02/05/18 21:18	877-09-8	S1
Decachlorobiphenyl (S)	74	%.	70-130		1	02/02/18 13:00	02/05/18 21:18	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<6.2**	ug/kg	12.5	6.2	1	02/02/18 13:00	02/06/18 01:19	22248-79-9	
Azinphos, methyl (Guthion)	**<6.2**	ug/kg	12.5	6.2	1	02/02/18 13:00	02/06/18 01:19	86-50-0	
Bolstar	**<6.2**	ug/kg	12.5	6.2	1	02/02/18 13:00	02/06/18 01:19	35400-43-2	
Chlorpyrifos	**<6.2**	ug/kg	12.5	6.2	1	02/02/18 13:00	02/06/18 01:19	2921-88-2	
Coumaphos	**<6.2**	ug/kg	12.5	6.2	1	02/02/18 13:00	02/06/18 01:19	56-72-4	
Diazinon	**<6.2**	ug/kg	12.5	6.2	1	02/02/18 13:00	02/06/18 01:19	333-41-5	
Dichlorvos	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/06/18 01:19	62-73-7	
Dimethoate	**<6.2**	ug/kg	12.5	6.2	1	02/02/18 13:00	02/06/18 01:19	60-51-5	
Disulfoton	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/06/18 01:19	298-04-4	
EPN (ENT)	**<4.0**	ug/kg	6.2	4.0	1	02/02/18 13:00	02/06/18 01:19	2104-64-5	
Ethoprop	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/06/18 01:19	13194-48-4	
Fensulfothion	**<6.2**	ug/kg	12.5	6.2	1	02/02/18 13:00	02/06/18 01:19	115-90-2	
Fenthion	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/06/18 01:19	55-38-9	
Malathion	**<6.2**	ug/kg	12.5	6.2	1	02/02/18 13:00	02/06/18 01:19	121-75-5	
Methyl parathion	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/06/18 01:19	298-00-0	
Mevinphos	**<3.7**	ug/kg	6.2	3.7	1	02/02/18 13:00	02/06/18 01:19	7786-34-7	
Parathion (Ethyl parathion)	**<6.2**	ug/kg	12.5	6.2	1	02/02/18 13:00	02/06/18 01:19	56-38-2	
Phorate	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/06/18 01:19	298-02-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-13 (3-5) **Lab ID: 60262738007** Collected: 01/24/18 15:55 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/06/18 01:19	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/06/18 01:19	3689-24-5	
Tokuthion (Prothiofos)	**<3.1**	ug/kg	6.2	3.1	1	02/02/18 13:00	02/06/18 01:19	34643-46-4	
Trichloronate	**<6.2**	ug/kg	12.5	6.2	1	02/02/18 13:00	02/06/18 01:19	327-98-0	
Total Demeton	**<5.1**	ug/kg	6.2	5.1	1	02/02/18 13:00	02/06/18 01:19	8065-48-3	N2
Total Merphos	**<6.2**	ug/kg	24.9	6.2	1	02/02/18 13:00	02/06/18 01:19	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	89	%.	11-137		1	02/02/18 13:00	02/06/18 01:19	115-86-6	
Tributylphosphate (S)	104	%.	17-125		1	02/02/18 13:00	02/06/18 01:19	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<3.1**	ug/kg	3.1	3.1	1	02/06/18 12:15	02/07/18 15:04	94-75-7	
Dalapon	**<3.1**	ug/kg	3.1	3.1	1	02/06/18 12:15	02/07/18 15:04	75-99-0	
2,4-DB	**<3.1**	ug/kg	3.1	3.1	1	02/06/18 12:15	02/07/18 15:04	94-82-6	
Dicamba	**<3.1**	ug/kg	3.1	3.1	1	02/06/18 12:15	02/07/18 15:04	1918-00-9	
Dichloroprop	**<3.1**	ug/kg	3.1	3.1	1	02/06/18 12:15	02/07/18 15:04	15165-67-0	
Dinoseb	**<3.1**	ug/kg	3.1	3.1	1	02/06/18 12:15	02/07/18 15:04	88-85-7	
MCPA	**<312**	ug/kg	312	312	1	02/06/18 12:15	02/07/18 15:04	94-74-6	
MCPP	**<312**	ug/kg	312	312	1	02/06/18 12:15	02/07/18 15:04	7085-19-0	
2,4,5-T	**<3.1**	ug/kg	3.1	3.1	1	02/06/18 12:15	02/07/18 15:04	93-76-5	
2,4,5-TP (Silvex)	**<3.1**	ug/kg	3.1	3.1	1	02/06/18 12:15	02/07/18 15:04	93-72-1	
Surrogates									
2,4-DCAA (S)	14	%.	10-188		1	02/06/18 12:15	02/07/18 15:04	19719-28-9	
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**5.0**	mg/kg	1.1	0.47	1	01/30/18 14:45	02/06/18 15:48	7440-38-2	
Barium	**235**	mg/kg	0.56	0.035	1	01/30/18 14:45	02/06/18 15:48	7440-39-3	
Cadmium	**0.073J**	mg/kg	0.56	0.042	1	01/30/18 14:45	02/06/18 15:48	7440-43-9	
Chromium	**15.8**	mg/kg	0.56	0.11	1	01/30/18 14:45	02/06/18 15:48	7440-47-3	
Lead	**10.1**	mg/kg	0.56	0.23	1	01/30/18 14:45	02/06/18 15:48	7439-92-1	
Selenium	**<0.84**	mg/kg	1.7	0.84	1	01/30/18 14:45	02/06/18 15:48	7782-49-2	
Silver	**<0.19**	mg/kg	0.79	0.19	1	01/30/18 14:45	02/06/18 15:48	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.013J**	mg/kg	0.054	0.0071	1	01/29/18 09:15	01/29/18 12:53	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**46.5J**	ug/kg	406	43.0	1	01/26/18 15:00	01/31/18 13:38	83-32-9	
Acenaphthylene	**<38.1**	ug/kg	406	38.1	1	01/26/18 15:00	01/31/18 13:38	208-96-8	
Anthracene	**<43.0**	ug/kg	406	43.0	1	01/26/18 15:00	01/31/18 13:38	120-12-7	
Benzo(a)anthracene	**<36.9**	ug/kg	406	36.9	1	01/26/18 15:00	01/31/18 13:38	56-55-3	
Benzo(a)pyrene	**<32.0**	ug/kg	406	32.0	1	01/26/18 15:00	01/31/18 13:38	50-32-8	
Benzo(b)fluoranthene	**46.8J**	ug/kg	406	28.3	1	01/26/18 15:00	01/31/18 13:38	205-99-2	
Benzo(g,h,i)perylene	**<39.3**	ug/kg	406	39.3	1	01/26/18 15:00	01/31/18 13:38	191-24-2	
Benzo(k)fluoranthene	**<47.9**	ug/kg	406	47.9	1	01/26/18 15:00	01/31/18 13:38	207-08-9	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-13 (3-5) **Lab ID: 60262738007** Collected: 01/24/18 15:55 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<38.1**	ug/kg	2050	38.1	1	01/26/18 15:00	01/31/18 13:38	65-85-0	
Benzyl alcohol	**<127**	ug/kg	811	127	1	01/26/18 15:00	01/31/18 13:38	100-51-6	
4-Bromophenylphenyl ether	**<32.0**	ug/kg	406	32.0	1	01/26/18 15:00	01/31/18 13:38	101-55-3	
Butylbenzylphthalate	**<52.9**	ug/kg	406	52.9	1	01/26/18 15:00	01/31/18 13:38	85-68-7	
Carbazole	**<33.2**	ug/kg	406	33.2	1	01/26/18 15:00	01/31/18 13:38	86-74-8	
4-Chloro-3-methylphenol	**<44.2**	ug/kg	811	44.2	1	01/26/18 15:00	01/31/18 13:38	59-50-7	
4-Chloroaniline	**<79.9**	ug/kg	811	79.9	1	01/26/18 15:00	01/31/18 13:38	106-47-8	
bis(2-Chloroethoxy)methane	**<32.0**	ug/kg	406	32.0	1	01/26/18 15:00	01/31/18 13:38	111-91-1	
bis(2-Chloroethyl) ether	**<32.0**	ug/kg	406	32.0	1	01/26/18 15:00	01/31/18 13:38	111-44-4	
bis(2-Chloroisopropyl) ether	**<32.0**	ug/kg	406	32.0	1	01/26/18 15:00	01/31/18 13:38	39638-32-9	
2-Chloronaphthalene	**<34.4**	ug/kg	406	34.4	1	01/26/18 15:00	01/31/18 13:38	91-58-7	
2-Chlorophenol	**<33.2**	ug/kg	406	33.2	1	01/26/18 15:00	01/31/18 13:38	95-57-8	
4-Chlorophenylphenyl ether	**<39.3**	ug/kg	406	39.3	1	01/26/18 15:00	01/31/18 13:38	7005-72-3	
Chrysene	**50.4J**	ug/kg	406	34.4	1	01/26/18 15:00	01/31/18 13:38	218-01-9	
Dibenz(a,h)anthracene	**<36.9**	ug/kg	406	36.9	1	01/26/18 15:00	01/31/18 13:38	53-70-3	
Dibenzofuran	**<36.9**	ug/kg	406	36.9	1	01/26/18 15:00	01/31/18 13:38	132-64-9	
1,2-Dichlorobenzene	**<30.7**	ug/kg	406	30.7	1	01/26/18 15:00	01/31/18 13:38	95-50-1	
1,3-Dichlorobenzene	**<34.4**	ug/kg	406	34.4	1	01/26/18 15:00	01/31/18 13:38	541-73-1	
1,4-Dichlorobenzene	**<35.6**	ug/kg	406	35.6	1	01/26/18 15:00	01/31/18 13:38	106-46-7	
3,3'-Dichlorobenzidine	**<139**	ug/kg	811	139	1	01/26/18 15:00	01/31/18 13:38	91-94-1	
2,4-Dichlorophenol	**<36.9**	ug/kg	406	36.9	1	01/26/18 15:00	01/31/18 13:38	120-83-2	
Diethylphthalate	**<38.1**	ug/kg	406	38.1	1	01/26/18 15:00	01/31/18 13:38	84-66-2	
2,4-Dimethylphenol	**<22.1**	ug/kg	406	22.1	1	01/26/18 15:00	01/31/18 13:38	105-67-9	
Dimethylphthalate	**<39.3**	ug/kg	406	39.3	1	01/26/18 15:00	01/31/18 13:38	131-11-3	
Di-n-butylphthalate	**<43.0**	ug/kg	406	43.0	1	01/26/18 15:00	01/31/18 13:38	84-74-2	
4,6-Dinitro-2-methylphenol	**<54.1**	ug/kg	2050	54.1	1	01/26/18 15:00	01/31/18 13:38	534-52-1	
2,4-Dinitrophenol	**<59.0**	ug/kg	2050	59.0	1	01/26/18 15:00	01/31/18 13:38	51-28-5	
2,4-Dinitrotoluene	**<34.4**	ug/kg	406	34.4	1	01/26/18 15:00	01/31/18 13:38	121-14-2	
2,6-Dinitrotoluene	**<41.8**	ug/kg	406	41.8	1	01/26/18 15:00	01/31/18 13:38	606-20-2	
Di-n-octylphthalate	**<47.9**	ug/kg	406	47.9	1	01/26/18 15:00	01/31/18 13:38	117-84-0	
bis(2-Ethylhexyl)phthalate	**<140**	ug/kg	406	140	1	01/26/18 15:00	01/31/18 13:38	117-81-7	
Fluoranthene	**80.7J**	ug/kg	406	38.1	1	01/26/18 15:00	01/31/18 13:38	206-44-0	
Fluorene	**<38.1**	ug/kg	406	38.1	1	01/26/18 15:00	01/31/18 13:38	86-73-7	
Hexachloro-1,3-butadiene	**<40.6**	ug/kg	406	40.6	1	01/26/18 15:00	01/31/18 13:38	87-68-3	
Hexachlorobenzene	**<39.3**	ug/kg	406	39.3	1	01/26/18 15:00	01/31/18 13:38	118-74-1	
Hexachlorocyclopentadiene	**<86.0**	ug/kg	406	86.0	1	01/26/18 15:00	01/31/18 13:38	77-47-4	
Hexachloroethane	**<30.7**	ug/kg	406	30.7	1	01/26/18 15:00	01/31/18 13:38	67-72-1	
Indeno(1,2,3-cd)pyrene	**<44.2**	ug/kg	406	44.2	1	01/26/18 15:00	01/31/18 13:38	193-39-5	
Isophorone	**<36.9**	ug/kg	406	36.9	1	01/26/18 15:00	01/31/18 13:38	78-59-1	
2-Methylnaphthalene	**<29.5**	ug/kg	406	29.5	1	01/26/18 15:00	01/31/18 13:38	91-57-6	
2-Methylphenol(o-Cresol)	**<38.1**	ug/kg	406	38.1	1	01/26/18 15:00	01/31/18 13:38	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<44.2**	ug/kg	406	44.2	1	01/26/18 15:00	01/31/18 13:38		
Naphthalene	**<32.0**	ug/kg	406	32.0	1	01/26/18 15:00	01/31/18 13:38	91-20-3	
2-Nitroaniline	**<68.8**	ug/kg	811	68.8	1	01/26/18 15:00	01/31/18 13:38	88-74-4	
3-Nitroaniline	**<123**	ug/kg	811	123	1	01/26/18 15:00	01/31/18 13:38	99-09-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-13 (3-5) **Lab ID: 60262738007** Collected: 01/24/18 15:55 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<104**	ug/kg	811	104	1	01/26/18 15:00	01/31/18 13:38	100-01-6	
Nitrobenzene	**<38.1**	ug/kg	406	38.1	1	01/26/18 15:00	01/31/18 13:38	98-95-3	
2-Nitrophenol	**<56.5**	ug/kg	406	56.5	1	01/26/18 15:00	01/31/18 13:38	88-75-5	
4-Nitrophenol	**<63.9**	ug/kg	2050	63.9	1	01/26/18 15:00	01/31/18 13:38	100-02-7	
N-Nitroso-di-n-propylamine	**<40.6**	ug/kg	406	40.6	1	01/26/18 15:00	01/31/18 13:38	621-64-7	
N-Nitrosodiphenylamine	**<32.0**	ug/kg	406	32.0	1	01/26/18 15:00	01/31/18 13:38	86-30-6	
Pentachlorophenol	**<38.1**	ug/kg	2050	38.1	1	01/26/18 15:00	01/31/18 13:38	87-86-5	
Phenanthrene	**377J**	ug/kg	406	38.1	1	01/26/18 15:00	01/31/18 13:38	85-01-8	
Phenol	**<32.0**	ug/kg	406	32.0	1	01/26/18 15:00	01/31/18 13:38	108-95-2	
Pyrene	**66.6J**	ug/kg	406	40.6	1	01/26/18 15:00	01/31/18 13:38	129-00-0	
Pyridine	**<33.2**	ug/kg	406	33.2	1	01/26/18 15:00	01/31/18 13:38	110-86-1	
1,2,4-Trichlorobenzene	**<36.9**	ug/kg	406	36.9	1	01/26/18 15:00	01/31/18 13:38	120-82-1	
2,4,5-Trichlorophenol	**<36.9**	ug/kg	406	36.9	1	01/26/18 15:00	01/31/18 13:38	95-95-4	
2,4,6-Trichlorophenol	**<38.1**	ug/kg	406	38.1	1	01/26/18 15:00	01/31/18 13:38	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	71	%	41-114		1	01/26/18 15:00	01/31/18 13:38	4165-60-0	
2-Fluorobiphenyl (S)	76	%	61-109		1	01/26/18 15:00	01/31/18 13:38	321-60-8	
Terphenyl-d14 (S)	77	%	48-120		1	01/26/18 15:00	01/31/18 13:38	1718-51-0	
Phenol-d6 (S)	75	%	48-102		1	01/26/18 15:00	01/31/18 13:38	13127-88-3	
2-Fluorophenol (S)	73	%	46-102		1	01/26/18 15:00	01/31/18 13:38	367-12-4	
2,4,6-Tribromophenol (S)	80	%	39-114		1	01/26/18 15:00	01/31/18 13:38	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**17.4J**	mg/kg	18.9	1.5	1	01/25/18 15:00	01/31/18 09:24		B
TPH-DRO	**1.9J**	mg/kg	18.9	1.5	1	01/25/18 15:00	01/31/18 09:24		
Surrogates									
Nitrobenzene-d5 (S)	72	%	41-114		1	01/25/18 15:00	01/31/18 09:24	4165-60-0	
2-Fluorobiphenyl (S)	75	%	61-109		1	01/25/18 15:00	01/31/18 09:24	321-60-8	
Terphenyl-d14 (S)	62	%	48-120		1	01/25/18 15:00	01/31/18 09:24	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.27**	mg/kg	0.55	0.27	1		02/06/18 16:42		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**16.6J**	ug/kg	21.9	11.0	1		02/06/18 16:42	67-64-1	
Benzene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	71-43-2	
Bromobenzene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	108-86-1	
Bromochloromethane	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	74-97-5	
Bromodichloromethane	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	75-27-4	
Bromoform	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	75-25-2	
Bromomethane	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	74-83-9	
2-Butanone (MEK)	**<5.5**	ug/kg	11.0	5.5	1		02/06/18 16:42	78-93-3	
n-Butylbenzene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	104-51-8	
sec-Butylbenzene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	135-98-8	
tert-Butylbenzene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	98-06-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-13 (3-5) **Lab ID: 60262738007** Collected: 01/24/18 15:55 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	75-15-0	
Carbon tetrachloride	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	56-23-5	
Chlorobenzene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	108-90-7	
Chloroethane	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	75-00-3	
Chloroform	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	67-66-3	
Chloromethane	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	74-87-3	
2-Chlorotoluene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	95-49-8	
4-Chlorotoluene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.5**	ug/kg	11.0	5.5	1		02/06/18 16:42	96-12-8	
Dibromochloromethane	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	124-48-1	
1,2-Dibromoethane (EDB)	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	106-93-4	
Dibromomethane	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	74-95-3	
1,2-Dichlorobenzene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	95-50-1	
1,3-Dichlorobenzene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	541-73-1	
1,4-Dichlorobenzene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	106-46-7	
Dichlorodifluoromethane	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	75-71-8	
1,1-Dichloroethane	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	75-34-3	
1,2-Dichloroethane	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	107-06-2	
1,2-Dichloroethene (Total)	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	540-59-0	
1,1-Dichloroethene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	75-35-4	
cis-1,2-Dichloroethene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	156-59-2	
trans-1,2-Dichloroethene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	156-60-5	
1,2-Dichloropropane	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	78-87-5	
1,3-Dichloropropane	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	142-28-9	
2,2-Dichloropropane	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	594-20-7	
1,1-Dichloropropene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	563-58-6	
cis-1,3-Dichloropropene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	10061-01-5	
trans-1,3-Dichloropropene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	10061-02-6	
Ethylbenzene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	87-68-3	
2-Hexanone	**<11.0**	ug/kg	21.9	11.0	1		02/06/18 16:42	591-78-6	
Isopropylbenzene (Cumene)	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	98-82-8	
p-Isopropyltoluene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	99-87-6	
Methylene chloride	**4.2J**	ug/kg	5.5	2.7	1		02/06/18 16:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.5**	ug/kg	11.0	5.5	1		02/06/18 16:42	108-10-1	
Methyl-tert-butyl ether	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	1634-04-4	
Naphthalene	**<5.5**	ug/kg	11.0	5.5	1		02/06/18 16:42	91-20-3	
n-Propylbenzene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	103-65-1	
Styrene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	79-34-5	
Tetrachloroethene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	127-18-4	
Toluene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	108-88-3	
1,2,3-Trichlorobenzene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	87-61-6	
1,2,4-Trichlorobenzene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	120-82-1	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-13 (3-5) **Lab ID: 60262738007** Collected: 01/24/18 15:55 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	71-55-6	
1,1,2-Trichloroethane	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	79-00-5	
Trichloroethene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	79-01-6	
Trichlorofluoromethane	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	75-69-4	
1,2,3-Trichloropropane	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	96-18-4	
1,2,4-Trimethylbenzene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	95-63-6	
1,3,5-Trimethylbenzene	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	108-67-8	
Vinyl chloride	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	75-01-4	
Xylene (Total)	**<2.7**	ug/kg	5.5	2.7	1		02/06/18 16:42	1330-20-7	
Surrogates									
Toluene-d8 (S)	99	%	78-122		1		02/06/18 16:42	2037-26-5	
4-Bromofluorobenzene (S)	101	%	69-133		1		02/06/18 16:42	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	80-123		1		02/06/18 16:42	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**20.7**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		02/01/18 13:20		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**77.8J**	mg/kg	126	62.8	10	02/05/18 08:00	02/06/18 04:23	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**<6.3**	mg/kg	12.6	6.3	10	02/05/18 19:33	02/06/18 04:23	14797-55-8	
Nitrite as N	**<6.3**	mg/kg	12.6	6.3	10	02/05/18 19:33	02/06/18 04:23	14797-65-0	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-13 (10-12) **Lab ID: 60262738008** Collected: 01/24/18 16:15 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546								
Aldrin	**<0.68**	ug/kg	1.9	0.68	1	02/02/18 13:00	02/05/18 21:32	309-00-2	
alpha-BHC	**<0.30**	ug/kg	1.9	0.30	1	02/02/18 13:00	02/05/18 21:32	319-84-6	
beta-BHC	**<1.0**	ug/kg	3.2	1.0	1	02/02/18 13:00	02/05/18 21:32	319-85-7	
delta-BHC	**<0.92**	ug/kg	2.7	0.92	1	02/02/18 13:00	02/05/18 21:32	319-86-8	
gamma-BHC (Lindane)	**<0.86**	ug/kg	2.7	0.86	1	02/02/18 13:00	02/05/18 21:32	58-89-9	
Chlordane (Technical)	**<54.0**	ug/kg	288	54.0	1	02/02/18 13:00	02/05/18 21:32	57-74-9	
alpha-Chlordane	**<0.76**	ug/kg	3.2	0.76	1	02/02/18 13:00	02/05/18 21:32	5103-71-9	
gamma-Chlordane	**<1.3**	ug/kg	3.2	1.3	1	02/02/18 13:00	02/05/18 21:32	5103-74-2	
4,4'-DDD	**<0.63**	ug/kg	1.9	0.63	1	02/02/18 13:00	02/05/18 21:32	72-54-8	
4,4'-DDE	**<0.60**	ug/kg	1.9	0.60	1	02/02/18 13:00	02/05/18 21:32	72-55-9	
4,4'-DDT	**<1.2**	ug/kg	2.7	1.2	1	02/02/18 13:00	02/05/18 21:32	50-29-3	
Dieldrin	**<0.83**	ug/kg	2.7	0.83	1	02/02/18 13:00	02/05/18 21:32	60-57-1	
Endosulfan I	**<0.89**	ug/kg	2.7	0.89	1	02/02/18 13:00	02/05/18 21:32	959-98-8	
Endosulfan II	**<0.62**	ug/kg	1.9	0.62	1	02/02/18 13:00	02/05/18 21:32	33213-65-9	
Endosulfan sulfate	**<0.88**	ug/kg	2.7	0.88	1	02/02/18 13:00	02/05/18 21:32	1031-07-8	
Endrin	**<0.89**	ug/kg	3.2	0.89	1	02/02/18 13:00	02/05/18 21:32	72-20-8	
Endrin aldehyde	**<0.89**	ug/kg	2.7	0.89	1	02/02/18 13:00	02/05/18 21:32	7421-93-4	
Endrin ketone	**<1.1**	ug/kg	3.8	1.1	1	02/02/18 13:00	02/05/18 21:32	53494-70-5	
Heptachlor	**<1.5**	ug/kg	3.8	1.5	1	02/02/18 13:00	02/05/18 21:32	76-44-8	
Heptachlor epoxide	**<3.8**	ug/kg	9.6	3.8	1	02/02/18 13:00	02/05/18 21:32	1024-57-3	
Methoxychlor	**<1.1**	ug/kg	3.8	1.1	1	02/02/18 13:00	02/05/18 21:32	72-43-5	
Toxaphene	**<99.6**	ug/kg	288	99.6	1	02/02/18 13:00	02/05/18 21:32	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	72	%.	70-130		1	02/02/18 13:00	02/05/18 21:32	877-09-8	
Decachlorobiphenyl (S)	79	%.	70-130		1	02/02/18 13:00	02/05/18 21:32	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Stirophos (Tetrachlorvinphos)	**<6.4**	ug/kg	12.8	6.4	1	02/02/18 13:00	02/06/18 01:46	22248-79-9	
Azinphos, methyl (Guthion)	**<6.4**	ug/kg	12.8	6.4	1	02/02/18 13:00	02/06/18 01:46	86-50-0	
Bolstar	**<6.4**	ug/kg	12.8	6.4	1	02/02/18 13:00	02/06/18 01:46	35400-43-2	
Chlorpyrifos	**<6.4**	ug/kg	12.8	6.4	1	02/02/18 13:00	02/06/18 01:46	2921-88-2	
Coumaphos	**<6.4**	ug/kg	12.8	6.4	1	02/02/18 13:00	02/06/18 01:46	56-72-4	
Diazinon	**<6.4**	ug/kg	12.8	6.4	1	02/02/18 13:00	02/06/18 01:46	333-41-5	
Dichlorvos	**<3.2**	ug/kg	6.4	3.2	1	02/02/18 13:00	02/06/18 01:46	62-73-7	
Dimethoate	**<6.4**	ug/kg	12.8	6.4	1	02/02/18 13:00	02/06/18 01:46	60-51-5	
Disulfoton	**<3.2**	ug/kg	6.4	3.2	1	02/02/18 13:00	02/06/18 01:46	298-04-4	
EPN (ENT)	**<4.1**	ug/kg	6.4	4.1	1	02/02/18 13:00	02/06/18 01:46	2104-64-5	
Ethoprop	**<3.2**	ug/kg	6.4	3.2	1	02/02/18 13:00	02/06/18 01:46	13194-48-4	
Fensulfothion	**<6.4**	ug/kg	12.8	6.4	1	02/02/18 13:00	02/06/18 01:46	115-90-2	
Fenthion	**<3.2**	ug/kg	6.4	3.2	1	02/02/18 13:00	02/06/18 01:46	55-38-9	
Malathion	**<6.4**	ug/kg	12.8	6.4	1	02/02/18 13:00	02/06/18 01:46	121-75-5	
Methyl parathion	**<3.2**	ug/kg	6.4	3.2	1	02/02/18 13:00	02/06/18 01:46	298-00-0	
Mevinphos	**<3.8**	ug/kg	6.4	3.8	1	02/02/18 13:00	02/06/18 01:46	7786-34-7	
Parathion (Ethyl parathion)	**<6.4**	ug/kg	12.8	6.4	1	02/02/18 13:00	02/06/18 01:46	56-38-2	
Phorate	**<3.2**	ug/kg	6.4	3.2	1	02/02/18 13:00	02/06/18 01:46	298-02-2	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-13 (10-12) **Lab ID: 60262738008** Collected: 01/24/18 16:15 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546								
Ronnel	**<3.2**	ug/kg	6.4	3.2	1	02/02/18 13:00	02/06/18 01:46	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<3.2**	ug/kg	6.4	3.2	1	02/02/18 13:00	02/06/18 01:46	3689-24-5	
Tokuthion (Prothiofos)	**<3.2**	ug/kg	6.4	3.2	1	02/02/18 13:00	02/06/18 01:46	34643-46-4	
Trichloronate	**<6.4**	ug/kg	12.8	6.4	1	02/02/18 13:00	02/06/18 01:46	327-98-0	
Total Demeton	**<5.2**	ug/kg	6.4	5.2	1	02/02/18 13:00	02/06/18 01:46	8065-48-3	N2
Total Merphos	**<6.4**	ug/kg	25.6	6.4	1	02/02/18 13:00	02/06/18 01:46	150-50-5	N2
Surrogates									
Triphenylphosphate (S)	92	%.	11-137		1	02/02/18 13:00	02/06/18 01:46	115-86-6	
Tributylphosphate (S)	113	%.	17-125		1	02/02/18 13:00	02/06/18 01:46	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546								
2,4-D	**<3.1**	ug/kg	3.1	3.1	1	02/06/18 12:15	02/07/18 15:28	94-75-7	
Dalapon	**<3.1**	ug/kg	3.1	3.1	1	02/06/18 12:15	02/07/18 15:28	75-99-0	
2,4-DB	**<3.1**	ug/kg	3.1	3.1	1	02/06/18 12:15	02/07/18 15:28	94-82-6	
Dicamba	**<3.1**	ug/kg	3.1	3.1	1	02/06/18 12:15	02/07/18 15:28	1918-00-9	
Dichloroprop	**<3.1**	ug/kg	3.1	3.1	1	02/06/18 12:15	02/07/18 15:28	15165-67-0	
Dinoseb	**<3.1**	ug/kg	3.1	3.1	1	02/06/18 12:15	02/07/18 15:28	88-85-7	
MCPA	**<314**	ug/kg	314	314	1	02/06/18 12:15	02/07/18 15:28	94-74-6	
MCPP	**<314**	ug/kg	314	314	1	02/06/18 12:15	02/07/18 15:28	7085-19-0	
2,4,5-T	**<3.1**	ug/kg	3.1	3.1	1	02/06/18 12:15	02/07/18 15:28	93-76-5	
2,4,5-TP (Silvex)	**<3.1**	ug/kg	3.1	3.1	1	02/06/18 12:15	02/07/18 15:28	93-72-1	
Surrogates									
2,4-DCAA (S)	8	%.	10-188		1	02/06/18 12:15	02/07/18 15:28	19719-28-9	S1
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**26.8**	mg/kg	1.2	0.50	1	01/30/18 14:45	02/06/18 15:50	7440-38-2	
Barium	**265**	mg/kg	0.61	0.038	1	01/30/18 14:45	02/06/18 15:50	7440-39-3	
Cadmium	**0.048J**	mg/kg	0.61	0.045	1	01/30/18 14:45	02/06/18 15:50	7440-43-9	
Chromium	**17.4**	mg/kg	0.61	0.12	1	01/30/18 14:45	02/06/18 15:50	7440-47-3	
Lead	**14.0**	mg/kg	0.61	0.25	1	01/30/18 14:45	02/06/18 15:50	7439-92-1	
Selenium	**<0.91**	mg/kg	1.8	0.91	1	01/30/18 14:45	02/06/18 15:50	7782-49-2	
Silver	**<0.20**	mg/kg	0.86	0.20	1	01/30/18 14:45	02/06/18 15:50	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.027J**	mg/kg	0.051	0.0068	1	01/29/18 09:15	01/29/18 12:55	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**<44.3**	ug/kg	418	44.3	1	01/26/18 15:00	01/31/18 14:00	83-32-9	
Acenaphthylene	**<39.3**	ug/kg	418	39.3	1	01/26/18 15:00	01/31/18 14:00	208-96-8	
Anthracene	**<44.3**	ug/kg	418	44.3	1	01/26/18 15:00	01/31/18 14:00	120-12-7	
Benzo(a)anthracene	**<38.0**	ug/kg	418	38.0	1	01/26/18 15:00	01/31/18 14:00	56-55-3	
Benzo(a)pyrene	**<32.9**	ug/kg	418	32.9	1	01/26/18 15:00	01/31/18 14:00	50-32-8	
Benzo(b)fluoranthene	**<29.1**	ug/kg	418	29.1	1	01/26/18 15:00	01/31/18 14:00	205-99-2	
Benzo(g,h,i)perylene	**<40.5**	ug/kg	418	40.5	1	01/26/18 15:00	01/31/18 14:00	191-24-2	
Benzo(k)fluoranthene	**<49.4**	ug/kg	418	49.4	1	01/26/18 15:00	01/31/18 14:00	207-08-9	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-13 (10-12) **Lab ID: 60262738008** Collected: 01/24/18 16:15 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Benzoic acid	**<39.3**	ug/kg	2110	39.3	1	01/26/18 15:00	01/31/18 14:00	65-85-0	
Benzyl alcohol	**<130**	ug/kg	836	130	1	01/26/18 15:00	01/31/18 14:00	100-51-6	
4-Bromophenylphenyl ether	**<32.9**	ug/kg	418	32.9	1	01/26/18 15:00	01/31/18 14:00	101-55-3	
Butylbenzylphthalate	**<54.4**	ug/kg	418	54.4	1	01/26/18 15:00	01/31/18 14:00	85-68-7	
Carbazole	**<34.2**	ug/kg	418	34.2	1	01/26/18 15:00	01/31/18 14:00	86-74-8	
4-Chloro-3-methylphenol	**<45.6**	ug/kg	836	45.6	1	01/26/18 15:00	01/31/18 14:00	59-50-7	
4-Chloroaniline	**<82.3**	ug/kg	836	82.3	1	01/26/18 15:00	01/31/18 14:00	106-47-8	
bis(2-Chloroethoxy)methane	**<32.9**	ug/kg	418	32.9	1	01/26/18 15:00	01/31/18 14:00	111-91-1	
bis(2-Chloroethyl) ether	**<32.9**	ug/kg	418	32.9	1	01/26/18 15:00	01/31/18 14:00	111-44-4	
bis(2-Chloroisopropyl) ether	**<32.9**	ug/kg	418	32.9	1	01/26/18 15:00	01/31/18 14:00	39638-32-9	
2-Chloronaphthalene	**<35.5**	ug/kg	418	35.5	1	01/26/18 15:00	01/31/18 14:00	91-58-7	
2-Chlorophenol	**<34.2**	ug/kg	418	34.2	1	01/26/18 15:00	01/31/18 14:00	95-57-8	
4-Chlorophenylphenyl ether	**<40.5**	ug/kg	418	40.5	1	01/26/18 15:00	01/31/18 14:00	7005-72-3	
Chrysene	**<35.5**	ug/kg	418	35.5	1	01/26/18 15:00	01/31/18 14:00	218-01-9	
Dibenz(a,h)anthracene	**<38.0**	ug/kg	418	38.0	1	01/26/18 15:00	01/31/18 14:00	53-70-3	
Dibenzofuran	**<38.0**	ug/kg	418	38.0	1	01/26/18 15:00	01/31/18 14:00	132-64-9	
1,2-Dichlorobenzene	**<31.7**	ug/kg	418	31.7	1	01/26/18 15:00	01/31/18 14:00	95-50-1	
1,3-Dichlorobenzene	**<35.5**	ug/kg	418	35.5	1	01/26/18 15:00	01/31/18 14:00	541-73-1	
1,4-Dichlorobenzene	**<36.7**	ug/kg	418	36.7	1	01/26/18 15:00	01/31/18 14:00	106-46-7	
3,3'-Dichlorobenzidine	**<143**	ug/kg	836	143	1	01/26/18 15:00	01/31/18 14:00	91-94-1	
2,4-Dichlorophenol	**<38.0**	ug/kg	418	38.0	1	01/26/18 15:00	01/31/18 14:00	120-83-2	
Diethylphthalate	**<39.3**	ug/kg	418	39.3	1	01/26/18 15:00	01/31/18 14:00	84-66-2	
2,4-Dimethylphenol	**<22.8**	ug/kg	418	22.8	1	01/26/18 15:00	01/31/18 14:00	105-67-9	
Dimethylphthalate	**<40.5**	ug/kg	418	40.5	1	01/26/18 15:00	01/31/18 14:00	131-11-3	
Di-n-butylphthalate	**<44.3**	ug/kg	418	44.3	1	01/26/18 15:00	01/31/18 14:00	84-74-2	
4,6-Dinitro-2-methylphenol	**<55.7**	ug/kg	2110	55.7	1	01/26/18 15:00	01/31/18 14:00	534-52-1	
2,4-Dinitrophenol	**<60.8**	ug/kg	2110	60.8	1	01/26/18 15:00	01/31/18 14:00	51-28-5	
2,4-Dinitrotoluene	**<35.5**	ug/kg	418	35.5	1	01/26/18 15:00	01/31/18 14:00	121-14-2	
2,6-Dinitrotoluene	**<43.0**	ug/kg	418	43.0	1	01/26/18 15:00	01/31/18 14:00	606-20-2	
Di-n-octylphthalate	**<49.4**	ug/kg	418	49.4	1	01/26/18 15:00	01/31/18 14:00	117-84-0	
bis(2-Ethylhexyl)phthalate	**<144**	ug/kg	418	144	1	01/26/18 15:00	01/31/18 14:00	117-81-7	
Fluoranthene	**<39.3**	ug/kg	418	39.3	1	01/26/18 15:00	01/31/18 14:00	206-44-0	
Fluorene	**<39.3**	ug/kg	418	39.3	1	01/26/18 15:00	01/31/18 14:00	86-73-7	
Hexachloro-1,3-butadiene	**<41.8**	ug/kg	418	41.8	1	01/26/18 15:00	01/31/18 14:00	87-68-3	
Hexachlorobenzene	**<40.5**	ug/kg	418	40.5	1	01/26/18 15:00	01/31/18 14:00	118-74-1	
Hexachlorocyclopentadiene	**<88.6**	ug/kg	418	88.6	1	01/26/18 15:00	01/31/18 14:00	77-47-4	
Hexachloroethane	**<31.7**	ug/kg	418	31.7	1	01/26/18 15:00	01/31/18 14:00	67-72-1	
Indeno(1,2,3-cd)pyrene	**<45.6**	ug/kg	418	45.6	1	01/26/18 15:00	01/31/18 14:00	193-39-5	
Isophorone	**<38.0**	ug/kg	418	38.0	1	01/26/18 15:00	01/31/18 14:00	78-59-1	
2-Methylnaphthalene	**<30.4**	ug/kg	418	30.4	1	01/26/18 15:00	01/31/18 14:00	91-57-6	
2-Methylphenol(o-Cresol)	**<39.3**	ug/kg	418	39.3	1	01/26/18 15:00	01/31/18 14:00	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<45.6**	ug/kg	418	45.6	1	01/26/18 15:00	01/31/18 14:00		
Naphthalene	**<32.9**	ug/kg	418	32.9	1	01/26/18 15:00	01/31/18 14:00	91-20-3	
2-Nitroaniline	**<70.9**	ug/kg	836	70.9	1	01/26/18 15:00	01/31/18 14:00	88-74-4	
3-Nitroaniline	**<127**	ug/kg	836	127	1	01/26/18 15:00	01/31/18 14:00	99-09-2	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-13 (10-12) **Lab ID: 60262738008** Collected: 01/24/18 16:15 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Nitroaniline	**<108**	ug/kg	836	108	1	01/26/18 15:00	01/31/18 14:00	100-01-6	
Nitrobenzene	**<39.3**	ug/kg	418	39.3	1	01/26/18 15:00	01/31/18 14:00	98-95-3	
2-Nitrophenol	**<58.2**	ug/kg	418	58.2	1	01/26/18 15:00	01/31/18 14:00	88-75-5	
4-Nitrophenol	**<65.8**	ug/kg	2110	65.8	1	01/26/18 15:00	01/31/18 14:00	100-02-7	
N-Nitroso-di-n-propylamine	**<41.8**	ug/kg	418	41.8	1	01/26/18 15:00	01/31/18 14:00	621-64-7	
N-Nitrosodiphenylamine	**<32.9**	ug/kg	418	32.9	1	01/26/18 15:00	01/31/18 14:00	86-30-6	
Pentachlorophenol	**<39.3**	ug/kg	2110	39.3	1	01/26/18 15:00	01/31/18 14:00	87-86-5	
Phenanthrene	**<39.3**	ug/kg	418	39.3	1	01/26/18 15:00	01/31/18 14:00	85-01-8	
Phenol	**<32.9**	ug/kg	418	32.9	1	01/26/18 15:00	01/31/18 14:00	108-95-2	
Pyrene	**<41.8**	ug/kg	418	41.8	1	01/26/18 15:00	01/31/18 14:00	129-00-0	
Pyridine	**<34.2**	ug/kg	418	34.2	1	01/26/18 15:00	01/31/18 14:00	110-86-1	
1,2,4-Trichlorobenzene	**<38.0**	ug/kg	418	38.0	1	01/26/18 15:00	01/31/18 14:00	120-82-1	
2,4,5-Trichlorophenol	**<38.0**	ug/kg	418	38.0	1	01/26/18 15:00	01/31/18 14:00	95-95-4	
2,4,6-Trichlorophenol	**<39.3**	ug/kg	418	39.3	1	01/26/18 15:00	01/31/18 14:00	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	77	%	41-114		1	01/26/18 15:00	01/31/18 14:00	4165-60-0	
2-Fluorobiphenyl (S)	82	%	61-109		1	01/26/18 15:00	01/31/18 14:00	321-60-8	
Terphenyl-d14 (S)	88	%	48-120		1	01/26/18 15:00	01/31/18 14:00	1718-51-0	
Phenol-d6 (S)	83	%	48-102		1	01/26/18 15:00	01/31/18 14:00	13127-88-3	
2-Fluorophenol (S)	80	%	46-102		1	01/26/18 15:00	01/31/18 14:00	367-12-4	
2,4,6-Tribromophenol (S)	96	%	39-114		1	01/26/18 15:00	01/31/18 14:00	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
TPH-ORO	**13.5J**	mg/kg	19.3	1.5	1	01/25/18 15:00	01/31/18 09:45		B
TPH-DRO	**<1.5**	mg/kg	19.3	1.5	1	01/25/18 15:00	01/31/18 09:45		
Surrogates									
Nitrobenzene-d5 (S)	78	%	41-114		1	01/25/18 15:00	01/31/18 09:45	4165-60-0	
2-Fluorobiphenyl (S)	76	%	61-109		1	01/25/18 15:00	01/31/18 09:45	321-60-8	
Terphenyl-d14 (S)	75	%	48-120		1	01/25/18 15:00	01/31/18 09:45	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260								
TPH-GRO	**<0.28**	mg/kg	0.55	0.28	1		02/06/18 16:58		
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Acetone	**<11.0**	ug/kg	22.0	11.0	1		02/06/18 16:58	67-64-1	
Benzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	71-43-2	
Bromobenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	108-86-1	
Bromochloromethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	74-97-5	
Bromodichloromethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	75-27-4	
Bromoform	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	75-25-2	
Bromomethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	74-83-9	
2-Butanone (MEK)	**<5.5**	ug/kg	11.0	5.5	1		02/06/18 16:58	78-93-3	
n-Butylbenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	104-51-8	
sec-Butylbenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	135-98-8	
tert-Butylbenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	98-06-6	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-13 (10-12) **Lab ID: 60262738008** Collected: 01/24/18 16:15 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
Carbon disulfide	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	75-15-0	
Carbon tetrachloride	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	56-23-5	
Chlorobenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	108-90-7	
Chloroethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	75-00-3	
Chloroform	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	67-66-3	
Chloromethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	74-87-3	
2-Chlorotoluene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	95-49-8	
4-Chlorotoluene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.5**	ug/kg	11.0	5.5	1		02/06/18 16:58	96-12-8	
Dibromochloromethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	124-48-1	
1,2-Dibromoethane (EDB)	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	106-93-4	
Dibromomethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	74-95-3	
1,2-Dichlorobenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	95-50-1	
1,3-Dichlorobenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	541-73-1	
1,4-Dichlorobenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	106-46-7	
Dichlorodifluoromethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	75-71-8	
1,1-Dichloroethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	75-34-3	
1,2-Dichloroethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	107-06-2	
1,2-Dichloroethene (Total)	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	540-59-0	
1,1-Dichloroethene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	75-35-4	
cis-1,2-Dichloroethene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	156-59-2	
trans-1,2-Dichloroethene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	156-60-5	
1,2-Dichloropropane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	78-87-5	
1,3-Dichloropropane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	142-28-9	
2,2-Dichloropropane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	594-20-7	
1,1-Dichloropropene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	563-58-6	
cis-1,3-Dichloropropene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	10061-01-5	
trans-1,3-Dichloropropene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	10061-02-6	
Ethylbenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	100-41-4	
Hexachloro-1,3-butadiene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	87-68-3	
2-Hexanone	**<11.0**	ug/kg	22.0	11.0	1		02/06/18 16:58	591-78-6	
Isopropylbenzene (Cumene)	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	98-82-8	
p-Isopropyltoluene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	99-87-6	
Methylene chloride	**3.5J**	ug/kg	5.5	2.8	1		02/06/18 16:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.5**	ug/kg	11.0	5.5	1		02/06/18 16:58	108-10-1	
Methyl-tert-butyl ether	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	1634-04-4	
Naphthalene	**<5.5**	ug/kg	11.0	5.5	1		02/06/18 16:58	91-20-3	
n-Propylbenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	103-65-1	
Styrene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	79-34-5	
Tetrachloroethene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	127-18-4	
Toluene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	108-88-3	
1,2,3-Trichlorobenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	87-61-6	
1,2,4-Trichlorobenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	120-82-1	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-13 (10-12) **Lab ID: 60262738008** Collected: 01/24/18 16:15 Received: 01/25/18 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	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260								
1,1,1-Trichloroethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	71-55-6	
1,1,2-Trichloroethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	79-00-5	
Trichloroethene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	79-01-6	
Trichlorofluoromethane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	75-69-4	
1,2,3-Trichloropropane	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	96-18-4	
1,2,4-Trimethylbenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	95-63-6	
1,3,5-Trimethylbenzene	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	108-67-8	
Vinyl chloride	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	75-01-4	
Xylene (Total)	**<2.8**	ug/kg	5.5	2.8	1		02/06/18 16:58	1330-20-7	
Surrogates									
Toluene-d8 (S)	97	%	78-122		1		02/06/18 16:58	2037-26-5	
4-Bromofluorobenzene (S)	98	%	69-133		1		02/06/18 16:58	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	80-123		1		02/06/18 16:58	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974								
Percent Moisture	**22.8**	%	0.50	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		02/01/18 13:20		
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Sulfate	**67.7J**	mg/kg	131	65.3	10	02/05/18 08:00	02/06/18 04:51	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056		Preparation Method: EPA 9056						
Nitrate as N	**<6.5**	mg/kg	13.1	6.5	10	02/05/18 19:33	02/06/18 04:51	14797-55-8	
Nitrite as N	**<6.5**	mg/kg	13.1	6.5	10	02/05/18 19:33	02/06/18 04:51	14797-65-0	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-10 **Lab ID: 60262738009** Collected: 01/24/18 09:15 Received: 01/25/18 10:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**<0.0070**	ug/L	0.010	0.0070	1	01/31/18 20:10	02/09/18 15:36	309-00-2	
alpha-BHC	**<0.0060**	ug/L	0.010	0.0060	1	01/31/18 20:10	02/09/18 15:36	319-84-6	
beta-BHC	**<0.010**	ug/L	0.010	0.010	1	01/31/18 20:10	02/09/18 15:36	319-85-7	
delta-BHC	**<0.0090**	ug/L	0.010	0.0090	1	01/31/18 20:10	02/09/18 15:36	319-86-8	
gamma-BHC (Lindane)	**0.011**	ug/L	0.010	0.0080	1	01/31/18 20:10	02/09/18 15:36	58-89-9	
Chlordane (Technical)	**<0.090**	ug/L	0.10	0.090	1	01/31/18 20:10	02/09/18 15:36	57-74-9	
alpha-Chlordane	**<0.024**	ug/L	0.10	0.024	1	01/31/18 20:10	02/09/18 15:36	5103-71-9	
gamma-Chlordane	**<0.034**	ug/L	0.10	0.034	1	01/31/18 20:10	02/09/18 15:36	5103-74-2	
4,4'-DDD	**<0.0050**	ug/L	0.010	0.0050	1	01/31/18 20:10	02/09/18 15:36	72-54-8	
4,4'-DDE	**<0.0070**	ug/L	0.010	0.0070	1	01/31/18 20:10	02/09/18 15:36	72-55-9	
4,4'-DDT	**<0.0070**	ug/L	0.010	0.0070	1	01/31/18 20:10	02/09/18 15:36	50-29-3	
Dieldrin	**<0.0060**	ug/L	0.010	0.0060	1	01/31/18 20:10	02/09/18 15:36	60-57-1	
Endosulfan I	**<0.021**	ug/L	0.10	0.021	1	01/31/18 20:10	02/09/18 15:36	959-98-8	
Endosulfan II	**<0.0090**	ug/L	0.010	0.0090	1	01/31/18 20:10	02/09/18 15:36	33213-65-9	
Endosulfan sulfate	**<0.0070**	ug/L	0.010	0.0070	1	01/31/18 20:10	02/09/18 15:36	1031-07-8	
Endrin	**<0.0070**	ug/L	0.010	0.0070	1	01/31/18 20:10	02/09/18 15:36	72-20-8	
Endrin aldehyde	**<0.029**	ug/L	0.10	0.029	1	01/31/18 20:10	02/09/18 15:36	7421-93-4	
Endrin ketone	**<0.025**	ug/L	0.10	0.025	1	01/31/18 20:10	02/09/18 15:36	53494-70-5	
Heptachlor	**<0.0050**	ug/L	0.010	0.0050	1	01/31/18 20:10	02/09/18 15:36	76-44-8	
Heptachlor epoxide	**<0.0070**	ug/L	0.010	0.0070	1	01/31/18 20:10	02/09/18 15:36	1024-57-3	
Methoxychlor	**<0.0060**	ug/L	0.010	0.0060	1	01/31/18 20:10	02/09/18 15:36	72-43-5	
Toxaphene	**<0.61**	ug/L	1.5	0.61	1	01/31/18 20:10	02/09/18 15:36	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	57	%.	54-127		1	01/31/18 20:10	02/09/18 15:36	877-09-8	
Decachlorobiphenyl (S)	45	%.	12-162		1	01/31/18 20:10	02/09/18 15:36	2051-24-3	
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510								
Stirophos (Tetrachlorvinphos)	**<0.072**	ug/L	0.10	0.072	1	01/31/18 20:10	02/06/18 15:03	22248-79-9	
Azinphos, methyl (Guthion)	**<0.093**	ug/L	0.10	0.093	1	01/31/18 20:10	02/06/18 15:03	86-50-0	
Bolstar	**<0.090**	ug/L	0.10	0.090	1	01/31/18 20:10	02/06/18 15:03	35400-43-2	
Chlorpyrifos	**<0.067**	ug/L	0.10	0.067	1	01/31/18 20:10	02/06/18 15:03	2921-88-2	
Coumaphos	**<0.092**	ug/L	0.10	0.092	1	01/31/18 20:10	02/06/18 15:03	56-72-4	
Diazinon	**<0.078**	ug/L	0.10	0.078	1	01/31/18 20:10	02/06/18 15:03	333-41-5	
Dichlorvos	**<0.073**	ug/L	0.10	0.073	1	01/31/18 20:10	02/06/18 15:03	62-73-7	
Dimethoate	**<0.083**	ug/L	0.10	0.083	1	01/31/18 20:10	02/06/18 15:03	60-51-5	
Disulfoton	**<0.071**	ug/L	0.10	0.071	1	01/31/18 20:10	02/06/18 15:03	298-04-4	
EPN (ENT)	**<0.087**	ug/L	0.10	0.087	1	01/31/18 20:10	02/06/18 15:03	2104-64-5	
Ethoprop	**<0.059**	ug/L	0.10	0.059	1	01/31/18 20:10	02/06/18 15:03	13194-48-4	
Fensulfothion	**<0.087**	ug/L	0.10	0.087	1	01/31/18 20:10	02/06/18 15:03	115-90-2	
Fenthion	**<0.088**	ug/L	0.10	0.088	1	01/31/18 20:10	02/06/18 15:03	55-38-9	
Malathion	**<0.086**	ug/L	0.10	0.086	1	01/31/18 20:10	02/06/18 15:03	121-75-5	
Methyl parathion	**<0.070**	ug/L	0.10	0.070	1	01/31/18 20:10	02/06/18 15:03	298-00-0	
Mevinphos	**<0.065**	ug/L	0.10	0.065	1	01/31/18 20:10	02/06/18 15:03	7786-34-7	
Parathion (Ethyl parathion)	**<0.060**	ug/L	0.10	0.060	1	01/31/18 20:10	02/06/18 15:03	56-38-2	
Phorate	**<0.064**	ug/L	0.10	0.064	1	01/31/18 20:10	02/06/18 15:03	298-02-2	
Ronnel	**<0.088**	ug/L	0.10	0.088	1	01/31/18 20:10	02/06/18 15:03	299-84-3	

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(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-10 **Lab ID: 60262738009** Collected: 01/24/18 09:15 Received: 01/25/18 10:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510								
Sulfotep (Thiodiphosphoric Ac	**<0.061**	ug/L	0.10	0.061	1	01/31/18 20:10	02/06/18 15:03	3689-24-5	
Tokuthion (Prothiofos)	**<0.081**	ug/L	0.10	0.081	1	01/31/18 20:10	02/06/18 15:03	34643-46-4	
Trichloronate	**<0.087**	ug/L	0.10	0.087	1	01/31/18 20:10	02/06/18 15:03	327-98-0	
Total Demeton	**<0.083**	ug/L	0.10	0.083	1	01/31/18 20:10	02/06/18 15:03	8065-48-3	
Total Merphos	**<0.038**	ug/L	0.10	0.038	1	01/31/18 20:10	02/06/18 15:03	150-50-5	
Surrogates									
Triphenylphosphate (S)	98	%.	10-175		1	01/31/18 20:10	02/06/18 15:03	115-86-6	
Tributylphosphate (S)	121	%.	20-150		1	01/31/18 20:10	02/06/18 15:03	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**1.7**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 17:08	94-75-7	
Dalapon	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 17:08	75-99-0	
2,4-DB	**<0.34**	ug/L	0.50	0.34	1	01/29/18 21:00	02/01/18 17:08	94-82-6	
Dicamba	**0.32J**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 17:08	1918-00-9	
Dichloroprop	**1.2**	ug/L	0.50	0.29	1	01/29/18 21:00	02/01/18 17:08	15165-67-0	
Dinoseb	**<0.50**	ug/L	0.50	0.50	1	01/29/18 21:00	02/01/18 17:08	88-85-7	
MCPA	**<20.0**	ug/L	20.0	20.0	1	01/29/18 21:00	02/01/18 17:08	94-74-6	
MCPP	**<20.0**	ug/L	20.0	20.0	1	01/29/18 21:00	02/01/18 17:08	7085-19-0	
2,4,5-T	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 17:08	93-76-5	
2,4,5-TP (Silvex)	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 17:08	93-72-1	
Surrogates									
2,4-DCAA (S)	123	%.	47-166		1	01/29/18 21:00	02/01/18 17:08	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**68.6**	ug/L	10.0	4.2	1	01/30/18 11:15	02/01/18 15:21	7440-38-2	
Barium	**7570**	ug/L	5.0	0.91	1	01/30/18 11:15	02/01/18 15:21	7440-39-3	
Cadmium	**8.6**	ug/L	5.0	0.64	1	01/30/18 11:15	02/01/18 15:21	7440-43-9	
Chromium	**218**	ug/L	5.0	0.72	1	01/30/18 11:15	02/01/18 15:21	7440-47-3	
Lead	**268**	ug/L	5.0	2.4	1	01/30/18 11:15	02/01/18 15:21	7439-92-1	
Selenium	**<3.4**	ug/L	15.0	3.4	1	01/30/18 11:15	02/01/18 15:21	7782-49-2	
Silver	**<1.9**	ug/L	7.0	1.9	1	01/30/18 11:15	02/01/18 15:21	7440-22-4	
6010 MET ICP, Dissolved (LF)	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic, Dissolved	**<4.2**	ug/L	10.0	4.2	1	01/30/18 10:10	01/31/18 17:32	7440-38-2	
Barium, Dissolved	**84.3**	ug/L	5.0	0.91	1	01/30/18 10:10	01/31/18 17:32	7440-39-3	
Cadmium, Dissolved	**0.76J**	ug/L	5.0	0.64	1	01/30/18 10:10	01/31/18 17:32	7440-43-9	
Chromium, Dissolved	**1.8J**	ug/L	5.0	0.72	1	01/30/18 10:10	01/31/18 17:32	7440-47-3	
Lead, Dissolved	**<2.4**	ug/L	5.0	2.4	1	01/30/18 10:10	01/31/18 17:32	7439-92-1	
Selenium, Dissolved	**<3.4**	ug/L	15.0	3.4	1	01/30/18 10:10	01/31/18 17:32	7782-49-2	
Silver, Dissolved	**<1.9**	ug/L	7.0	1.9	1	01/30/18 10:10	01/31/18 17:32	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**1.5**	ug/L	0.20	0.046	1	02/08/18 11:51	02/08/18 15:29	7439-97-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-10 **Lab ID: 60262738009** Collected: 01/24/18 09:15 Received: 01/25/18 10:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury, Dissolved (LF)	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.046**	ug/L	0.20	0.046	1	02/08/18 15:58	02/09/18 11:19	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**<0.33**	ug/L	9.3	0.33	1	01/25/18 00:00	01/26/18 20:00	83-32-9	1e
Acenaphthylene	**<0.35**	ug/L	9.3	0.35	1	01/25/18 00:00	01/26/18 20:00	208-96-8	1e
Anthracene	**<0.28**	ug/L	9.3	0.28	1	01/25/18 00:00	01/26/18 20:00	120-12-7	1e
Benzo(a)anthracene	**<0.27**	ug/L	9.3	0.27	1	01/25/18 00:00	01/26/18 20:00	56-55-3	1e
Benzo(a)pyrene	**<0.33**	ug/L	9.3	0.33	1	01/25/18 00:00	01/26/18 20:00	50-32-8	1e
Benzo(b)fluoranthene	**<0.32**	ug/L	9.3	0.32	1	01/25/18 00:00	01/26/18 20:00	205-99-2	1e
Benzo(g,h,i)perylene	**<0.37**	ug/L	9.3	0.37	1	01/25/18 00:00	01/26/18 20:00	191-24-2	1e
Benzo(k)fluoranthene	**<0.39**	ug/L	9.3	0.39	1	01/25/18 00:00	01/26/18 20:00	207-08-9	1e
Benzoic acid	**9.6J**	ug/L	46.3	2.3	1	01/25/18 00:00	01/26/18 20:00	65-85-0	1e
Benzyl alcohol	**<0.32**	ug/L	18.5	0.32	1	01/25/18 00:00	01/26/18 20:00	100-51-6	1e
4-Bromophenylphenyl ether	**<0.35**	ug/L	9.3	0.35	1	01/25/18 00:00	01/26/18 20:00	101-55-3	1e
Butylbenzylphthalate	**<0.37**	ug/L	9.3	0.37	1	01/25/18 00:00	01/26/18 20:00	85-68-7	1e
Carbazole	**<0.32**	ug/L	9.3	0.32	1	01/25/18 00:00	01/26/18 20:00	86-74-8	1e
4-Chloro-3-methylphenol	**<0.23**	ug/L	18.5	0.23	1	01/25/18 00:00	01/26/18 20:00	59-50-7	1e
4-Chloroaniline	**<0.48**	ug/L	18.5	0.48	1	01/25/18 00:00	01/26/18 20:00	106-47-8	1e
bis(2-Chloroethoxy)methane	**<4.6**	ug/L	9.3	4.6	1	01/25/18 00:00	01/26/18 20:00	111-91-1	1e
bis(2-Chloroethyl) ether	**<0.27**	ug/L	9.3	0.27	1	01/25/18 00:00	01/26/18 20:00	111-44-4	1e
bis(2-Chloroisopropyl) ether	**<0.27**	ug/L	9.3	0.27	1	01/25/18 00:00	01/26/18 20:00	39638-32-9	1e
2-Chloronaphthalene	**<0.32**	ug/L	9.3	0.32	1	01/25/18 00:00	01/26/18 20:00	91-58-7	1e
2-Chlorophenol	**<0.28**	ug/L	9.3	0.28	1	01/25/18 00:00	01/26/18 20:00	95-57-8	1e
4-Chlorophenylphenyl ether	**<0.28**	ug/L	9.3	0.28	1	01/25/18 00:00	01/26/18 20:00	7005-72-3	1e
Chrysene	**<0.33**	ug/L	9.3	0.33	1	01/25/18 00:00	01/26/18 20:00	218-01-9	1e
Dibenz(a,h)anthracene	**<0.42**	ug/L	9.3	0.42	1	01/25/18 00:00	01/26/18 20:00	53-70-3	1e
Dibenzofuran	**<0.36**	ug/L	9.3	0.36	1	01/25/18 00:00	01/26/18 20:00	132-64-9	1e
1,2-Dichlorobenzene	**<0.27**	ug/L	9.3	0.27	1	01/25/18 00:00	01/26/18 20:00	95-50-1	1e
1,3-Dichlorobenzene	**<0.50**	ug/L	9.3	0.50	1	01/25/18 00:00	01/26/18 20:00	541-73-1	1e
1,4-Dichlorobenzene	**<0.38**	ug/L	9.3	0.38	1	01/25/18 00:00	01/26/18 20:00	106-46-7	1e
3,3'-Dichlorobenzidine	**<0.36**	ug/L	18.5	0.36	1	01/25/18 00:00	01/26/18 20:00	91-94-1	1e
2,4-Dichlorophenol	**<0.48**	ug/L	9.3	0.48	1	01/25/18 00:00	01/26/18 20:00	120-83-2	1e
Diethylphthalate	**<0.42**	ug/L	9.3	0.42	1	01/25/18 00:00	01/26/18 20:00	84-66-2	1e
2,4-Dimethylphenol	**<0.56**	ug/L	9.3	0.56	1	01/25/18 00:00	01/26/18 20:00	105-67-9	1e
Dimethylphthalate	**<0.32**	ug/L	9.3	0.32	1	01/25/18 00:00	01/26/18 20:00	131-11-3	1e
Di-n-butylphthalate	**<0.36**	ug/L	9.3	0.36	1	01/25/18 00:00	01/26/18 20:00	84-74-2	1e
4,6-Dinitro-2-methylphenol	**<0.51**	ug/L	46.3	0.51	1	01/25/18 00:00	01/26/18 20:00	534-52-1	1e
2,4-Dinitrophenol	**<7.8**	ug/L	46.3	7.8	1	01/25/18 00:00	01/26/18 20:00	51-28-5	1e
2,4-Dinitrotoluene	**<0.31**	ug/L	9.3	0.31	1	01/25/18 00:00	01/26/18 20:00	121-14-2	1e
2,6-Dinitrotoluene	**<0.26**	ug/L	9.3	0.26	1	01/25/18 00:00	01/26/18 20:00	606-20-2	1e
Di-n-octylphthalate	**<0.46**	ug/L	9.3	0.46	1	01/25/18 00:00	01/26/18 20:00	117-84-0	1e
bis(2-Ethylhexyl)phthalate	**<0.57**	ug/L	9.3	0.57	1	01/25/18 00:00	01/26/18 20:00	117-81-7	1e
Fluoranthene	**<0.34**	ug/L	9.3	0.34	1	01/25/18 00:00	01/26/18 20:00	206-44-0	1e
Fluorene	**<0.31**	ug/L	9.3	0.31	1	01/25/18 00:00	01/26/18 20:00	86-73-7	1e
Hexachloro-1,3-butadiene	**<0.35**	ug/L	9.3	0.35	1	01/25/18 00:00	01/26/18 20:00	87-68-3	1e
Hexachlorobenzene	**<0.28**	ug/L	9.3	0.28	1	01/25/18 00:00	01/26/18 20:00	118-74-1	1e

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-10 **Lab ID: 60262738009** Collected: 01/24/18 09:15 Received: 01/25/18 10:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Hexachlorocyclopentadiene	**<0.32**	ug/L	9.3	0.32	1	01/25/18 00:00	01/26/18 20:00	77-47-4	1e
Hexachloroethane	**<0.27**	ug/L	9.3	0.27	1	01/25/18 00:00	01/26/18 20:00	67-72-1	1e
Indeno(1,2,3-cd)pyrene	**<0.30**	ug/L	9.3	0.30	1	01/25/18 00:00	01/26/18 20:00	193-39-5	1e
Isophorone	**<0.26**	ug/L	9.3	0.26	1	01/25/18 00:00	01/26/18 20:00	78-59-1	1e
2-Methylnaphthalene	**<0.24**	ug/L	9.3	0.24	1	01/25/18 00:00	01/26/18 20:00	91-57-6	1e
2-Methylphenol(o-Cresol)	**<0.26**	ug/L	9.3	0.26	1	01/25/18 00:00	01/26/18 20:00	95-48-7	1e
3&4-Methylphenol(m&p Cresol)	**<4.6**	ug/L	9.3	4.6	1	01/25/18 00:00	01/26/18 20:00		1e
Naphthalene	**<0.33**	ug/L	9.3	0.33	1	01/25/18 00:00	01/26/18 20:00	91-20-3	1e
2-Nitroaniline	**<0.39**	ug/L	46.3	0.39	1	01/25/18 00:00	01/26/18 20:00	88-74-4	1e
3-Nitroaniline	**<0.32**	ug/L	46.3	0.32	1	01/25/18 00:00	01/26/18 20:00	99-09-2	1e
4-Nitroaniline	**<0.32**	ug/L	46.3	0.32	1	01/25/18 00:00	01/26/18 20:00	100-01-6	1e
Nitrobenzene	**<0.28**	ug/L	9.3	0.28	1	01/25/18 00:00	01/26/18 20:00	98-95-3	1e
2-Nitrophenol	**<0.26**	ug/L	9.3	0.26	1	01/25/18 00:00	01/26/18 20:00	88-75-5	1e
4-Nitrophenol	**<0.29**	ug/L	46.3	0.29	1	01/25/18 00:00	01/26/18 20:00	100-02-7	1e
N-Nitroso-di-n-propylamine	**<0.25**	ug/L	9.3	0.25	1	01/25/18 00:00	01/26/18 20:00	621-64-7	1e
N-Nitrosodiphenylamine	**<0.37**	ug/L	9.3	0.37	1	01/25/18 00:00	01/26/18 20:00	86-30-6	1e
Pentachlorophenol	**<0.29**	ug/L	46.3	0.29	1	01/25/18 00:00	01/26/18 20:00	87-86-5	1e
Phenanthrene	**<0.31**	ug/L	9.3	0.31	1	01/25/18 00:00	01/26/18 20:00	85-01-8	1e
Phenol	**<4.6**	ug/L	9.3	4.6	1	01/25/18 00:00	01/26/18 20:00	108-95-2	1e
Pyrene	**<0.26**	ug/L	9.3	0.26	1	01/25/18 00:00	01/26/18 20:00	129-00-0	1e
Pyridine	**<0.29**	ug/L	9.3	0.29	1	01/25/18 00:00	01/26/18 20:00	110-86-1	1e
1,2,4-Trichlorobenzene	**<0.31**	ug/L	9.3	0.31	1	01/25/18 00:00	01/26/18 20:00	120-82-1	1e
2,4,5-Trichlorophenol	**<0.31**	ug/L	46.3	0.31	1	01/25/18 00:00	01/26/18 20:00	95-95-4	1e
2,4,6-Trichlorophenol	**<0.36**	ug/L	9.3	0.36	1	01/25/18 00:00	01/26/18 20:00	88-06-2	1e
Surrogates									
Nitrobenzene-d5 (S)	53	%	33-99		1	01/25/18 00:00	01/26/18 20:00	4165-60-0	
2-Fluorobiphenyl (S)	57	%	30-103		1	01/25/18 00:00	01/26/18 20:00	321-60-8	
Terphenyl-d14 (S)	54	%	38-114		1	01/25/18 00:00	01/26/18 20:00	1718-51-0	
Phenol-d6 (S)	36	%	10-56		1	01/25/18 00:00	01/26/18 20:00	13127-88-3	
2-Fluorophenol (S)	44	%	10-68		1	01/25/18 00:00	01/26/18 20:00	367-12-4	
2,4,6-Tribromophenol (S)	71	%	21-124		1	01/25/18 00:00	01/26/18 20:00	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C								
TPH-ORO	**<0.91**	mg/L	0.91	0.91	1	01/26/18 15:00	01/31/18 01:57		1e
TPH-DRO	**<0.91**	mg/L	0.91	0.91	1	01/26/18 15:00	01/31/18 01:57		1e
Surrogates									
Nitrobenzene-d5 (S)	77	%	33-99		1	01/26/18 15:00	01/31/18 01:57	4165-60-0	
2-Fluorobiphenyl (S)	75	%	30-103		1	01/26/18 15:00	01/31/18 01:57	321-60-8	
Terphenyl-d14 (S)	67	%	38-114		1	01/26/18 15:00	01/31/18 01:57	1718-51-0	
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**<1.9**	ug/L	10.0	1.9	1		01/26/18 15:37	67-64-1	
Benzene	**<0.060**	ug/L	1.0	0.060	1		01/26/18 15:37	71-43-2	
Bromobenzene	**<0.10**	ug/L	1.0	0.10	1		01/26/18 15:37	108-86-1	
Bromochloromethane	**<0.15**	ug/L	1.0	0.15	1		01/26/18 15:37	74-97-5	
Bromodichloromethane	**<0.19**	ug/L	1.0	0.19	1		01/26/18 15:37	75-27-4	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-10 **Lab ID: 60262738009** Collected: 01/24/18 09:15 Received: 01/25/18 10:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Bromoform	**<0.070**	ug/L	1.0	0.070	1		01/26/18 15:37	75-25-2	
Bromomethane	**<0.16**	ug/L	5.0	0.16	1		01/26/18 15:37	74-83-9	
2-Butanone (MEK)	**<0.59**	ug/L	10.0	0.59	1		01/26/18 15:37	78-93-3	
n-Butylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/26/18 15:37	104-51-8	
sec-Butylbenzene	**<0.050**	ug/L	1.0	0.050	1		01/26/18 15:37	135-98-8	
tert-Butylbenzene	**<0.34**	ug/L	1.0	0.34	1		01/26/18 15:37	98-06-6	
Carbon disulfide	**<0.12**	ug/L	5.0	0.12	1		01/26/18 15:37	75-15-0	
Carbon tetrachloride	**<0.18**	ug/L	1.0	0.18	1		01/26/18 15:37	56-23-5	
Chlorobenzene	**<0.21**	ug/L	1.0	0.21	1		01/26/18 15:37	108-90-7	
Chloroethane	**<0.15**	ug/L	1.0	0.15	1		01/26/18 15:37	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		01/26/18 15:37	67-66-3	
Chloromethane	**<0.080**	ug/L	1.0	0.080	1		01/26/18 15:37	74-87-3	
2-Chlorotoluene	**<0.12**	ug/L	1.0	0.12	1		01/26/18 15:37	95-49-8	
4-Chlorotoluene	**<0.14**	ug/L	1.0	0.14	1		01/26/18 15:37	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.59**	ug/L	2.5	0.59	1		01/26/18 15:37	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		01/26/18 15:37	124-48-1	
1,2-Dibromoethane (EDB)	**<0.17**	ug/L	1.0	0.17	1		01/26/18 15:37	106-93-4	
Dibromomethane	**<0.18**	ug/L	1.0	0.18	1		01/26/18 15:37	74-95-3	
1,2-Dichlorobenzene	**<0.050**	ug/L	1.0	0.050	1		01/26/18 15:37	95-50-1	
1,3-Dichlorobenzene	**<0.070**	ug/L	1.0	0.070	1		01/26/18 15:37	541-73-1	
1,4-Dichlorobenzene	**<0.060**	ug/L	1.0	0.060	1		01/26/18 15:37	106-46-7	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	0.21	1		01/26/18 15:37	75-71-8	
1,1-Dichloroethane	**<0.050**	ug/L	1.0	0.050	1		01/26/18 15:37	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		01/26/18 15:37	107-06-2	
1,2-Dichloroethene (Total)	**<0.28**	ug/L	1.0	0.28	1		01/26/18 15:37	540-59-0	
1,1-Dichloroethene	**<0.20**	ug/L	1.0	0.20	1		01/26/18 15:37	75-35-4	
cis-1,2-Dichloroethene	**<0.080**	ug/L	1.0	0.080	1		01/26/18 15:37	156-59-2	
trans-1,2-Dichloroethene	**<0.20**	ug/L	1.0	0.20	1		01/26/18 15:37	156-60-5	
1,2-Dichloropropane	**<0.16**	ug/L	1.0	0.16	1		01/26/18 15:37	78-87-5	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		01/26/18 15:37	142-28-9	
2,2-Dichloropropane	**<0.19**	ug/L	1.0	0.19	1		01/26/18 15:37	594-20-7	
1,1-Dichloropropene	**<0.090**	ug/L	1.0	0.090	1		01/26/18 15:37	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	1.0	0.14	1		01/26/18 15:37	10061-01-5	
trans-1,3-Dichloropropene	**<0.12**	ug/L	1.0	0.12	1		01/26/18 15:37	10061-02-6	
Ethylbenzene	**<0.18**	ug/L	1.0	0.18	1		01/26/18 15:37	100-41-4	
Hexachloro-1,3-butadiene	**<0.18**	ug/L	1.0	0.18	1		01/26/18 15:37	87-68-3	
2-Hexanone	**<1.2**	ug/L	10.0	1.2	1		01/26/18 15:37	591-78-6	
Isopropylbenzene (Cumene)	**<0.070**	ug/L	1.0	0.070	1		01/26/18 15:37	98-82-8	
p-Isopropyltoluene	**<0.10**	ug/L	1.0	0.10	1		01/26/18 15:37	99-87-6	
Methylene chloride	**<0.15**	ug/L	1.0	0.15	1		01/26/18 15:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	10.0	0.42	1		01/26/18 15:37	108-10-1	
Methyl-tert-butyl ether	**<0.060**	ug/L	1.0	0.060	1		01/26/18 15:37	1634-04-4	
Naphthalene	**0.61J**	ug/L	10.0	0.50	1		01/26/18 15:37	91-20-3	
n-Propylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/26/18 15:37	103-65-1	
Styrene	**<0.12**	ug/L	1.0	0.12	1		01/26/18 15:37	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.15**	ug/L	1.0	0.15	1		01/26/18 15:37	630-20-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-10 **Lab ID: 60262738009** Collected: 01/24/18 09:15 Received: 01/25/18 10:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	0.15	1		01/26/18 15:37	79-34-5	
Tetrachloroethene	**<0.10**	ug/L	1.0	0.10	1		01/26/18 15:37	127-18-4	
Toluene	**0.24J**	ug/L	1.0	0.17	1		01/26/18 15:37	108-88-3	
1,2,3-Trichlorobenzene	**<0.12**	ug/L	1.0	0.12	1		01/26/18 15:37	87-61-6	
1,2,4-Trichlorobenzene	**<0.10**	ug/L	1.0	0.10	1		01/26/18 15:37	120-82-1	
1,1,1-Trichloroethane	**0.17J**	ug/L	1.0	0.11	1		01/26/18 15:37	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/26/18 15:37	79-00-5	
Trichloroethene	**<0.17**	ug/L	1.0	0.17	1		01/26/18 15:37	79-01-6	
Trichlorofluoromethane	**<0.34**	ug/L	1.0	0.34	1		01/26/18 15:37	75-69-4	
1,2,3-Trichloropropane	**<0.19**	ug/L	2.5	0.19	1		01/26/18 15:37	96-18-4	
1,2,4-Trimethylbenzene	**0.12J**	ug/L	1.0	0.090	1		01/26/18 15:37	95-63-6	
1,3,5-Trimethylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/26/18 15:37	108-67-8	
Vinyl chloride	**<0.13**	ug/L	1.0	0.13	1		01/26/18 15:37	75-01-4	
Xylene (Total)	**<0.42**	ug/L	3.0	0.42	1		01/26/18 15:37	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	80-119		1		01/26/18 15:37	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	80-117		1		01/26/18 15:37	17060-07-0	
Toluene-d8 (S)	92	%	80-115		1		01/26/18 15:37	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		01/26/18 15:37		
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260								
TPH-GRO	**<63.5**	ug/L	500	63.5	1		01/26/18 18:47		
Surrogates									
Toluene-d8 (S)	104	%	80-115		1		01/26/18 18:47	2037-26-5	
4-Bromofluorobenzene (S)	102	%	80-119		1		01/26/18 18:47	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	87-117		1		01/26/18 18:47	17060-07-0	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
pH at 25 Degrees C	**7.5**	Std. Units	0.10	0.10	1		01/31/18 11:51		H6
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**1.7**	mg/L	0.10	0.050	1		01/26/18 14:27		M1
9056 IC Anions	Analytical Method: EPA 9056								
Sulfate	**55.3**	mg/L	10.0	5.0	10		02/02/18 22:25	14808-79-8	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-12 **Lab ID: 60262738010** Collected: 01/24/18 15:20 Received: 01/25/18 10:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**<0.0070**	ug/L	0.010	0.0070	1	01/31/18 20:10	02/09/18 15:51	309-00-2	
alpha-BHC	**<0.0060**	ug/L	0.010	0.0060	1	01/31/18 20:10	02/09/18 15:51	319-84-6	
beta-BHC	**<0.010**	ug/L	0.010	0.010	1	01/31/18 20:10	02/09/18 15:51	319-85-7	
delta-BHC	**<0.0090**	ug/L	0.010	0.0090	1	01/31/18 20:10	02/09/18 15:51	319-86-8	
gamma-BHC (Lindane)	**<0.0080**	ug/L	0.010	0.0080	1	01/31/18 20:10	02/09/18 15:51	58-89-9	
Chlordane (Technical)	**<0.090**	ug/L	0.10	0.090	1	01/31/18 20:10	02/09/18 15:51	57-74-9	
alpha-Chlordane	**<0.024**	ug/L	0.10	0.024	1	01/31/18 20:10	02/09/18 15:51	5103-71-9	
gamma-Chlordane	**<0.034**	ug/L	0.10	0.034	1	01/31/18 20:10	02/09/18 15:51	5103-74-2	
4,4'-DDD	**<0.0050**	ug/L	0.010	0.0050	1	01/31/18 20:10	02/09/18 15:51	72-54-8	
4,4'-DDE	**<0.0070**	ug/L	0.010	0.0070	1	01/31/18 20:10	02/09/18 15:51	72-55-9	
4,4'-DDT	**<0.0070**	ug/L	0.010	0.0070	1	01/31/18 20:10	02/09/18 15:51	50-29-3	
Dieldrin	**0.023**	ug/L	0.010	0.0060	1	01/31/18 20:10	02/09/18 15:51	60-57-1	
Endosulfan I	**<0.021**	ug/L	0.10	0.021	1	01/31/18 20:10	02/09/18 15:51	959-98-8	
Endosulfan II	**<0.0090**	ug/L	0.010	0.0090	1	01/31/18 20:10	02/09/18 15:51	33213-65-9	
Endosulfan sulfate	**<0.0070**	ug/L	0.010	0.0070	1	01/31/18 20:10	02/09/18 15:51	1031-07-8	
Endrin	**<0.0070**	ug/L	0.010	0.0070	1	01/31/18 20:10	02/09/18 15:51	72-20-8	
Endrin aldehyde	**<0.029**	ug/L	0.10	0.029	1	01/31/18 20:10	02/09/18 15:51	7421-93-4	
Endrin ketone	**<0.025**	ug/L	0.10	0.025	1	01/31/18 20:10	02/09/18 15:51	53494-70-5	
Heptachlor	**<0.0050**	ug/L	0.010	0.0050	1	01/31/18 20:10	02/09/18 15:51	76-44-8	
Heptachlor epoxide	**<0.0070**	ug/L	0.010	0.0070	1	01/31/18 20:10	02/09/18 15:51	1024-57-3	
Methoxychlor	**<0.0060**	ug/L	0.010	0.0060	1	01/31/18 20:10	02/09/18 15:51	72-43-5	
Toxaphene	**<0.61**	ug/L	1.5	0.61	1	01/31/18 20:10	02/09/18 15:51	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	67	%.	54-127		1	01/31/18 20:10	02/09/18 15:51	877-09-8	
Decachlorobiphenyl (S)	45	%.	12-162		1	01/31/18 20:10	02/09/18 15:51	2051-24-3	
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510								
Stirophos (Tetrachlorvinphos)	**<0.072**	ug/L	0.10	0.072	1	01/31/18 20:10	02/06/18 17:19	22248-79-9	
Azinphos, methyl (Guthion)	**<0.093**	ug/L	0.10	0.093	1	01/31/18 20:10	02/06/18 17:19	86-50-0	
Bolstar	**<0.090**	ug/L	0.10	0.090	1	01/31/18 20:10	02/06/18 17:19	35400-43-2	
Chlorpyrifos	**<0.067**	ug/L	0.10	0.067	1	01/31/18 20:10	02/06/18 17:19	2921-88-2	
Coumaphos	**<0.092**	ug/L	0.10	0.092	1	01/31/18 20:10	02/06/18 17:19	56-72-4	
Diazinon	**<0.078**	ug/L	0.10	0.078	1	01/31/18 20:10	02/06/18 17:19	333-41-5	
Dichlorvos	**<0.073**	ug/L	0.10	0.073	1	01/31/18 20:10	02/06/18 17:19	62-73-7	
Dimethoate	**<0.083**	ug/L	0.10	0.083	1	01/31/18 20:10	02/06/18 17:19	60-51-5	
Disulfoton	**<0.071**	ug/L	0.10	0.071	1	01/31/18 20:10	02/06/18 17:19	298-04-4	
EPN (ENT)	**<0.087**	ug/L	0.10	0.087	1	01/31/18 20:10	02/06/18 17:19	2104-64-5	
Ethoprop	**<0.059**	ug/L	0.10	0.059	1	01/31/18 20:10	02/06/18 17:19	13194-48-4	
Fensulfothion	**<0.087**	ug/L	0.10	0.087	1	01/31/18 20:10	02/06/18 17:19	115-90-2	
Fenthion	**<0.088**	ug/L	0.10	0.088	1	01/31/18 20:10	02/06/18 17:19	55-38-9	
Malathion	**<0.086**	ug/L	0.10	0.086	1	01/31/18 20:10	02/06/18 17:19	121-75-5	
Methyl parathion	**<0.070**	ug/L	0.10	0.070	1	01/31/18 20:10	02/06/18 17:19	298-00-0	
Mevinphos	**<0.065**	ug/L	0.10	0.065	1	01/31/18 20:10	02/06/18 17:19	7786-34-7	
Parathion (Ethyl parathion)	**<0.060**	ug/L	0.10	0.060	1	01/31/18 20:10	02/06/18 17:19	56-38-2	
Phorate	**<0.064**	ug/L	0.10	0.064	1	01/31/18 20:10	02/06/18 17:19	298-02-2	
Ronnel	**<0.088**	ug/L	0.10	0.088	1	01/31/18 20:10	02/06/18 17:19	299-84-3	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-12 **Lab ID: 60262738010** Collected: 01/24/18 15:20 Received: 01/25/18 10:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510								
Sulfotep (Thiodiphosphoric Ac	**<0.061**	ug/L	0.10	0.061	1	01/31/18 20:10	02/06/18 17:19	3689-24-5	
Tokuthion (Prothiofos)	**<0.081**	ug/L	0.10	0.081	1	01/31/18 20:10	02/06/18 17:19	34643-46-4	
Trichloronate	**<0.087**	ug/L	0.10	0.087	1	01/31/18 20:10	02/06/18 17:19	327-98-0	
Total Demeton	**<0.083**	ug/L	0.10	0.083	1	01/31/18 20:10	02/06/18 17:19	8065-48-3	
Total Merphos	**<0.038**	ug/L	0.10	0.038	1	01/31/18 20:10	02/06/18 17:19	150-50-5	
Surrogates									
Triphenylphosphate (S)	98	%.	10-175		1	01/31/18 20:10	02/06/18 17:19	115-86-6	
Tributylphosphate (S)	123	%.	20-150		1	01/31/18 20:10	02/06/18 17:19	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**2.3**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 17:33	94-75-7	
Dalapon	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 17:33	75-99-0	
2,4-DB	**<0.34**	ug/L	0.50	0.34	1	01/29/18 21:00	02/01/18 17:33	94-82-6	
Dicamba	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 17:33	1918-00-9	
Dichloroprop	**4.7**	ug/L	1.0	0.58	2	01/29/18 21:00	02/01/18 20:02	15165-67-0	
Dinoseb	**<0.50**	ug/L	0.50	0.50	1	01/29/18 21:00	02/01/18 17:33	88-85-7	
MCPA	**<20.0**	ug/L	20.0	20.0	1	01/29/18 21:00	02/01/18 17:33	94-74-6	
MCPP	**<20.0**	ug/L	20.0	20.0	1	01/29/18 21:00	02/01/18 17:33	7085-19-0	
2,4,5-T	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 17:33	93-76-5	
2,4,5-TP (Silvex)	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 17:33	93-72-1	
Surrogates									
2,4-DCAA (S)	118	%.	47-166		1	01/29/18 21:00	02/01/18 17:33	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**144**	ug/L	10.0	4.2	1	01/30/18 11:15	02/01/18 15:28	7440-38-2	
Barium	**4980**	ug/L	5.0	0.91	1	01/30/18 11:15	02/01/18 15:28	7440-39-3	
Cadmium	**32.7**	ug/L	5.0	0.64	1	01/30/18 11:15	02/01/18 15:28	7440-43-9	
Chromium	**405**	ug/L	5.0	0.72	1	01/30/18 11:15	02/01/18 15:28	7440-47-3	
Lead	**1550**	ug/L	5.0	2.4	1	01/30/18 11:15	02/01/18 15:28	7439-92-1	
Selenium	**6.0J**	ug/L	15.0	3.4	1	01/30/18 11:15	02/01/18 15:28	7782-49-2	
Silver	**8.4**	ug/L	7.0	1.9	1	01/30/18 11:15	02/01/18 15:28	7440-22-4	
6010 MET ICP, Dissolved (LF)	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic, Dissolved	**<4.2**	ug/L	10.0	4.2	1	01/30/18 10:10	01/31/18 17:34	7440-38-2	
Barium, Dissolved	**115**	ug/L	5.0	0.91	1	01/30/18 10:10	01/31/18 17:34	7440-39-3	
Cadmium, Dissolved	**0.65J**	ug/L	5.0	0.64	1	01/30/18 10:10	01/31/18 17:34	7440-43-9	
Chromium, Dissolved	**3.0J**	ug/L	5.0	0.72	1	01/30/18 10:10	01/31/18 17:34	7440-47-3	
Lead, Dissolved	**<2.4**	ug/L	5.0	2.4	1	01/30/18 10:10	01/31/18 17:34	7439-92-1	
Selenium, Dissolved	**5.5J**	ug/L	15.0	3.4	1	01/30/18 10:10	01/31/18 17:34	7782-49-2	
Silver, Dissolved	**<1.9**	ug/L	7.0	1.9	1	01/30/18 10:10	01/31/18 17:34	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**2.7**	ug/L	0.20	0.046	1	02/08/18 11:51	02/08/18 15:31	7439-97-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-12 **Lab ID: 60262738010** Collected: 01/24/18 15:20 Received: 01/25/18 10:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury, Dissolved (LF)	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.046**	ug/L	0.20	0.046	1	02/08/18 15:58	02/09/18 11:22	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**<0.35**	ug/L	9.6	0.35	1	01/29/18 15:00	01/30/18 16:49	83-32-9	1e
Acenaphthylene	**<0.37**	ug/L	9.6	0.37	1	01/29/18 15:00	01/30/18 16:49	208-96-8	1e
Anthracene	**<0.29**	ug/L	9.6	0.29	1	01/29/18 15:00	01/30/18 16:49	120-12-7	1e
Benzo(a)anthracene	**<0.28**	ug/L	9.6	0.28	1	01/29/18 15:00	01/30/18 16:49	56-55-3	1e
Benzo(a)pyrene	**<0.35**	ug/L	9.6	0.35	1	01/29/18 15:00	01/30/18 16:49	50-32-8	1e
Benzo(b)fluoranthene	**<0.34**	ug/L	9.6	0.34	1	01/29/18 15:00	01/30/18 16:49	205-99-2	1e
Benzo(g,h,i)perylene	**<0.38**	ug/L	9.6	0.38	1	01/29/18 15:00	01/30/18 16:49	191-24-2	1e
Benzo(k)fluoranthene	**<0.40**	ug/L	9.6	0.40	1	01/29/18 15:00	01/30/18 16:49	207-08-9	1e
Benzoic acid	**<2.4**	ug/L	48.1	2.4	1	01/29/18 15:00	01/30/18 16:49	65-85-0	1e
Benzyl alcohol	**<0.34**	ug/L	19.2	0.34	1	01/29/18 15:00	01/30/18 16:49	100-51-6	1e
4-Bromophenylphenyl ether	**<0.37**	ug/L	9.6	0.37	1	01/29/18 15:00	01/30/18 16:49	101-55-3	1e
Butylbenzylphthalate	**<0.38**	ug/L	9.6	0.38	1	01/29/18 15:00	01/30/18 16:49	85-68-7	1e
Carbazole	**<0.34**	ug/L	9.6	0.34	1	01/29/18 15:00	01/30/18 16:49	86-74-8	1e
4-Chloro-3-methylphenol	**<0.24**	ug/L	19.2	0.24	1	01/29/18 15:00	01/30/18 16:49	59-50-7	1e
4-Chloroaniline	**<0.50**	ug/L	19.2	0.50	1	01/29/18 15:00	01/30/18 16:49	106-47-8	1e
bis(2-Chloroethoxy)methane	**<4.8**	ug/L	9.6	4.8	1	01/29/18 15:00	01/30/18 16:49	111-91-1	1e
bis(2-Chloroethyl) ether	**<0.28**	ug/L	9.6	0.28	1	01/29/18 15:00	01/30/18 16:49	111-44-4	1e
bis(2-Chloroisopropyl) ether	**<0.28**	ug/L	9.6	0.28	1	01/29/18 15:00	01/30/18 16:49	39638-32-9	1e
2-Chloronaphthalene	**<0.34**	ug/L	9.6	0.34	1	01/29/18 15:00	01/30/18 16:49	91-58-7	1e
2-Chlorophenol	**<0.29**	ug/L	9.6	0.29	1	01/29/18 15:00	01/30/18 16:49	95-57-8	1e
4-Chlorophenylphenyl ether	**<0.29**	ug/L	9.6	0.29	1	01/29/18 15:00	01/30/18 16:49	7005-72-3	1e
Chrysene	**<0.35**	ug/L	9.6	0.35	1	01/29/18 15:00	01/30/18 16:49	218-01-9	1e
Dibenz(a,h)anthracene	**<0.43**	ug/L	9.6	0.43	1	01/29/18 15:00	01/30/18 16:49	53-70-3	1e
Dibenzofuran	**<0.38**	ug/L	9.6	0.38	1	01/29/18 15:00	01/30/18 16:49	132-64-9	1e
1,2-Dichlorobenzene	**<0.28**	ug/L	9.6	0.28	1	01/29/18 15:00	01/30/18 16:49	95-50-1	1e
1,3-Dichlorobenzene	**<0.52**	ug/L	9.6	0.52	1	01/29/18 15:00	01/30/18 16:49	541-73-1	1e
1,4-Dichlorobenzene	**<0.39**	ug/L	9.6	0.39	1	01/29/18 15:00	01/30/18 16:49	106-46-7	1e
3,3'-Dichlorobenzidine	**<0.38**	ug/L	19.2	0.38	1	01/29/18 15:00	01/30/18 16:49	91-94-1	1e
2,4-Dichlorophenol	**<0.50**	ug/L	9.6	0.50	1	01/29/18 15:00	01/30/18 16:49	120-83-2	1e
Diethylphthalate	**<0.43**	ug/L	9.6	0.43	1	01/29/18 15:00	01/30/18 16:49	84-66-2	1e
2,4-Dimethylphenol	**<0.58**	ug/L	9.6	0.58	1	01/29/18 15:00	01/30/18 16:49	105-67-9	1e
Dimethylphthalate	**<0.34**	ug/L	9.6	0.34	1	01/29/18 15:00	01/30/18 16:49	131-11-3	1e
Di-n-butylphthalate	**<0.38**	ug/L	9.6	0.38	1	01/29/18 15:00	01/30/18 16:49	84-74-2	1e
4,6-Dinitro-2-methylphenol	**<0.53**	ug/L	48.1	0.53	1	01/29/18 15:00	01/30/18 16:49	534-52-1	1e
2,4-Dinitrophenol	**<8.1**	ug/L	48.1	8.1	1	01/29/18 15:00	01/30/18 16:49	51-28-5	1e
2,4-Dinitrotoluene	**<0.32**	ug/L	9.6	0.32	1	01/29/18 15:00	01/30/18 16:49	121-14-2	1e
2,6-Dinitrotoluene	**<0.27**	ug/L	9.6	0.27	1	01/29/18 15:00	01/30/18 16:49	606-20-2	1e
Di-n-octylphthalate	**<0.48**	ug/L	9.6	0.48	1	01/29/18 15:00	01/30/18 16:49	117-84-0	1e
bis(2-Ethylhexyl)phthalate	**<0.60**	ug/L	9.6	0.60	1	01/29/18 15:00	01/30/18 16:49	117-81-7	1e
Fluoranthene	**<0.36**	ug/L	9.6	0.36	1	01/29/18 15:00	01/30/18 16:49	206-44-0	1e
Fluorene	**<0.33**	ug/L	9.6	0.33	1	01/29/18 15:00	01/30/18 16:49	86-73-7	1e
Hexachloro-1,3-butadiene	**<0.37**	ug/L	9.6	0.37	1	01/29/18 15:00	01/30/18 16:49	87-68-3	1e
Hexachlorobenzene	**<0.29**	ug/L	9.6	0.29	1	01/29/18 15:00	01/30/18 16:49	118-74-1	1e

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-12 **Lab ID: 60262738010** Collected: 01/24/18 15:20 Received: 01/25/18 10:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Hexachlorocyclopentadiene	**<0.34**	ug/L	9.6	0.34	1	01/29/18 15:00	01/30/18 16:49	77-47-4	1e
Hexachloroethane	**<0.28**	ug/L	9.6	0.28	1	01/29/18 15:00	01/30/18 16:49	67-72-1	1e
Indeno(1,2,3-cd)pyrene	**<0.31**	ug/L	9.6	0.31	1	01/29/18 15:00	01/30/18 16:49	193-39-5	1e
Isophorone	**<0.27**	ug/L	9.6	0.27	1	01/29/18 15:00	01/30/18 16:49	78-59-1	1e
2-Methylnaphthalene	**<0.25**	ug/L	9.6	0.25	1	01/29/18 15:00	01/30/18 16:49	91-57-6	1e
2-Methylphenol(o-Cresol)	**<0.27**	ug/L	9.6	0.27	1	01/29/18 15:00	01/30/18 16:49	95-48-7	1e
3&4-Methylphenol(m&p Cresol)	**<4.8**	ug/L	9.6	4.8	1	01/29/18 15:00	01/30/18 16:49		1e
Naphthalene	**<0.35**	ug/L	9.6	0.35	1	01/29/18 15:00	01/30/18 16:49	91-20-3	1e
2-Nitroaniline	**<0.40**	ug/L	48.1	0.40	1	01/29/18 15:00	01/30/18 16:49	88-74-4	1e
3-Nitroaniline	**<0.34**	ug/L	48.1	0.34	1	01/29/18 15:00	01/30/18 16:49	99-09-2	1e
4-Nitroaniline	**<0.34**	ug/L	48.1	0.34	1	01/29/18 15:00	01/30/18 16:49	100-01-6	1e
Nitrobenzene	**<0.29**	ug/L	9.6	0.29	1	01/29/18 15:00	01/30/18 16:49	98-95-3	1e
2-Nitrophenol	**<0.27**	ug/L	9.6	0.27	1	01/29/18 15:00	01/30/18 16:49	88-75-5	1e
4-Nitrophenol	**<0.30**	ug/L	48.1	0.30	1	01/29/18 15:00	01/30/18 16:49	100-02-7	1e
N-Nitroso-di-n-propylamine	**<0.26**	ug/L	9.6	0.26	1	01/29/18 15:00	01/30/18 16:49	621-64-7	1e
N-Nitrosodiphenylamine	**<0.38**	ug/L	9.6	0.38	1	01/29/18 15:00	01/30/18 16:49	86-30-6	1e
Pentachlorophenol	**<0.30**	ug/L	48.1	0.30	1	01/29/18 15:00	01/30/18 16:49	87-86-5	1e
Phenanthrene	**<0.33**	ug/L	9.6	0.33	1	01/29/18 15:00	01/30/18 16:49	85-01-8	1e
Phenol	**<4.8**	ug/L	9.6	4.8	1	01/29/18 15:00	01/30/18 16:49	108-95-2	1e
Pyrene	**<0.27**	ug/L	9.6	0.27	1	01/29/18 15:00	01/30/18 16:49	129-00-0	1e
Pyridine	**<0.30**	ug/L	9.6	0.30	1	01/29/18 15:00	01/30/18 16:49	110-86-1	1e
1,2,4-Trichlorobenzene	**<0.32**	ug/L	9.6	0.32	1	01/29/18 15:00	01/30/18 16:49	120-82-1	1e
2,4,5-Trichlorophenol	**<0.32**	ug/L	48.1	0.32	1	01/29/18 15:00	01/30/18 16:49	95-95-4	1e
2,4,6-Trichlorophenol	**<0.38**	ug/L	9.6	0.38	1	01/29/18 15:00	01/30/18 16:49	88-06-2	1e
Surrogates									
Nitrobenzene-d5 (S)	73	%	33-99		1	01/29/18 15:00	01/30/18 16:49	4165-60-0	
2-Fluorobiphenyl (S)	76	%	30-103		1	01/29/18 15:00	01/30/18 16:49	321-60-8	
Terphenyl-d14 (S)	68	%	38-114		1	01/29/18 15:00	01/30/18 16:49	1718-51-0	
Phenol-d6 (S)	48	%	10-56		1	01/29/18 15:00	01/30/18 16:49	13127-88-3	
2-Fluorophenol (S)	60	%	10-68		1	01/29/18 15:00	01/30/18 16:49	367-12-4	
2,4,6-Tribromophenol (S)	83	%	21-124		1	01/29/18 15:00	01/30/18 16:49	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C								
TPH-ORO	**5.9**	mg/L	0.91	0.91	1	01/26/18 15:00	01/31/18 02:19		1e
TPH-DRO	**2.4**	mg/L	0.91	0.91	1	01/26/18 15:00	01/31/18 02:19		1e
Surrogates									
Nitrobenzene-d5 (S)	49	%	33-99		1	01/26/18 15:00	01/31/18 02:19	4165-60-0	
2-Fluorobiphenyl (S)	54	%	30-103		1	01/26/18 15:00	01/31/18 02:19	321-60-8	
Terphenyl-d14 (S)	59	%	38-114		1	01/26/18 15:00	01/31/18 02:19	1718-51-0	
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**<1.9**	ug/L	10.0	1.9	1		01/26/18 15:50	67-64-1	
Benzene	**0.15J**	ug/L	1.0	0.060	1		01/26/18 15:50	71-43-2	
Bromobenzene	**<0.10**	ug/L	1.0	0.10	1		01/26/18 15:50	108-86-1	
Bromochloromethane	**<0.15**	ug/L	1.0	0.15	1		01/26/18 15:50	74-97-5	
Bromodichloromethane	**<0.19**	ug/L	1.0	0.19	1		01/26/18 15:50	75-27-4	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-12 **Lab ID: 60262738010** Collected: 01/24/18 15:20 Received: 01/25/18 10:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Bromoform	**<0.070**	ug/L	1.0	0.070	1		01/26/18 15:50	75-25-2	
Bromomethane	**<0.16**	ug/L	5.0	0.16	1		01/26/18 15:50	74-83-9	
2-Butanone (MEK)	**<0.59**	ug/L	10.0	0.59	1		01/26/18 15:50	78-93-3	
n-Butylbenzene	**0.19J**	ug/L	1.0	0.10	1		01/26/18 15:50	104-51-8	
sec-Butylbenzene	**<0.050**	ug/L	1.0	0.050	1		01/26/18 15:50	135-98-8	
tert-Butylbenzene	**<0.34**	ug/L	1.0	0.34	1		01/26/18 15:50	98-06-6	
Carbon disulfide	**0.12J**	ug/L	5.0	0.12	1		01/26/18 15:50	75-15-0	
Carbon tetrachloride	**<0.18**	ug/L	1.0	0.18	1		01/26/18 15:50	56-23-5	
Chlorobenzene	**<0.21**	ug/L	1.0	0.21	1		01/26/18 15:50	108-90-7	
Chloroethane	**<0.15**	ug/L	1.0	0.15	1		01/26/18 15:50	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		01/26/18 15:50	67-66-3	
Chloromethane	**<0.080**	ug/L	1.0	0.080	1		01/26/18 15:50	74-87-3	
2-Chlorotoluene	**<0.12**	ug/L	1.0	0.12	1		01/26/18 15:50	95-49-8	
4-Chlorotoluene	**<0.14**	ug/L	1.0	0.14	1		01/26/18 15:50	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.59**	ug/L	2.5	0.59	1		01/26/18 15:50	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		01/26/18 15:50	124-48-1	
1,2-Dibromoethane (EDB)	**<0.17**	ug/L	1.0	0.17	1		01/26/18 15:50	106-93-4	
Dibromomethane	**<0.18**	ug/L	1.0	0.18	1		01/26/18 15:50	74-95-3	
1,2-Dichlorobenzene	**<0.050**	ug/L	1.0	0.050	1		01/26/18 15:50	95-50-1	
1,3-Dichlorobenzene	**<0.070**	ug/L	1.0	0.070	1		01/26/18 15:50	541-73-1	
1,4-Dichlorobenzene	**<0.060**	ug/L	1.0	0.060	1		01/26/18 15:50	106-46-7	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	0.21	1		01/26/18 15:50	75-71-8	
1,1-Dichloroethane	**<0.050**	ug/L	1.0	0.050	1		01/26/18 15:50	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		01/26/18 15:50	107-06-2	
1,2-Dichloroethene (Total)	**<0.28**	ug/L	1.0	0.28	1		01/26/18 15:50	540-59-0	
1,1-Dichloroethene	**<0.20**	ug/L	1.0	0.20	1		01/26/18 15:50	75-35-4	
cis-1,2-Dichloroethene	**<0.080**	ug/L	1.0	0.080	1		01/26/18 15:50	156-59-2	
trans-1,2-Dichloroethene	**<0.20**	ug/L	1.0	0.20	1		01/26/18 15:50	156-60-5	
1,2-Dichloropropane	**<0.16**	ug/L	1.0	0.16	1		01/26/18 15:50	78-87-5	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		01/26/18 15:50	142-28-9	
2,2-Dichloropropane	**<0.19**	ug/L	1.0	0.19	1		01/26/18 15:50	594-20-7	
1,1-Dichloropropene	**<0.090**	ug/L	1.0	0.090	1		01/26/18 15:50	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	1.0	0.14	1		01/26/18 15:50	10061-01-5	
trans-1,3-Dichloropropene	**<0.12**	ug/L	1.0	0.12	1		01/26/18 15:50	10061-02-6	
Ethylbenzene	**0.26J**	ug/L	1.0	0.18	1		01/26/18 15:50	100-41-4	
Hexachloro-1,3-butadiene	**<0.18**	ug/L	1.0	0.18	1		01/26/18 15:50	87-68-3	
2-Hexanone	**<1.2**	ug/L	10.0	1.2	1		01/26/18 15:50	591-78-6	
Isopropylbenzene (Cumene)	**<0.070**	ug/L	1.0	0.070	1		01/26/18 15:50	98-82-8	
p-Isopropyltoluene	**<0.10**	ug/L	1.0	0.10	1		01/26/18 15:50	99-87-6	
Methylene chloride	**<0.15**	ug/L	1.0	0.15	1		01/26/18 15:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	10.0	0.42	1		01/26/18 15:50	108-10-1	
Methyl-tert-butyl ether	**<0.060**	ug/L	1.0	0.060	1		01/26/18 15:50	1634-04-4	
Naphthalene	**0.51J**	ug/L	10.0	0.50	1		01/26/18 15:50	91-20-3	
n-Propylbenzene	**0.20J**	ug/L	1.0	0.10	1		01/26/18 15:50	103-65-1	
Styrene	**<0.12**	ug/L	1.0	0.12	1		01/26/18 15:50	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.15**	ug/L	1.0	0.15	1		01/26/18 15:50	630-20-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-12 **Lab ID: 60262738010** Collected: 01/24/18 15:20 Received: 01/25/18 10:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	0.15	1		01/26/18 15:50	79-34-5	
Tetrachloroethene	**<0.10**	ug/L	1.0	0.10	1		01/26/18 15:50	127-18-4	
Toluene	**0.30J**	ug/L	1.0	0.17	1		01/26/18 15:50	108-88-3	
1,2,3-Trichlorobenzene	**<0.12**	ug/L	1.0	0.12	1		01/26/18 15:50	87-61-6	
1,2,4-Trichlorobenzene	**<0.10**	ug/L	1.0	0.10	1		01/26/18 15:50	120-82-1	
1,1,1-Trichloroethane	**<0.11**	ug/L	1.0	0.11	1		01/26/18 15:50	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/26/18 15:50	79-00-5	
Trichloroethene	**<0.17**	ug/L	1.0	0.17	1		01/26/18 15:50	79-01-6	
Trichlorofluoromethane	**<0.34**	ug/L	1.0	0.34	1		01/26/18 15:50	75-69-4	
1,2,3-Trichloropropane	**<0.19**	ug/L	2.5	0.19	1		01/26/18 15:50	96-18-4	
1,2,4-Trimethylbenzene	**2.8**	ug/L	1.0	0.090	1		01/26/18 15:50	95-63-6	
1,3,5-Trimethylbenzene	**1.2**	ug/L	1.0	0.10	1		01/26/18 15:50	108-67-8	
Vinyl chloride	**<0.13**	ug/L	1.0	0.13	1		01/26/18 15:50	75-01-4	
Xylene (Total)	**1.7J**	ug/L	3.0	0.42	1		01/26/18 15:50	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	80-119		1		01/26/18 15:50	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	80-117		1		01/26/18 15:50	17060-07-0	
Toluene-d8 (S)	91	%	80-115		1		01/26/18 15:50	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		01/26/18 15:50		
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260								
TPH-GRO	**<63.5**	ug/L	500	63.5	1		01/26/18 19:02		
Surrogates									
Toluene-d8 (S)	104	%	80-115		1		01/26/18 19:02	2037-26-5	
4-Bromofluorobenzene (S)	103	%	80-119		1		01/26/18 19:02	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	87-117		1		01/26/18 19:02	17060-07-0	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
pH at 25 Degrees C	**7.2**	Std. Units	0.10	0.10	1		02/02/18 11:31		H6
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**3.7**	mg/L	0.20	0.10	2		01/26/18 14:21		
9056 IC Anions	Analytical Method: EPA 9056								
Sulfate	**139**	mg/L	10.0	5.0	10		02/02/18 22:39	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-13 **Lab ID: 60262738011** Collected: 01/24/18 16:30 Received: 01/25/18 10:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	**<0.0070**	ug/L	0.010	0.0070	1	01/31/18 20:10	02/09/18 16:06	309-00-2	
alpha-BHC	**<0.0060**	ug/L	0.010	0.0060	1	01/31/18 20:10	02/09/18 16:06	319-84-6	
beta-BHC	**<0.010**	ug/L	0.010	0.010	1	01/31/18 20:10	02/09/18 16:06	319-85-7	
delta-BHC	**<0.0090**	ug/L	0.010	0.0090	1	01/31/18 20:10	02/09/18 16:06	319-86-8	
gamma-BHC (Lindane)	**<0.0080**	ug/L	0.010	0.0080	1	01/31/18 20:10	02/09/18 16:06	58-89-9	
Chlordane (Technical)	**<0.090**	ug/L	0.10	0.090	1	01/31/18 20:10	02/09/18 16:06	57-74-9	
alpha-Chlordane	**<0.024**	ug/L	0.10	0.024	1	01/31/18 20:10	02/09/18 16:06	5103-71-9	
gamma-Chlordane	**<0.034**	ug/L	0.10	0.034	1	01/31/18 20:10	02/09/18 16:06	5103-74-2	
4,4'-DDD	**<0.0050**	ug/L	0.010	0.0050	1	01/31/18 20:10	02/09/18 16:06	72-54-8	
4,4'-DDE	**<0.0070**	ug/L	0.010	0.0070	1	01/31/18 20:10	02/09/18 16:06	72-55-9	
4,4'-DDT	**<0.0070**	ug/L	0.010	0.0070	1	01/31/18 20:10	02/09/18 16:06	50-29-3	
Dieldrin	**<0.0060**	ug/L	0.010	0.0060	1	01/31/18 20:10	02/09/18 16:06	60-57-1	
Endosulfan I	**<0.021**	ug/L	0.10	0.021	1	01/31/18 20:10	02/09/18 16:06	959-98-8	
Endosulfan II	**<0.0090**	ug/L	0.010	0.0090	1	01/31/18 20:10	02/09/18 16:06	33213-65-9	
Endosulfan sulfate	**<0.0070**	ug/L	0.010	0.0070	1	01/31/18 20:10	02/09/18 16:06	1031-07-8	
Endrin	**<0.0070**	ug/L	0.010	0.0070	1	01/31/18 20:10	02/09/18 16:06	72-20-8	
Endrin aldehyde	**<0.029**	ug/L	0.10	0.029	1	01/31/18 20:10	02/09/18 16:06	7421-93-4	
Endrin ketone	**<0.025**	ug/L	0.10	0.025	1	01/31/18 20:10	02/09/18 16:06	53494-70-5	
Heptachlor	**<0.0050**	ug/L	0.010	0.0050	1	01/31/18 20:10	02/09/18 16:06	76-44-8	
Heptachlor epoxide	**<0.0070**	ug/L	0.010	0.0070	1	01/31/18 20:10	02/09/18 16:06	1024-57-3	
Methoxychlor	**<0.0060**	ug/L	0.010	0.0060	1	01/31/18 20:10	02/09/18 16:06	72-43-5	
Toxaphene	**<0.61**	ug/L	1.5	0.61	1	01/31/18 20:10	02/09/18 16:06	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	52	%.	54-127		1	01/31/18 20:10	02/09/18 16:06	877-09-8	S1
Decachlorobiphenyl (S)	35	%.	12-162		1	01/31/18 20:10	02/09/18 16:06	2051-24-3	
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510								
Stirophos (Tetrachlorvinphos)	**<0.072**	ug/L	0.10	0.072	1	01/31/18 20:10	02/05/18 20:47	22248-79-9	
Azinphos, methyl (Guthion)	**<0.093**	ug/L	0.10	0.093	1	01/31/18 20:10	02/05/18 20:47	86-50-0	
Bolstar	**<0.090**	ug/L	0.10	0.090	1	01/31/18 20:10	02/05/18 20:47	35400-43-2	
Chlorpyrifos	**<0.067**	ug/L	0.10	0.067	1	01/31/18 20:10	02/05/18 20:47	2921-88-2	
Coumaphos	**<0.092**	ug/L	0.10	0.092	1	01/31/18 20:10	02/05/18 20:47	56-72-4	
Diazinon	**<0.078**	ug/L	0.10	0.078	1	01/31/18 20:10	02/05/18 20:47	333-41-5	
Dichlorvos	**<0.073**	ug/L	0.10	0.073	1	01/31/18 20:10	02/05/18 20:47	62-73-7	
Dimethoate	**<0.083**	ug/L	0.10	0.083	1	01/31/18 20:10	02/05/18 20:47	60-51-5	
Disulfoton	**<0.071**	ug/L	0.10	0.071	1	01/31/18 20:10	02/05/18 20:47	298-04-4	
EPN (ENT)	**<0.087**	ug/L	0.10	0.087	1	01/31/18 20:10	02/05/18 20:47	2104-64-5	
Ethoprop	**<0.059**	ug/L	0.10	0.059	1	01/31/18 20:10	02/05/18 20:47	13194-48-4	
Fensulfothion	**<0.087**	ug/L	0.10	0.087	1	01/31/18 20:10	02/05/18 20:47	115-90-2	
Fenthion	**<0.088**	ug/L	0.10	0.088	1	01/31/18 20:10	02/05/18 20:47	55-38-9	
Malathion	**<0.086**	ug/L	0.10	0.086	1	01/31/18 20:10	02/05/18 20:47	121-75-5	
Methyl parathion	**<0.070**	ug/L	0.10	0.070	1	01/31/18 20:10	02/05/18 20:47	298-00-0	
Mevinphos	**<0.065**	ug/L	0.10	0.065	1	01/31/18 20:10	02/05/18 20:47	7786-34-7	
Parathion (Ethyl parathion)	**<0.060**	ug/L	0.10	0.060	1	01/31/18 20:10	02/05/18 20:47	56-38-2	
Phorate	**<0.064**	ug/L	0.10	0.064	1	01/31/18 20:10	02/05/18 20:47	298-02-2	
Ronnel	**<0.088**	ug/L	0.10	0.088	1	01/31/18 20:10	02/05/18 20:47	299-84-3	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-13 **Lab ID: 60262738011** Collected: 01/24/18 16:30 Received: 01/25/18 10:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510								
Sulfotep (Thiodiphosphoric Ac	**<0.061**	ug/L	0.10	0.061	1	01/31/18 20:10	02/05/18 20:47	3689-24-5	
Tokuthion (Prothiofos)	**<0.081**	ug/L	0.10	0.081	1	01/31/18 20:10	02/05/18 20:47	34643-46-4	
Trichloronate	**<0.087**	ug/L	0.10	0.087	1	01/31/18 20:10	02/05/18 20:47	327-98-0	
Total Demeton	**<0.083**	ug/L	0.10	0.083	1	01/31/18 20:10	02/05/18 20:47	8065-48-3	
Total Merphos	**<0.038**	ug/L	0.10	0.038	1	01/31/18 20:10	02/05/18 20:47	150-50-5	
Surrogates									
Triphenylphosphate (S)	83	%.	10-175		1	01/31/18 20:10	02/05/18 20:47	115-86-6	
Tributylphosphate (S)	97	%.	20-150		1	01/31/18 20:10	02/05/18 20:47	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151								
2,4-D	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 17:58	94-75-7	
Dalapon	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 17:58	75-99-0	
2,4-DB	**<0.34**	ug/L	0.50	0.34	1	01/29/18 21:00	02/01/18 17:58	94-82-6	
Dicamba	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 17:58	1918-00-9	
Dichloroprop	**<0.29**	ug/L	0.50	0.29	1	01/29/18 21:00	02/01/18 17:58	15165-67-0	
Dinoseb	**<0.50**	ug/L	0.50	0.50	1	01/29/18 21:00	02/01/18 17:58	88-85-7	
MCPA	**<20.0**	ug/L	20.0	20.0	1	01/29/18 21:00	02/01/18 17:58	94-74-6	
MCPP	**<20.0**	ug/L	20.0	20.0	1	01/29/18 21:00	02/01/18 17:58	7085-19-0	
2,4,5-T	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 17:58	93-76-5	
2,4,5-TP (Silvex)	**<0.25**	ug/L	0.50	0.25	1	01/29/18 21:00	02/01/18 17:58	93-72-1	
Surrogates									
2,4-DCAA (S)	133	%.	47-166		1	01/29/18 21:00	02/01/18 17:58	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**281**	ug/L	10.0	4.2	1	01/30/18 11:15	02/01/18 15:31	7440-38-2	
Barium	**10200**	ug/L	5.0	0.91	1	01/30/18 11:15	02/01/18 15:31	7440-39-3	
Cadmium	**13.3**	ug/L	5.0	0.64	1	01/30/18 11:15	02/01/18 15:31	7440-43-9	
Chromium	**293**	ug/L	5.0	0.72	1	01/30/18 11:15	02/01/18 15:31	7440-47-3	
Lead	**2230**	ug/L	5.0	2.4	1	01/30/18 11:15	02/01/18 15:31	7439-92-1	
Selenium	**8.7J**	ug/L	15.0	3.4	1	01/30/18 11:15	02/01/18 15:31	7782-49-2	
Silver	**<1.9**	ug/L	7.0	1.9	1	01/30/18 11:15	02/01/18 15:31	7440-22-4	
6010 MET ICP, Dissolved (LF)	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic, Dissolved	**<4.2**	ug/L	10.0	4.2	1	01/30/18 10:10	01/31/18 17:36	7440-38-2	
Barium, Dissolved	**232**	ug/L	5.0	0.91	1	01/30/18 10:10	01/31/18 17:36	7440-39-3	
Cadmium, Dissolved	**<0.64**	ug/L	5.0	0.64	1	01/30/18 10:10	01/31/18 17:36	7440-43-9	
Chromium, Dissolved	**<0.72**	ug/L	5.0	0.72	1	01/30/18 10:10	01/31/18 17:36	7440-47-3	
Lead, Dissolved	**<2.4**	ug/L	5.0	2.4	1	01/30/18 10:10	01/31/18 17:36	7439-92-1	
Selenium, Dissolved	**3.8J**	ug/L	15.0	3.4	1	01/30/18 10:10	01/31/18 17:36	7782-49-2	
Silver, Dissolved	**<1.9**	ug/L	7.0	1.9	1	01/30/18 10:10	01/31/18 17:36	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**2.7**	ug/L	0.20	0.046	1	02/08/18 11:51	02/08/18 15:33	7439-97-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-13 **Lab ID: 60262738011** Collected: 01/24/18 16:30 Received: 01/25/18 10:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury, Dissolved (LF)	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	**<0.046**	ug/L	0.20	0.046	1	02/08/18 15:58	02/09/18 11:25	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**<0.35**	ug/L	9.6	0.35	1	01/29/18 15:00	01/30/18 17:11	83-32-9	1e
Acenaphthylene	**<0.37**	ug/L	9.6	0.37	1	01/29/18 15:00	01/30/18 17:11	208-96-8	1e
Anthracene	**<0.29**	ug/L	9.6	0.29	1	01/29/18 15:00	01/30/18 17:11	120-12-7	1e
Benzo(a)anthracene	**<0.28**	ug/L	9.6	0.28	1	01/29/18 15:00	01/30/18 17:11	56-55-3	1e
Benzo(a)pyrene	**<0.35**	ug/L	9.6	0.35	1	01/29/18 15:00	01/30/18 17:11	50-32-8	1e
Benzo(b)fluoranthene	**<0.34**	ug/L	9.6	0.34	1	01/29/18 15:00	01/30/18 17:11	205-99-2	1e
Benzo(g,h,i)perylene	**<0.38**	ug/L	9.6	0.38	1	01/29/18 15:00	01/30/18 17:11	191-24-2	1e
Benzo(k)fluoranthene	**<0.40**	ug/L	9.6	0.40	1	01/29/18 15:00	01/30/18 17:11	207-08-9	1e
Benzoic acid	**<2.4**	ug/L	48.1	2.4	1	01/29/18 15:00	01/30/18 17:11	65-85-0	1e
Benzyl alcohol	**<0.34**	ug/L	19.2	0.34	1	01/29/18 15:00	01/30/18 17:11	100-51-6	1e
4-Bromophenylphenyl ether	**<0.37**	ug/L	9.6	0.37	1	01/29/18 15:00	01/30/18 17:11	101-55-3	1e
Butylbenzylphthalate	**<0.38**	ug/L	9.6	0.38	1	01/29/18 15:00	01/30/18 17:11	85-68-7	1e
Carbazole	**<0.34**	ug/L	9.6	0.34	1	01/29/18 15:00	01/30/18 17:11	86-74-8	1e
4-Chloro-3-methylphenol	**<0.24**	ug/L	19.2	0.24	1	01/29/18 15:00	01/30/18 17:11	59-50-7	1e
4-Chloroaniline	**<0.50**	ug/L	19.2	0.50	1	01/29/18 15:00	01/30/18 17:11	106-47-8	1e
bis(2-Chloroethoxy)methane	**<4.8**	ug/L	9.6	4.8	1	01/29/18 15:00	01/30/18 17:11	111-91-1	1e
bis(2-Chloroethyl) ether	**<0.28**	ug/L	9.6	0.28	1	01/29/18 15:00	01/30/18 17:11	111-44-4	1e
bis(2-Chloroisopropyl) ether	**<0.28**	ug/L	9.6	0.28	1	01/29/18 15:00	01/30/18 17:11	39638-32-9	1e
2-Chloronaphthalene	**<0.34**	ug/L	9.6	0.34	1	01/29/18 15:00	01/30/18 17:11	91-58-7	1e
2-Chlorophenol	**<0.29**	ug/L	9.6	0.29	1	01/29/18 15:00	01/30/18 17:11	95-57-8	1e
4-Chlorophenylphenyl ether	**<0.29**	ug/L	9.6	0.29	1	01/29/18 15:00	01/30/18 17:11	7005-72-3	1e
Chrysene	**<0.35**	ug/L	9.6	0.35	1	01/29/18 15:00	01/30/18 17:11	218-01-9	1e
Dibenz(a,h)anthracene	**<0.43**	ug/L	9.6	0.43	1	01/29/18 15:00	01/30/18 17:11	53-70-3	1e
Dibenzofuran	**<0.38**	ug/L	9.6	0.38	1	01/29/18 15:00	01/30/18 17:11	132-64-9	1e
1,2-Dichlorobenzene	**<0.28**	ug/L	9.6	0.28	1	01/29/18 15:00	01/30/18 17:11	95-50-1	1e
1,3-Dichlorobenzene	**<0.52**	ug/L	9.6	0.52	1	01/29/18 15:00	01/30/18 17:11	541-73-1	1e
1,4-Dichlorobenzene	**<0.39**	ug/L	9.6	0.39	1	01/29/18 15:00	01/30/18 17:11	106-46-7	1e
3,3'-Dichlorobenzidine	**<0.38**	ug/L	19.2	0.38	1	01/29/18 15:00	01/30/18 17:11	91-94-1	1e
2,4-Dichlorophenol	**<0.50**	ug/L	9.6	0.50	1	01/29/18 15:00	01/30/18 17:11	120-83-2	1e
Diethylphthalate	**<0.43**	ug/L	9.6	0.43	1	01/29/18 15:00	01/30/18 17:11	84-66-2	1e
2,4-Dimethylphenol	**<0.58**	ug/L	9.6	0.58	1	01/29/18 15:00	01/30/18 17:11	105-67-9	1e
Dimethylphthalate	**<0.34**	ug/L	9.6	0.34	1	01/29/18 15:00	01/30/18 17:11	131-11-3	1e
Di-n-butylphthalate	**<0.38**	ug/L	9.6	0.38	1	01/29/18 15:00	01/30/18 17:11	84-74-2	1e
4,6-Dinitro-2-methylphenol	**<0.53**	ug/L	48.1	0.53	1	01/29/18 15:00	01/30/18 17:11	534-52-1	1e
2,4-Dinitrophenol	**<8.1**	ug/L	48.1	8.1	1	01/29/18 15:00	01/30/18 17:11	51-28-5	1e
2,4-Dinitrotoluene	**<0.32**	ug/L	9.6	0.32	1	01/29/18 15:00	01/30/18 17:11	121-14-2	1e
2,6-Dinitrotoluene	**<0.27**	ug/L	9.6	0.27	1	01/29/18 15:00	01/30/18 17:11	606-20-2	1e
Di-n-octylphthalate	**<0.48**	ug/L	9.6	0.48	1	01/29/18 15:00	01/30/18 17:11	117-84-0	1e
bis(2-Ethylhexyl)phthalate	**<0.60**	ug/L	9.6	0.60	1	01/29/18 15:00	01/30/18 17:11	117-81-7	1e
Fluoranthene	**<0.36**	ug/L	9.6	0.36	1	01/29/18 15:00	01/30/18 17:11	206-44-0	1e
Fluorene	**<0.33**	ug/L	9.6	0.33	1	01/29/18 15:00	01/30/18 17:11	86-73-7	1e
Hexachloro-1,3-butadiene	**<0.37**	ug/L	9.6	0.37	1	01/29/18 15:00	01/30/18 17:11	87-68-3	1e
Hexachlorobenzene	**<0.29**	ug/L	9.6	0.29	1	01/29/18 15:00	01/30/18 17:11	118-74-1	1e

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-13 **Lab ID: 60262738011** Collected: 01/24/18 16:30 Received: 01/25/18 10:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Hexachlorocyclopentadiene	**<0.34**	ug/L	9.6	0.34	1	01/29/18 15:00	01/30/18 17:11	77-47-4	1e
Hexachloroethane	**<0.28**	ug/L	9.6	0.28	1	01/29/18 15:00	01/30/18 17:11	67-72-1	1e
Indeno(1,2,3-cd)pyrene	**<0.31**	ug/L	9.6	0.31	1	01/29/18 15:00	01/30/18 17:11	193-39-5	1e
Isophorone	**<0.27**	ug/L	9.6	0.27	1	01/29/18 15:00	01/30/18 17:11	78-59-1	1e
2-Methylnaphthalene	**<0.25**	ug/L	9.6	0.25	1	01/29/18 15:00	01/30/18 17:11	91-57-6	1e
2-Methylphenol(o-Cresol)	**<0.27**	ug/L	9.6	0.27	1	01/29/18 15:00	01/30/18 17:11	95-48-7	1e
3&4-Methylphenol(m&p Cresol)	**<4.8**	ug/L	9.6	4.8	1	01/29/18 15:00	01/30/18 17:11		1e
Naphthalene	**<0.35**	ug/L	9.6	0.35	1	01/29/18 15:00	01/30/18 17:11	91-20-3	1e
2-Nitroaniline	**<0.40**	ug/L	48.1	0.40	1	01/29/18 15:00	01/30/18 17:11	88-74-4	1e
3-Nitroaniline	**<0.34**	ug/L	48.1	0.34	1	01/29/18 15:00	01/30/18 17:11	99-09-2	1e
4-Nitroaniline	**<0.34**	ug/L	48.1	0.34	1	01/29/18 15:00	01/30/18 17:11	100-01-6	1e
Nitrobenzene	**<0.29**	ug/L	9.6	0.29	1	01/29/18 15:00	01/30/18 17:11	98-95-3	1e
2-Nitrophenol	**<0.27**	ug/L	9.6	0.27	1	01/29/18 15:00	01/30/18 17:11	88-75-5	1e
4-Nitrophenol	**<0.30**	ug/L	48.1	0.30	1	01/29/18 15:00	01/30/18 17:11	100-02-7	1e
N-Nitroso-di-n-propylamine	**<0.26**	ug/L	9.6	0.26	1	01/29/18 15:00	01/30/18 17:11	621-64-7	1e
N-Nitrosodiphenylamine	**<0.38**	ug/L	9.6	0.38	1	01/29/18 15:00	01/30/18 17:11	86-30-6	1e
Pentachlorophenol	**<0.30**	ug/L	48.1	0.30	1	01/29/18 15:00	01/30/18 17:11	87-86-5	1e
Phenanthrene	**<0.33**	ug/L	9.6	0.33	1	01/29/18 15:00	01/30/18 17:11	85-01-8	1e
Phenol	**<4.8**	ug/L	9.6	4.8	1	01/29/18 15:00	01/30/18 17:11	108-95-2	1e
Pyrene	**<0.27**	ug/L	9.6	0.27	1	01/29/18 15:00	01/30/18 17:11	129-00-0	1e
Pyridine	**<0.30**	ug/L	9.6	0.30	1	01/29/18 15:00	01/30/18 17:11	110-86-1	1e
1,2,4-Trichlorobenzene	**<0.32**	ug/L	9.6	0.32	1	01/29/18 15:00	01/30/18 17:11	120-82-1	1e
2,4,5-Trichlorophenol	**<0.32**	ug/L	48.1	0.32	1	01/29/18 15:00	01/30/18 17:11	95-95-4	1e
2,4,6-Trichlorophenol	**<0.38**	ug/L	9.6	0.38	1	01/29/18 15:00	01/30/18 17:11	88-06-2	1e
Surrogates									
Nitrobenzene-d5 (S)	78	%	33-99		1	01/29/18 15:00	01/30/18 17:11	4165-60-0	
2-Fluorobiphenyl (S)	79	%	30-103		1	01/29/18 15:00	01/30/18 17:11	321-60-8	
Terphenyl-d14 (S)	80	%	38-114		1	01/29/18 15:00	01/30/18 17:11	1718-51-0	
Phenol-d6 (S)	50	%	10-56		1	01/29/18 15:00	01/30/18 17:11	13127-88-3	
2-Fluorophenol (S)	64	%	10-68		1	01/29/18 15:00	01/30/18 17:11	367-12-4	
2,4,6-Tribromophenol (S)	86	%	21-124		1	01/29/18 15:00	01/30/18 17:11	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C								
TPH-ORO	**1.9**	mg/L	0.91	0.91	1	01/26/18 15:00	01/31/18 02:40		1e
TPH-DRO	**<0.91**	mg/L	0.91	0.91	1	01/26/18 15:00	01/31/18 02:40		1e
Surrogates									
Nitrobenzene-d5 (S)	67	%	33-99		1	01/26/18 15:00	01/31/18 02:40	4165-60-0	
2-Fluorobiphenyl (S)	68	%	30-103		1	01/26/18 15:00	01/31/18 02:40	321-60-8	
Terphenyl-d14 (S)	80	%	38-114		1	01/26/18 15:00	01/31/18 02:40	1718-51-0	
8260 MSV	Analytical Method: EPA 5030B/8260								
Acetone	**<1.9**	ug/L	10.0	1.9	1		01/26/18 16:04	67-64-1	
Benzene	**0.11J**	ug/L	1.0	0.060	1		01/26/18 16:04	71-43-2	
Bromobenzene	**<0.10**	ug/L	1.0	0.10	1		01/26/18 16:04	108-86-1	
Bromochloromethane	**<0.15**	ug/L	1.0	0.15	1		01/26/18 16:04	74-97-5	
Bromodichloromethane	**<0.19**	ug/L	1.0	0.19	1		01/26/18 16:04	75-27-4	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-13 **Lab ID: 60262738011** Collected: 01/24/18 16:30 Received: 01/25/18 10:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
Bromoform	**<0.070**	ug/L	1.0	0.070	1		01/26/18 16:04	75-25-2	
Bromomethane	**<0.16**	ug/L	5.0	0.16	1		01/26/18 16:04	74-83-9	
2-Butanone (MEK)	**<0.59**	ug/L	10.0	0.59	1		01/26/18 16:04	78-93-3	
n-Butylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/26/18 16:04	104-51-8	
sec-Butylbenzene	**<0.050**	ug/L	1.0	0.050	1		01/26/18 16:04	135-98-8	
tert-Butylbenzene	**<0.34**	ug/L	1.0	0.34	1		01/26/18 16:04	98-06-6	
Carbon disulfide	**<0.12**	ug/L	5.0	0.12	1		01/26/18 16:04	75-15-0	
Carbon tetrachloride	**<0.18**	ug/L	1.0	0.18	1		01/26/18 16:04	56-23-5	
Chlorobenzene	**<0.21**	ug/L	1.0	0.21	1		01/26/18 16:04	108-90-7	
Chloroethane	**<0.15**	ug/L	1.0	0.15	1		01/26/18 16:04	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	0.14	1		01/26/18 16:04	67-66-3	
Chloromethane	**<0.080**	ug/L	1.0	0.080	1		01/26/18 16:04	74-87-3	
2-Chlorotoluene	**<0.12**	ug/L	1.0	0.12	1		01/26/18 16:04	95-49-8	
4-Chlorotoluene	**<0.14**	ug/L	1.0	0.14	1		01/26/18 16:04	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.59**	ug/L	2.5	0.59	1		01/26/18 16:04	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	0.21	1		01/26/18 16:04	124-48-1	
1,2-Dibromoethane (EDB)	**<0.17**	ug/L	1.0	0.17	1		01/26/18 16:04	106-93-4	
Dibromomethane	**<0.18**	ug/L	1.0	0.18	1		01/26/18 16:04	74-95-3	
1,2-Dichlorobenzene	**<0.050**	ug/L	1.0	0.050	1		01/26/18 16:04	95-50-1	
1,3-Dichlorobenzene	**<0.070**	ug/L	1.0	0.070	1		01/26/18 16:04	541-73-1	
1,4-Dichlorobenzene	**<0.060**	ug/L	1.0	0.060	1		01/26/18 16:04	106-46-7	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	0.21	1		01/26/18 16:04	75-71-8	
1,1-Dichloroethane	**<0.050**	ug/L	1.0	0.050	1		01/26/18 16:04	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	0.12	1		01/26/18 16:04	107-06-2	
1,2-Dichloroethene (Total)	**<0.28**	ug/L	1.0	0.28	1		01/26/18 16:04	540-59-0	
1,1-Dichloroethene	**<0.20**	ug/L	1.0	0.20	1		01/26/18 16:04	75-35-4	
cis-1,2-Dichloroethene	**<0.080**	ug/L	1.0	0.080	1		01/26/18 16:04	156-59-2	
trans-1,2-Dichloroethene	**<0.20**	ug/L	1.0	0.20	1		01/26/18 16:04	156-60-5	
1,2-Dichloropropane	**<0.16**	ug/L	1.0	0.16	1		01/26/18 16:04	78-87-5	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	0.17	1		01/26/18 16:04	142-28-9	
2,2-Dichloropropane	**<0.19**	ug/L	1.0	0.19	1		01/26/18 16:04	594-20-7	
1,1-Dichloropropene	**<0.090**	ug/L	1.0	0.090	1		01/26/18 16:04	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	1.0	0.14	1		01/26/18 16:04	10061-01-5	
trans-1,3-Dichloropropene	**<0.12**	ug/L	1.0	0.12	1		01/26/18 16:04	10061-02-6	
Ethylbenzene	**<0.18**	ug/L	1.0	0.18	1		01/26/18 16:04	100-41-4	
Hexachloro-1,3-butadiene	**<0.18**	ug/L	1.0	0.18	1		01/26/18 16:04	87-68-3	
2-Hexanone	**<1.2**	ug/L	10.0	1.2	1		01/26/18 16:04	591-78-6	
Isopropylbenzene (Cumene)	**<0.070**	ug/L	1.0	0.070	1		01/26/18 16:04	98-82-8	
p-Isopropyltoluene	**<0.10**	ug/L	1.0	0.10	1		01/26/18 16:04	99-87-6	
Methylene chloride	**<0.15**	ug/L	1.0	0.15	1		01/26/18 16:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	10.0	0.42	1		01/26/18 16:04	108-10-1	
Methyl-tert-butyl ether	**<0.060**	ug/L	1.0	0.060	1		01/26/18 16:04	1634-04-4	
Naphthalene	**<0.50**	ug/L	10.0	0.50	1		01/26/18 16:04	91-20-3	
n-Propylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/26/18 16:04	103-65-1	
Styrene	**<0.12**	ug/L	1.0	0.12	1		01/26/18 16:04	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.15**	ug/L	1.0	0.15	1		01/26/18 16:04	630-20-6	

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ANALYTICAL RESULTS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Sample: SB-13 **Lab ID: 60262738011** Collected: 01/24/18 16:30 Received: 01/25/18 10:10 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260								
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	0.15	1		01/26/18 16:04	79-34-5	
Tetrachloroethene	**<0.10**	ug/L	1.0	0.10	1		01/26/18 16:04	127-18-4	
Toluene	**<0.17**	ug/L	1.0	0.17	1		01/26/18 16:04	108-88-3	
1,2,3-Trichlorobenzene	**<0.12**	ug/L	1.0	0.12	1		01/26/18 16:04	87-61-6	
1,2,4-Trichlorobenzene	**<0.10**	ug/L	1.0	0.10	1		01/26/18 16:04	120-82-1	
1,1,1-Trichloroethane	**0.13J**	ug/L	1.0	0.11	1		01/26/18 16:04	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		01/26/18 16:04	79-00-5	
Trichloroethene	**<0.17**	ug/L	1.0	0.17	1		01/26/18 16:04	79-01-6	
Trichlorofluoromethane	**<0.34**	ug/L	1.0	0.34	1		01/26/18 16:04	75-69-4	
1,2,3-Trichloropropane	**<0.19**	ug/L	2.5	0.19	1		01/26/18 16:04	96-18-4	
1,2,4-Trimethylbenzene	**<0.090**	ug/L	1.0	0.090	1		01/26/18 16:04	95-63-6	
1,3,5-Trimethylbenzene	**<0.10**	ug/L	1.0	0.10	1		01/26/18 16:04	108-67-8	
Vinyl chloride	**<0.13**	ug/L	1.0	0.13	1		01/26/18 16:04	75-01-4	
Xylene (Total)	**<0.42**	ug/L	3.0	0.42	1		01/26/18 16:04	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	80-119		1		01/26/18 16:04	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	80-117		1		01/26/18 16:04	17060-07-0	
Toluene-d8 (S)	93	%	80-115		1		01/26/18 16:04	2037-26-5	
Preservation pH	**1.0**		0.10	0.10	1		01/26/18 16:04		
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260								
TPH-GRO	**<63.5**	ug/L	500	63.5	1		01/26/18 19:17		
Surrogates									
Toluene-d8 (S)	104	%	80-115		1		01/26/18 19:17	2037-26-5	
4-Bromofluorobenzene (S)	103	%	80-119		1		01/26/18 19:17	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	87-117		1		01/26/18 19:17	17060-07-0	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
pH at 25 Degrees C	**7.4**	Std. Units	0.10	0.10	1		02/02/18 11:34		H6
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2								
Nitrogen, NO2 plus NO3	**2.3**	mg/L	0.20	0.10	2		01/26/18 14:22		
9056 IC Anions	Analytical Method: EPA 9056								
Sulfate	**140**	mg/L	10.0	5.0	10		02/02/18 22:53	14808-79-8	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 513439 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 60262738009, 60262738010, 60262738011

METHOD BLANK: 2101718 Matrix: Water
Associated Lab Samples: 60262738009, 60262738010, 60262738011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	<0.046	0.20	0.046	02/08/18 15:00	

LABORATORY CONTROL SAMPLE: 2101719

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.9	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2101720 2101721

Parameter	Units	60263480001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.6	4.8	92	96	75-125	3	20	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 513471 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury ,Dissolved
Associated Lab Samples: 60262738009, 60262738010, 60262738011

METHOD BLANK: 2101839 Matrix: Water
Associated Lab Samples: 60262738009, 60262738010, 60262738011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.046	0.20	0.046	02/09/18 10:41	

LABORATORY CONTROL SAMPLE: 2101840

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.6	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2101841 2101842

Parameter	Units	60262644016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	<0.046	5	5	5.3	5.0	106	100	75-125	6	20	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 512006 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004, 60262738005, 60262738006, 60262738007, 60262738008

METHOD BLANK: 2096397 Matrix: Solid
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004, 60262738005, 60262738006, 60262738007, 60262738008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	<0.0066	0.050	0.0066	01/29/18 11:54	

LABORATORY CONTROL SAMPLE: 2096398

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.5	0.56	113	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2096399 2096400

Parameter	Units	60262507001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	1.3	.45	.49	2.0	1.5	173	58	75-125	28	20	M1,R1

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 512402 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004, 60262738005, 60262738006, 60262738007, 60262738008

METHOD BLANK: 2097801 Matrix: Solid
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004, 60262738005, 60262738006, 60262738007, 60262738008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	<0.41	1.0	0.41	02/06/18 15:23	
Barium	mg/kg	<0.031	0.50	0.031	02/06/18 15:23	
Cadmium	mg/kg	<0.037	0.50	0.037	02/06/18 15:23	
Chromium	mg/kg	<0.10	0.50	0.10	02/06/18 15:23	
Lead	mg/kg	<0.21	0.50	0.21	02/06/18 15:23	
Selenium	mg/kg	<0.75	1.5	0.75	02/06/18 15:23	
Silver	mg/kg	<0.17	0.70	0.17	02/06/18 15:23	

LABORATORY CONTROL SAMPLE: 2097802

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	100	95.5	95	80-120	
Barium	mg/kg	100	101	101	80-120	
Cadmium	mg/kg	100	97.1	97	80-120	
Chromium	mg/kg	100	98.4	98	80-120	
Lead	mg/kg	100	100	100	80-120	
Selenium	mg/kg	100	95.2	95	80-120	
Silver	mg/kg	50	48.3	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2097803 2097804

Parameter	Units	60262738001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	6.1	110	117	106	110	91	89	75-125	3	20	
Barium	mg/kg	231	110	117	344	337	102	91	75-125	2	20	
Cadmium	mg/kg	0.11J	110	117	103	108	93	92	75-125	4	20	
Chromium	mg/kg	16.5	110	117	126	130	100	97	75-125	3	20	
Lead	mg/kg	12.0	110	117	116	127	95	99	75-125	9	20	
Selenium	mg/kg	<0.84	110	117	99.0	103	90	89	75-125	4	20	
Silver	mg/kg	<0.19	55.1	58.3	52.6	54.6	95	94	75-125	4	20	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 513465 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 60262738009, 60262738010, 60262738011

METHOD BLANK: 2101809 Matrix: Water
Associated Lab Samples: 60262738009, 60262738010, 60262738011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	<4.2	10.0	4.2	02/01/18 14:54	
Barium	ug/L	<0.91	5.0	0.91	02/01/18 14:54	
Cadmium	ug/L	<0.64	5.0	0.64	02/01/18 14:54	
Chromium	ug/L	<0.72	5.0	0.72	02/01/18 14:54	
Lead	ug/L	<2.4	5.0	2.4	02/01/18 14:54	
Selenium	ug/L	<3.4	15.0	3.4	02/01/18 14:54	
Silver	ug/L	<1.9	7.0	1.9	02/01/18 14:54	

LABORATORY CONTROL SAMPLE: 2101810

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	954	95	80-120	
Barium	ug/L	1000	983	98	80-120	
Cadmium	ug/L	1000	972	97	80-120	
Chromium	ug/L	1000	1010	101	80-120	
Lead	ug/L	1000	989	99	80-120	
Selenium	ug/L	1000	995	100	80-120	
Silver	ug/L	500	510	102	80-120	

MATRIX SPIKE SAMPLE: 2101811

Parameter	Units	60262831017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	11.1	1000	975	96	75-125	
Barium	ug/L	52.3	1000	1030	98	75-125	
Cadmium	ug/L	2.3J	1000	970	97	75-125	
Chromium	ug/L	10.6	1000	996	98	75-125	
Lead	ug/L	30.0	1000	984	95	75-125	
Selenium	ug/L	<3.4	1000	999	100	75-125	
Silver	ug/L	<1.9	500	503	101	75-125	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 513463 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET Dissolved
Associated Lab Samples: 60262738009, 60262738010, 60262738011

METHOD BLANK: 2101805 Matrix: Water
Associated Lab Samples: 60262738009, 60262738010, 60262738011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	<4.2	10.0	4.2	01/31/18 17:00	
Barium, Dissolved	ug/L	<0.91	5.0	0.91	01/31/18 17:00	
Cadmium, Dissolved	ug/L	<0.64	5.0	0.64	01/31/18 17:00	
Chromium, Dissolved	ug/L	<0.72	5.0	0.72	01/31/18 17:00	
Lead, Dissolved	ug/L	<2.4	5.0	2.4	01/31/18 17:00	
Selenium, Dissolved	ug/L	<3.4	15.0	3.4	01/31/18 17:00	
Silver, Dissolved	ug/L	<1.9	7.0	1.9	01/31/18 17:00	

LABORATORY CONTROL SAMPLE: 2101806

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	1000	956	96	80-120	
Barium, Dissolved	ug/L	1000	991	99	80-120	
Cadmium, Dissolved	ug/L	1000	988	99	80-120	
Chromium, Dissolved	ug/L	1000	1020	102	80-120	
Lead, Dissolved	ug/L	1000	1030	103	80-120	
Selenium, Dissolved	ug/L	1000	1010	101	80-120	
Silver, Dissolved	ug/L	500	494	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2101807 2101808

Parameter	Units	60262644015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic, Dissolved	ug/L	<4.2	1000	1000	985	974	98	97	75-125	1	20	
Barium, Dissolved	ug/L	70.2	1000	1000	1050	1030	98	96	75-125	1	20	
Cadmium, Dissolved	ug/L	<0.64	1000	1000	988	976	99	98	75-125	1	20	
Chromium, Dissolved	ug/L	1.4J	1000	1000	996	986	99	98	75-125	1	20	
Lead, Dissolved	ug/L	<2.4	1000	1000	966	961	97	96	75-125	0	20	
Selenium, Dissolved	ug/L	4.5J	1000	1000	1020	1010	101	100	75-125	1	20	
Silver, Dissolved	ug/L	<1.9	500	500	493	487	99	97	75-125	1	20	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 511855 Analysis Method: EPA 5035A/8260
QC Batch Method: EPA 5035A/8260 Analysis Description: 8260 MSV GRO and Oxygenates
Associated Lab Samples: 60262738001, 60262738004, 60262738006

METHOD BLANK: 2095746 Matrix: Solid
Associated Lab Samples: 60262738001, 60262738004, 60262738006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH-GRO	mg/kg	<0.25	0.50	0.25	01/25/18 18:42	
1,2-Dichloroethane-d4 (S)	%	107	80-123		01/25/18 18:42	
4-Bromofluorobenzene (S)	%	104	69-133		01/25/18 18:42	
Toluene-d8 (S)	%	97	78-122		01/25/18 18:42	

LABORATORY CONTROL SAMPLE: 2095747

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	4	3.0	75	61-140	
1,2-Dichloroethane-d4 (S)	%			106	80-123	
4-Bromofluorobenzene (S)	%			95	69-133	
Toluene-d8 (S)	%			99	78-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2095748 2095749

Parameter	Units	60262399017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane-d4 (S)	%						108	103	80-123			
4-Bromofluorobenzene (S)	%						97	95	69-133			
Toluene-d8 (S)	%						100	101	78-122			

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 512196 Analysis Method: EPA 5035A/8260
QC Batch Method: EPA 5035A/8260 Analysis Description: 8260 MSV GRO and Oxygenates
Associated Lab Samples: 60262738002, 60262738003, 60262738005, 60262738007, 60262738008

METHOD BLANK: 2097223 Matrix: Solid
Associated Lab Samples: 60262738002, 60262738003, 60262738005, 60262738007, 60262738008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH-GRO	mg/kg	<0.25	0.50	0.25	02/06/18 14:53	

LABORATORY CONTROL SAMPLE: 2097224

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	4	4.7	119	61-140	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 511954 Analysis Method: EPA 5030B/8260
QC Batch Method: EPA 5030B/8260 Analysis Description: 8260 MSV Water 10 mL Purge
Associated Lab Samples: 60262738009, 60262738010, 60262738011

METHOD BLANK: 2096154 Matrix: Water
Associated Lab Samples: 60262738009, 60262738010, 60262738011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.15	1.0	0.15	01/26/18 11:25	
1,1,1-Trichloroethane	ug/L	<0.11	1.0	0.11	01/26/18 11:25	
1,1,2,2-Tetrachloroethane	ug/L	<0.15	1.0	0.15	01/26/18 11:25	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	0.20	01/26/18 11:25	
1,1-Dichloroethane	ug/L	<0.050	1.0	0.050	01/26/18 11:25	
1,1-Dichloroethene	ug/L	<0.20	1.0	0.20	01/26/18 11:25	
1,1-Dichloropropene	ug/L	<0.090	1.0	0.090	01/26/18 11:25	
1,2,3-Trichlorobenzene	ug/L	0.23J	1.0	0.12	01/26/18 11:25	
1,2,3-Trichloropropane	ug/L	<0.19	2.5	0.19	01/26/18 11:25	
1,2,4-Trichlorobenzene	ug/L	0.16J	1.0	0.10	01/26/18 11:25	
1,2,4-Trimethylbenzene	ug/L	<0.090	1.0	0.090	01/26/18 11:25	
1,2-Dibromo-3-chloropropane	ug/L	<0.59	2.5	0.59	01/26/18 11:25	
1,2-Dibromoethane (EDB)	ug/L	<0.17	1.0	0.17	01/26/18 11:25	
1,2-Dichlorobenzene	ug/L	<0.050	1.0	0.050	01/26/18 11:25	
1,2-Dichloroethane	ug/L	<0.12	1.0	0.12	01/26/18 11:25	
1,2-Dichloroethene (Total)	ug/L	<0.28	1.0	0.28	01/26/18 11:25	
1,2-Dichloropropane	ug/L	<0.16	1.0	0.16	01/26/18 11:25	
1,3,5-Trimethylbenzene	ug/L	<0.10	1.0	0.10	01/26/18 11:25	
1,3-Dichlorobenzene	ug/L	<0.070	1.0	0.070	01/26/18 11:25	
1,3-Dichloropropane	ug/L	<0.17	1.0	0.17	01/26/18 11:25	
1,4-Dichlorobenzene	ug/L	<0.060	1.0	0.060	01/26/18 11:25	
2,2-Dichloropropane	ug/L	<0.19	1.0	0.19	01/26/18 11:25	
2-Butanone (MEK)	ug/L	<0.59	10.0	0.59	01/26/18 11:25	
2-Chlorotoluene	ug/L	<0.12	1.0	0.12	01/26/18 11:25	
2-Hexanone	ug/L	<1.2	10.0	1.2	01/26/18 11:25	
4-Chlorotoluene	ug/L	<0.14	1.0	0.14	01/26/18 11:25	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.42	10.0	0.42	01/26/18 11:25	
Acetone	ug/L	<1.9	10.0	1.9	01/26/18 11:25	
Benzene	ug/L	<0.060	1.0	0.060	01/26/18 11:25	
Bromobenzene	ug/L	<0.10	1.0	0.10	01/26/18 11:25	
Bromochloromethane	ug/L	<0.15	1.0	0.15	01/26/18 11:25	
Bromodichloromethane	ug/L	<0.19	1.0	0.19	01/26/18 11:25	
Bromoform	ug/L	<0.070	1.0	0.070	01/26/18 11:25	
Bromomethane	ug/L	<0.16	5.0	0.16	01/26/18 11:25	
Carbon disulfide	ug/L	<0.12	5.0	0.12	01/26/18 11:25	
Carbon tetrachloride	ug/L	<0.18	1.0	0.18	01/26/18 11:25	
Chlorobenzene	ug/L	<0.21	1.0	0.21	01/26/18 11:25	
Chloroethane	ug/L	<0.15	1.0	0.15	01/26/18 11:25	
Chloroform	ug/L	<0.14	1.0	0.14	01/26/18 11:25	
Chloromethane	ug/L	<0.080	1.0	0.080	01/26/18 11:25	
cis-1,2-Dichloroethene	ug/L	<0.080	1.0	0.080	01/26/18 11:25	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

METHOD BLANK: 2096154 Matrix: Water
Associated Lab Samples: 60262738009, 60262738010, 60262738011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	<0.14	1.0	0.14	01/26/18 11:25	
Dibromochloromethane	ug/L	<0.21	1.0	0.21	01/26/18 11:25	
Dibromomethane	ug/L	<0.18	1.0	0.18	01/26/18 11:25	
Dichlorodifluoromethane	ug/L	<0.21	1.0	0.21	01/26/18 11:25	
Ethylbenzene	ug/L	<0.18	1.0	0.18	01/26/18 11:25	
Hexachloro-1,3-butadiene	ug/L	<0.18	1.0	0.18	01/26/18 11:25	
Isopropylbenzene (Cumene)	ug/L	<0.070	1.0	0.070	01/26/18 11:25	
Methyl-tert-butyl ether	ug/L	<0.060	1.0	0.060	01/26/18 11:25	
Methylene chloride	ug/L	<0.15	1.0	0.15	01/26/18 11:25	
n-Butylbenzene	ug/L	<0.10	1.0	0.10	01/26/18 11:25	
n-Propylbenzene	ug/L	<0.10	1.0	0.10	01/26/18 11:25	
Naphthalene	ug/L	<0.50	10.0	0.50	01/26/18 11:25	
p-Isopropyltoluene	ug/L	<0.10	1.0	0.10	01/26/18 11:25	
sec-Butylbenzene	ug/L	<0.050	1.0	0.050	01/26/18 11:25	
Styrene	ug/L	<0.12	1.0	0.12	01/26/18 11:25	
tert-Butylbenzene	ug/L	<0.34	1.0	0.34	01/26/18 11:25	
Tetrachloroethene	ug/L	<0.10	1.0	0.10	01/26/18 11:25	
Toluene	ug/L	<0.17	1.0	0.17	01/26/18 11:25	
trans-1,2-Dichloroethene	ug/L	<0.20	1.0	0.20	01/26/18 11:25	
trans-1,3-Dichloropropene	ug/L	<0.12	1.0	0.12	01/26/18 11:25	
Trichloroethene	ug/L	<0.17	1.0	0.17	01/26/18 11:25	
Trichlorofluoromethane	ug/L	<0.34	1.0	0.34	01/26/18 11:25	
Vinyl chloride	ug/L	<0.13	1.0	0.13	01/26/18 11:25	
Xylene (Total)	ug/L	<0.42	3.0	0.42	01/26/18 11:25	
1,2-Dichloroethane-d4 (S)	%	105	80-117		01/26/18 11:25	
4-Bromofluorobenzene (S)	%	101	80-119		01/26/18 11:25	
Toluene-d8 (S)	%	96	80-115		01/26/18 11:25	

LABORATORY CONTROL SAMPLE: 2096155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.2	101	86-115	
1,1,1-Trichloroethane	ug/L	20	22.6	113	87-122	
1,1,2,2-Tetrachloroethane	ug/L	20	21.8	109	74-121	
1,1,2-Trichloroethane	ug/L	20	20.4	102	83-119	
1,1-Dichloroethane	ug/L	20	23.5	118	85-128	
1,1-Dichloroethene	ug/L	20	22.5	112	85-123	
1,1-Dichloropropene	ug/L	20	22.9	114	87-124	
1,2,3-Trichlorobenzene	ug/L	20	19.5	98	74-122	
1,2,3-Trichloropropane	ug/L	20	21.0	105	76-125	
1,2,4-Trichlorobenzene	ug/L	20	18.4	92	80-120	
1,2,4-Trimethylbenzene	ug/L	20	19.7	99	83-121	
1,2-Dibromo-3-chloropropane	ug/L	20	19.5	98	64-132	
1,2-Dibromoethane (EDB)	ug/L	20	19.9	100	84-118	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

LABORATORY CONTROL SAMPLE: 2096155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/L	20	19.4	97	83-118	
1,2-Dichloroethane	ug/L	20	23.6	118	77-120	
1,2-Dichloroethene (Total)	ug/L	40	47.4	118	85-120	
1,2-Dichloropropane	ug/L	20	23.0	115	81-126	
1,3,5-Trimethylbenzene	ug/L	20	20.2	101	82-120	
1,3-Dichlorobenzene	ug/L	20	20.5	103	84-118	
1,3-Dichloropropane	ug/L	20	19.9	99	79-132	
1,4-Dichlorobenzene	ug/L	20	19.1	95	83-118	
2,2-Dichloropropane	ug/L	20	23.8	119	64-129	
2-Butanone (MEK)	ug/L	100	122	122	65-134	
2-Chlorotoluene	ug/L	20	20.1	100	85-115	
2-Hexanone	ug/L	100	112	112	68-132	
4-Chlorotoluene	ug/L	20	19.3	97	85-118	
4-Methyl-2-pentanone (MIBK)	ug/L	100	121	121	66-139	
Acetone	ug/L	100	114	114	62-142	
Benzene	ug/L	20	23.3	117	81-118	
Bromobenzene	ug/L	20	19.7	98	82-116	
Bromochloromethane	ug/L	20	21.4	107	82-129	
Bromodichloromethane	ug/L	20	22.9	114	85-123	
Bromoform	ug/L	20	20.9	104	83-123	
Bromomethane	ug/L	20	16.5	83	39-149	
Carbon disulfide	ug/L	20	17.2	86	85-124	
Carbon tetrachloride	ug/L	20	23.6	118	85-126	
Chlorobenzene	ug/L	20	20.8	104	87-118	
Chloroethane	ug/L	20	18.5	93	73-134	
Chloroform	ug/L	20	23.0	115	85-119	
Chloromethane	ug/L	20	18.4	92	20-174	
cis-1,2-Dichloroethene	ug/L	20	23.6	118	84-121	
cis-1,3-Dichloropropene	ug/L	20	23.5	118	80-124	
Dibromochloromethane	ug/L	20	21.4	107	83-122	
Dibromomethane	ug/L	20	23.0	115	82-125	
Dichlorodifluoromethane	ug/L	20	19.4	97	67-149	
Ethylbenzene	ug/L	20	20.6	103	80-118	
Hexachloro-1,3-butadiene	ug/L	20	17.9	90	75-117	
Isopropylbenzene (Cumene)	ug/L	20	21.2	106	89-120	
Methyl-tert-butyl ether	ug/L	20	23.9	119	82-119	
Methylene chloride	ug/L	20	22.3	112	81-126	
n-Butylbenzene	ug/L	20	20.0	100	80-116	
n-Propylbenzene	ug/L	20	20.2	101	83-119	
Naphthalene	ug/L	20	20.2	101	71-121	
p-Isopropyltoluene	ug/L	20	19.5	97	82-117	
sec-Butylbenzene	ug/L	20	21.3	106	81-113	
Styrene	ug/L	20	21.6	108	85-120	
tert-Butylbenzene	ug/L	20	20.0	100	85-116	
Tetrachloroethene	ug/L	20	20.3	101	87-120	
Toluene	ug/L	20	20.9	105	82-118	
trans-1,2-Dichloroethene	ug/L	20	23.8	119	83-121	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

LABORATORY CONTROL SAMPLE: 2096155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/L	20	20.7	104	80-122	
Trichloroethene	ug/L	20	23.2	116	82-120	
Trichlorofluoromethane	ug/L	20	22.3	111	86-133	
Vinyl chloride	ug/L	20	22.8	114	74-147	
Xylene (Total)	ug/L	60	62.5	104	81-120	
1,2-Dichloroethane-d4 (S)	%			106	80-117	
4-Bromofluorobenzene (S)	%			97	80-119	
Toluene-d8 (S)	%			95	80-115	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 512008 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV MO GRO Oxygenates
Associated Lab Samples: 60262738009, 60262738010, 60262738011

METHOD BLANK: 2096402 Matrix: Water
Associated Lab Samples: 60262738009, 60262738010, 60262738011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH-GRO	ug/L	<63.5	500	63.5	01/26/18 13:42	
1,2-Dichloroethane-d4 (S)	%	96	87-117		01/26/18 13:42	
4-Bromofluorobenzene (S)	%	107	80-119		01/26/18 13:42	
Toluene-d8 (S)	%	104	80-115		01/26/18 13:42	

LABORATORY CONTROL SAMPLE: 2096403

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	ug/L	4000	4190	105	77-146	
1,2-Dichloroethane-d4 (S)	%			96	87-117	
4-Bromofluorobenzene (S)	%			96	80-119	
Toluene-d8 (S)	%			104	80-115	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 513132 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004, 60262738005, 60262738006, 60262738007, 60262738008

METHOD BLANK: 2100603 Matrix: Solid
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004, 60262738005, 60262738006, 60262738007, 60262738008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
1,1,1-Trichloroethane	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
1,1,2,2-Tetrachloroethane	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
1,1,2-Trichloroethane	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
1,1-Dichloroethane	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
1,1-Dichloroethene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
1,1-Dichloropropene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
1,2,3-Trichlorobenzene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
1,2,3-Trichloropropane	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
1,2,4-Trichlorobenzene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
1,2,4-Trimethylbenzene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
1,2-Dibromo-3-chloropropane	ug/kg	<5.0	10.0	5.0	02/06/18 12:34	
1,2-Dibromoethane (EDB)	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
1,2-Dichlorobenzene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
1,2-Dichloroethane	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
1,2-Dichloroethene (Total)	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
1,2-Dichloropropane	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
1,3,5-Trimethylbenzene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
1,3-Dichlorobenzene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
1,3-Dichloropropane	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
1,4-Dichlorobenzene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
2,2-Dichloropropane	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
2-Butanone (MEK)	ug/kg	<5.0	10.0	5.0	02/06/18 12:34	
2-Chlorotoluene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
2-Hexanone	ug/kg	<10.0	20.0	10.0	02/06/18 12:34	
4-Chlorotoluene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
4-Methyl-2-pentanone (MIBK)	ug/kg	<5.0	10.0	5.0	02/06/18 12:34	
Acetone	ug/kg	<10.0	20.0	10.0	02/06/18 12:34	
Benzene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Bromobenzene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Bromochloromethane	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Bromodichloromethane	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Bromoform	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Bromomethane	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Carbon disulfide	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Carbon tetrachloride	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Chlorobenzene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Chloroethane	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Chloroform	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Chloromethane	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

METHOD BLANK: 2100603 Matrix: Solid
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004, 60262738005, 60262738006, 60262738007, 60262738008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
cis-1,3-Dichloropropene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Dibromochloromethane	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Dibromomethane	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Dichlorodifluoromethane	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Ethylbenzene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Hexachloro-1,3-butadiene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Isopropylbenzene (Cumene)	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Methyl-tert-butyl ether	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Methylene chloride	ug/kg	2.6J	5.0	2.5	02/06/18 12:34	
n-Butylbenzene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
n-Propylbenzene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Naphthalene	ug/kg	<5.0	10.0	5.0	02/06/18 12:34	
p-Isopropyltoluene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
sec-Butylbenzene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Styrene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
tert-Butylbenzene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Tetrachloroethene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Toluene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
trans-1,2-Dichloroethene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
trans-1,3-Dichloropropene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Trichloroethene	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Trichlorofluoromethane	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Vinyl chloride	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
Xylene (Total)	ug/kg	<2.5	5.0	2.5	02/06/18 12:34	
1,2-Dichloroethane-d4 (S)	%	103	80-123		02/06/18 12:34	
4-Bromofluorobenzene (S)	%	102	69-133		02/06/18 12:34	
Toluene-d8 (S)	%	101	78-122		02/06/18 12:34	

LABORATORY CONTROL SAMPLE: 2100604

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	102	102	79-131	
1,1,1-Trichloroethane	ug/kg	100	102	102	75-138	
1,1,2,2-Tetrachloroethane	ug/kg	100	96.1	96	71-127	
1,1,2-Trichloroethane	ug/kg	100	99.7	100	77-118	
1,1-Dichloroethane	ug/kg	100	91.3	91	79-127	
1,1-Dichloroethene	ug/kg	100	89.7	90	66-135	
1,1-Dichloropropene	ug/kg	100	107	107	69-143	
1,2,3-Trichlorobenzene	ug/kg	100	99.1	99	78-122	
1,2,3-Trichloropropane	ug/kg	100	97.2	97	74-119	
1,2,4-Trichlorobenzene	ug/kg	100	98.9	99	71-129	
1,2,4-Trimethylbenzene	ug/kg	100	99.0	99	73-130	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

LABORATORY CONTROL SAMPLE: 2100604

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/kg	100	112	112	72-139	
1,2-Dibromoethane (EDB)	ug/kg	100	90.0	90	81-121	
1,2-Dichlorobenzene	ug/kg	100	100	100	74-123	
1,2-Dichloroethane	ug/kg	100	88.3	88	77-117	
1,2-Dichloroethene (Total)	ug/kg	200	204	102	77-127	
1,2-Dichloropropane	ug/kg	100	95.4	95	70-126	
1,3,5-Trimethylbenzene	ug/kg	100	101	101	74-131	
1,3-Dichlorobenzene	ug/kg	100	98.4	98	75-124	
1,3-Dichloropropane	ug/kg	100	91.2	91	80-121	
1,4-Dichlorobenzene	ug/kg	100	97.6	98	74-125	
2,2-Dichloropropane	ug/kg	100	106	106	70-146	
2-Butanone (MEK)	ug/kg	500	467	93	66-121	
2-Chlorotoluene	ug/kg	100	102	102	75-127	
2-Hexanone	ug/kg	500	495	99	67-124	
4-Chlorotoluene	ug/kg	100	100	100	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	485	97	70-120	
Acetone	ug/kg	500	519	104	60-134	
Benzene	ug/kg	100	99.8	100	77-122	
Bromobenzene	ug/kg	100	100	100	79-121	
Bromochloromethane	ug/kg	100	94.9	95	74-123	
Bromodichloromethane	ug/kg	100	102	102	80-133	
Bromoform	ug/kg	100	106	106	76-150	
Bromomethane	ug/kg	100	84.7	85	24-174	
Carbon disulfide	ug/kg	100	89.0	89	59-145	
Carbon tetrachloride	ug/kg	100	108	108	73-150	
Chlorobenzene	ug/kg	100	99.0	99	76-123	
Chloroethane	ug/kg	100	71.7	72	34-164	
Chloroform	ug/kg	100	93.1	93	80-122	
Chloromethane	ug/kg	100	81.3	81	10-170	
cis-1,2-Dichloroethene	ug/kg	100	95.2	95	81-121	
cis-1,3-Dichloropropene	ug/kg	100	102	102	71-137	
Dibromochloromethane	ug/kg	100	100	100	78-137	
Dibromomethane	ug/kg	100	95.6	96	82-119	
Dichlorodifluoromethane	ug/kg	100	115	115	10-186	
Ethylbenzene	ug/kg	100	101	101	74-126	
Hexachloro-1,3-butadiene	ug/kg	100	106	106	68-146	
Isopropylbenzene (Cumene)	ug/kg	100	106	106	75-133	
Methyl-tert-butyl ether	ug/kg	100	96.1	96	74-120	
Methylene chloride	ug/kg	100	91.9	92	64-138	
n-Butylbenzene	ug/kg	100	107	107	70-140	
n-Propylbenzene	ug/kg	100	104	104	72-134	
Naphthalene	ug/kg	100	101	101	73-117	
p-Isopropyltoluene	ug/kg	100	101	101	72-135	
sec-Butylbenzene	ug/kg	100	111	111	72-132	
Styrene	ug/kg	100	108	108	77-127	
tert-Butylbenzene	ug/kg	100	105	105	74-133	
Tetrachloroethene	ug/kg	100	103	103	75-135	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

LABORATORY CONTROL SAMPLE: 2100604

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/kg	100	101	101	73-122	
trans-1,2-Dichloroethene	ug/kg	100	109	109	71-134	
trans-1,3-Dichloropropene	ug/kg	100	99.6	100	72-142	
Trichloroethene	ug/kg	100	105	105	73-127	
Trichlorofluoromethane	ug/kg	100	95.9	96	55-155	
Vinyl chloride	ug/kg	100	98.8	99	36-162	
Xylene (Total)	ug/kg	300	306	102	75-123	
1,2-Dichloroethane-d4 (S)	%			99	80-123	
4-Bromofluorobenzene (S)	%			101	69-133	
Toluene-d8 (S)	%			101	78-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2100605 2100606

Parameter	Units	60263077004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	114	114	94.5	96.5	83	84	33-130	2	34	
1,1,1-Trichloroethane	ug/kg	ND	114	114	93.0	96.1	82	84	45-129	3	45	
1,1,2,2-Tetrachloroethane	ug/kg	ND	114	114	84.7	90.5	75	79	5-157	7	41	
1,1,2-Trichloroethane	ug/kg	ND	114	114	100	102	88	89	28-133	1	32	
1,1-Dichloroethane	ug/kg	ND	114	114	81.9	88.1	72	77	43-126	7	32	
1,1-Dichloroethene	ug/kg	ND	114	114	84.2	82.1	74	72	33-132	2	38	
1,1-Dichloropropene	ug/kg	ND	114	114	91.1	97.6	80	85	36-132	7	36	
1,2,3-Trichlorobenzene	ug/kg	ND	114	114	59.6	62.5	52	55	10-135	5	45	
1,2,3-Trichloropropane	ug/kg	ND	114	114	92.9	92.0	82	80	15-153	1	35	
1,2,4-Trichlorobenzene	ug/kg	ND	114	114	59.2	65.5	52	57	10-135	10	43	
1,2,4-Trimethylbenzene	ug/kg	ND	114	114	76.7	81.1	68	71	15-129	6	41	
1,2-Dibromo-3-chloropropane	ug/kg	ND	114	114	87.8	93.6	77	82	10-155	6	38	
1,2-Dibromoethane (EDB)	ug/kg	ND	114	114	93.8	92.6	83	81	38-128	1	32	
1,2-Dichlorobenzene	ug/kg	ND	114	114	72.2	78.3	64	68	12-132	8	38	
1,2-Dichloroethane	ug/kg	ND	114	114	87.8	92.0	77	80	45-117	5	29	
1,2-Dichloroethene (Total)	ug/kg	ND	227	229	173	262	75	114	37-127	41	33	R1
1,2-Dichloropropane	ug/kg	ND	114	114	90.6	96.4	80	84	46-116	6	31	
1,3,5-Trimethylbenzene	ug/kg	ND	114	114	76.8	83.8	68	73	19-130	9	38	
1,3-Dichlorobenzene	ug/kg	ND	114	114	72.4	75.9	64	66	14-130	5	39	
1,3-Dichloropropane	ug/kg	ND	114	114	92.9	95.1	82	83	38-124	2	31	
1,4-Dichlorobenzene	ug/kg	ND	114	114	70.7	75.4	62	66	12-130	6	39	
2,2-Dichloropropane	ug/kg	ND	114	114	89.9	96.5	79	84	37-135	7	33	
2-Butanone (MEK)	ug/kg	ND	568	572	477	475	84	83	32-130	0	33	
2-Chlorotoluene	ug/kg	ND	114	114	79.5	86.0	70	75	18-133	8	38	
2-Hexanone	ug/kg	ND	568	572	498	508	88	89	31-131	2	32	
4-Chlorotoluene	ug/kg	ND	114	114	77.1	82.0	68	72	24-128	6	39	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	568	572	487	497	86	87	38-129	2	30	
Acetone	ug/kg	ND	568	572	587	541	102	93	25-143	8	39	
Benzene	ug/kg	ND	114	114	90.4	94.2	80	82	51-124	4	28	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2100605 2100606

Parameter	Units	60263077004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromobenzene	ug/kg	ND	114	114	81.0	87.9	71	77	21-130	8	39	
Bromochloromethane	ug/kg	ND	114	114	90.2	90.5	79	79	40-124	0	29	
Bromodichloromethane	ug/kg	ND	114	114	94.6	99.6	83	87	37-130	5	30	
Bromoform	ug/kg	ND	114	114	94.4	97.8	83	85	25-142	4	37	
Bromomethane	ug/kg	ND	114	114	74.7	83.5	66	73	10-158	11	47	
Carbon disulfide	ug/kg	ND	114	114	79.9	78.5	70	69	26-133	2	41	
Carbon tetrachloride	ug/kg	ND	114	114	92.8	96.5	82	84	40-136	4	35	
Chlorobenzene	ug/kg	ND	114	114	85.3	91.5	75	80	25-133	7	36	
Chloroethane	ug/kg	ND	114	114	69.7	68.2	61	60	10-160	2	42	
Chloroform	ug/kg	ND	114	114	91.0	93.1	80	81	47-119	2	31	
Chloromethane	ug/kg	ND	114	114	77.2	76.6	68	67	10-143	1	38	
cis-1,2-Dichloroethene	ug/kg	ND	114	114	87.0	92.7	76	80	45-125	6	32	
cis-1,3-Dichloropropene	ug/kg	ND	114	114	93.7	98.0	83	86	43-125	4	36	
Dibromochloromethane	ug/kg	ND	114	114	94.6	100	83	87	46-129	6	34	
Dibromomethane	ug/kg	ND	114	114	93.0	95.4	82	83	38-124	3	30	
Dichlorodifluoromethane	ug/kg	ND	114	114	92.7	109	82	96	10-156	17	40	
Ethylbenzene	ug/kg	ND	114	114	88.8	96.5	78	84	38-131	8	32	
Hexachloro-1,3-butadiene	ug/kg	ND	114	114	58.6	62.9	52	55	10-134	7	44	
Isopropylbenzene (Cumene)	ug/kg	ND	114	114	88.2	93.1	78	81	26-129	5	37	
Methyl-tert-butyl ether	ug/kg	ND	114	114	86.0	155	76	135	49-120	57	41	M1,R1
Methylene chloride	ug/kg	ND	114	114	92.0	87.0	78	73	37-123	6	36	
n-Butylbenzene	ug/kg	ND	114	114	71.5	78.3	63	68	10-132	9	39	
n-Propylbenzene	ug/kg	ND	114	114	82.2	87.9	72	77	26-130	7	38	
Naphthalene	ug/kg	ND	114	114	68.7	72.6	60	63	10-144	6	41	
p-Isopropyltoluene	ug/kg	ND	114	114	74.4	79.6	66	69	14-130	7	39	
sec-Butylbenzene	ug/kg	ND	114	114	81.5	86.7	72	76	15-131	6	38	
Styrene	ug/kg	ND	114	114	87.8	94.9	77	83	29-128	8	38	
tert-Butylbenzene	ug/kg	ND	114	114	82.0	86.7	72	76	26-133	6	39	
Tetrachloroethene	ug/kg	ND	114	114	93.1	96.8	82	85	31-132	4	38	
Toluene	ug/kg	ND	114	114	93.1	98.8	82	86	40-129	6	30	
trans-1,2-Dichloroethene	ug/kg	ND	114	114	85.5	169	75	148	40-126	66	36	M1,R1
trans-1,3-Dichloropropene	ug/kg	ND	114	114	92.9	97.9	82	85	30-131	5	39	
Trichloroethene	ug/kg	ND	114	114	95.6	101	84	88	34-129	5	35	
Trichlorofluoromethane	ug/kg	ND	114	114	89.7	87.3	79	76	30-139	3	40	
Vinyl chloride	ug/kg	ND	114	114	94.1	92.1	83	80	17-139	2	42	
Xylene (Total)	ug/kg	ND	341	343	264	282	77	82	32-133	7	43	
1,2-Dichloroethane-d4 (S)	%						103	101	80-123			
4-Bromofluorobenzene (S)	%						96	95	69-133			
Toluene-d8 (S)	%						100	101	78-122			

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 91580 Analysis Method: EPA 8081
QC Batch Method: EPA 3546 Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004, 60262738005, 60262738006, 60262738007, 60262738008

METHOD BLANK: 405973 Matrix: Solid
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004, 60262738005, 60262738006, 60262738007, 60262738008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
4,4'-DDD	ug/kg	<0.33	1.0	0.33	02/05/18 18:09	
4,4'-DDE	ug/kg	<0.31	1.0	0.31	02/05/18 18:09	
4,4'-DDT	ug/kg	<0.65	1.4	0.65	02/05/18 18:09	
Aldrin	ug/kg	<0.35	1.0	0.35	02/05/18 18:09	
alpha-BHC	ug/kg	<0.16	1.0	0.16	02/05/18 18:09	
alpha-Chlordane	ug/kg	<0.40	1.7	0.40	02/05/18 18:09	
beta-BHC	ug/kg	<0.53	1.7	0.53	02/05/18 18:09	
Chlordane (Technical)	ug/kg	<28.1	150	28.1	02/05/18 18:09	
delta-BHC	ug/kg	<0.48	1.4	0.48	02/05/18 18:09	
Dieldrin	ug/kg	<0.43	1.4	0.43	02/05/18 18:09	
Endosulfan I	ug/kg	<0.46	1.4	0.46	02/05/18 18:09	
Endosulfan II	ug/kg	<0.32	1.0	0.32	02/05/18 18:09	
Endosulfan sulfate	ug/kg	<0.46	1.4	0.46	02/05/18 18:09	
Endrin	ug/kg	<0.46	1.7	0.46	02/05/18 18:09	
Endrin aldehyde	ug/kg	<0.46	1.4	0.46	02/05/18 18:09	
Endrin ketone	ug/kg	<0.55	2.0	0.55	02/05/18 18:09	
gamma-BHC (Lindane)	ug/kg	<0.45	1.4	0.45	02/05/18 18:09	
gamma-Chlordane	ug/kg	<0.66	1.7	0.66	02/05/18 18:09	
Heptachlor	ug/kg	<0.76	2.0	0.76	02/05/18 18:09	
Heptachlor epoxide	ug/kg	<2.0	5.0	2.0	02/05/18 18:09	
Methoxychlor	ug/kg	<0.57	2.0	0.57	02/05/18 18:09	
Toxaphene	ug/kg	<51.8	150	51.8	02/05/18 18:09	
Decachlorobiphenyl (S)	%.	100	70-130		02/05/18 18:09	
Tetrachloro-m-xylene (S)	%.	90	70-130		02/05/18 18:09	

LABORATORY CONTROL SAMPLE: 405974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/kg	33.3	31.7	95	70-130	
4,4'-DDE	ug/kg	33.3	31.8	96	70-130	
4,4'-DDT	ug/kg	33.3	31.3	94	70-130	
Aldrin	ug/kg	33.3	29.9	90	70-130	
alpha-BHC	ug/kg	33.3	31.5	95	70-130	
alpha-Chlordane	ug/kg	33.3	29.8	90	70-130	
beta-BHC	ug/kg	33.3	27.8	83	70-130	
delta-BHC	ug/kg	33.3	28.8	87	70-130	
Dieldrin	ug/kg	33.3	28.5	86	70-130	
Endosulfan I	ug/kg	33.3	28.0	84	70-130	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

LABORATORY CONTROL SAMPLE: 405974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endosulfan II	ug/kg	33.3	29.5	89	70-130	
Endosulfan sulfate	ug/kg	33.3	27.5	83	70-130	
Endrin	ug/kg	33.3	30.1	90	70-130	
Endrin aldehyde	ug/kg	33.3	27.9	84	70-130	
Endrin ketone	ug/kg	33.3	28.0	84	70-130	
gamma-BHC (Lindane)	ug/kg	33.3	30.1	90	70-130	
gamma-Chlordane	ug/kg	33.3	32.0	96	70-130	
Heptachlor	ug/kg	33.3	29.4	88	70-130	
Heptachlor epoxide	ug/kg	33.3	28.1	85	70-130	
Methoxychlor	ug/kg	33.3	29.5	88	70-130	
Decachlorobiphenyl (S)	%.			93	70-130	
Tetrachloro-m-xylene (S)	%.			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 405975 405976

Parameter	Units	60262738001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4,4'-DDD	ug/kg	<0.58	60.4	60.5	45.3	46.3	75	77	70-130	2	40	
4,4'-DDE	ug/kg	<0.56	60.4	60.5	54.7	55.9	90	92	70-130	2	40	
4,4'-DDT	ug/kg	<1.2	60.4	60.5	44.8	45.2	74	75	70-130	1	40	
Aldrin	ug/kg	<0.64	60.4	60.5	44.6	45.4	74	75	70-130	2	40	
alpha-BHC	ug/kg	<0.28	60.4	60.5	49.1	50.4	81	83	70-130	3	40	
alpha-Chlordane	ug/kg	<0.71	60.4	60.5	45.6	46.3	75	77	70-130	2	40	
beta-BHC	ug/kg	<0.95	60.4	60.5	49.4	51.4	82	85	70-130	4	40	
delta-BHC	ug/kg	<0.86	60.4	60.5	47.7	47.2	79	78	70-130	1	40	
Dieldrin	ug/kg	<0.78	60.4	60.5	41.5	42.1	69	70	70-130	1	40	M1
Endosulfan I	ug/kg	<0.83	60.4	60.5	38.2	38.2	63	63	70-130	0	40	M1
Endosulfan II	ug/kg	<0.58	60.4	60.5	42.6	43.2	71	71	70-130	1	40	
Endosulfan sulfate	ug/kg	<0.83	60.4	60.5	38.4	39.5	64	65	70-130	3	40	M1
Endrin	ug/kg	<0.83	60.4	60.5	46.2	45.9	76	76	70-130	1	40	
Endrin aldehyde	ug/kg	<0.83	60.4	60.5	42.5	42.9	70	71	70-130	1	40	
Endrin ketone	ug/kg	<0.99	60.4	60.5	39.3	40.2	64	66	70-130	2	40	M1
gamma-BHC (Lindane)	ug/kg	<0.81	60.4	60.5	48.5	49.8	80	82	70-130	3	40	
gamma-Chlordane	ug/kg	<1.2	60.4	60.5	42.0	42.4	70	70	70-130	1	40	
Heptachlor	ug/kg	<1.4	60.4	60.5	43.0	43.7	71	72	70-130	2	40	
Heptachlor epoxide	ug/kg	<3.6	60.4	60.5	42.8	43.8	71	72	70-130	2	40	
Methoxychlor	ug/kg	<1.0	60.4	60.5	44.6	47.0	74	78	70-130	5	40	
Decachlorobiphenyl (S)	%.						71	72	70-130			
Tetrachloro-m-xylene (S)	%.						75	75	70-130			

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 91634 Analysis Method: EPA 8081
QC Batch Method: EPA 3510 Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 60262738009, 60262738010, 60262738011

METHOD BLANK: 406236 Matrix: Water
Associated Lab Samples: 60262738009, 60262738010, 60262738011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
4,4'-DDD	ug/L	<0.0050	0.010	0.0050	02/09/18 13:36	
4,4'-DDE	ug/L	<0.0070	0.010	0.0070	02/09/18 13:36	
4,4'-DDT	ug/L	<0.0070	0.010	0.0070	02/09/18 13:36	
Aldrin	ug/L	<0.0070	0.010	0.0070	02/09/18 13:36	
alpha-BHC	ug/L	<0.0060	0.010	0.0060	02/09/18 13:36	
alpha-Chlordane	ug/L	<0.024	0.10	0.024	02/09/18 13:36	
beta-BHC	ug/L	<0.010	0.010	0.010	02/09/18 13:36	
Chlordane (Technical)	ug/L	<0.090	0.10	0.090	02/09/18 13:36	
delta-BHC	ug/L	<0.0090	0.010	0.0090	02/09/18 13:36	
Dieldrin	ug/L	<0.0060	0.010	0.0060	02/09/18 13:36	
Endosulfan I	ug/L	<0.021	0.10	0.021	02/09/18 13:36	
Endosulfan II	ug/L	<0.0090	0.010	0.0090	02/09/18 13:36	
Endosulfan sulfate	ug/L	<0.0070	0.010	0.0070	02/09/18 13:36	
Endrin	ug/L	<0.0070	0.010	0.0070	02/09/18 13:36	
Endrin aldehyde	ug/L	<0.029	0.10	0.029	02/09/18 13:36	
Endrin ketone	ug/L	<0.025	0.10	0.025	02/09/18 13:36	
gamma-BHC (Lindane)	ug/L	<0.0080	0.010	0.0080	02/09/18 13:36	
gamma-Chlordane	ug/L	<0.034	0.10	0.034	02/09/18 13:36	
Heptachlor	ug/L	<0.0050	0.010	0.0050	02/09/18 13:36	
Heptachlor epoxide	ug/L	<0.0070	0.010	0.0070	02/09/18 13:36	
Methoxychlor	ug/L	<0.0060	0.010	0.0060	02/09/18 13:36	
Toxaphene	ug/L	<0.61	1.5	0.61	02/09/18 13:36	
Decachlorobiphenyl (S)	%.	51	12-162		02/09/18 13:36	
Tetrachloro-m-xylene (S)	%.	60	54-127		02/09/18 13:36	

LABORATORY CONTROL SAMPLE: 406237

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	1	1.0	100	68-149	
4,4'-DDE	ug/L	1	0.84	84	70-135	
4,4'-DDT	ug/L	1	0.93	93	30-174	
Aldrin	ug/L	1	0.75	75	60-137	
alpha-BHC	ug/L	1	0.95	95	73-136	
alpha-Chlordane	ug/L	1	0.88	88	24-176	
beta-BHC	ug/L	1	0.85	85	50-174	
delta-BHC	ug/L	1	0.89	89	18-200	
Dieldrin	ug/L	1	0.88	88	62-148	
Endosulfan I	ug/L	1	0.87	87	38-171	
Endosulfan II	ug/L	1	0.93	93	36-178	
Endosulfan sulfate	ug/L	1	0.88	88	64-131	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

LABORATORY CONTROL SAMPLE: 406237

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin	ug/L	1	0.96	96	56-152	
Endrin aldehyde	ug/L	1	0.85	85	52-162	
Endrin ketone	ug/L	1	1.1	106	22-187	
gamma-BHC (Lindane)	ug/L	1	0.92	92	70-135	
gamma-Chlordane	ug/L	1	0.90	90	52-155	
Heptachlor	ug/L	1	0.75	75	59-139	
Heptachlor epoxide	ug/L	1	0.86	86	65-138	
Methoxychlor	ug/L	1	0.93	93	39-160	
Decachlorobiphenyl (S)	%.			53	12-162	
Tetrachloro-m-xylene (S)	%.			58	54-127	

MATRIX SPIKE SAMPLE: 406238

Parameter	Units	60262738009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	<0.0050	1	0.94	94	24-177	
4,4'-DDE	ug/L	<0.0070	1	0.73	73	22-161	
4,4'-DDT	ug/L	<0.0070	1	0.64	64	10-180	
Aldrin	ug/L	<0.0070	1	0.65	65	10-156	
alpha-BHC	ug/L	<0.0060	1	0.94	94	71-143	
alpha-Chlordane	ug/L	<0.024	1	0.79	79	15-174	
beta-BHC	ug/L	<0.010	1	0.82	82	72-149	
delta-BHC	ug/L	<0.0090	1	0.90	90	44-151	
Dieldrin	ug/L	<0.0060	1	0.86	86	33-166	
Endosulfan I	ug/L	<0.021	1	0.78	78	27-167	
Endosulfan II	ug/L	<0.0090	1	0.83	83	37-173	
Endosulfan sulfate	ug/L	<0.0070	1	0.77	77	33-167	
Endrin	ug/L	<0.0070	1	0.92	92	39-173	
Endrin aldehyde	ug/L	<0.029	1	0.84	84	14-180	
Endrin ketone	ug/L	<0.025	1	0.98	98	29-180	
gamma-BHC (Lindane)	ug/L	0.011	1	0.91	90	69-139	
gamma-Chlordane	ug/L	<0.034	1	0.82	82	20-166	
Heptachlor	ug/L	<0.0050	1	0.70	70	48-141	
Heptachlor epoxide	ug/L	<0.0070	1	0.85	85	28-164	
Methoxychlor	ug/L	<0.0060	1	0.75	75	20-178	
Decachlorobiphenyl (S)	%.				39	12-162	
Tetrachloro-m-xylene (S)	%.				58	54-127	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 91581 Analysis Method: EPA 8141A
QC Batch Method: EPA 3546 Analysis Description: Organophos Pests in soil by 8141
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004, 60262738005, 60262738006, 60262738007, 60262738008

METHOD BLANK: 405989 Matrix: Solid
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004, 60262738005, 60262738006, 60262738007, 60262738008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Azinphos, methyl (Guthion)	ug/kg	<3.3	6.7	3.3	02/05/18 17:09	
Bolstar	ug/kg	<3.3	6.7	3.3	02/05/18 17:09	
Chlorpyrifos	ug/kg	<3.3	6.7	3.3	02/05/18 17:09	
Coumaphos	ug/kg	<3.3	6.7	3.3	02/05/18 17:09	
Demeton-O	ug/kg	<2.7	3.3	2.7	02/05/18 17:09	
Demeton-S	ug/kg	<0.83	1.7	0.83	02/05/18 17:09	
Diazinon	ug/kg	<3.3	6.7	3.3	02/05/18 17:09	
Dichlorvos	ug/kg	<1.7	3.3	1.7	02/05/18 17:09	
Dimethoate	ug/kg	<3.3	6.7	3.3	02/05/18 17:09	
Disulfoton	ug/kg	<1.7	3.3	1.7	02/05/18 17:09	
EPN (ENT)	ug/kg	<2.1	3.3	2.1	02/05/18 17:09	
Ethoprop	ug/kg	<1.7	3.3	1.7	02/05/18 17:09	
Fensulfothion	ug/kg	<3.3	6.7	3.3	02/05/18 17:09	
Fenthion	ug/kg	<1.7	3.3	1.7	02/05/18 17:09	
Malathion	ug/kg	<3.3	6.7	3.3	02/05/18 17:09	
Merphos	ug/kg	<3.3	6.7	3.3	02/05/18 17:09	
Merphos-Oxone	ug/kg	<3.3	6.7	3.3	02/05/18 17:09	N2
Methyl parathion	ug/kg	<1.7	3.3	1.7	02/05/18 17:09	
Mevinphos	ug/kg	<2.0	3.3	2.0	02/05/18 17:09	
Parathion (Ethyl parathion)	ug/kg	<3.3	6.7	3.3	02/05/18 17:09	
Phorate	ug/kg	<1.7	3.3	1.7	02/05/18 17:09	
Ronnel	ug/kg	<1.7	3.3	1.7	02/05/18 17:09	
Stirophos (Tetrachlorvinphos)	ug/kg	<3.3	6.7	3.3	02/05/18 17:09	
Sulfotep (Thiodiphosphoric Ac	ug/kg	<1.7	3.3	1.7	02/05/18 17:09	
Tokuthion (Prothiofos)	ug/kg	<1.7	3.3	1.7	02/05/18 17:09	
Total Demeton	ug/kg	<2.7	3.3	2.7	02/05/18 17:09	N2
Total Merphos	ug/kg	<3.3	13.3	3.3	02/05/18 17:09	N2
Trichloronate	ug/kg	<3.3	6.7	3.3	02/05/18 17:09	
Tributylphosphate (S)	%.	122	17-125		02/05/18 17:09	
Triphenylphosphate (S)	%.	99	11-137		02/05/18 17:09	

LABORATORY CONTROL SAMPLE: 405990

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Azinphos, methyl (Guthion)	ug/kg	8.3	7.9	95	45-142	
Bolstar	ug/kg	8.3	6.9	83	58-97	
Chlorpyrifos	ug/kg	8.3	6.4	77	58-97	
Coumaphos	ug/kg	8.3	8.4	101	59-123	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

LABORATORY CONTROL SAMPLE: 405990

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Demeton-O	ug/kg	4.2	2.8	68	35-111	
Demeton-S	ug/kg	4.2	3.0	72	38-100	
Diazinon	ug/kg	8.3	6.7	81	51-100	
Dichlorvos	ug/kg	8.3	6.0	72	40-117	
Dimethoate	ug/kg	8.3	6.7	80	32-130	
Disulfoton	ug/kg	8.3	5.9	71	32-108	
EPN (ENT)	ug/kg	8.3	7.4	89	51-117	
Ethoprop	ug/kg	8.3	7.1	86	49-108	
Fensulfothion	ug/kg	8.3	8.4	101	47-148	
Fenthion	ug/kg	8.3	7.0	84	58-111	
Malathion	ug/kg	8.3	7.0	85	55-112	
Merphos	ug/kg	8.3	<0.33	0	10-200	L2
Merphos-Oxone	ug/kg		5.8			N2
Methyl parathion	ug/kg	8.3	6.9	83	49-113	
Mevinphos	ug/kg	8.3	6.8	81	43-121	
Parathion (Ethyl parathion)	ug/kg	8.3	6.7	81	50-114	
Phorate	ug/kg	8.3	6.4	77	42-108	
Ronnel	ug/kg	8.3	6.5	78	54-106	
Stirophos (Tetrachlorvinphos)	ug/kg	8.3	7.2	87	54-115	
Sulfotep (Thiodiphosphoric Ac	ug/kg	8.3	6.6	80	46-108	
Tokuthion (Prothiofos)	ug/kg	8.3	7.1	85	59-104	
Total Demeton	ug/kg	8.3	5.8	70	32-106	N2
Total Merphos	ug/kg	8.3	5.8	70	10-144	N2
Trichloronate	ug/kg	8.3	6.7	81	59-100	
Tributylphosphate (S)	%.			84	17-125	
Triphenylphosphate (S)	%.			87	11-137	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 405991 405992

Parameter	Units	60262738002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Azinphos, methyl (Guthion)	ug/kg	<6.3	15.9	15.7	14.2	13.4	90	85	20-146	6	40	
Bolstar	ug/kg	<6.3	15.9	15.7	12.1	11.3	76	72	13-120	7	40	
Chlorpyrifos	ug/kg	<6.3	15.9	15.7	10.9	10.5	69	67	10-147	4	40	
Coumaphos	ug/kg	<6.3	15.9	15.7	14.6	13.5	92	86	28-126	8	40	
Demeton-O	ug/kg	<5.2	7.87	7.87	4.1	4.4	51	57	10-140	9	40	
Demeton-S	ug/kg	<1.6	7.87	7.87	5.2	4.9	65	63	10-115	4	40	
Diazinon	ug/kg	<6.3	15.9	15.7	11.3	10.6	71	67	10-136	6	40	
Dichlorvos	ug/kg	<3.2	15.9	15.7	10.5	9.8	66	63	10-135	6	40	
Dimethoate	ug/kg	<6.3	15.9	15.7	11.1	11.1	57	58	10-133	0	40	
Disulfoton	ug/kg	<3.2	15.9	15.7	10.1	9.7	64	62	10-130	4	40	
EPN (ENT)	ug/kg	<4.0	15.9	15.7	12.7	12.4	80	79	10-133	3	40	
Ethoprop	ug/kg	<3.2	15.9	15.7	12.0	11.8	76	75	15-119	2	40	
Fensulfothion	ug/kg	<6.3	15.9	15.7	14.4	14.1	91	90	16-143	2	40	
Fenthion	ug/kg	<3.2	15.9	15.7	12.5	11.6	72	67	14-133	7	40	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 405991 405992

Parameter	Units	60262738002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Malathion	ug/kg	<6.3	15.9	15.7	12.1	11.5	76	73	31-112	5	40	
Merphos	ug/kg	<6.3	15.9	15.7	<0.63	<0.63	0	0	10-200		40	M0
Merphos-Oxone	ug/kg	<6.3			12.8	12.2				4		N2
Methyl parathion	ug/kg	<3.2	15.9	15.7	12.1	11.5	76	73	10-147	5	40	
Mevinphos	ug/kg	<3.7	15.9	15.7	11.5	11.5	73	73	10-136	0	40	
Parathion (Ethyl parathion)	ug/kg	<6.3	15.9	15.7	11.7	11.5	70	70	10-142	2	40	
Phorate	ug/kg	<3.2	15.9	15.7	11.1	10.8	70	69	10-130	2	40	
Ronnel	ug/kg	<3.2	15.9	15.7	11.2	10.8	71	69	13-125	4	40	
Stirophos (Tetrachlorvinphos)	ug/kg	<6.3	15.9	15.7	12.3	11.9	77	76	16-136	3	40	
Sulfotep (Thiodiphosphoric Ac	ug/kg	<3.2	15.9	15.7	11.4	11.0	72	70	10-122	4	40	
Tokuthion (Prothiofos)	ug/kg	<3.2	15.9	15.7	12.1	11.5	76	73	10-125	5	40	
Total Demeton	ug/kg	<5.2	15.9	15.7	9.2	9.4	58	60	10-119	2	40	N2
Total Merphos	ug/kg	<6.3	15.9	15.7	12.8	12.2	80	78	10-122	4	40	N2
Trichloronate	ug/kg	<6.3	15.9	15.7	11.6	11.0	73	70	13-120	5	40	
Tributylphosphate (S)	%.						68	66	17-125			
Triphenylphosphate (S)	%.						76	73	11-137			

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 91635 Analysis Method: EPA 8141A
QC Batch Method: EPA 3510 Analysis Description: 8141 GCS, O/P Pesticides
Associated Lab Samples: 60262738009, 60262738010, 60262738011

METHOD BLANK: 406239 Matrix: Water
Associated Lab Samples: 60262738009, 60262738010, 60262738011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Azinphos, methyl (Guthion)	ug/L	<0.093	0.10	0.093	02/05/18 17:36	
Bolstar	ug/L	<0.090	0.10	0.090	02/05/18 17:36	
Chlorpyrifos	ug/L	<0.067	0.10	0.067	02/05/18 17:36	
Coumaphos	ug/L	<0.092	0.10	0.092	02/05/18 17:36	
Diazinon	ug/L	<0.078	0.10	0.078	02/05/18 17:36	
Dichlorvos	ug/L	<0.073	0.10	0.073	02/05/18 17:36	
Dimethoate	ug/L	<0.083	0.10	0.083	02/05/18 17:36	
Disulfoton	ug/L	<0.071	0.10	0.071	02/05/18 17:36	
EPN (ENT)	ug/L	<0.087	0.10	0.087	02/05/18 17:36	
Ethoprop	ug/L	<0.059	0.10	0.059	02/05/18 17:36	
Fensulfothion	ug/L	<0.087	0.10	0.087	02/05/18 17:36	
Fenthion	ug/L	<0.088	0.10	0.088	02/05/18 17:36	
Malathion	ug/L	<0.086	0.10	0.086	02/05/18 17:36	
Methyl parathion	ug/L	<0.070	0.10	0.070	02/05/18 17:36	
Mevinphos	ug/L	<0.065	0.10	0.065	02/05/18 17:36	
Parathion (Ethyl parathion)	ug/L	<0.060	0.10	0.060	02/05/18 17:36	
Phorate	ug/L	<0.064	0.10	0.064	02/05/18 17:36	
Ronnel	ug/L	<0.088	0.10	0.088	02/05/18 17:36	
Stirophos (Tetrachlorvinphos)	ug/L	<0.072	0.10	0.072	02/05/18 17:36	
Sulfotep (Thiodiphosphoric Ac	ug/L	<0.061	0.10	0.061	02/05/18 17:36	
Tokuthion (Prothiofos)	ug/L	<0.081	0.10	0.081	02/05/18 17:36	
Total Demeton	ug/L	<0.083	0.10	0.083	02/05/18 17:36	
Total Merphos	ug/L	<0.038	0.10	0.038	02/05/18 17:36	
Trichloronate	ug/L	<0.087	0.10	0.087	02/05/18 17:36	
Tributylphosphate (S)	%.	113	20-150		02/05/18 17:36	
Triphenylphosphate (S)	%.	105	10-175		02/05/18 17:36	

LABORATORY CONTROL SAMPLE: 406240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Azinphos, methyl (Guthion)	ug/L	.25	0.25	101	32-136	
Bolstar	ug/L	.25	0.21	83	45-115	
Chlorpyrifos	ug/L	.25	0.20	78	44-113	
Coumaphos	ug/L	.25	0.25	101	42-135	
Diazinon	ug/L	.25	0.21	85	35-117	
Dichlorvos	ug/L	.25	0.21	83	24-129	
Dimethoate	ug/L	.25	0.18	71	43-120	
Disulfoton	ug/L	.25	0.18	71	34-111	
EPN (ENT)	ug/L	.25	0.23	91	34-133	
Ethoprop	ug/L	.25	0.23	93	42-113	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

LABORATORY CONTROL SAMPLE: 406240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fensulfothion	ug/L	.25	0.25	100	37-153	
Fenthion	ug/L	.25	0.21	84	43-128	
Malathion	ug/L	.25	0.22	88	42-125	
Methyl parathion	ug/L	.25	0.22	88	41-127	
Mevinphos	ug/L	.25	0.22	87	16-142	
Parathion (Ethyl parathion)	ug/L	.25	0.21	85	42-118	
Phorate	ug/L	.25	0.20	80	42-122	
Ronnel	ug/L	.25	0.21	85	45-116	
Stirophos (Tetrachlorvinphos)	ug/L	.25	0.23	91	40-131	
Sulfotep (Thiodiphosphoric Ac	ug/L	.25	0.21	85	42-111	
Tokuthion (Prothiofos)	ug/L	.25	0.21	85	42-118	
Total Demeton	ug/L	.25	0.11	44	19-126	
Total Merphos	ug/L	.25	0.25	102	10-143	
Trichloronate	ug/L	.25	0.21	82	43-116	
Tributylphosphate (S)	%.			82	20-150	
Triphenylphosphate (S)	%.			91	10-175	

MATRIX SPIKE SAMPLE: 406241

Parameter	Units	60262738011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Azinphos, methyl (Guthion)	ug/L	<0.093	.25	0.24	98	40-140	
Bolstar	ug/L	<0.090	.25	0.17	70	40-140	
Chlorpyrifos	ug/L	<0.067	.25	0.16	66	40-140	
Coumaphos	ug/L	<0.092	.25	0.24	95	40-140	
Diazinon	ug/L	<0.078	.25	0.16	64	40-140	
Dichlorvos	ug/L	<0.073	.25	0.17	67	40-140	
Dimethoate	ug/L	<0.083	.25	0.17	50	40-140	
Disulfoton	ug/L	<0.071	.25	0.21	84	10-140	
EPN (ENT)	ug/L	<0.087	.25	0.20	81	40-140	
Ethoprop	ug/L	<0.059	.25	0.22	88	40-140	
Fensulfothion	ug/L	<0.087	.25	0.25	99	40-140	
Fenthion	ug/L	<0.088	.25	0.21	86	40-140	
Malathion	ug/L	<0.086	.25	0.23	91	40-140	
Methyl parathion	ug/L	<0.070	.25	0.19	77	40-140	
Mevinphos	ug/L	<0.065	.25	0.19	75	40-140	
Parathion (Ethyl parathion)	ug/L	<0.060	.25	0.20	82	40-140	
Phorate	ug/L	<0.064	.25	0.18	72	40-140	
Ronnel	ug/L	<0.088	.25	0.17	67	40-140	
Stirophos (Tetrachlorvinphos)	ug/L	<0.072	.25	0.21	82	40-140	
Sulfotep (Thiodiphosphoric Ac	ug/L	<0.061	.25	0.18	74	40-140	
Tokuthion (Prothiofos)	ug/L	<0.081	.25	0.16	66	40-140	
Total Demeton	ug/L	<0.083	.25	0.12	48	10-140	
Total Merphos	ug/L	<0.038	.25	0.19	75	10-140	
Trichloronate	ug/L	<0.087	.25	0.17	67	40-140	
Tributylphosphate (S)	%.				72	20-150	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

MATRIX SPIKE SAMPLE: 406241

Parameter	Units	60262738011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Triphenylphosphate (S)	%.				87	10-175	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 91836 Analysis Method: EPA 8151
QC Batch Method: EPA 3546 Analysis Description: 8151 GCS Herbicides
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004

METHOD BLANK: 407187 Matrix: Solid
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2,4,5-T	ug/kg	<1.6	1.6	1.6	02/06/18 14:40	
2,4,5-TP (Silvex)	ug/kg	<1.6	1.6	1.6	02/06/18 14:40	
2,4-D	ug/kg	<1.6	1.6	1.6	02/06/18 14:40	
2,4-DB	ug/kg	<1.6	1.6	1.6	02/06/18 14:40	
Dalapon	ug/kg	<1.6	1.6	1.6	02/06/18 14:40	
Dicamba	ug/kg	<1.6	1.6	1.6	02/06/18 14:40	
Dichloroprop	ug/kg	<1.6	1.6	1.6	02/06/18 14:40	
Dinoseb	ug/kg	<1.6	1.6	1.6	02/06/18 14:40	3e
MCPA	ug/kg	<165	165	165	02/06/18 14:40	
MCPP	ug/kg	<165	165	165	02/06/18 14:40	
2,4-DCAA (S)	%.	47	10-188		02/06/18 14:40	

LABORATORY CONTROL SAMPLE: 407188

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/kg	66.2	59.4	90	61-151	
2,4,5-TP (Silvex)	ug/kg	66.2	56.2	85	58-135	
2,4-D	ug/kg	66.2	51.7	78	15-155	
2,4-DB	ug/kg	66.2	37.8	57	26-159	
Dalapon	ug/kg	66.2	20.4	31	10-172	
Dicamba	ug/kg	66.2	53.5	81	55-111	
Dichloroprop	ug/kg	66.2	60.4	91	28-167	
Dinoseb	ug/kg	66.2	98.9	149	28-200	3e
MCPA	ug/kg	6620	6410	97	26-131	
MCPP	ug/kg	6620	8390	127	10-158	
2,4-DCAA (S)	%.			64	10-188	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 407189 407190

Parameter	Units	35370224001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4,5-T	ug/kg	0.026U mg/kg	141	140	87.6	87.5	62	63	10-146	0	40	
2,4,5-TP (Silvex)	ug/kg	0.026U mg/kg	141	140	108	101	76	72	10-139	7	40	
2,4-D	ug/kg	0.026U mg/kg	141	140	84.8	74.2	60	53	10-166	13	40	
2,4-DB	ug/kg	0.026U mg/kg	141	140	90.2	76.7	64	55	10-200	16	40	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 407189 407190

Parameter	Units	35370224001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dalapon	ug/kg	0.026U mg/kg	141	140	62.3	66.6	44	48	10-154	7	40	
Dicamba	ug/kg	0.026U mg/kg	141	140	91.4	76.9	64	55	10-140	17	40	
Dichloroprop	ug/kg	0.026U mg/kg	141	140	116	118	82	84	10-194	2	40	
Dinoseb	ug/kg	0.026U mg/kg	141	140	238	163	168	116	10-200	38	40	3e
MCPA	ug/kg	2.6U mg/kg	14100	14000	6400	8080	45	58	10-200	23	40	
MCPP	ug/kg	2.6U mg/kg	14100	14000	17100	12000	120	86	10-175	35	40	
2,4-DCAA (S)	%.						84	81	10-188			

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 91886 Analysis Method: EPA 8151
QC Batch Method: EPA 3546 Analysis Description: 8151 GCS Herbicides
Associated Lab Samples: 60262738005, 60262738006, 60262738007, 60262738008

METHOD BLANK: 407446 Matrix: Solid
Associated Lab Samples: 60262738005, 60262738006, 60262738007, 60262738008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2,4,5-T	ug/kg	<1.7	1.7	1.7	02/07/18 13:25	
2,4,5-TP (Silvex)	ug/kg	<1.7	1.7	1.7	02/07/18 13:25	
2,4-D	ug/kg	<1.7	1.7	1.7	02/07/18 13:25	
2,4-DB	ug/kg	<1.7	1.7	1.7	02/07/18 13:25	
Dalapon	ug/kg	<1.7	1.7	1.7	02/07/18 13:25	
Dicamba	ug/kg	<1.7	1.7	1.7	02/07/18 13:25	
Dichloroprop	ug/kg	<1.7	1.7	1.7	02/07/18 13:25	
Dinoseb	ug/kg	<1.7	1.7	1.7	02/07/18 13:25	
MCPA	ug/kg	<165	165	165	02/07/18 13:25	
MCPP	ug/kg	<165	165	165	02/07/18 13:25	
2,4-DCAA (S)	%.	34	10-188		02/07/18 13:25	

LABORATORY CONTROL SAMPLE: 407447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/kg	66.5	52.4	79	61-151	
2,4,5-TP (Silvex)	ug/kg	66.5	43.1	65	58-135	
2,4-D	ug/kg	66.5	48.7	73	15-155	
2,4-DB	ug/kg	66.5	45.3	68	26-159	
Dalapon	ug/kg	66.5	18.4	28	10-172	
Dicamba	ug/kg	66.5	50.9	77	55-111	
Dichloroprop	ug/kg	66.5	49.7	75	28-167	
Dinoseb	ug/kg	66.5	69.0	104	28-200	
MCPA	ug/kg	6650	5710	86	26-131	
MCPP	ug/kg	6650	6850	103	10-158	
2,4-DCAA (S)	%.			46	10-188	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 407448 407449

Parameter	Units	60262738005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4,5-T	ug/kg	<3.2	128	128	49.1	44.7	38	35	10-146	9	40	
2,4,5-TP (Silvex)	ug/kg	<3.2	128	128	46.3	69.2	36	54	10-139	40	40	
2,4-D	ug/kg	<3.2	128	128	38.0	30.9	30	24	10-166	21	40	
2,4-DB	ug/kg	<3.2	128	128	71.2	91.8	56	72	10-200	25	40	
Dalapon	ug/kg	<3.2	128	128	5.8	5.4	5	4	10-154	7	40	M1
Dicamba	ug/kg	<3.2	128	128	3.5	6.4	3	5	10-140	58	40	M1,R1
Dichloroprop	ug/kg	<3.2	128	128	28.5	21.8	22	17	10-194	27	40	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 407448 407449

Parameter	Units	60262738005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dinoseb	ug/kg	<3.2	128	128	5.4	17.0	4	13	10-200	104	40	M1,R1
MCPA	ug/kg	<318	12800	12800	5030	3360	39	26	10-200	40	40	
MCPP	ug/kg	<318	12800	12800	2180	1180	17	9	10-175	60	40	M1,R1
2,4-DCAA (S)	%.						12	10	10-188			

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 91466 Analysis Method: EPA 8151
QC Batch Method: EPA 8151 Analysis Description: 8151A GCS Herbicides
Associated Lab Samples: 60262738009, 60262738010, 60262738011

METHOD BLANK: 405532 Matrix: Water
Associated Lab Samples: 60262738009, 60262738010, 60262738011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
2,4,5-T	ug/L	<0.25	0.50	0.25	02/01/18 11:19	
2,4,5-TP (Silvex)	ug/L	<0.25	0.50	0.25	02/01/18 11:19	
2,4-D	ug/L	<0.25	0.50	0.25	02/01/18 11:19	
2,4-DB	ug/L	<0.34	0.50	0.34	02/01/18 11:19	
Dalapon	ug/L	<0.25	0.50	0.25	02/01/18 11:19	
Dicamba	ug/L	<0.25	0.50	0.25	02/01/18 11:19	
Dichloroprop	ug/L	<0.29	0.50	0.29	02/01/18 11:19	
Dinoseb	ug/L	<0.50	0.50	0.50	02/01/18 11:19	
MCPA	ug/L	<20.0	20.0	20.0	02/01/18 11:19	
MCPP	ug/L	<20.0	20.0	20.0	02/01/18 11:19	
2,4-DCAA (S)	%.	116	47-166		02/01/18 11:19	

LABORATORY CONTROL SAMPLE: 405533

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/L	2	2.1	105	61-151	
2,4,5-TP (Silvex)	ug/L	2	2.0	99	58-135	
2,4-D	ug/L	2	2.0	99	52-152	
2,4-DB	ug/L	2	2.4	118	50-156	
Dalapon	ug/L	2	1.0	51	10-167	
Dicamba	ug/L	2	1.8	89	49-128	
Dichloroprop	ug/L	2	1.7	85	59-143	
Dinoseb	ug/L	2	2.5	126	33-200	
MCPA	ug/L	200	160	80	45-148	
MCPP	ug/L	200	214	107	63-149	
2,4-DCAA (S)	%.			114	47-166	

MATRIX SPIKE SAMPLE: 405534

Parameter	Units	60262572010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/L	<0.25	2	2.1	104	65-153	
2,4,5-TP (Silvex)	ug/L	<0.25	2	1.9	95	10-179	
2,4-D	ug/L	3.7	2	3.9	7	10-200	M1
2,4-DB	ug/L	<0.34	2	2.3	113	68-171	
Dalapon	ug/L	<0.25	2	0.91	46	10-156	
Dicamba	ug/L	<0.25	2	1.8	88	68-151	
Dichloroprop	ug/L	4.0	2	3.6	-23	85-151	M1
Dinoseb	ug/L	<0.50	2	2.7	133	83-152	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

MATRIX SPIKE SAMPLE: 405534

Parameter	Units	60262572010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
MCPA	ug/L	<20.0	200	160	80	54-160	
MCPP	ug/L	<20.0	200	230	115	10-200	
2,4-DCAA (S)	%.				119	47-166	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 511957 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004, 60262738005, 60262738006, 60262738007, 60262738008

METHOD BLANK: 2096160 Matrix: Solid
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004, 60262738005, 60262738006, 60262738007, 60262738008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	<29.6	326	29.6	01/30/18 18:16	
1,2-Dichlorobenzene	ug/kg	<24.7	326	24.7	01/30/18 18:16	
1,3-Dichlorobenzene	ug/kg	<27.6	326	27.6	01/30/18 18:16	
1,4-Dichlorobenzene	ug/kg	<28.6	326	28.6	01/30/18 18:16	
2,4,5-Trichlorophenol	ug/kg	<29.6	326	29.6	01/30/18 18:16	
2,4,6-Trichlorophenol	ug/kg	<30.6	326	30.6	01/30/18 18:16	
2,4-Dichlorophenol	ug/kg	<29.6	326	29.6	01/30/18 18:16	
2,4-Dimethylphenol	ug/kg	<17.8	326	17.8	01/30/18 18:16	
2,4-Dinitrophenol	ug/kg	<47.4	1650	47.4	01/30/18 18:16	
2,4-Dinitrotoluene	ug/kg	<27.6	326	27.6	01/30/18 18:16	
2,6-Dinitrotoluene	ug/kg	<33.6	326	33.6	01/30/18 18:16	
2-Chloronaphthalene	ug/kg	<27.6	326	27.6	01/30/18 18:16	
2-Chlorophenol	ug/kg	<26.6	326	26.6	01/30/18 18:16	
2-Methylnaphthalene	ug/kg	<23.7	326	23.7	01/30/18 18:16	
2-Methylphenol(o-Cresol)	ug/kg	<30.6	326	30.6	01/30/18 18:16	
2-Nitroaniline	ug/kg	<55.3	651	55.3	01/30/18 18:16	
2-Nitrophenol	ug/kg	<45.4	326	45.4	01/30/18 18:16	
3&4-Methylphenol(m&p Cresol)	ug/kg	<35.5	326	35.5	01/30/18 18:16	
3,3'-Dichlorobenzidine	ug/kg	<112	651	112	01/30/18 18:16	
3-Nitroaniline	ug/kg	<98.7	651	98.7	01/30/18 18:16	
4,6-Dinitro-2-methylphenol	ug/kg	<43.4	1650	43.4	01/30/18 18:16	
4-Bromophenylphenyl ether	ug/kg	<25.7	326	25.7	01/30/18 18:16	
4-Chloro-3-methylphenol	ug/kg	<35.5	651	35.5	01/30/18 18:16	
4-Chloroaniline	ug/kg	<64.1	651	64.1	01/30/18 18:16	
4-Chlorophenylphenyl ether	ug/kg	<31.6	326	31.6	01/30/18 18:16	
4-Nitroaniline	ug/kg	<83.9	651	83.9	01/30/18 18:16	
4-Nitrophenol	ug/kg	<51.3	1650	51.3	01/30/18 18:16	
Acenaphthene	ug/kg	<34.5	326	34.5	01/30/18 18:16	
Acenaphthylene	ug/kg	<30.6	326	30.6	01/30/18 18:16	
Anthracene	ug/kg	<34.5	326	34.5	01/30/18 18:16	
Benzo(a)anthracene	ug/kg	<29.6	326	29.6	01/30/18 18:16	
Benzo(a)pyrene	ug/kg	<25.7	326	25.7	01/30/18 18:16	
Benzo(b)fluoranthene	ug/kg	<22.7	326	22.7	01/30/18 18:16	
Benzo(g,h,i)perylene	ug/kg	<31.6	326	31.6	01/30/18 18:16	
Benzo(k)fluoranthene	ug/kg	<38.5	326	38.5	01/30/18 18:16	
Benzoic acid	ug/kg	<30.6	1650	30.6	01/30/18 18:16	
Benzyl alcohol	ug/kg	<102	651	102	01/30/18 18:16	
bis(2-Chloroethoxy)methane	ug/kg	<25.7	326	25.7	01/30/18 18:16	
bis(2-Chloroethyl) ether	ug/kg	<25.7	326	25.7	01/30/18 18:16	
bis(2-Chloroisopropyl) ether	ug/kg	<25.7	326	25.7	01/30/18 18:16	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

METHOD BLANK: 2096160 Matrix: Solid
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004, 60262738005, 60262738006, 60262738007, 60262738008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/kg	<112	326	112	01/30/18 18:16	
Butylbenzylphthalate	ug/kg	<42.4	326	42.4	01/30/18 18:16	
Carbazole	ug/kg	<26.6	326	26.6	01/30/18 18:16	
Chrysene	ug/kg	<27.6	326	27.6	01/30/18 18:16	
Di-n-butylphthalate	ug/kg	<34.5	326	34.5	01/30/18 18:16	
Di-n-octylphthalate	ug/kg	<38.5	326	38.5	01/30/18 18:16	
Dibenz(a,h)anthracene	ug/kg	<29.6	326	29.6	01/30/18 18:16	
Dibenzofuran	ug/kg	<29.6	326	29.6	01/30/18 18:16	
Diethylphthalate	ug/kg	<30.6	326	30.6	01/30/18 18:16	
Dimethylphthalate	ug/kg	<31.6	326	31.6	01/30/18 18:16	
Fluoranthene	ug/kg	<30.6	326	30.6	01/30/18 18:16	
Fluorene	ug/kg	<30.6	326	30.6	01/30/18 18:16	
Hexachloro-1,3-butadiene	ug/kg	<32.6	326	32.6	01/30/18 18:16	
Hexachlorobenzene	ug/kg	<31.6	326	31.6	01/30/18 18:16	
Hexachlorocyclopentadiene	ug/kg	<69.1	326	69.1	01/30/18 18:16	
Hexachloroethane	ug/kg	<24.7	326	24.7	01/30/18 18:16	
Indeno(1,2,3-cd)pyrene	ug/kg	<35.5	326	35.5	01/30/18 18:16	
Isophorone	ug/kg	<29.6	326	29.6	01/30/18 18:16	
N-Nitroso-di-n-propylamine	ug/kg	<32.6	326	32.6	01/30/18 18:16	
N-Nitrosodiphenylamine	ug/kg	<25.7	326	25.7	01/30/18 18:16	
Naphthalene	ug/kg	<25.7	326	25.7	01/30/18 18:16	
Nitrobenzene	ug/kg	<30.6	326	30.6	01/30/18 18:16	
Pentachlorophenol	ug/kg	<30.6	1650	30.6	01/30/18 18:16	
Phenanthrene	ug/kg	<30.6	326	30.6	01/30/18 18:16	
Phenol	ug/kg	<25.7	326	25.7	01/30/18 18:16	
Pyrene	ug/kg	<32.6	326	32.6	01/30/18 18:16	
Pyridine	ug/kg	<26.6	326	26.6	01/30/18 18:16	
2,4,6-Tribromophenol (S)	%	89	39-114		01/30/18 18:16	
2-Fluorobiphenyl (S)	%	84	61-109		01/30/18 18:16	
2-Fluorophenol (S)	%	83	46-102		01/30/18 18:16	
Nitrobenzene-d5 (S)	%	78	41-114		01/30/18 18:16	
Phenol-d6 (S)	%	84	48-102		01/30/18 18:16	
Terphenyl-d14 (S)	%	87	48-120		01/30/18 18:16	

LABORATORY CONTROL SAMPLE: 2096161

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1660	1160	70	55-105	
1,2-Dichlorobenzene	ug/kg	1660	1110	67	55-100	
1,3-Dichlorobenzene	ug/kg	1660	1060	64	53-100	
1,4-Dichlorobenzene	ug/kg	1660	1090	66	54-100	
2,4,5-Trichlorophenol	ug/kg	1660	1340	81	55-113	
2,4,6-Trichlorophenol	ug/kg	1660	1280	77	56-111	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

LABORATORY CONTROL SAMPLE: 2096161

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dichlorophenol	ug/kg	1660	1230	74	58-108	
2,4-Dimethylphenol	ug/kg	1660	857	52	54-107	2e
2,4-Dinitrophenol	ug/kg	1660	1020J	62	11-133	
2,4-Dinitrotoluene	ug/kg	1660	1370	83	57-114	
2,6-Dinitrotoluene	ug/kg	1660	1360	82	56-113	
2-Chloronaphthalene	ug/kg	1660	1230	75	54-107	
2-Chlorophenol	ug/kg	1660	1170	71	57-104	
2-Methylnaphthalene	ug/kg	1660	1190	72	57-105	
2-Methylphenol(o-Cresol)	ug/kg	1660	1170	71	57-104	
2-Nitroaniline	ug/kg	1660	1340	81	46-124	
2-Nitrophenol	ug/kg	1660	1210	73	51-113	
3&4-Methylphenol(m&p Cresol)	ug/kg	1660	1200	72	57-105	
3,3'-Dichlorobenzidine	ug/kg	1660	1140	69	3-152	
3-Nitroaniline	ug/kg	1660	1230	74	29-122	
4,6-Dinitro-2-methylphenol	ug/kg	1660	1170J	71	22-125	
4-Bromophenylphenyl ether	ug/kg	1660	1300	78	57-110	
4-Chloro-3-methylphenol	ug/kg	1660	1300	79	61-108	
4-Chloroaniline	ug/kg	1660	970	59	10-112	
4-Chlorophenylphenyl ether	ug/kg	1660	1280	77	57-109	
4-Nitroaniline	ug/kg	1660	1350	81	47-117	
4-Nitrophenol	ug/kg	1660	1350J	81	53-118	
Acenaphthene	ug/kg	1660	1250	76	56-108	
Acenaphthylene	ug/kg	1660	1260	76	56-107	
Anthracene	ug/kg	1660	1330	81	58-111	
Benzo(a)anthracene	ug/kg	1660	1330	81	58-111	
Benzo(a)pyrene	ug/kg	1660	1370	83	58-109	
Benzo(b)fluoranthene	ug/kg	1660	1330	81	58-113	
Benzo(g,h,i)perylene	ug/kg	1660	1320	79	54-108	
Benzo(k)fluoranthene	ug/kg	1660	1410	85	56-111	
Benzoic acid	ug/kg	1660	821J	50	10-105	
Benzyl alcohol	ug/kg	1660	1230	74	58-106	
bis(2-Chloroethoxy)methane	ug/kg	1660	1170	70	56-104	
bis(2-Chloroethyl) ether	ug/kg	1660	1140	69	53-103	
bis(2-Chloroisopropyl) ether	ug/kg	1660	1120	67	55-102	
bis(2-Ethylhexyl)phthalate	ug/kg	1660	1390	84	58-117	
Butylbenzylphthalate	ug/kg	1660	1380	83	58-115	
Carbazole	ug/kg	1660	1360	82	58-112	
Chrysene	ug/kg	1660	1360	82	57-112	
Di-n-butylphthalate	ug/kg	1660	1390	84	61-112	
Di-n-octylphthalate	ug/kg	1660	1410	85	55-122	
Dibenz(a,h)anthracene	ug/kg	1660	1330	80	54-111	
Dibenzofuran	ug/kg	1660	1270	77	55-109	
Diethylphthalate	ug/kg	1660	1300	78	59-108	
Dimethylphthalate	ug/kg	1660	1280	78	58-106	
Fluoranthene	ug/kg	1660	1370	83	62-110	
Fluorene	ug/kg	1660	1280	77	57-109	
Hexachloro-1,3-butadiene	ug/kg	1660	1170	70	56-103	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

LABORATORY CONTROL SAMPLE: 2096161

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorobenzene	ug/kg	1660	1350	82	56-111	
Hexachlorocyclopentadiene	ug/kg	3310	1420	43	22-62	
Hexachloroethane	ug/kg	1660	1070	65	54-99	
Indeno(1,2,3-cd)pyrene	ug/kg	1660	1310	79	54-109	
Isophorone	ug/kg	1660	1180	71	57-100	
N-Nitroso-di-n-propylamine	ug/kg	1660	1180	71	57-98	
N-Nitrosodiphenylamine	ug/kg	1660	1320	80	58-109	
Naphthalene	ug/kg	1660	1170	71	56-104	
Nitrobenzene	ug/kg	1660	1170	71	57-104	
Pentachlorophenol	ug/kg	1660	1470J	89	46-118	
Phenanthrene	ug/kg	1660	1330	80	57-111	
Phenol	ug/kg	1660	1190	72	55-105	
Pyrene	ug/kg	1660	1330	80	58-112	
Pyridine	ug/kg	1660	701	42	41-71	
2,4,6-Tribromophenol (S)	%			90	39-114	
2-Fluorobiphenyl (S)	%			77	61-109	
2-Fluorophenol (S)	%			73	46-102	
Nitrobenzene-d5 (S)	%			70	41-114	
Phenol-d6 (S)	%			77	48-102	
Terphenyl-d14 (S)	%			86	48-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2096162 2096163

Parameter	Units	60262738001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	<35.8	2000	1980	1590	1740	79	88	49-100	9	26	
1,2-Dichlorobenzene	ug/kg	<29.8	2000	1980	1520	1700	76	86	48-98	11	26	
1,3-Dichlorobenzene	ug/kg	<33.4	2000	1980	1480	1640	74	83	48-95	10	26	
1,4-Dichlorobenzene	ug/kg	<34.6	2000	1980	1500	1660	75	84	48-96	10	26	
2,4,5-Trichlorophenol	ug/kg	<35.8	2000	1980	1610	1540	80	78	51-111	4	27	
2,4,6-Trichlorophenol	ug/kg	<37.0	2000	1980	1350	1130	67	57	44-112	17	29	
2,4-Dichlorophenol	ug/kg	<35.8	2000	1980	1570	1600	79	81	51-105	1	27	
2,4-Dimethylphenol	ug/kg	<21.5	2000	1980	1450	1620	73	82	18-118	11	34	
2,4-Dinitrophenol	ug/kg	<57.2	2000	1980	615J	578J	31	29	10-131		12	
2,4-Dinitrotoluene	ug/kg	<33.4	2000	1980	1770	1960	88	99	25-132	10	27	
2,6-Dinitrotoluene	ug/kg	<40.5	2000	1980	1730	1940	87	98	31-125	11	27	
2-Chloronaphthalene	ug/kg	<33.4	2000	1980	1650	1830	82	92	47-106	10	29	
2-Chlorophenol	ug/kg	<32.2	2000	1980	1530	1580	76	80	47-103	3	28	
2-Methylnaphthalene	ug/kg	<28.6	2000	1980	1570	1740	78	88	48-105	10	29	
2-Methylphenol(o-Cresol)	ug/kg	<37.0	2000	1980	1530	1700	77	86	40-105	10	28	
2-Nitroaniline	ug/kg	<66.8	2000	1980	1770	1980	89	100	38-130	11	27	
2-Nitrophenol	ug/kg	<54.8	2000	1980	1300	1030	65	52	22-129	23	29	
3&4-Methylphenol(m&p Cresol)	ug/kg	<42.9	2000	1980	1560	1710	78	86	37-110	9	27	
3,3'-Dichlorobenzidine	ug/kg	<135	2000	1980	1050	1410	53	71	10-138	29	38	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2096162 2096163

Parameter	Units	60262738001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
3-Nitroaniline	ug/kg	<119	2000	1980	1630	1880	81	95	23-126	14	32	
4,6-Dinitro-2-methylphenol	ug/kg	<52.5	2000	1980	811J	785J	41	40	10-139		67	
4-Bromophenylphenyl ether	ug/kg	<31.0	2000	1980	1690	1900	84	96	51-108	12	28	
4-Chloro-3-methylphenol	ug/kg	<42.9	2000	1980	1680	1880	84	95	50-108	11	30	
4-Chloroaniline	ug/kg	<77.5	2000	1980	1170	1190	59	60	17-91	1	32	
4-Chlorophenylphenyl ether	ug/kg	<38.1	2000	1980	1670	1860	84	94	48-107	11	27	
4-Nitroaniline	ug/kg	<101	2000	1980	1480	1760	74	89	20-122	18	28	
4-Nitrophenol	ug/kg	<62.0	2000	1980	1360J	980J	68	49	47-113		26	
Acenaphthene	ug/kg	135J	2000	1980	1650	1860	76	87	43-112	12	27	
Acenaphthylene	ug/kg	<37.0	2000	1980	1650	1850	82	93	45-108	12	27	
Anthracene	ug/kg	257J	2000	1980	1710	1930	73	84	39-118	12	27	
Benzo(a)anthracene	ug/kg	653	2000	1980	1820	2170	58	77	43-112	18	29	
Benzo(a)pyrene	ug/kg	621	2000	1980	1800	2090	59	74	39-112	15	30	
Benzo(b)fluoranthene	ug/kg	1120	2000	1980	1750	2250	31	57	41-114	25	33	M1
Benzo(g,h,i)perylene	ug/kg	397	2000	1980	1620	1920	61	77	30-111	17	31	
Benzo(k)fluoranthene	ug/kg	<46.5	2000	1980	1860	1990	93	100	33-120	7	28	
Benzoic acid	ug/kg	<37.0	2000	1980	158J	194J	8	10	10-126		17	M1
Benzyl alcohol	ug/kg	<123	2000	1980	1600	1750	80	88	50-109	9	27	
bis(2-Chloroethoxy)methane	ug/kg	<31.0	2000	1980	1550	1720	78	87	48-101	10	27	
bis(2-Chloroethyl) ether	ug/kg	<31.0	2000	1980	1580	1730	79	88	47-102	9	26	
bis(2-Chloroisopropyl) ether	ug/kg	<31.0	2000	1980	1520	1640	76	83	44-103	8	25	
bis(2-Ethylhexyl)phthalate	ug/kg	<136	2000	1980	1850	2080	92	105	41-132	12	25	
Butylbenzylphthalate	ug/kg	<51.3	2000	1980	1830	2070	92	105	42-133	12	26	
Carbazole	ug/kg	98.0J	2000	1980	1670	1890	79	91	45-110	12	25	
Chrysene	ug/kg	673	2000	1980	1850	2170	59	75	45-110	16	29	
Di-n-butylphthalate	ug/kg	<41.7	2000	1980	1770	1960	88	99	49-115	10	27	
Di-n-octylphthalate	ug/kg	<46.5	2000	1980	1870	2080	94	105	41-138	10	25	
Dibenz(a,h)anthracene	ug/kg	104J	2000	1980	1640	1880	77	89	39-110	14	29	
Dibenzofuran	ug/kg	53.4J	2000	1980	1680	1870	81	92	47-107	11	27	
Diethylphthalate	ug/kg	<37.0	2000	1980	1680	1880	84	95	48-108	11	26	
Dimethylphthalate	ug/kg	<38.1	2000	1980	1660	1840	83	93	47-106	11	26	
Fluoranthene	ug/kg	1610	2000	1980	1980	2350	19	38	34-121	17	34	M1
Fluorene	ug/kg	123J	2000	1980	1660	1870	77	88	42-112	12	28	
Hexachloro-1,3-butadiene	ug/kg	<39.3	2000	1980	1580	1760	79	89	48-100	11	27	
Hexachlorobenzene	ug/kg	<38.1	2000	1980	1750	1950	87	99	47-107	11	27	
Hexachlorocyclopentadiene	ug/kg	<83.5	4000	3960	1580	1140	39	29	10-68	32	36	
Hexachloroethane	ug/kg	<29.8	2000	1980	1520	1650	76	84	37-101	9	29	
Indeno(1,2,3-cd)pyrene	ug/kg	350J	2000	1980	1670	1960	66	81	32-113	16	29	
Isophorone	ug/kg	<35.8	2000	1980	1530	1690	76	85	47-99	10	27	
N-Nitroso-di-n-propylamine	ug/kg	<39.3	2000	1980	1550	1700	77	86	45-105	9	27	
N-Nitrosodiphenylamine	ug/kg	<31.0	2000	1980	1720	1900	86	96	43-110	10	28	
Naphthalene	ug/kg	<31.0	2000	1980	1580	1750	79	88	46-106	10	28	
Nitrobenzene	ug/kg	<37.0	2000	1980	1560	1760	78	89	45-105	12	29	
Pentachlorophenol	ug/kg	<37.0	2000	1980	1190J	1170J	60	59	27-124		18	
Phenanthrene	ug/kg	1240	2000	1980	1810	2110	28	44	49-110	15	26	M1
Phenol	ug/kg	<31.0	2000	1980	1520	1680	76	85	45-103	10	27	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2096162 2096163

Parameter	Units	60262738001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Pyrene	ug/kg	1450	2000	1980	1960	2420	26	49	47-117	21	30	M1
Pyridine	ug/kg	<32.2	2000	1980	959	1120	48	57	10-85	16	28	
2,4,6-Tribromophenol (S)	%						75	69	39-114			
2-Fluorobiphenyl (S)	%						84	92	61-109			
2-Fluorophenol (S)	%						74	76	46-102			
Nitrobenzene-d5 (S)	%						78	86	41-114			
Phenol-d6 (S)	%						80	88	48-102			
Terphenyl-d14 (S)	%						90	103	48-120			

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 511741
QC Batch Method: EPA 3510
Analysis Method: EPA 8270
Analysis Description: 8270 Water MSSV, RV
Associated Lab Samples: 60262738009

METHOD BLANK: 2095369
Matrix: Water
Associated Lab Samples: 60262738009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<0.33	10.0	0.33	01/26/18 17:06	
1,2-Dichlorobenzene	ug/L	<0.29	10.0	0.29	01/26/18 17:06	
1,3-Dichlorobenzene	ug/L	<0.54	10.0	0.54	01/26/18 17:06	
1,4-Dichlorobenzene	ug/L	<0.41	10.0	0.41	01/26/18 17:06	
2,4,5-Trichlorophenol	ug/L	<0.33	50.0	0.33	01/26/18 17:06	
2,4,6-Trichlorophenol	ug/L	<0.39	10.0	0.39	01/26/18 17:06	
2,4-Dichlorophenol	ug/L	<0.52	10.0	0.52	01/26/18 17:06	
2,4-Dimethylphenol	ug/L	<0.60	10.0	0.60	01/26/18 17:06	
2,4-Dinitrophenol	ug/L	<8.4	50.0	8.4	01/26/18 17:06	
2,4-Dinitrotoluene	ug/L	<0.33	10.0	0.33	01/26/18 17:06	
2,6-Dinitrotoluene	ug/L	<0.28	10.0	0.28	01/26/18 17:06	
2-Chloronaphthalene	ug/L	<0.35	10.0	0.35	01/26/18 17:06	
2-Chlorophenol	ug/L	<0.30	10.0	0.30	01/26/18 17:06	
2-Methylnaphthalene	ug/L	<0.26	10.0	0.26	01/26/18 17:06	
2-Methylphenol(o-Cresol)	ug/L	<0.28	10.0	0.28	01/26/18 17:06	
2-Nitroaniline	ug/L	<0.42	50.0	0.42	01/26/18 17:06	
2-Nitrophenol	ug/L	<0.28	10.0	0.28	01/26/18 17:06	
3&4-Methylphenol(m&p Cresol)	ug/L	<5.0	10.0	5.0	01/26/18 17:06	
3,3'-Dichlorobenzidine	ug/L	<0.39	20.0	0.39	01/26/18 17:06	
3-Nitroaniline	ug/L	<0.35	50.0	0.35	01/26/18 17:06	
4,6-Dinitro-2-methylphenol	ug/L	<0.55	50.0	0.55	01/26/18 17:06	
4-Bromophenylphenyl ether	ug/L	<0.38	10.0	0.38	01/26/18 17:06	
4-Chloro-3-methylphenol	ug/L	<0.25	20.0	0.25	01/26/18 17:06	
4-Chloroaniline	ug/L	<0.52	20.0	0.52	01/26/18 17:06	
4-Chlorophenylphenyl ether	ug/L	<0.30	10.0	0.30	01/26/18 17:06	
4-Nitroaniline	ug/L	<0.35	50.0	0.35	01/26/18 17:06	
4-Nitrophenol	ug/L	<0.31	50.0	0.31	01/26/18 17:06	
Acenaphthene	ug/L	<0.36	10.0	0.36	01/26/18 17:06	
Acenaphthylene	ug/L	<0.38	10.0	0.38	01/26/18 17:06	
Anthracene	ug/L	<0.30	10.0	0.30	01/26/18 17:06	
Benzo(a)anthracene	ug/L	<0.29	10.0	0.29	01/26/18 17:06	
Benzo(a)pyrene	ug/L	<0.36	10.0	0.36	01/26/18 17:06	
Benzo(b)fluoranthene	ug/L	<0.35	10.0	0.35	01/26/18 17:06	
Benzo(g,h,i)perylene	ug/L	<0.40	10.0	0.40	01/26/18 17:06	
Benzo(k)fluoranthene	ug/L	<0.42	10.0	0.42	01/26/18 17:06	
Benzoic acid	ug/L	<2.5	50.0	2.5	01/26/18 17:06	
Benzyl alcohol	ug/L	<0.35	20.0	0.35	01/26/18 17:06	
bis(2-Chloroethoxy)methane	ug/L	<5.0	10.0	5.0	01/26/18 17:06	
bis(2-Chloroethyl) ether	ug/L	<0.29	10.0	0.29	01/26/18 17:06	
bis(2-Chloroisopropyl) ether	ug/L	<0.29	10.0	0.29	01/26/18 17:06	
bis(2-Ethylhexyl)phthalate	ug/L	<0.62	10.0	0.62	01/26/18 17:06	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

METHOD BLANK: 2095369 Matrix: Water
Associated Lab Samples: 60262738009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Butylbenzylphthalate	ug/L	<0.40	10.0	0.40	01/26/18 17:06	
Carbazole	ug/L	<0.35	10.0	0.35	01/26/18 17:06	
Chrysene	ug/L	<0.36	10.0	0.36	01/26/18 17:06	
Di-n-butylphthalate	ug/L	<0.39	10.0	0.39	01/26/18 17:06	
Di-n-octylphthalate	ug/L	<0.50	10.0	0.50	01/26/18 17:06	
Dibenz(a,h)anthracene	ug/L	<0.45	10.0	0.45	01/26/18 17:06	
Dibenzofuran	ug/L	<0.39	10.0	0.39	01/26/18 17:06	
Diethylphthalate	ug/L	<0.45	10.0	0.45	01/26/18 17:06	
Dimethylphthalate	ug/L	<0.35	10.0	0.35	01/26/18 17:06	
Fluoranthene	ug/L	<0.37	10.0	0.37	01/26/18 17:06	
Fluorene	ug/L	<0.34	10.0	0.34	01/26/18 17:06	
Hexachloro-1,3-butadiene	ug/L	<0.38	10.0	0.38	01/26/18 17:06	
Hexachlorobenzene	ug/L	<0.30	10.0	0.30	01/26/18 17:06	
Hexachlorocyclopentadiene	ug/L	<0.35	10.0	0.35	01/26/18 17:06	
Hexachloroethane	ug/L	<0.29	10.0	0.29	01/26/18 17:06	
Indeno(1,2,3-cd)pyrene	ug/L	<0.32	10.0	0.32	01/26/18 17:06	
Isophorone	ug/L	<0.28	10.0	0.28	01/26/18 17:06	
N-Nitroso-di-n-propylamine	ug/L	<0.27	10.0	0.27	01/26/18 17:06	
N-Nitrosodiphenylamine	ug/L	<0.40	10.0	0.40	01/26/18 17:06	
Naphthalene	ug/L	<0.36	10.0	0.36	01/26/18 17:06	
Nitrobenzene	ug/L	<0.30	10.0	0.30	01/26/18 17:06	
Pentachlorophenol	ug/L	<0.31	50.0	0.31	01/26/18 17:06	
Phenanthrene	ug/L	<0.34	10.0	0.34	01/26/18 17:06	
Phenol	ug/L	<5.0	10.0	5.0	01/26/18 17:06	
Pyrene	ug/L	<0.28	10.0	0.28	01/26/18 17:06	
Pyridine	ug/L	<0.31	10.0	0.31	01/26/18 17:06	
2,4,6-Tribromophenol (S)	%	91	21-124		01/26/18 17:06	
2-Fluorobiphenyl (S)	%	69	30-103		01/26/18 17:06	
2-Fluorophenol (S)	%	53	10-68		01/26/18 17:06	
Nitrobenzene-d5 (S)	%	71	33-99		01/26/18 17:06	
Phenol-d6 (S)	%	41	10-56		01/26/18 17:06	
Terphenyl-d14 (S)	%	74	38-114		01/26/18 17:06	

LABORATORY CONTROL SAMPLE: 2095370

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	100	79.1	79	27-115	
1,2-Dichlorobenzene	ug/L	100	75.5	75	27-111	
1,3-Dichlorobenzene	ug/L	100	73.1	73	26-109	
1,4-Dichlorobenzene	ug/L	100	73.6	74	26-109	
2,4,5-Trichlorophenol	ug/L	100	88.7	89	30-128	
2,4,6-Trichlorophenol	ug/L	100	88.5	89	29-128	
2,4-Dichlorophenol	ug/L	100	85.6	86	29-121	
2,4-Dimethylphenol	ug/L	100	77.0	77	29-113	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

LABORATORY CONTROL SAMPLE: 2095370

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	ug/L	100	99.1	99	19-142	
2,4-Dinitrotoluene	ug/L	100	87.6	88	31-135	
2,6-Dinitrotoluene	ug/L	100	87.6	88	31-132	
2-Chloronaphthalene	ug/L	100	78.3	78	29-122	
2-Chlorophenol	ug/L	100	74.6	75	26-111	
2-Methylnaphthalene	ug/L	100	79.2	79	30-121	
2-Methylphenol(o-Cresol)	ug/L	100	72.3	72	26-100	
2-Nitroaniline	ug/L	100	80.6	81	30-132	
2-Nitrophenol	ug/L	100	88.1	88	27-128	
3&4-Methylphenol(m&p Cresol)	ug/L	100	69.3	69	22-95	
3,3'-Dichlorobenzidine	ug/L	100	98.5	99	18-189	
3-Nitroaniline	ug/L	100	79.8	80	31-149	
4,6-Dinitro-2-methylphenol	ug/L	100	97.7	98	25-141	
4-Bromophenylphenyl ether	ug/L	100	85.0	85	30-131	
4-Chloro-3-methylphenol	ug/L	100	82.6	83	29-124	
4-Chloroaniline	ug/L	100	64.7	65	26-142	
4-Chlorophenylphenyl ether	ug/L	100	84.2	84	31-127	
4-Nitroaniline	ug/L	100	87.8	88	29-136	
4-Nitrophenol	ug/L	100	48.4J	48	10-60	
Acenaphthene	ug/L	100	80.5	80	30-127	
Acenaphthylene	ug/L	100	79.6	80	29-126	
Anthracene	ug/L	100	80.8	81	32-131	
Benzo(a)anthracene	ug/L	100	84.1	84	32-131	
Benzo(a)pyrene	ug/L	100	76.8	77	30-131	
Benzo(b)fluoranthene	ug/L	100	87.6	88	31-134	
Benzo(g,h,i)perylene	ug/L	100	79.5	79	29-133	
Benzo(k)fluoranthene	ug/L	100	84.2	84	30-133	
Benzoic acid	ug/L	100	39.4J	39	10-64	
Benzyl alcohol	ug/L	100	70.1	70	19-106	
bis(2-Chloroethoxy)methane	ug/L	100	78.3	78	29-122	
bis(2-Chloroethyl) ether	ug/L	100	78.8	79	25-122	
bis(2-Chloroisopropyl) ether	ug/L	100	67.7	68	26-121	
bis(2-Ethylhexyl)phthalate	ug/L	100	83.1	83	34-139	
Butylbenzylphthalate	ug/L	100	83.8	84	30-142	
Carbazole	ug/L	100	82.6	83	31-133	
Chrysene	ug/L	100	82.7	83	32-133	
Di-n-butylphthalate	ug/L	100	83.8	84	35-135	
Di-n-octylphthalate	ug/L	100	88.4	88	31-139	
Dibenz(a,h)anthracene	ug/L	100	83.6	84	30-133	
Dibenzofuran	ug/L	100	79.0	79	30-126	
Diethylphthalate	ug/L	100	82.5	82	34-129	
Dimethylphthalate	ug/L	100	82.6	83	34-127	
Fluoranthene	ug/L	100	86.4	86	32-134	
Fluorene	ug/L	100	82.4	82	31-128	
Hexachloro-1,3-butadiene	ug/L	100	80.8	81	25-112	
Hexachlorobenzene	ug/L	100	88.1	88	30-130	
Hexachlorocyclopentadiene	ug/L	200	55.0	27	10-61	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

LABORATORY CONTROL SAMPLE: 2095370

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachloroethane	ug/L	100	71.7	72	24-107	
Indeno(1,2,3-cd)pyrene	ug/L	100	79.2	79	30-131	
Isophorone	ug/L	100	77.2	77	29-125	
N-Nitroso-di-n-propylamine	ug/L	100	77.4	77	29-123	
N-Nitrosodiphenylamine	ug/L	100	84.6	85	31-129	
Naphthalene	ug/L	100	78.2	78	30-118	
Nitrobenzene	ug/L	100	80.2	80	28-123	
Pentachlorophenol	ug/L	100	102	102	27-136	
Phenanthrene	ug/L	100	81.2	81	32-130	
Phenol	ug/L	100	44.7	45	10-61	
Pyrene	ug/L	100	80.6	81	32-132	
Pyridine	ug/L	100	18.2	18	10-66	
2,4,6-Tribromophenol (S)	%			105	21-124	
2-Fluorobiphenyl (S)	%			77	30-103	
2-Fluorophenol (S)	%			58	10-68	
Nitrobenzene-d5 (S)	%			78	33-99	
Phenol-d6 (S)	%			45	10-56	
Terphenyl-d14 (S)	%			87	38-114	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 512172 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV, RV
Associated Lab Samples: 60262738010, 60262738011

METHOD BLANK: 2097143 Matrix: Water
Associated Lab Samples: 60262738010, 60262738011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<0.33	10.0	0.33	01/30/18 16:06	
1,2-Dichlorobenzene	ug/L	<0.29	10.0	0.29	01/30/18 16:06	
1,3-Dichlorobenzene	ug/L	<0.54	10.0	0.54	01/30/18 16:06	
1,4-Dichlorobenzene	ug/L	<0.41	10.0	0.41	01/30/18 16:06	
2,4,5-Trichlorophenol	ug/L	<0.33	50.0	0.33	01/30/18 16:06	
2,4,6-Trichlorophenol	ug/L	<0.39	10.0	0.39	01/30/18 16:06	
2,4-Dichlorophenol	ug/L	<0.52	10.0	0.52	01/30/18 16:06	
2,4-Dimethylphenol	ug/L	<0.60	10.0	0.60	01/30/18 16:06	
2,4-Dinitrophenol	ug/L	<8.4	50.0	8.4	01/30/18 16:06	
2,4-Dinitrotoluene	ug/L	<0.33	10.0	0.33	01/30/18 16:06	
2,6-Dinitrotoluene	ug/L	<0.28	10.0	0.28	01/30/18 16:06	
2-Chloronaphthalene	ug/L	<0.35	10.0	0.35	01/30/18 16:06	
2-Chlorophenol	ug/L	<0.30	10.0	0.30	01/30/18 16:06	
2-Methylnaphthalene	ug/L	<0.26	10.0	0.26	01/30/18 16:06	
2-Methylphenol(o-Cresol)	ug/L	<0.28	10.0	0.28	01/30/18 16:06	
2-Nitroaniline	ug/L	<0.42	50.0	0.42	01/30/18 16:06	
2-Nitrophenol	ug/L	<0.28	10.0	0.28	01/30/18 16:06	
3&4-Methylphenol(m&p Cresol)	ug/L	<5.0	10.0	5.0	01/30/18 16:06	
3,3'-Dichlorobenzidine	ug/L	<0.39	20.0	0.39	01/30/18 16:06	
3-Nitroaniline	ug/L	<0.35	50.0	0.35	01/30/18 16:06	
4,6-Dinitro-2-methylphenol	ug/L	<0.55	50.0	0.55	01/30/18 16:06	
4-Bromophenylphenyl ether	ug/L	<0.38	10.0	0.38	01/30/18 16:06	
4-Chloro-3-methylphenol	ug/L	<0.25	20.0	0.25	01/30/18 16:06	
4-Chloroaniline	ug/L	<0.52	20.0	0.52	01/30/18 16:06	
4-Chlorophenylphenyl ether	ug/L	<0.30	10.0	0.30	01/30/18 16:06	
4-Nitroaniline	ug/L	<0.35	50.0	0.35	01/30/18 16:06	
4-Nitrophenol	ug/L	<0.31	50.0	0.31	01/30/18 16:06	
Acenaphthene	ug/L	<0.36	10.0	0.36	01/30/18 16:06	
Acenaphthylene	ug/L	<0.38	10.0	0.38	01/30/18 16:06	
Anthracene	ug/L	<0.30	10.0	0.30	01/30/18 16:06	
Benzo(a)anthracene	ug/L	<0.29	10.0	0.29	01/30/18 16:06	
Benzo(a)pyrene	ug/L	<0.36	10.0	0.36	01/30/18 16:06	
Benzo(b)fluoranthene	ug/L	<0.35	10.0	0.35	01/30/18 16:06	
Benzo(g,h,i)perylene	ug/L	<0.40	10.0	0.40	01/30/18 16:06	
Benzo(k)fluoranthene	ug/L	<0.42	10.0	0.42	01/30/18 16:06	
Benzoic acid	ug/L	<2.5	50.0	2.5	01/30/18 16:06	
Benzyl alcohol	ug/L	<0.35	20.0	0.35	01/30/18 16:06	
bis(2-Chloroethoxy)methane	ug/L	<5.0	10.0	5.0	01/30/18 16:06	
bis(2-Chloroethyl) ether	ug/L	<0.29	10.0	0.29	01/30/18 16:06	
bis(2-Chloroisopropyl) ether	ug/L	<0.29	10.0	0.29	01/30/18 16:06	
bis(2-Ethylhexyl)phthalate	ug/L	<0.62	10.0	0.62	01/30/18 16:06	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

METHOD BLANK: 2097143 Matrix: Water
Associated Lab Samples: 60262738010, 60262738011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Butylbenzylphthalate	ug/L	<0.40	10.0	0.40	01/30/18 16:06	
Carbazole	ug/L	<0.35	10.0	0.35	01/30/18 16:06	
Chrysene	ug/L	<0.36	10.0	0.36	01/30/18 16:06	
Di-n-butylphthalate	ug/L	<0.39	10.0	0.39	01/30/18 16:06	
Di-n-octylphthalate	ug/L	<0.50	10.0	0.50	01/30/18 16:06	
Dibenz(a,h)anthracene	ug/L	<0.45	10.0	0.45	01/30/18 16:06	
Dibenzofuran	ug/L	<0.39	10.0	0.39	01/30/18 16:06	
Diethylphthalate	ug/L	<0.45	10.0	0.45	01/30/18 16:06	
Dimethylphthalate	ug/L	<0.35	10.0	0.35	01/30/18 16:06	
Fluoranthene	ug/L	<0.37	10.0	0.37	01/30/18 16:06	
Fluorene	ug/L	<0.34	10.0	0.34	01/30/18 16:06	
Hexachloro-1,3-butadiene	ug/L	<0.38	10.0	0.38	01/30/18 16:06	
Hexachlorobenzene	ug/L	<0.30	10.0	0.30	01/30/18 16:06	
Hexachlorocyclopentadiene	ug/L	<0.35	10.0	0.35	01/30/18 16:06	
Hexachloroethane	ug/L	<0.29	10.0	0.29	01/30/18 16:06	
Indeno(1,2,3-cd)pyrene	ug/L	<0.32	10.0	0.32	01/30/18 16:06	
Isophorone	ug/L	<0.28	10.0	0.28	01/30/18 16:06	
N-Nitroso-di-n-propylamine	ug/L	<0.27	10.0	0.27	01/30/18 16:06	
N-Nitrosodiphenylamine	ug/L	<0.40	10.0	0.40	01/30/18 16:06	
Naphthalene	ug/L	<0.36	10.0	0.36	01/30/18 16:06	
Nitrobenzene	ug/L	<0.30	10.0	0.30	01/30/18 16:06	
Pentachlorophenol	ug/L	<0.31	50.0	0.31	01/30/18 16:06	
Phenanthrene	ug/L	<0.34	10.0	0.34	01/30/18 16:06	
Phenol	ug/L	<5.0	10.0	5.0	01/30/18 16:06	
Pyrene	ug/L	<0.28	10.0	0.28	01/30/18 16:06	
Pyridine	ug/L	<0.31	10.0	0.31	01/30/18 16:06	
2,4,6-Tribromophenol (S)	%	91	21-124		01/30/18 16:06	
2-Fluorobiphenyl (S)	%	84	30-103		01/30/18 16:06	
2-Fluorophenol (S)	%	66	10-68		01/30/18 16:06	
Nitrobenzene-d5 (S)	%	82	33-99		01/30/18 16:06	
Phenol-d6 (S)	%	49	10-56		01/30/18 16:06	
Terphenyl-d14 (S)	%	90	38-114		01/30/18 16:06	

LABORATORY CONTROL SAMPLE: 2097144

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	100	81.2	81	27-115	
1,2-Dichlorobenzene	ug/L	100	82.7	83	27-111	
1,3-Dichlorobenzene	ug/L	100	79.4	79	26-109	
1,4-Dichlorobenzene	ug/L	100	79.8	80	26-109	
2,4,5-Trichlorophenol	ug/L	100	88.7	89	30-128	
2,4,6-Trichlorophenol	ug/L	100	87.1	87	29-128	
2,4-Dichlorophenol	ug/L	100	82.2	82	29-121	
2,4-Dimethylphenol	ug/L	100	79.7	80	29-113	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

LABORATORY CONTROL SAMPLE: 2097144

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	ug/L	100	82.5	83	19-142	
2,4-Dinitrotoluene	ug/L	100	93.3	93	31-135	
2,6-Dinitrotoluene	ug/L	100	92.5	93	31-132	
2-Chloronaphthalene	ug/L	100	84.5	85	29-122	
2-Chlorophenol	ug/L	100	82.1	82	26-111	
2-Methylnaphthalene	ug/L	100	82.1	82	30-121	
2-Methylphenol(o-Cresol)	ug/L	100	80.2	80	26-100	
2-Nitroaniline	ug/L	100	92.6	93	30-132	
2-Nitrophenol	ug/L	100	88.4	88	27-128	
3&4-Methylphenol(m&p Cresol)	ug/L	100	76.4	76	22-95	
3,3'-Dichlorobenzidine	ug/L	100	107	107	18-189	
3-Nitroaniline	ug/L	100	103	103	31-149	
4,6-Dinitro-2-methylphenol	ug/L	100	90.1	90	25-141	
4-Bromophenylphenyl ether	ug/L	100	87.8	88	30-131	
4-Chloro-3-methylphenol	ug/L	100	86.9	87	29-124	
4-Chloroaniline	ug/L	100	98.0	98	26-142	
4-Chlorophenylphenyl ether	ug/L	100	86.4	86	31-127	
4-Nitroaniline	ug/L	100	97.2	97	29-136	
4-Nitrophenol	ug/L	100	55.3	55	10-60	
Acenaphthene	ug/L	100	87.4	87	30-127	
Acenaphthylene	ug/L	100	85.8	86	29-126	
Anthracene	ug/L	100	87.8	88	32-131	
Benzo(a)anthracene	ug/L	100	90.5	90	32-131	
Benzo(a)pyrene	ug/L	100	86.0	86	30-131	
Benzo(b)fluoranthene	ug/L	100	89.4	89	31-134	
Benzo(g,h,i)perylene	ug/L	100	90.2	90	29-133	
Benzo(k)fluoranthene	ug/L	100	94.2	94	30-133	
Benzoic acid	ug/L	100	21.9J	22	10-64	
Benzyl alcohol	ug/L	100	81.2	81	19-106	
bis(2-Chloroethoxy)methane	ug/L	100	84.5	84	29-122	
bis(2-Chloroethyl) ether	ug/L	100	85.0	85	25-122	
bis(2-Chloroisopropyl) ether	ug/L	100	83.1	83	26-121	
bis(2-Ethylhexyl)phthalate	ug/L	100	93.6	94	34-139	
Butylbenzylphthalate	ug/L	100	93.0	93	30-142	
Carbazole	ug/L	100	90.0	90	31-133	
Chrysene	ug/L	100	92.1	92	32-133	
Di-n-butylphthalate	ug/L	100	92.9	93	35-135	
Di-n-octylphthalate	ug/L	100	93.4	93	31-139	
Dibenz(a,h)anthracene	ug/L	100	90.0	90	30-133	
Dibenzofuran	ug/L	100	85.9	86	30-126	
Diethylphthalate	ug/L	100	88.6	89	34-129	
Dimethylphthalate	ug/L	100	89.1	89	34-127	
Fluoranthene	ug/L	100	90.5	90	32-134	
Fluorene	ug/L	100	86.4	86	31-128	
Hexachloro-1,3-butadiene	ug/L	100	80.6	81	25-112	
Hexachlorobenzene	ug/L	100	92.4	92	30-130	
Hexachlorocyclopentadiene	ug/L	200	71.0	36	10-61	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

LABORATORY CONTROL SAMPLE: 2097144

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachloroethane	ug/L	100	80.2	80	24-107	
Indeno(1,2,3-cd)pyrene	ug/L	100	89.7	90	30-131	
Isophorone	ug/L	100	85.0	85	29-125	
N-Nitroso-di-n-propylamine	ug/L	100	87.0	87	29-123	
N-Nitrosodiphenylamine	ug/L	100	88.9	89	31-129	
Naphthalene	ug/L	100	83.3	83	30-118	
Nitrobenzene	ug/L	100	84.6	85	28-123	
Pentachlorophenol	ug/L	100	92.6	93	27-136	
Phenanthrene	ug/L	100	88.7	89	32-130	
Phenol	ug/L	100	53.9	54	10-61	
Pyrene	ug/L	100	90.5	90	32-132	
Pyridine	ug/L	100	49.8	50	10-66	
2,4,6-Tribromophenol (S)	%			96	21-124	
2-Fluorobiphenyl (S)	%			87	30-103	
2-Fluorophenol (S)	%			67	10-68	
Nitrobenzene-d5 (S)	%			84	33-99	
Phenol-d6 (S)	%			52	10-56	
Terphenyl-d14 (S)	%			95	38-114	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 511864 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 MSSV TPH ORO
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004, 60262738005, 60262738006, 60262738007, 60262738008

METHOD BLANK: 2095779 Matrix: Solid
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004, 60262738005, 60262738006, 60262738007, 60262738008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH-DRO	mg/kg	<1.2	14.9	1.2	01/26/18 12:56	
TPH-ORO	mg/kg	1.9J	14.9	1.2	01/26/18 12:56	
2-Fluorobiphenyl (S)	%	134	61-109		01/26/18 12:56	S3
Nitrobenzene-d5 (S)	%	74	41-114		01/26/18 12:56	
Terphenyl-d14 (S)	%	96	48-120		01/26/18 12:56	

LABORATORY CONTROL SAMPLE: 2095780

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/kg	317	229	72	56-129	
2-Fluorobiphenyl (S)	%			119	61-109	S0
Nitrobenzene-d5 (S)	%			95	41-114	M4
Terphenyl-d14 (S)	%			74	48-120	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 511914 Analysis Method: EPA 8270
QC Batch Method: EPA 3510C Analysis Description: 8270 MSSV TPH ORO
Associated Lab Samples: 60262738009, 60262738010, 60262738011

METHOD BLANK: 2096033 Matrix: Water
Associated Lab Samples: 60262738009, 60262738010, 60262738011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
TPH-DRO	mg/L	<1.0	1.0	1.0	01/29/18 12:35	
TPH-ORO	mg/L	<1.0	1.0	1.0	01/29/18 12:35	
2-Fluorobiphenyl (S)	%	78	30-103		01/29/18 12:35	
Nitrobenzene-d5 (S)	%	66	33-99		01/29/18 12:35	
Terphenyl-d14 (S)	%	77	38-114		01/29/18 12:35	

LABORATORY CONTROL SAMPLE: 2096034

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/L	100	60.0	60	37-133	
2-Fluorobiphenyl (S)	%			69	30-103	
Nitrobenzene-d5 (S)	%			69	33-99	
Terphenyl-d14 (S)	%			85	38-114	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 512470 Analysis Method: ASTM D2974
QC Batch Method: ASTM D2974 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004, 60262738005, 60262738006, 60262738007, 60262738008

METHOD BLANK: 2098148 Matrix: Solid
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004, 60262738005, 60262738006, 60262738007, 60262738008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Percent Moisture	%	<0.50	0.50	0.50	01/31/18 00:00	

SAMPLE DUPLICATE: 2098149

Parameter	Units	60262738001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.5	17.6	0	20	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 512392
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Associated Lab Samples: 60262738009

SAMPLE DUPLICATE: 2097766

Parameter	Units	60262633002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.7	6.8	0	5	H6

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 512835 Analysis Method: SM 4500-H+B
QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH
Associated Lab Samples: 60262738010, 60262738011

SAMPLE DUPLICATE: 2099303

Parameter	Units	60262708006 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.5	8.5	0	5	H6

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 512529 Analysis Method: EPA 9045
QC Batch Method: EPA 9045 Analysis Description: 9045 pH
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004, 60262738005, 60262738006, 60262738007, 60262738008

SAMPLE DUPLICATE: 2098334

Parameter	Units	60262297001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.8	6.8	0	3	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 512000 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 60262738009, 60262738010, 60262738011

METHOD BLANK: 2096375 Matrix: Water
Associated Lab Samples: 60262738009, 60262738010, 60262738011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.050	0.10	0.050	01/26/18 14:17	

LABORATORY CONTROL SAMPLE: 2096376

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	2.0	99	90-110	

MATRIX SPIKE SAMPLE: 2096377

Parameter	Units	60262738009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	1.7	2	3.4	87	90-110	M1

SAMPLE DUPLICATE: 2096378

Parameter	Units	60262738011 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.3	2.3	3	20	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 513167 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004, 60262738005

METHOD BLANK: 2100692 Matrix: Solid
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004, 60262738005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfate	mg/kg	<50.0	100	50.0	02/06/18 00:14	

LABORATORY CONTROL SAMPLE: 2100693

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/kg	500	499	100	80-120	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 513199 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Associated Lab Samples: 60262738006, 60262738007, 60262738008

METHOD BLANK: 2100810 Matrix: Solid
Associated Lab Samples: 60262738006, 60262738007, 60262738008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfate	mg/kg	<50.0	100	50.0	02/06/18 03:14	

LABORATORY CONTROL SAMPLE: 2100811

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/kg	500	504	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2100812 2100813

Parameter	Units	60262738006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/kg	74.3J	657	657	735	728	101	100	80-120	1	15	

SAMPLE DUPLICATE: 2100814

Parameter	Units	60262738007 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfate	mg/kg	77.8J	76.4J		15	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 513010 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004, 60262738005

METHOD BLANK: 2100261 Matrix: Solid
Associated Lab Samples: 60262738001, 60262738002, 60262738003, 60262738004, 60262738005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrate as N	mg/kg	<5.0	10.0	5.0	02/06/18 00:14	
Nitrite as N	mg/kg	<5.0	10.0	5.0	02/06/18 00:14	

LABORATORY CONTROL SAMPLE: 2100262

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/kg	200	194	97	80-120	
Nitrite as N	mg/kg	200	192	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2100263 2100264

Parameter	Units	60262572006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/kg	124	255	255	392	386	105	103	80-120	1	15	
Nitrite as N	mg/kg	<6.4	255	255	265	256	104	100	80-120	3	15	

SAMPLE DUPLICATE: 2100265

Parameter	Units	60262572007 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrate as N	mg/kg	24.7	24.3	2	15	
Nitrite as N	mg/kg	<6.7	<6.7		15	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 513100 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Associated Lab Samples: 60262738006, 60262738007, 60262738008

METHOD BLANK: 2100493 Matrix: Solid
Associated Lab Samples: 60262738006, 60262738007, 60262738008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrate as N	mg/kg	<5.0	10.0	5.0	02/06/18 03:14	
Nitrite as N	mg/kg	<5.0	10.0	5.0	02/06/18 03:14	

LABORATORY CONTROL SAMPLE: 2100494

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/kg	200	193	96	80-120	
Nitrite as N	mg/kg	200	188	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2100495 2100496

Parameter	Units	60262738006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/kg	<6.6	263	263	268	268	102	102	80-120	0	15	
Nitrite as N	mg/kg	<6.6	263	263	266	265	101	101	80-120	0	15	

SAMPLE DUPLICATE: 2100497

Parameter	Units	60262738007 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrate as N	mg/kg	<6.3	<6.3		15	
Nitrite as N	mg/kg	<6.3	<6.3		15	

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QUALITY CONTROL DATA

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

QC Batch: 512697 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Associated Lab Samples: 60262738009, 60262738010, 60262738011

METHOD BLANK: 2098829 Matrix: Water
Associated Lab Samples: 60262738009, 60262738010, 60262738011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfate	mg/L	<0.50	1.0	0.50	02/02/18 13:37	

LABORATORY CONTROL SAMPLE: 2098830

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	5	5.1	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2098831 2098832

Parameter	Units	60262735006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	60.1	250	250	308	317	99	103	80-120	3	15	

SAMPLE DUPLICATE: 2098833

Parameter	Units	60262736009 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfate	mg/L		277	4	15	

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QUALIFIERS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

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 adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

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.

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-D	Pace Analytical Services - Dallas
PASI-K	Pace Analytical Services - Kansas City

BATCH QUALIFIERS

Batch: 511741
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 511914
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 511954
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 512008
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 512172
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 512196
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1e A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

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QUALIFIERS

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

ANALYTE QUALIFIERS

2e	The LCS recovery was below QC limits. The successful recovery of the MS and MSD demonstrate that the analytical system was in control for this QA/QC sample group.
3e	The initial calibration verification for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
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.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
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.
M4	A matrix spike/matrix spike duplicate was not performed for this batch due to sample dilution.
N2	The lab does not hold NELAC/TNI accreditation for this parameter.
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).
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60262738001	**SB-10 (0-1)**	EPA 3546	91580	EPA 8081	91850
60262738002	**SB-10 (3-5)**	EPA 3546	91580	EPA 8081	91850
60262738003	**SB-11 (3-5)**	EPA 3546	91580	EPA 8081	91850
60262738004	**SB-11 (13-15)**	EPA 3546	91580	EPA 8081	91850
60262738005	**SB-12 (3-5)**	EPA 3546	91580	EPA 8081	91850
60262738006	**SB-12 (13-15)**	EPA 3546	91580	EPA 8081	91850
60262738007	**SB-13 (3-5)**	EPA 3546	91580	EPA 8081	91850
60262738008	**SB-13 (10-12)**	EPA 3546	91580	EPA 8081	91850
60262738009	**SB-10**	EPA 3510	91634	EPA 8081	92029
60262738010	**SB-12**	EPA 3510	91634	EPA 8081	92029
60262738011	**SB-13**	EPA 3510	91634	EPA 8081	92029
60262738001	**SB-10 (0-1)**	EPA 3546	91581	EPA 8141A	91875
60262738002	**SB-10 (3-5)**	EPA 3546	91581	EPA 8141A	91875
60262738003	**SB-11 (3-5)**	EPA 3546	91581	EPA 8141A	91875
60262738004	**SB-11 (13-15)**	EPA 3546	91581	EPA 8141A	91875
60262738005	**SB-12 (3-5)**	EPA 3546	91581	EPA 8141A	91875
60262738006	**SB-12 (13-15)**	EPA 3546	91581	EPA 8141A	91875
60262738007	**SB-13 (3-5)**	EPA 3546	91581	EPA 8141A	91875
60262738008	**SB-13 (10-12)**	EPA 3546	91581	EPA 8141A	91875
60262738009	**SB-10**	EPA 3510	91635	EPA 8141A	91876
60262738010	**SB-12**	EPA 3510	91635	EPA 8141A	91876
60262738011	**SB-13**	EPA 3510	91635	EPA 8141A	91876
60262738001	**SB-10 (0-1)**	EPA 3546	91836	EPA 8151	91951
60262738002	**SB-10 (3-5)**	EPA 3546	91836	EPA 8151	91951
60262738003	**SB-11 (3-5)**	EPA 3546	91836	EPA 8151	91951
60262738004	**SB-11 (13-15)**	EPA 3546	91836	EPA 8151	91951
60262738005	**SB-12 (3-5)**	EPA 3546	91886	EPA 8151	92035
60262738006	**SB-12 (13-15)**	EPA 3546	91886	EPA 8151	92035
60262738007	**SB-13 (3-5)**	EPA 3546	91886	EPA 8151	92035
60262738008	**SB-13 (10-12)**	EPA 3546	91886	EPA 8151	92035
60262738009	**SB-10**	EPA 8151	91466	EPA 8151	91671
60262738010	**SB-12**	EPA 8151	91466	EPA 8151	91671
60262738011	**SB-13**	EPA 8151	91466	EPA 8151	91671
60262738001	**SB-10 (0-1)**	EPA 3050	512402	EPA 6010	512563
60262738002	**SB-10 (3-5)**	EPA 3050	512402	EPA 6010	512563
60262738003	**SB-11 (3-5)**	EPA 3050	512402	EPA 6010	512563
60262738004	**SB-11 (13-15)**	EPA 3050	512402	EPA 6010	512563
60262738005	**SB-12 (3-5)**	EPA 3050	512402	EPA 6010	512563
60262738006	**SB-12 (13-15)**	EPA 3050	512402	EPA 6010	512563
60262738007	**SB-13 (3-5)**	EPA 3050	512402	EPA 6010	512563
60262738008	**SB-13 (10-12)**	EPA 3050	512402	EPA 6010	512563
60262738009	**SB-10**	EPA 3010	513465	EPA 6010	513615
60262738010	**SB-12**	EPA 3010	513465	EPA 6010	513615
60262738011	**SB-13**	EPA 3010	513465	EPA 6010	513615

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60262738009	**SB-10**	EPA 3010	513463	EPA 6010	513595
60262738010	**SB-12**	EPA 3010	513463	EPA 6010	513595
60262738011	**SB-13**	EPA 3010	513463	EPA 6010	513595
60262738009	**SB-10**	EPA 7470	513439	EPA 7470	513467
60262738010	**SB-12**	EPA 7470	513439	EPA 7470	513467
60262738011	**SB-13**	EPA 7470	513439	EPA 7470	513467
60262738009	**SB-10**	EPA 7470	513471	EPA 7470	513506
60262738010	**SB-12**	EPA 7470	513471	EPA 7470	513506
60262738011	**SB-13**	EPA 7470	513471	EPA 7470	513506
60262738001	**SB-10 (0-1)**	EPA 7471	512006	EPA 7471	512139
60262738002	**SB-10 (3-5)**	EPA 7471	512006	EPA 7471	512139
60262738003	**SB-11 (3-5)**	EPA 7471	512006	EPA 7471	512139
60262738004	**SB-11 (13-15)**	EPA 7471	512006	EPA 7471	512139
60262738005	**SB-12 (3-5)**	EPA 7471	512006	EPA 7471	512139
60262738006	**SB-12 (13-15)**	EPA 7471	512006	EPA 7471	512139
60262738007	**SB-13 (3-5)**	EPA 7471	512006	EPA 7471	512139
60262738008	**SB-13 (10-12)**	EPA 7471	512006	EPA 7471	512139
60262738001	**SB-10 (0-1)**	EPA 3546	511957	EPA 8270	512398
60262738002	**SB-10 (3-5)**	EPA 3546	511957	EPA 8270	512398
60262738003	**SB-11 (3-5)**	EPA 3546	511957	EPA 8270	512398
60262738004	**SB-11 (13-15)**	EPA 3546	511957	EPA 8270	512398
60262738005	**SB-12 (3-5)**	EPA 3546	511957	EPA 8270	512398
60262738006	**SB-12 (13-15)**	EPA 3546	511957	EPA 8270	512398
60262738007	**SB-13 (3-5)**	EPA 3546	511957	EPA 8270	512398
60262738008	**SB-13 (10-12)**	EPA 3546	511957	EPA 8270	512398
60262738009	**SB-10**	EPA 3510	511741	EPA 8270	511977
60262738010	**SB-12**	EPA 3510	512172	EPA 8270	512370
60262738011	**SB-13**	EPA 3510	512172	EPA 8270	512370
60262738001	**SB-10 (0-1)**	EPA 3546	511864	EPA 8270	511983
60262738002	**SB-10 (3-5)**	EPA 3546	511864	EPA 8270	511983
60262738003	**SB-11 (3-5)**	EPA 3546	511864	EPA 8270	511983
60262738004	**SB-11 (13-15)**	EPA 3546	511864	EPA 8270	511983
60262738005	**SB-12 (3-5)**	EPA 3546	511864	EPA 8270	511983
60262738006	**SB-12 (13-15)**	EPA 3546	511864	EPA 8270	511983
60262738007	**SB-13 (3-5)**	EPA 3546	511864	EPA 8270	511983
60262738008	**SB-13 (10-12)**	EPA 3546	511864	EPA 8270	511983
60262738009	**SB-10**	EPA 3510C	511914	EPA 8270	512166
60262738010	**SB-12**	EPA 3510C	511914	EPA 8270	512166
60262738011	**SB-13**	EPA 3510C	511914	EPA 8270	512166
60262738001	**SB-10 (0-1)**	EPA 5035A/8260	511855		
60262738002	**SB-10 (3-5)**	EPA 5035A/8260	512196		
60262738003	**SB-11 (3-5)**	EPA 5035A/8260	512196		
60262738004	**SB-11 (13-15)**	EPA 5035A/8260	511855		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60262738005	SB-12 (3-5)	EPA 5035A/8260	512196		
60262738006	SB-12 (13-15)	EPA 5035A/8260	511855		
60262738007	SB-13 (3-5)	EPA 5035A/8260	512196		
60262738008	SB-13 (10-12)	EPA 5035A/8260	512196		
60262738009	SB-10	EPA 5030B/8260	511954		
60262738010	SB-12	EPA 5030B/8260	511954		
60262738011	SB-13	EPA 5030B/8260	511954		
60262738009	SB-10	EPA 8260	512008		
60262738010	SB-12	EPA 8260	512008		
60262738011	SB-13	EPA 8260	512008		
60262738001	SB-10 (0-1)	EPA 8260	513132		
60262738002	SB-10 (3-5)	EPA 8260	513132		
60262738003	SB-11 (3-5)	EPA 8260	513132		
60262738004	SB-11 (13-15)	EPA 8260	513132		
60262738005	SB-12 (3-5)	EPA 8260	513132		
60262738006	SB-12 (13-15)	EPA 8260	513132		
60262738007	SB-13 (3-5)	EPA 8260	513132		
60262738008	SB-13 (10-12)	EPA 8260	513132		
60262738001	SB-10 (0-1)	ASTM D2974	512470		
60262738002	SB-10 (3-5)	ASTM D2974	512470		
60262738003	SB-11 (3-5)	ASTM D2974	512470		
60262738004	SB-11 (13-15)	ASTM D2974	512470		
60262738005	SB-12 (3-5)	ASTM D2974	512470		
60262738006	SB-12 (13-15)	ASTM D2974	512470		
60262738007	SB-13 (3-5)	ASTM D2974	512470		
60262738008	SB-13 (10-12)	ASTM D2974	512470		
60262738009	SB-10	SM 4500-H+B	512392		
60262738010	SB-12	SM 4500-H+B	512835		
60262738011	SB-13	SM 4500-H+B	512835		
60262738001	SB-10 (0-1)	EPA 9045	512529		
60262738002	SB-10 (3-5)	EPA 9045	512529		
60262738003	SB-11 (3-5)	EPA 9045	512529		
60262738004	SB-11 (13-15)	EPA 9045	512529		
60262738005	SB-12 (3-5)	EPA 9045	512529		
60262738006	SB-12 (13-15)	EPA 9045	512529		
60262738007	SB-13 (3-5)	EPA 9045	512529		
60262738008	SB-13 (10-12)	EPA 9045	512529		
60262738009	SB-10	EPA 353.2	512000		
60262738010	SB-12	EPA 353.2	512000		
60262738011	SB-13	EPA 353.2	512000		
60262738001	SB-10 (0-1)	EPA 9056	513167	EPA 9056	513201
60262738002	SB-10 (3-5)	EPA 9056	513167	EPA 9056	513201
60262738003	SB-11 (3-5)	EPA 9056	513167	EPA 9056	513201

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Mead Hansen Building Site 1/24
Pace Project No.: 60262738

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60262738004	**SB-11 (13-15)**	EPA 9056	513167	EPA 9056	513201
60262738005	**SB-12 (3-5)**	EPA 9056	513167	EPA 9056	513201
60262738006	**SB-12 (13-15)**	EPA 9056	513199	EPA 9056	513203
60262738007	**SB-13 (3-5)**	EPA 9056	513199	EPA 9056	513203
60262738008	**SB-13 (10-12)**	EPA 9056	513199	EPA 9056	513203
60262738001	**SB-10 (0-1)**	EPA 9056	513010	EPA 9056	513101
60262738002	**SB-10 (3-5)**	EPA 9056	513010	EPA 9056	513101
60262738003	**SB-11 (3-5)**	EPA 9056	513010	EPA 9056	513101
60262738004	**SB-11 (13-15)**	EPA 9056	513010	EPA 9056	513101
60262738005	**SB-12 (3-5)**	EPA 9056	513010	EPA 9056	513101
60262738006	**SB-12 (13-15)**	EPA 9056	513100	EPA 9056	513103
60262738007	**SB-13 (3-5)**	EPA 9056	513100	EPA 9056	513103
60262738008	**SB-13 (10-12)**	EPA 9056	513100	EPA 9056	513103
60262738009	**SB-10**	EPA 9056	512697		
60262738010	**SB-12**	EPA 9056	512697		
60262738011	**SB-13**	EPA 9056	512697		

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Pace Analytical
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Sample Condition Upon Receipt

WO# : 60262738

60262738

Client Name: Tetra Tech EMI

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☒ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☐ Other ☐

Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☐

Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☒ Foam ☒ None ☐ Other ☐

Thermometer Used: CF+0.2 T-266 / CF -0.1 T-239 **Type of Ice:** (Wet) Blue None

Cooler Temperature (°C): **As-read** 1.1/2.1 **Corr. Factor** CF +0.2 CF -0.1 **Corrected** 1.3 2.3 1.3 / 0.2 0.4 2.5

Date and initials of person examining contents: JB 1/25

Temperature should be above freezing to 6°C 1.1/0.0/0.2/2.3

Chain of Custody present:	☒Yes ☐No ☐N/A	
Chain of Custody relinquished:	☒Yes ☐No ☐N/A	
Samples arrived within holding time:	☒Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☒Yes ☐No ☐N/A	KET
Rush Turn Around Time requested:	☐Yes ☒No ☐N/A	
Sufficient volume:	☒Yes ☐No ☐N/A	
Correct containers used:	☒Yes ☐No ☐N/A	
Pace containers used:	☒Yes ☐No ☐N/A	
Containers intact:	☒Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☒Yes ☐No ☐N/A	
Filtered volume received for dissolved tests?	☐Yes ☐No ☒N/A	
Sample labels match COC: Date / time / ID / analyses	☒Yes ☐No ☐N/A	
Samples contain multiple phases? Matrix: WT SL	☒Yes ☐No ☐N/A	
Containers requiring pH preservation in compliance? (HNO3, H2SO4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	☒Yes ☐No ☐N/A	
Cyanide water sample checks: ☒ N/A Lead acetate strip turns dark? (Record only) Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No ☐Yes ☐No	
Trip Blank present:	☐Yes ☒No ☐N/A	
Headspace in VOA vials (>6mm):	☐Yes ☒No ☐N/A	
Samples from USDA Regulated Area: State: MO	☐Yes ☒No ☐N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☒No ☐N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: JWS Date: 1/25/18

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www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of

Section A Required Client Information:

Company:	Tetra Tech EMI
Address:	415 Oak
	Kansas City, MO 64106
Email To:	Emily.Fisher@tetratech.com
Phone: (816) 412-1755	Fax:
Requested Due Date/TAT:	Standard

Section B Required Project Information:

Report To:	Emily Fisher
Copy To:	John Simpson
Purchase Order No.:	1146252
Project Name:	Mead Hansen Building Site
Project Number:	103X902514002.043

Section C Invoice Information:

Attention:	Accounts Payable
Company Name:	Tetra Tech, Inc.
Address:	415 Oak St. Kansas City, MO 64106
Pace Quote Reference:	
Pace Project Manager:	Jeffrey Shopper 913-563-1408
Pace Profile #:	970

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: MO

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	8260 VOCs	8270 SVOCs	RCRA 8 Metals	8081 OC Pesticides	8141 OP Pesticides	8151 Herbicides	8270 DRO/ORO	8260 GRO	353.2 Nitrogen NO2/NO3	9056 Sulfate	pH	Dissolved RCRA 8 Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SB-10 (0-1) (6)WATER (2)OTHER	SL	G			1/24/18	0845		14	8					42				X	X	X	X	X	X	X	X	X			60267738	W1
2	SB-10 (3-5)						0855													X	X	X	X	X	X	X	X	X				W2
3	SB-11 (3-5)						1100													X	X	X	X	X	X	X	X	X				W3
4	SB-11 (13-15)						1120													X	X	X	X	X	X	X	X	X				W4
5	SB-12 (3-5)						1436													X	X	X	X	X	X	X	X	X				W5
6	SB-12 (13-15)						1500													X	X	X	X	X	X	X	X	X				W6
7	SB-13 (3-5)						1555													X	X	X	X	X	X	X	X	X				W7
8	SB-13 (10-12)						1615													X	X	X	X	X	X	X	X	X				W8
9																															
10																															
11																															
12																															

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		1/24/18	0900		1/25	1010	1.6	Y	Y	Y
							2.9	Y	Y	Y

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	JOHN SIMPSON		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 1/24/18				

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.08, 12-Oct-2007

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Pace Analytical
www.pacelabs.com

Section A Required Client Information:

Company:	Tetra Tech EMI
Address:	415 Oak
	Kansas City, MO 64106
Email To:	Emily.Fisher@tetratech.com
Phone: (816) 412-1755	Fax:
Requested Due Date/TAT:	Standard

Section B Required Project Information:

Report To:	Emily Fisher
Copy To:	John Simpson
Purchase Order No.:	1146252
Project Name:	Mead Hansen Building Site
Project Number:	103X7025140O2.042

Section C Invoice Information:

Attention:	Accounts Payable
Company Name:	Tetra Tech, Inc.
Address:	415 Oak St. Kansas City, MO 64106
Pace Quote Reference:	
Pace Project Manager:	Jeffrey Shopper 913-563-1408
Pace Profile #:	970

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MO

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	8260 VOCs	8270 SVOCs	RCRA 8 Metals	8081 OC Pesticides	8141 OP Pesticides	8151 Herbicides	8270 DRO/ORO	8260 GRO	353.2 Nitrogen NO2/NO3	9056 Sulfate	pH	Dissolved RCRA 8 Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SB-10 (5)AGUA (2)AGZU (2)AGUA	WT	G			1/24/18	0915		19	1	1	1	6					X	X	X	X	X	X	X	X	X	X	X	X	60262738 (2)BTEX BTBX (6)DRAH
2	SB-11						1230																							
3	SB-12						1520												X	X	X	X	X	X	X	X	X	X	X	X	
4	SB-13						1630												X	X	X	X	X	X	V	X	X	X	X	X	
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		1/25/18	0900		1/25	1010

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
1.3	Y	Y	Y
0.2	Y	Y	Y
0.4	Y	Y	Y
2.5	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JOHN SIMPSON

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 1/24/18

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.08, 12-Oct-2007

Pace Analytical®	Document Name: Sample Condition Upon Receipt	Document Revised: 09-26-17 Page 1 of 1
	Document No.: F-DAL-C-001-rev.07	Issuing Authority: Pace Dallas Quality Office

Sample Condition Upon R

WO# : 7581157

7581157

☒Dallas ☐Ft Worth

Client Name: Pace Kansas Project Work order:

Courier: FedEX ☑ UPS ☐ USPS ☐ Client ☐ LSO ☐ PACE ☐ Other:

Tracking #: 4122 4942 5852 / 4122 4942 5841

Custody Seal on Cooler/Box: Yes ☐ No ☑ **Seals Intact:** Yes ☐ No ☐ NA ☑

Packing Material: Bubble Wrap ☐ Bubble Bags ☑ Foam ☐ None ☐ Other ☐

Thermometer Used: IR- CS4 Type of Ice: Wet ☑ Blue ☐ None ☐ Sample Received on ice, cooling process has begun ☑

Cooler Temp °C: 1.6 (Recorded) -0.5 (Correction Factor) 1.1 (Actual) ☐ (Thermal preservation not required)
1.2 Temp should be above freezing to 6°C 0.7

Chain of Custody Present	Yes ☑ No ☐ NA ☐	1
Chain of Custody filled out	Yes ☑ No ☐ NA ☐	2
Chain of Custody relinquished	Yes ☑ No ☐ NA ☐	3
Sampler name & signature on COC	Yes ☐ No ☐ NA ☑	4
Sample received within HT	Yes ☑ No ☐ NA ☐	5
Short HT analyses (<72 hrs)	Yes ☐ No ☑ NA ☐	6
Rush TAT requested	Yes ☐ No ☑ NA ☐	7
Sufficient Volume received	Yes ☑ No ☐ NA ☐	8
Correct Container used Pace Container used	Yes ☑ No ☐ NA ☐ Yes ☑ No ☐ NA ☐	9
Container Intact	Yes ☑ No ☐ NA ☐	10
Unpreserved 5035A soil frozen within 48 hrs	Yes ☐ No ☐ NA ☑	11
Filtered volume received for Dissolved tests	Yes ☐ No ☐ NA ☑	12
Sample labels match COC Include date/time/ID/analyses Matrix: Solid-Water	Yes ☑ No ☐ NA ☐	13
All containers needing preservation have been checked and found to be in Compliance with EPA recommendation (includes residual chlorine checks) **Exception**: VOA, coliform, O&G	Yes ☐ No ☐ NA ☑ Yes ☐ No ☑	14a. pH Strip Lot #: Original pH: pH<2 ☐ pH>9 ☐ pH>12 ☐ Neutral ☐ Lot# of Iodine strip: Lot# of Lead Acetate strip:
Do containers require preservation at the lab	Yes ☐ No ☐ NA ☑	14b. Preservation: Lot# and adjusted pH: pH<2 ☐ pH>9 ☐ pH>12
Are soil samples (volatiles) received in Bulk ☐ Terracore ☐ EnCore ☐ NA ☑		15.
Trip Blank present Trip Blank Custody Seals Intact Pace Trip Blank Lot# (if purchased):	Yes ☐ No ☐ NA ☑ Yes ☐ No ☐ NA ☑	16.
Headspace in VOA (>6mm)	Yes ☐ No ☐ NA ☑	17.
Project sampled in USDA Regulated Area:	Yes ☐ No ☑	18. List State

Triage Person: AM Date: 1-26-18 **Login Person:** DLP Date: 1/26/18 **Labeling Person:** DLP Date: 1/26/18

Client Notification/Resolution/Comments:

Person Contacted: Date:

Comments/Resolution:

Project Manager Review:

Chain of Custody

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Workorder: 60262738 **Workorder Name:** Mead Hansen Building Site 1/24 **Owner Received Date:** 1/25/2018 **Results Requested By:** 2/8/2018

Report To	Subcontract To
Jeffrey Shopper Pace Analytical Kansas 9608 Loiret Blvd. Lenexa, KS 66219 Phone 1(913)563-1408	Pace Analytical Dallas 400 West Bethany Drive Suite 190 Allen, TX 75013 Phone (972)727-1123

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	Requested Analysis: 8141 Pesticides	8081 Pesticides	8151 Herbicides	LAB USE ONLY
1	SB-10 (0-1)	PS	1/24/2018 08:45	60262738001	Solid	2	X	X	X	001
2	SB-10 (3-5)	PS	1/24/2018 08:55	60262738002	Solid	2	X	X	X	002
3	SB-11 (3-5)	PS	1/24/2018 11:00	60262738003	Solid	2	X	X	X	003
4	SB-11 (13-15)	PS	1/24/2018 11:20	60262738004	Solid	2	X	X	X	004
5	SB-12 (3-5)	PS	1/24/2018 14:30	60262738005	Solid	2	X	X	X	005
6	SB-12 (13-15)	PS	1/24/2018 15:00	60262738006	Solid	2	X	X	X	006
7	SB-13 (3-5)	PS	1/24/2018 15:55	60262738007	Solid	2	X	X	X	007
8	SB-13 (10-12)	PS	1/24/2018 16:15	60262738008	Solid	2	X	X	X	008
9	SB-10	PS	1/24/2018 09:15	60262738009	Water	5	X	X	X	009
10	SB-12	PS	1/24/2018 15:20	60262738010	Water	5	X	X	X	010
11	SB-13	PS	1/24/2018 16:30	60262738011	Water	5	X	X	X	011

7581157

Transfers	Released By	Date/Time	Received By	Date/Time
1	[illegible]	1/24/13 [illegible]	[illegible]	1-26-17 0910
2				
3				

Comments

J-Flag results and report to MDL

Cooler Temperature on Receipt 1/1 °C 0.7 **Custody Seal** Y or (N) **Received on Ice** (Y) or N **Samples Intact** (Y) or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.*

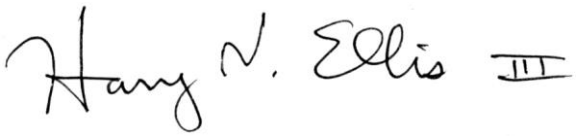
Tetra Tech, Inc.
DATA VALIDATION REPORT
LEVEL II

Site:	Mead Hansen Building Site
Laboratory:	Pace Analytical (Lenexa, Kansas)
Data Reviewer:	Harry Ellis, Tetra Tech, Inc. (Tetra Tech)
Review Date	March 7, 2018
Sample Delivery Group (SDG):	60262831
Sample Numbers:	SB-14 (3-5), SB-14 (13-15), SB-15 (3-5), SB-15 (13-14), SB-15 (14-15), SB-16 (3-5), SB-16 (13-15), Floor Drain Sediment, Floor Sweeping, SB-11, SB-11D, SB-14, SB-15, SB-16, Floor Drain Water, Equipment Blank, and Trip Blank
Sb-11, sb-11d	Nine Soil and Other Solid Samples, Six Water Samples, and Two Blank Samples

The data were qualified according to the U.S. Environmental Protection Agency (EPA) Region 7 documents entitled "Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review", dated January 2017, and "Contract Laboratory Program National Functional Guidelines for Superfund Inorganic Methods Data Review", also dated January 2017. In addition, the Tetra Tech document "Review of Data Packages from Subcontracted Laboratories" (February 2002) was used along with other criteria specified in the applicable methods.

The review was intended to identify problems and quality control (QC) deficiencies that were readily apparent from the summary data package. The following sections discuss any problems or deficiencies that were found, and data qualifications applied because of non-compliant QC. The data review was limited to the available field and laboratory QC information submitted with the project-specific data package.

I, Harry Ellis, certify that all data validation criteria outlined in the above-referenced documents were assessed, and any qualifications made to the data accorded with those documents.



7 March 2018

Certified by Harry Ellis, Chemist — Date

DATA VALIDATION QUALIFIERS

U — The analyte was not detected above the reported sample quantitation limit.

J — The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ — The analyte was not detected above the reported sample quantitation limit, which is estimated.

R — The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet QC criteria. Presence or absence of the analyte cannot be verified.

DATA ASSESSMENT

Sample delivery group (SDG) 60262831 included seven (7) environmental soil samples, two (2) other environmental solid samples, four (4) environmental groundwater samples, one (1) other environmental water sample and three (3) quality control (QC) samples (one groundwater field duplicate, one equipment blank, and one trip blank). Samples were analyzed for volatile organic compounds (VOC) by EPA SW-846 Method 8260, semivolatile organic compounds (SVOC) by EPA SW-846 Method 8270, total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO, and oil range organics (ORO) by EPA SW-846 Methods 8260 and 8270, organochlorine pesticides by EPA SW-846 Method 8081, organophosphate pesticides by EPA SW-846 Method 8141,, organochlorine herbicides by EPA SW-846 Method 8051A, total and dissolved metals by EPA SW-846 Methods 6010 and 7471 and EPA Water Methods 200.7 and 245.1, pH by EPA SW-846 Method 9045 and Standard Method 4500-H, and inorganic anions by EPA SW-846 Method 9056 and EPA Water Method 353.2. All samples did not receive all analyses. The following summarizes the data validation that was performed.

VOLATILE ORGANIC COMPOUND ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding time of 14 days from sample collection to analysis. The field duplicate sample (SB-11D) was received at the laboratory at a pH of 4, well above the preservation requirement of $\leq$2. It was analyzed on the 4th day after collection, well within the holding time requirement for non-preserved samples. No qualifications were applied.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

No MS/MSD analyses were performed on these samples due to insufficient sample volume, although soil samples from other sites were used for MS/MSD analyses. No qualifications were applied for these data gaps.

III. Blanks

The aqueous laboratory (method) blank yielded low concentrations of both trichlorobenzenes isomers and hexachloro-1,3-butadiene. None of these was detected in the field samples so no qualifications were applied. Both soil laboratory blanks yielded low concentrations (less than sample reporting limit) of the common laboratory contaminant methylene chloride. The similar concentrations (less than reporting limit) of methylene chloride in some soil samples were qualified as laboratory artifacts and flagged "U".

The trip blank yielded a low concentration of carbon disulfide. The similar concentrations of that analyte (a product of anaerobic decomposition and an industrial solvent) in samples SB-11D and SB-15 were qualified as handling artifacts and flagged "U". The considerably higher concentrations of carbon disulfide in the Floor Sweeping sample and sample SB-15 (13-14) were not qualified. The equipment blank yielded low concentrations of acetone, chloroform, and toluene. No qualifications were applied for these results.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Surrogates

Almost all surrogate recoveries were within their QC limits. The Floor Sweeping sample yielded high results for all three surrogates, two just below the acceptable maximum and one well above it. This is apparently due to matrix interference, so all detected VOC in that sample were qualified as estimated, possibly biased high, and flagged "J".

VI. Comments

Some detected concentrations were less than their reporting limits ("RL"). These low-concentration results were qualified as estimated (flagged "J"). Sample SB-16 (13-15) was analyzed at a 50-fold dilution to minimize matrix interference. As a result, the nondetected result for that sample are not comparable with those for the other soil samples.

VII. Overall Assessment of Data

Overall data quality is acceptable, with few qualifications applied. All data are usable as qualified for their intended purposes.

SEMIVOLATILE ORGANIC COMPOUND ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding time of 14 days from sample collection to extraction and 40 days to analysis. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

The solid MS/MSD analyses performed on the Floor Sweepings sample yielded recoveries below acceptance limits for most spiked compounds, analytes and surrogates both, apparently due to matrix interference from the high level of TPH in the unspiked sample. Due to the extensiveness of this interference, all SVOC results in that sample were qualified as estimated, probably biased low, and flagged "UJ".

There was insufficient sample for aqueous MS/MSD analyses. No qualifications were applied for these data gaps.

III. Blanks

The laboratory (method) and equipment blanks yielded no detectable analyte concentrations. No qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Surrogates

Most surrogate recoveries were within QC limits. No qualifications were applied in cases where only one surrogate in a class (base/neutral (B/N) or acidic) was outside limits. However, sample SB-14 yielded low recoveries for two B/N surrogates and one acidic surrogate. Therefore all B/N results in that sample were qualified as estimated, possibly biased low, and flagged "UJ". Furthermore, the Floor Sweepings sample yielded low recoveries for six surrogates due to extensive matrix interference from its high TPH content. (As noted above, this was also seen in the MS/MSD analyses.) Therefore all results for that sample were qualified as estimated, probably biased low, and flagged "UJ".

VI. Comments

Some detected concentrations were less than their RLs. These low-concentration results were qualified as estimated (flagged "J"). The Floor Drain Sediment and Floor Sweepings samples were analyzed at 5-fold dilutions to minimize matrix interference. As discussed above, this dilution was insufficient for the latter sample. No further qualifications were applied.

VII. Overall Assessment of Data

Overall data quality is acceptable, with no significant qualifications applied. All data are usable as qualified for their intended purposes.

TOTAL PETROLEUM HYDROCARBON ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding times. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Due to insufficient sample volume, the only MS/MSD analyses were for DRO/ORO in soil. Results were fully satisfactory. No qualifications were applied for the data gaps.

III. Blanks

Although most blanks yielded no detectable TPH, the soil laboratory (method) blank yielded a low concentration of ORO. Soil ORO results less than their reporting limits in some samples were qualified as laboratory artifacts and flagged "U". Soil ORO results above their reporting limit, but less than 10 times the blank concentration, such as that in sample SB-4 (3-5) were qualified as estimated, possibly biased high, and flagged "J". Concentration more than 10 times the blank concentration were not qualified.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Surrogates

Most field sample surrogate recoveries were within QC limits. The exception was the diluted samples (see next section), whose surrogate recoveries could not be determined. No qualifications were applied for these data gaps..

VI. Comments

Some detected concentrations were less than their RLs. These low-concentration results were qualified as estimated (flagged "J"). The Floor Drain Sediment and Floor Sweepings samples were analyzed at 10-fold dilutions to bring their high concentrations of DRO and ORO within calibration range.

VII. Overall Assessment of Data

Overall data quality is acceptable, with no major qualifications applied. All data are usable as qualified for their intended purposes.

ORGANOCHLORINE PESTICIDES ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding times. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

The MS/MSD analyses performed on samples from a different data package were not evaluated here. No qualifications were applied to these samples.

III. Blanks

The laboratory (method) and field equipment blanks yielded no detectable analytes. No qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Surrogates

Most surrogate recoveries were within the NFG limits of 30 to 150 percent. However, both surrogates in the Floor Drain Sediment yielded recoveries below those limits. Therefore the results for that sample were qualified as estimated, possibly biased low, and flagged "J" or "UJ", as appropriate. The first surrogate in the Floor Sweepings sample yielded an excessive recovery. Therefore the detected results from that sample were qualified as estimated, possibly biased high, and flagged "J". No further qualifications were applied.

VI. Comments

Some detected concentrations were less than their RLs. These low-concentration results were qualified as estimated (flagged "J"). The Floor Drain Sediment and Floor Sweepings samples were analyzed at 10-fold dilutions to minimize matrix interference and bring some high-concentration results within calibration range. The Floor Sweepings sample extract was re-analyzed at a further 5-fold dilution (total 50-fold dilution) for technical chlordane and its isomers, to bring their results within (or closer to) calibration range.

VII. Overall Assessment of Data

Overall data quality is acceptable, with no significant qualifications applied. All data are usable as qualified for their intended purposes.

ORGANOPHOSPHATE PESTICIDES ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding times. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

The MS/MSD analyses were performed on samples from another data package and are discussed in that report. No qualifications were applied to these samples.

III. Blanks

The laboratory (method) and field equipment blanks yielded no detectable analytes. No qualifications were applied.

IV. Laboratory Control Sample (LCS)

The recoveries from the LCS analyses were well within limits. No qualifications were applied.

V. Surrogates

Almost all surrogate recoveries were within QC limits. The only exceptions were the excessive recoveries of both surrogates in the Floor Sweepings sample. Sue to this apparent matrix interference, the detected result in that sample was qualified as estimated, possibly biased high, and flagged "J". No further qualifications were applied.

VI. Comments

Some detected concentrations were less than their RLs. These low-concentration results were qualified as estimated (flagged "J"). The Floor Drain Sediment and Floor Sweepings samples were analyzed at 10-fold dilutions and the Floor Drain Water sample at a 5-fold dilution to minimize matrix interference. No further qualifications were applied.

VII. Overall Assessment of Data

Overall data quality is acceptable, with few qualifications applied. All data are usable as qualified for their intended purposes.

ORGANOCHLORINE HERBICIDES ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding times. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

The MS/MSD analyses performed on samples from other packages and sites were not evaluated.

The water MS analysis (there was insufficient sample volume for a MSD analysis) performed on sample SB-14 yielded excessive recoveries for 2,4-DB and dinoseb. Neither was detected in the unspiked sample so no qualifications were applied. It also yielded a slightly low (81 percent, versus limits of 85 to 151 percent) recovery for dichloroprop. No qualification was applied for that minor irregularity.

III. Blanks

The laboratory (method) and field equipment blanks yielded no detectable analytes. No qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Surrogates

Most surrogate recoveries were within QC limits. Sample SB-16 yielded an excessive recovery. No analytes were detected so no qualifications were applied. However, sample SB-14 (13-15) yielded a recovery well below limits. Therefore the nondetected results for that sample were qualified as estimated, possibly biased low, and flagged "UJ".

VI. Comments

Some detected concentrations were less than their RLs. These low-concentration results were qualified as estimated (flagged "J"). The Floor Drain Sediment and Floor Sweepings samples were analyzed at 100-fold dilutions to minimize matrix interference, and the Floor Drain Water sample was re-analyzed at a 10-fold dilution to bring the high concentrations of 2,4-D and dichloroprop within calibration range.. No further qualifications were applied.

VII. Overall Assessment of Data

Overall data quality is acceptable, with some qualifications applied. All data are usable as qualified for their intended purposes.

METALS ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The samples were received by the laboratory and analyzed within the established holding times of 28 days (for mercury) and 6 months (for all other metals) from sample collection to analysis. No data were qualified.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSD analyses performed on samples from another data package were not evaluated. All other MS/MSD results were within limits so no qualifications were applied.

III. Blanks

No analytes were detected in the laboratory and field equipment blanks. No qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Comments

Some detected concentrations were less than their RLs. These low-concentration results were qualified as estimated (flagged "J"). The Floor Sweeping sample was analyzed at a 2-fold dilution for mercury, to bring that result well within calibration range. No qualification was applied.

The field duplicate results yielded very poor agreement. Sample SB-11D contained approximately 10 times the suspended matter (and, therefore, the total metals) of the primary sample. But sample SB-11 yielded about three times the dissolved metals concentrations as its field duplicate. Due to this uncertainty in the true metals concentrations in the groundwater in that soil boring, all detected metals results for the field duplicate pair were qualified as estimated and flagged "J". Similar irregularities may exist at other locations, especially with respect to total suspended matter.

VI. Overall Assessment of Data

Overall data quality is acceptable, with few qualifications applied. All data are usable as qualified for their intended purposes.

IONS ANALYSES

I. Holding Time and Chain of Custody (COC) Requirements

The holding time for pH analyses is "as soon as possible", generally interpreted as within 15 minutes of sampling (for water) or of preparation (for soil). The pH analyses were performed several days after sampling, so the water results were qualified as estimated and flagged "J". All other holding time requirements were met so no further qualifications were applied.

II. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

The aqueous nitrogen (nitrate plus nitrite) MS analysis performed on the Floor Drain Water sample yielded a recovery of 77 percent, well below its limits of 90 to 110 percent. Therefore the result for that analyte in that sample was qualified as estimated, possibly biased low, and flagged "J".

III. Blanks

No analytes were detected in the laboratory and equipment blanks. No qualifications were applied.

IV. Laboratory Control Sample (LCS)

All percent recoveries from the LCS analyses were within established control limits. No qualifications were applied.

V. Comments

Some detected soil sulfate concentrations were less than their RLs. These low-concentration results were qualified as estimated (flagged "J"). Most analyses for sulfate and nitrogen species were performed at various dilutions to minimize matrix interference. Therefore some nondetected results are not fully comparable.

VI. Overall Assessment of Data

Overall data quality is acceptable, with no significant qualifications applied. All data are usable as qualified for their intended purposes.

Pace Analytical Services, LLC
9608 Loiret Blvd.
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February 12, 2018

Emily Fisher
TETRA TECH EMI
415 Oak
Kansas City, MO 64106

RE: Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Dear Emily Fisher:
Enclosed are the analytical results for sample(s) received by the laboratory on January 26, 2018. 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,

Jeffrey Shopper
jeff.shopper@pacelabs.com
1(913)563-1408
Project Manager

Enclosures

cc: John Simpson, TETRA TECH EMI

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CERTIFICATIONS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 17-016-0
Illinois Certification #: 200030
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212018-1
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407
Utah Certification #: KS00021
Kansas Field Laboratory Accreditation: # E-92587
Missouri Certification: 10070

Dallas Certification IDs:

400 West Bethany Dr Suite 190, Allen, TX 75013
EPA# TX00074
Florida Certification #: E871118
Texas Certification #: T104704232
Kansas Certification #: E-10388
Arkansas Certification #: 88-0647
Oklahoma Certification #: 8727
Louisiana Certification #: 30686
Iowa Certification #: 408
Florida Certification #: E871118
Nevada Certification #: TX00074

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SAMPLE SUMMARY

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60262831001	**SB-14 (3-5)**	Solid	01/25/18 09:00	01/26/18 10:25
60262831002	**SB-14 (13-15)**	Solid	01/25/18 09:10	01/26/18 10:25
60262831003	**SB-15 (3-5)**	Solid	01/25/18 10:10	01/26/18 10:25
60262831004	**SB-15 (13-14)**	Solid	01/25/18 10:20	01/26/18 10:25
60262831005	**SB-15 (14-15)**	Solid	01/25/18 10:30	01/26/18 10:25
60262831006	**SB-16 (3-5)**	Solid	01/25/18 11:10	01/26/18 10:25
60262831007	**SB-16 (13-15)**	Solid	01/25/18 11:20	01/26/18 10:25
60262831008	**SB-11**	Water	01/25/18 08:30	01/26/18 10:25
60262831009	**SB-14**	Water	01/25/18 13:20	01/26/18 10:25
60262831010	**SB-16**	Water	01/25/18 13:50	01/26/18 10:25
60262831011	**SB-15**	Water	01/25/18 14:20	01/26/18 10:25
60262831012	**SB-11D**	Water	01/25/18 16:10	01/26/18 10:25
60262831013	**EQUIPMENT BLANK**	Water	01/25/18 16:50	01/26/18 10:25
60262831014	**TRIP BLANK**	Water	01/25/18 08:30	01/26/18 10:25
60262831015	**FLOOR DRAIN SEDIMENT**	Solid	01/26/18 08:50	01/26/18 10:25
60262831016	**FLOOR SWEEPING**	Solid	01/26/18 09:00	01/26/18 10:25
60262831017	**FLOOR DRAIN WATER**	Water	01/26/18 10:00	01/26/18 10:25

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SAMPLE ANALYTE COUNT

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60262831001	**SB-14 (3-5)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	SMW	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262831002	**SB-14 (13-15)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	SMW	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262831003	**SB-15 (3-5)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	SMW	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262831004	**SB-15 (13-14)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	SMW	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262831005	**SB-15 (14-15)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	SMW	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262831006	**SB-16 (3-5)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	SMW	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K

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SAMPLE ANALYTE COUNT

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262831007	**SB-16 (13-15)**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	SMW	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262831008	**SB-11**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 6010	JGP	7	PASI-K
		EPA 7470	JRS	1	PASI-K
		EPA 7470	SMW	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5030B/8260	PGH	69	PASI-K
		EPA 8260	EAG	4	PASI-K
		SM 4500-H+B	MJK	1	PASI-K
		EPA 353.2	RAD	1	PASI-K
		EPA 9056	OL	1	PASI-K
60262831009	**SB-14**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 6010	JGP	7	PASI-K
		EPA 7470	JRS	1	PASI-K

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SAMPLE ANALYTE COUNT

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7470	SMW	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5030B/8260	PGH	69	PASI-K
		EPA 8260	EAG	4	PASI-K
		SM 4500-H+B	MJK	1	PASI-K
		EPA 353.2	RAD	1	PASI-K
		EPA 9056	OL	1	PASI-K
60262831010	**SB-16**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 6010	JGP	7	PASI-K
		EPA 7470	JRS	1	PASI-K
		EPA 7470	SMW	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5030B/8260	PGH	69	PASI-K
		EPA 8260	EAG	4	PASI-K
		SM 4500-H+B	MJK	1	PASI-K
		EPA 353.2	RAD	1	PASI-K
		EPA 9056	LDB	1	PASI-K
60262831011	**SB-15**	EPA 6010	JGP	7	PASI-K
		EPA 7470	JRS	1	PASI-K
		EPA 5030B/8260	PGH	69	PASI-K
		EPA 8260	EAG	4	PASI-K
60262831012	**SB-11D**	EPA 6010	JGP	7	PASI-K
		EPA 6010	JGP	7	PASI-K
		EPA 7470	JRS	1	PASI-K
		EPA 7470	SMW	1	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5030B/8260	PGH	69	PASI-K
		EPA 8260	EAG	4	PASI-K
60262831013	**EQUIPMENT BLANK**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K

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SAMPLE ANALYTE COUNT

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	JGP	7	PASI-K
		EPA 7470	JRS	1	PASI-K
		EPA 7470	SMW	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5030B/8260	PGH	69	PASI-K
		EPA 8260	EAG	4	PASI-K
		SM 4500-H+B	MJK	1	PASI-K
		EPA 353.2	RAD	1	PASI-K
		EPA 9056	OL	1	PASI-K
60262831014	**TRIP BLANK**	EPA 5030B/8260	PGH	69	PASI-K
60262831015	**FLOOR DRAIN SEDIMENT**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	SMW	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K
60262831016	**FLOOR SWEEPING**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	SMW	7	PASI-K
		EPA 7471	JRS	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5035A/8260	JKL	1	PASI-K
		EPA 8260	JKL	68	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9045	JSS	1	PASI-K
		EPA 9056	LDB	1	PASI-K
		EPA 9056	LDB	2	PASI-K

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SAMPLE ANALYTE COUNT

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60262831017	**FLOOR DRAIN WATER**	EPA 8081	MS1	24	PASI-D
		EPA 8141A	MS1	26	PASI-D
		EPA 8151	JS	11	PASI-D
		EPA 6010	JGP	7	PASI-K
		EPA 6010	JGP	7	PASI-K
		EPA 7470	JRS	1	PASI-K
		EPA 7470	SMW	1	PASI-K
		EPA 8270	JMT	73	PASI-K
		EPA 8270	JMT	5	PASI-K
		EPA 5030B/8260	PGH	69	PASI-K
		EPA 8260	EAG	4	PASI-K
		SM 4500-H+B	MJK	1	PASI-K
		EPA 353.2	RAD	1	PASI-K
		EPA 9056	LDB	1	PASI-K

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8081**
Description: 8081 GCS Pesticides
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
14 samples were analyzed for EPA 8081. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 91580

S1: Surrogate recovery outside laboratory control limits (confirmed by re-analysis).

- SB-15 (14-15) (Lab ID: 60262831005)
  - Decachlorobiphenyl (S)
- SB-15 (3-5) (Lab ID: 60262831003)
  - Tetrachloro-m-xylene (S)
- SB-16 (13-15) (Lab ID: 60262831007)
  - Decachlorobiphenyl (S)
  - Tetrachloro-m-xylene (S)
- SB-16 (3-5) (Lab ID: 60262831006)
  - Tetrachloro-m-xylene (S)

S2: Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).

- FLOOR DRAIN SEDIMENT (Lab ID: 60262831015)
  - Decachlorobiphenyl (S)
  - Tetrachloro-m-xylene (S)
- FLOOR SWEEPING (Lab ID: 60262831016)
  - Tetrachloro-m-xylene (S)

QC Batch: 91634

S1: Surrogate recovery outside laboratory control limits (confirmed by re-analysis).

- EQUIPMENT BLANK (Lab ID: 60262831013)
  - Decachlorobiphenyl (S)
  - Tetrachloro-m-xylene (S)

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8081**
Description: 8081 GCS Pesticides
Client: TETRA TECH EMI
Date: February 12, 2018

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 91580

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262738001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 405975)
  - Dieldrin
  - Endosulfan I
  - Endosulfan sulfate
  - Endrin ketone
- MSD (Lab ID: 405976)
  - Endosulfan I
  - Endosulfan sulfate
  - Endrin ketone

Additional Comments:

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8141A**
Description: 8141 O/P Pesticides Microwave
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
9 samples were analyzed for EPA 8141A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 91581

S4: Surrogate recovery not evaluated against control limits due to sample dilution.
- FLOOR SWEEPING (Lab ID: 60262831016)
  - Tributylphosphate (S)
  - Triphenylphosphate (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 91581

N2: The lab does not hold NELAC/TNI accreditation for this parameter.
- BLANK (Lab ID: 405989)
  - Total Demeton
  - Total Merphos
- FLOOR DRAIN SEDIMENT (Lab ID: 60262831015)
  - Total Demeton

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8141A**
Description: 8141 O/P Pesticides Microwave
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 91581

N2: The lab does not hold NELAC/TNI accreditation for this parameter.

- FLOOR DRAIN SEDIMENT (Lab ID: 60262831015)
  - Total Merphos
- FLOOR SWEEPING (Lab ID: 60262831016)
  - Total Demeton
  - Total Merphos
- LCS (Lab ID: 405990)
  - Total Demeton
  - Total Merphos
- MS (Lab ID: 405991)
  - Total Demeton
  - Total Merphos
- MSD (Lab ID: 405992)
  - Total Demeton
  - Total Merphos
- SB-14 (13-15) (Lab ID: 60262831002)
  - Total Demeton
  - Total Merphos
- SB-14 (3-5) (Lab ID: 60262831001)
  - Total Demeton
  - Total Merphos
- SB-15 (13-14) (Lab ID: 60262831004)
  - Total Demeton
  - Total Merphos
- SB-15 (14-15) (Lab ID: 60262831005)
  - Total Demeton
  - Total Merphos
- SB-15 (3-5) (Lab ID: 60262831003)
  - Total Demeton
  - Total Merphos
- SB-16 (13-15) (Lab ID: 60262831007)
  - Total Demeton
  - Total Merphos
- SB-16 (3-5) (Lab ID: 60262831006)
  - Total Demeton
  - Total Merphos

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8141A**
Description: 8141 GCS, O/P Pesticides
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
5 samples were analyzed for EPA 8141A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8151**
Description: 8151 Chlorinated Herbicides
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
14 samples were analyzed for EPA 8151. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 8151 with any exceptions noted below.

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 91703

S1: Surrogate recovery outside laboratory control limits (confirmed by re-analysis).
- FLOOR DRAIN WATER (Lab ID: 60262831017)
  - 2,4-DCAA (S)

S3: Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.
- SB-16 (Lab ID: 60262831010)
  - 2,4-DCAA (S)

QC Batch: 91886

S1: Surrogate recovery outside laboratory control limits (confirmed by re-analysis).
- SB-14 (13-15) (Lab ID: 60262831002)
  - 2,4-DCAA (S)
- SB-16 (13-15) (Lab ID: 60262831007)
  - 2,4-DCAA (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8151**
Description: 8151 Chlorinated Herbicides
Client: TETRA TECH EMI
Date: February 12, 2018

QC Batch: 91703

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262831009

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 406516)
  - 2,4-DB
  - Dichloroprop
  - Dinoseb

QC Batch: 91886

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262738005

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 407448)
  - Dalapon
  - Dicamba
  - Dinoseb
- MSD (Lab ID: 407449)
  - Dalapon
  - Dicamba
  - MCPP

R1: RPD value was outside control limits.

- MSD (Lab ID: 407449)
  - Dicamba
  - Dinoseb
  - MCPP

Additional Comments:

Analyte Comments:

QC Batch: 91703

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

- MS (Lab ID: 406516)
  - Dinoseb

QC Batch: 91886

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- FLOOR DRAIN SEDIMENT (Lab ID: 60262831015)
  - 2,4-DCAA (S)
- FLOOR SWEEPING (Lab ID: 60262831016)
  - 2,4-DCAA (S)

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 6010**
Description: 6010 MET ICP Red. Interference
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
9 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 6010**
Description: 6010 MET ICP
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
7 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 513465

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- SB-11D (Lab ID: 60262831012)
  - Silver
- SB-15 (Lab ID: 60262831011)
  - Silver

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 6010**
Description: 6010 MET ICP, Dissolved (LF)
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
6 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 7470**
Description: 7470 Mercury
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
7 samples were analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 7470**
Description: 7470 Mercury, Dissolved (LF)
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
6 samples were analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 7471**
Description: 7471 Mercury
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
9 samples were analyzed for EPA 7471. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8270**
Description: 8270 MSSV Semivolatiles
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
9 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 512424

S2: Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).

- FLOOR SWEEPING (Lab ID: 60262831016)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorobiphenyl (S)
  - 2-Fluorophenol (S)
  - Nitrobenzene-d5 (S)
  - Phenol-d6 (S)
  - Terphenyl-d14 (S)
- MS (Lab ID: 2097906)
  - 2-Fluorobiphenyl (S)
- MSD (Lab ID: 2097907)
  - 2-Fluorobiphenyl (S)
  - 2-Fluorophenol (S)
  - Nitrobenzene-d5 (S)
  - Phenol-d6 (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8270**
Description: 8270 MSSV Semivolatiles
Client: TETRA TECH EMI
Date: February 12, 2018

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 512424

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262831016

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2097906)
  - 1,3-Dichlorobenzene
  - 1,4-Dichlorobenzene
  - 2,4-Dichlorophenol
  - 2,4-Dinitrophenol
  - 3,3'-Dichlorobenzidine
  - 4,6-Dinitro-2-methylphenol
  - 4-Chloro-3-methylphenol
  - Benzyl alcohol
  - Hexachlorocyclopentadiene
  - Isophorone
  - bis(2-Chloroethoxy)methane
- MSD (Lab ID: 2097907)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dichlorobenzene
  - 1,3-Dichlorobenzene
  - 1,4-Dichlorobenzene
  - 2,4,5-Trichlorophenol
  - 2,4,6-Trichlorophenol
  - 2,4-Dichlorophenol
  - 2,4-Dinitrophenol
  - 2-Chloronaphthalene
  - 2-Chlorophenol
  - 2-Methylnaphthalene
  - 3,3'-Dichlorobenzidine
  - 4,6-Dinitro-2-methylphenol
  - 4-Bromophenylphenyl ether
  - 4-Chloro-3-methylphenol
  - 4-Chlorophenylphenyl ether
  - Acenaphthene
  - Acenaphthylene
  - Benzyl alcohol
  - Carbazole
  - Dibenzofuran
  - Diethylphthalate
  - Dimethylphthalate

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8270**
Description: 8270 MSSV Semivolatiles
Client: TETRA TECH EMI
Date: February 12, 2018

QC Batch: 512424

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262831016

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- Hexachloro-1,3-butadiene
- Hexachlorobenzene
- Hexachlorocyclopentadiene
- Hexachloroethane
- Isophorone
- N-Nitroso-di-n-propylamine
- Naphthalene
- Nitrobenzene
- Phenanthrene
- Phenol
- bis(2-Chloroethoxy)methane
- bis(2-Chloroethyl) ether
- bis(2-Chloroisopropyl) ether

Additional Comments:

Analyte Comments:

QC Batch: 512424

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- FLOOR DRAIN SEDIMENT (Lab ID: 60262831015)
  - Nitrobenzene-d5 (S)
- FLOOR SWEEPING (Lab ID: 60262831016)
  - Nitrobenzene-d5 (S)
- MS (Lab ID: 2097906)
  - Nitrobenzene-d5 (S)
- MSD (Lab ID: 2097907)
  - Nitrobenzene-d5 (S)

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
5 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 512013

S0: Surrogate recovery outside laboratory control limits.

- SB-11 (Lab ID: 60262831008)
  - Nitrobenzene-d5 (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 512013

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

QC Batch: 512591

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 512013

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- EQUIPMENT BLANK (Lab ID: 60262831013)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dichlorobenzene
  - 1,3-Dichlorobenzene
  - 1,4-Dichlorobenzene
  - 2,4,6-Trichlorophenol
  - 2,4-Dichlorophenol
  - 2,4-Dimethylphenol
  - 2,4-Dinitrophenol
  - 2,4-Dinitrotoluene
  - 2,4,5-Trichlorophenol
  - 2,6-Dinitrotoluene
  - 2-Chloronaphthalene
  - 2-Chlorophenol
  - 2-Methylphenol(o-Cresol)
  - 2-Methylnaphthalene
  - 2-Nitroaniline
  - 2-Nitrophenol
  - 3,3'-Dichlorobenzidine
  - 3&4-Methylphenol(m&p Cresol)
  - 3-Nitroaniline
  - 4,6-Dinitro-2-methylphenol
  - 4-Bromophenylphenyl ether
  - 4-Chloro-3-methylphenol
  - 4-Chloroaniline
  - 4-Chlorophenylphenyl ether
  - 4-Nitroaniline
  - 4-Nitrophenol
  - Acenaphthene
  - Acenaphthylene
  - Anthracene
  - Butylbenzylphthalate
  - Benzoic acid
  - Benzyl alcohol
  - Benzo(k)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(a)anthracene
  - Benzo(b)fluoranthene
  - Benzo(a)pyrene
  - bis(2-Chloroethoxy)methane
  - bis(2-Chloroethyl) ether
  - bis(2-Chloroisopropyl) ether
  - bis(2-Ethylhexyl)phthalate

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 512013

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- EQUIPMENT BLANK (Lab ID: 60262831013)
  - Carbazole
  - Chrysene
  - Dibenz(a,h)anthracene
  - Dibenzofuran
  - Dimethylphthalate
  - Di-n-butylphthalate
  - Di-n-octylphthalate
  - Diethylphthalate
  - Fluorene
  - Fluoranthene
  - Hexachloro-1,3-butadiene
  - Hexachlorobenzene
  - Hexachlorocyclopentadiene
  - Hexachloroethane
  - Indeno(1,2,3-cd)pyrene
  - Isophorone
  - Naphthalene
  - N-Nitroso-di-n-propylamine
  - Nitrobenzene
  - N-Nitrosodiphenylamine
  - Phenol
  - Phenanthrene
  - Pentachlorophenol
  - Pyrene
  - Pyridine
- FLOOR DRAIN WATER (Lab ID: 60262831017)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dichlorobenzene
  - 1,3-Dichlorobenzene
  - 1,4-Dichlorobenzene
  - 2,4,6-Trichlorophenol
  - 2,4-Dichlorophenol
  - 2,4-Dimethylphenol
  - 2,4-Dinitrophenol
  - 2,4-Dinitrotoluene
  - 2,4,5-Trichlorophenol
  - 2,6-Dinitrotoluene
  - 2-Chloronaphthalene
  - 2-Chlorophenol
  - 2-Methylphenol(o-Cresol)
  - 2-Methylnaphthalene
  - 2-Nitroaniline

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 512013

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- FLOOR DRAIN WATER (Lab ID: 60262831017)
  - 2-Nitrophenol
  - 3,3'-Dichlorobenzidine
  - 3&4-Methylphenol(m&p Cresol)
  - 3-Nitroaniline
  - 4,6-Dinitro-2-methylphenol
  - 4-Bromophenylphenyl ether
  - 4-Chloro-3-methylphenol
  - 4-Chloroaniline
  - 4-Chlorophenylphenyl ether
  - 4-Nitroaniline
  - 4-Nitrophenol
  - Acenaphthene
  - Acenaphthylene
  - Anthracene
  - Butylbenzylphthalate
  - Benzoic acid
  - Benzyl alcohol
  - Benzo(k)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(a)anthracene
  - Benzo(b)fluoranthene
  - Benzo(a)pyrene
  - bis(2-Chloroethoxy)methane
  - bis(2-Chloroethyl) ether
  - bis(2-Chloroisopropyl) ether
  - bis(2-Ethylhexyl)phthalate
  - Carbazole
  - Chrysene
  - Dibenz(a,h)anthracene
  - Dibenzofuran
  - Dimethylphthalate
  - Di-n-butylphthalate
  - Di-n-octylphthalate
  - Diethylphthalate
  - Fluorene
  - Fluoranthene
  - Hexachloro-1,3-butadiene
  - Hexachlorobenzene
  - Hexachlorocyclopentadiene
  - Hexachloroethane
  - Indeno(1,2,3-cd)pyrene
  - Isophorone

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 512013

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- FLOOR DRAIN WATER (Lab ID: 60262831017)
  - Naphthalene
  - N-Nitroso-di-n-propylamine
  - Nitrobenzene
  - N-Nitrosodiphenylamine
  - Phenol
  - Phenanthrene
  - Pentachlorophenol
  - Pyrene
  - Pyridine
- SB-11 (Lab ID: 60262831008)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dichlorobenzene
  - 1,3-Dichlorobenzene
  - 1,4-Dichlorobenzene
  - 2,4,6-Trichlorophenol
  - 2,4-Dichlorophenol
  - 2,4-Dimethylphenol
  - 2,4-Dinitrophenol
  - 2,4-Dinitrotoluene
  - 2,4,5-Trichlorophenol
  - 2,6-Dinitrotoluene
  - 2-Chloronaphthalene
  - 2-Chlorophenol
  - 2-Methylphenol(o-Cresol)
  - 2-Methylnaphthalene
  - 2-Nitroaniline
  - 2-Nitrophenol
  - 3,3'-Dichlorobenzidine
  - 3&4-Methylphenol(m&p Cresol)
  - 3-Nitroaniline
  - 4,6-Dinitro-2-methylphenol
  - 4-Bromophenylphenyl ether
  - 4-Chloro-3-methylphenol
  - 4-Chloroaniline
  - 4-Chlorophenylphenyl ether
  - 4-Nitroaniline
  - 4-Nitrophenol
  - Acenaphthene
  - Acenaphthylene
  - Anthracene
  - Butylbenzylphthalate
  - Benzoic acid

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 512013

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-11 (Lab ID: 60262831008)
  - Benzyl alcohol
  - Benzo(k)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(a)anthracene
  - Benzo(b)fluoranthene
  - Benzo(a)pyrene
  - bis(2-Chloroethoxy)methane
  - bis(2-Chloroethyl) ether
  - bis(2-Chloroisopropyl) ether
  - bis(2-Ethylhexyl)phthalate
  - Carbazole
  - Chrysene
  - Dibenz(a,h)anthracene
  - Dibenzofuran
  - Dimethylphthalate
  - Di-n-butylphthalate
  - Di-n-octylphthalate
  - Diethylphthalate
  - Fluorene
  - Fluoranthene
  - Hexachloro-1,3-butadiene
  - Hexachlorobenzene
  - Hexachlorocyclopentadiene
  - Hexachloroethane
  - Indeno(1,2,3-cd)pyrene
  - Isophorone
  - Naphthalene
  - N-Nitroso-di-n-propylamine
  - Nitrobenzene
  - N-Nitrosodiphenylamine
  - Phenol
  - Phenanthrene
  - Pentachlorophenol
  - Pyrene
  - Pyridine
- SB-16 (Lab ID: 60262831010)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dichlorobenzene
  - 1,3-Dichlorobenzene
  - 1,4-Dichlorobenzene
  - 2,4,6-Trichlorophenol
  - 2,4-Dichlorophenol

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 512013

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-16 (Lab ID: 60262831010)
  - 2,4-Dimethylphenol
  - 2,4-Dinitrophenol
  - 2,4-Dinitrotoluene
  - 2,4,5-Trichlorophenol
  - 2,6-Dinitrotoluene
  - 2-Chloronaphthalene
  - 2-Chlorophenol
  - 2-Methylphenol(o-Cresol)
  - 2-Methylnaphthalene
  - 2-Nitroaniline
  - 2-Nitrophenol
  - 3,3'-Dichlorobenzidine
  - 3&4-Methylphenol(m&p Cresol)
  - 3-Nitroaniline
  - 4,6-Dinitro-2-methylphenol
  - 4-Bromophenylphenyl ether
  - 4-Chloro-3-methylphenol
  - 4-Chloroaniline
  - 4-Chlorophenylphenyl ether
  - 4-Nitroaniline
  - 4-Nitrophenol
  - Acenaphthene
  - Acenaphthylene
  - Anthracene
  - Butylbenzylphthalate
  - Benzoic acid
  - Benzyl alcohol
  - Benzo(k)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(a)anthracene
  - Benzo(b)fluoranthene
  - Benzo(a)pyrene
  - bis(2-Chloroethoxy)methane
  - bis(2-Chloroethyl) ether
  - bis(2-Chloroisopropyl) ether
  - bis(2-Ethylhexyl)phthalate
  - Carbazole
  - Chrysene
  - Dibenz(a,h)anthracene
  - Dibenzofuran
  - Dimethylphthalate
  - Di-n-butylphthalate

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 512013

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-16 (Lab ID: 60262831010)
  - Di-n-octylphthalate
  - Diethylphthalate
  - Fluorene
  - Fluoranthene
  - Hexachloro-1,3-butadiene
  - Hexachlorobenzene
  - Hexachlorocyclopentadiene
  - Hexachloroethane
  - Indeno(1,2,3-cd)pyrene
  - Isophorone
  - Naphthalene
  - N-Nitroso-di-n-propylamine
  - Nitrobenzene
  - N-Nitrosodiphenylamine
  - Phenol
  - Phenanthrene
  - Pentachlorophenol
  - Pyrene
  - Pyridine

QC Batch: 512591

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-14 (Lab ID: 60262831009)
  - 1,2,4-Trichlorobenzene
  - 1,2-Dichlorobenzene
  - 1,3-Dichlorobenzene
  - 1,4-Dichlorobenzene
  - 2,4,6-Trichlorophenol
  - 2,4-Dichlorophenol
  - 2,4-Dimethylphenol
  - 2,4-Dinitrophenol
  - 2,4-Dinitrotoluene
  - 2,4,5-Trichlorophenol
  - 2,6-Dinitrotoluene
  - 2-Chloronaphthalene
  - 2-Chlorophenol
  - 2-Methylphenol(o-Cresol)
  - 2-Methylnaphthalene
  - 2-Nitroaniline
  - 2-Nitrophenol
  - 3,3'-Dichlorobenzidine
  - 3&4-Methylphenol(m&p Cresol)

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 512591

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-14 (Lab ID: 60262831009)
  - 3-Nitroaniline
  - 4,6-Dinitro-2-methylphenol
  - 4-Bromophenylphenyl ether
  - 4-Chloro-3-methylphenol
  - 4-Chloroaniline
  - 4-Chlorophenylphenyl ether
  - 4-Nitroaniline
  - 4-Nitrophenol
  - Acenaphthene
  - Acenaphthylene
  - Anthracene
  - Butylbenzylphthalate
  - Benzoic acid
  - Benzyl alcohol
  - Benzo(k)fluoranthene
  - Benzo(g,h,i)perylene
  - Benzo(a)anthracene
  - Benzo(b)fluoranthene
  - Benzo(a)pyrene
  - bis(2-Chloroethoxy)methane
  - bis(2-Chloroethyl) ether
  - bis(2-Chloroisopropyl) ether
  - bis(2-Ethylhexyl)phthalate
  - Carbazole
  - Chrysene
  - Dibenz(a,h)anthracene
  - Dibenzofuran
  - Dimethylphthalate
  - Di-n-butylphthalate
  - Di-n-octylphthalate
  - Diethylphthalate
  - Fluorene
  - Fluoranthene
  - Hexachloro-1,3-butadiene
  - Hexachlorobenzene
  - Hexachlorocyclopentadiene
  - Hexachloroethane
  - Indeno(1,2,3-cd)pyrene
  - Isophorone
  - Naphthalene
  - N-Nitroso-di-n-propylamine
  - Nitrobenzene

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8270**
Description: 8270 MSSV Semivolatile Organic
Client: TETRA TECH EMI
Date: February 12, 2018

Analyte Comments:

QC Batch: 512591

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- SB-14 (Lab ID: 60262831009)
  - N-Nitrosodiphenylamine
  - Phenol
  - Phenanthrene
  - Pentachlorophenol
  - Pyrene
  - Pyridine

2e: Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-extraction and re-analysis).

- SB-14 (Lab ID: 60262831009)
  - 2,4,6-Tribromophenol (S)
  - Nitrobenzene-d5 (S)
  - Terphenyl-d14 (S)

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8270**
Description: 8270 MSSV DRO/ORO
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
15 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 512423

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- FLOOR DRAIN SEDIMENT (Lab ID: 60262831015)
  - 2-Fluorobiphenyl (S)
  - Nitrobenzene-d5 (S)
  - Terphenyl-d14 (S)
- FLOOR SWEEPING (Lab ID: 60262831016)
  - 2-Fluorobiphenyl (S)
  - Nitrobenzene-d5 (S)
  - Terphenyl-d14 (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 512423

B: Analyte was detected in the associated method blank.

- BLANK for HBN 512423 [OEXT/631 (Lab ID: 2097900)
  - TPH-ORO

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8270**
Description: 8270 MSSV DRO/ORO
Client: TETRA TECH EMI
Date: February 12, 2018

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 512078

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Analyte Comments:

QC Batch: 512078

1e: A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

- EQUIPMENT BLANK (Lab ID: 60262831013)
  - TPH-DRO
  - TPH-ORO
- FLOOR DRAIN WATER (Lab ID: 60262831017)
  - TPH-DRO
  - TPH-ORO
- SB-11 (Lab ID: 60262831008)
  - TPH-DRO
  - TPH-ORO
- SB-11D (Lab ID: 60262831012)
  - TPH-DRO
  - TPH-ORO
- SB-14 (Lab ID: 60262831009)
  - TPH-DRO
  - TPH-ORO
- SB-16 (Lab ID: 60262831010)
  - TPH-DRO
  - TPH-ORO

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 5035A/8260**
Description: 8260 MSV GRO and Oxygenates
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
9 samples were analyzed for EPA 5035A/8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 512196

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 5030B/8260**
Description: 8260 MSV
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
8 samples were analyzed for EPA 5030B/8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

pH: Post-analysis pH measurement indicates insufficient VOA sample preservation.
- SB-11D (Lab ID: 60262831012)

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 512379

B: Analyte was detected in the associated method blank.
- BLANK for HBN 512379 [MSV/8734 (Lab ID: 2097739)
  - 1,4-Dichlorobenzene

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 512379

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8260**
Description: 8260 MSV GRO and Oxygenates
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
7 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 512870

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

QC Batch: 513300

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8260**
Description: 8260 MSV 5035A VOA
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
9 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 513197

S1: Surrogate recovery outside laboratory control limits (confirmed by re-analysis).
- FLOOR SWEEPING (Lab ID: 60262831016)
  - 4-Bromofluorobenzene (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 513132

B: Analyte was detected in the associated method blank.
- BLANK for HBN 513132 [MSV/8746 (Lab ID: 2100603)
  - Methylene chloride

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 513132

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60263077004

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- MSD (Lab ID: 2100606)
  - Methyl-tert-butyl ether
  - trans-1,2-Dichloroethene

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 8260**
Description: 8260 MSV 5035A VOA
Client: TETRA TECH EMI
Date: February 12, 2018

QC Batch: 513132

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60263077004

R1: RPD value was outside control limits.

- MSD (Lab ID: 2100606)
  - 1,2-Dichloroethene (Total)
  - Methyl-tert-butyl ether
  - trans-1,2-Dichloroethene

Additional Comments:

Analyte Comments:

QC Batch: 513197

3e: The internal standard response was outside the laboratory acceptance limits confirmed by reanalysis.

- FLOOR SWEEPING (Lab ID: 60262831016)
  - Toluene-d8 (S)

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- SB-16 (13-15) (Lab ID: 60262831007)
  - Toluene-d8 (S)

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **SM 4500-H+B**
Description: 4500H+ pH, Electrometric
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
5 samples were analyzed for SM 4500-H+B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

H6: Analysis initiated outside of the 15 minute EPA required holding time.
- EQUIPMENT BLANK (Lab ID: 60262831013)
- FLOOR DRAIN WATER (Lab ID: 60262831017)
- SB-11 (Lab ID: 60262831008)
- SB-14 (Lab ID: 60262831009)
- SB-16 (Lab ID: 60262831010)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 9045**
Description: 9045 pH Soil
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
9 samples were analyzed for EPA 9045. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 353.2**
Description: 353.2 Nitrogen, NO2/NO3 pres.
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
5 samples were analyzed for EPA 353.2. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 512195

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 60262677005,60262831017

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2097222)
  - Nitrogen, NO2 plus NO3

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Method: **EPA 9056**
Description: 9056 IC Anions
Client: TETRA TECH EMI
Date: February 12, 2018

General Information:
14 samples were analyzed for EPA 9056. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 9056 with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-14 (3-5) **Lab ID: 60262831001** Collected: 01/25/18 09:00 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546							
Aldrin	**<0.69**	ug/kg	2.0	1	02/02/18 13:00	02/05/18 21:47	309-00-2	
alpha-BHC	**<0.31**	ug/kg	2.0	1	02/02/18 13:00	02/05/18 21:47	319-84-6	
beta-BHC	**<1.0**	ug/kg	3.3	1	02/02/18 13:00	02/05/18 21:47	319-85-7	
delta-BHC	**<0.94**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 21:47	319-86-8	
gamma-BHC (Lindane)	**<0.88**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 21:47	58-89-9	
Chlordane (Technical)	**<55.0**	ug/kg	293	1	02/02/18 13:00	02/05/18 21:47	57-74-9	
alpha-Chlordane	**<0.78**	ug/kg	3.3	1	02/02/18 13:00	02/05/18 21:47	5103-71-9	
gamma-Chlordane	**<1.3**	ug/kg	3.3	1	02/02/18 13:00	02/05/18 21:47	5103-74-2	
4,4'-DDD	**<0.64**	ug/kg	2.0	1	02/02/18 13:00	02/05/18 21:47	72-54-8	
4,4'-DDE	**<0.61**	ug/kg	2.0	1	02/02/18 13:00	02/05/18 21:47	72-55-9	
4,4'-DDT	**<1.3**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 21:47	50-29-3	
Dieldrin	**<0.85**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 21:47	60-57-1	
Endosulfan I	**<0.91**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 21:47	959-98-8	
Endosulfan II	**<0.63**	ug/kg	2.0	1	02/02/18 13:00	02/05/18 21:47	33213-65-9	
Endosulfan sulfate	**<0.90**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 21:47	1031-07-8	
Endrin	**<0.91**	ug/kg	3.3	1	02/02/18 13:00	02/05/18 21:47	72-20-8	
Endrin aldehyde	**<0.91**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 21:47	7421-93-4	
Endrin ketone	**<1.1**	ug/kg	3.9	1	02/02/18 13:00	02/05/18 21:47	53494-70-5	
Heptachlor	**<1.5**	ug/kg	3.9	1	02/02/18 13:00	02/05/18 21:47	76-44-8	
Heptachlor epoxide	**<3.9**	ug/kg	9.8	1	02/02/18 13:00	02/05/18 21:47	1024-57-3	
Methoxychlor	**<1.1**	ug/kg	3.9	1	02/02/18 13:00	02/05/18 21:47	72-43-5	
Toxaphene	**<101**	ug/kg	293	1	02/02/18 13:00	02/05/18 21:47	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	74	%.	70-130	1	02/02/18 13:00	02/05/18 21:47	877-09-8	
Decachlorobiphenyl (S)	72	%.	70-130	1	02/02/18 13:00	02/05/18 21:47	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546							
Stirophos (Tetrachlorvinphos)	**<6.5**	ug/kg	13.0	1	02/02/18 13:00	02/06/18 02:14	22248-79-9	
Azinphos, methyl (Guthion)	**<6.5**	ug/kg	13.0	1	02/02/18 13:00	02/06/18 02:14	86-50-0	
Bolstar	**<6.5**	ug/kg	13.0	1	02/02/18 13:00	02/06/18 02:14	35400-43-2	
Chlorpyrifos	**<6.5**	ug/kg	13.0	1	02/02/18 13:00	02/06/18 02:14	2921-88-2	
Coumaphos	**<6.5**	ug/kg	13.0	1	02/02/18 13:00	02/06/18 02:14	56-72-4	
Diazinon	**<6.5**	ug/kg	13.0	1	02/02/18 13:00	02/06/18 02:14	333-41-5	
Dichlorvos	**<3.2**	ug/kg	6.5	1	02/02/18 13:00	02/06/18 02:14	62-73-7	
Dimethoate	**<6.5**	ug/kg	13.0	1	02/02/18 13:00	02/06/18 02:14	60-51-5	
Disulfoton	**<3.2**	ug/kg	6.5	1	02/02/18 13:00	02/06/18 02:14	298-04-4	
EPN (ENT)	**<4.1**	ug/kg	6.5	1	02/02/18 13:00	02/06/18 02:14	2104-64-5	
Ethoprop	**<3.2**	ug/kg	6.5	1	02/02/18 13:00	02/06/18 02:14	13194-48-4	
Fensulfothion	**<6.5**	ug/kg	13.0	1	02/02/18 13:00	02/06/18 02:14	115-90-2	
Fenthion	**<3.2**	ug/kg	6.5	1	02/02/18 13:00	02/06/18 02:14	55-38-9	
Malathion	**<6.5**	ug/kg	13.0	1	02/02/18 13:00	02/06/18 02:14	121-75-5	
Methyl parathion	**<3.2**	ug/kg	6.5	1	02/02/18 13:00	02/06/18 02:14	298-00-0	
Mevinphos	**<3.9**	ug/kg	6.5	1	02/02/18 13:00	02/06/18 02:14	7786-34-7	
Parathion (Ethyl parathion)	**<6.5**	ug/kg	13.0	1	02/02/18 13:00	02/06/18 02:14	56-38-2	
Phorate	**<3.2**	ug/kg	6.5	1	02/02/18 13:00	02/06/18 02:14	298-02-2	
Ronnel	**<3.2**	ug/kg	6.5	1	02/02/18 13:00	02/06/18 02:14	299-84-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-14 (3-5) **Lab ID: 60262831001** Collected: 01/25/18 09:00 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546							
Sulfotep (Thiodiphosphoric Ac	**<3.2**	ug/kg	6.5	1	02/02/18 13:00	02/06/18 02:14	3689-24-5	
Tokuthion (Prothiofos)	**<3.2**	ug/kg	6.5	1	02/02/18 13:00	02/06/18 02:14	34643-46-4	
Trichloronate	**<6.5**	ug/kg	13.0	1	02/02/18 13:00	02/06/18 02:14	327-98-0	
Total Demeton	**<5.3**	ug/kg	6.5	1	02/02/18 13:00	02/06/18 02:14	8065-48-3	N2
Total Merphos	**<6.5**	ug/kg	26.1	1	02/02/18 13:00	02/06/18 02:14	150-50-5	N2
Surrogates								
Triphenylphosphate (S)	95	%.	11-137	1	02/02/18 13:00	02/06/18 02:14	115-86-6	
Tributylphosphate (S)	97	%.	17-125	1	02/02/18 13:00	02/06/18 02:14	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546							
2,4-D	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 15:28	94-75-7	
Dalapon	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 15:28	75-99-0	
2,4-DB	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 15:28	94-82-6	
Dicamba	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 15:28	1918-00-9	
Dichloroprop	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 15:28	15165-67-0	
Dinoseb	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 15:28	88-85-7	
MCPA	**<320**	ug/kg	320	1	02/06/18 12:15	02/07/18 15:28	94-74-6	
MCPP	**<320**	ug/kg	320	1	02/06/18 12:15	02/07/18 15:28	7085-19-0	
2,4,5-T	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 15:28	93-76-5	
2,4,5-TP (Silvex)	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 15:28	93-72-1	
Surrogates								
2,4-DCAA (S)	12	%.	10-188	1	02/06/18 12:15	02/07/18 15:28	19719-28-9	
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**6.2**	mg/kg	1.2	1	01/30/18 14:45	02/06/18 15:52	7440-38-2	
Barium	**200**	mg/kg	0.62	1	01/30/18 14:45	02/06/18 15:52	7440-39-3	
Cadmium	**0.056J**	mg/kg	0.62	1	01/30/18 14:45	02/06/18 15:52	7440-43-9	
Chromium	**15.8**	mg/kg	0.62	1	01/30/18 14:45	02/06/18 15:52	7440-47-3	
Lead	**9.6**	mg/kg	0.62	1	01/30/18 14:45	02/06/18 15:52	7439-92-1	
Selenium	**<0.93**	mg/kg	1.9	1	01/30/18 14:45	02/06/18 15:52	7782-49-2	
Silver	**<0.21**	mg/kg	0.87	1	01/30/18 14:45	02/06/18 15:52	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.013J**	mg/kg	0.058	1	02/02/18 09:59	02/02/18 14:21	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	**<45.7**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	83-32-9	
Acenaphthylene	**<40.5**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	208-96-8	
Anthracene	**<45.7**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	120-12-7	
Benzo(a)anthracene	**<39.2**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	56-55-3	
Benzo(a)pyrene	**<33.9**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	50-32-8	
Benzo(b)fluoranthene	**<30.0**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	205-99-2	
Benzo(g,h,i)perylene	**<41.8**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	191-24-2	
Benzo(k)fluoranthene	**<50.9**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	207-08-9	
Benzoic acid	**175J**	ug/kg	2180	1	01/30/18 15:00	01/31/18 17:47	65-85-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-14 (3-5) **Lab ID: 60262831001** Collected: 01/25/18 09:00 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Benzyl alcohol	**<134**	ug/kg	861	1	01/30/18 15:00	01/31/18 17:47	100-51-6	
4-Bromophenylphenyl ether	**<33.9**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	101-55-3	
Butylbenzylphthalate	**<56.1**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	85-68-7	
Carbazole	**<35.2**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	86-74-8	
4-Chloro-3-methylphenol	**<47.0**	ug/kg	861	1	01/30/18 15:00	01/31/18 17:47	59-50-7	
4-Chloroaniline	**<84.8**	ug/kg	861	1	01/30/18 15:00	01/31/18 17:47	106-47-8	
bis(2-Chloroethoxy)methane	**<33.9**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	111-91-1	
bis(2-Chloroethyl) ether	**<33.9**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	111-44-4	
bis(2-Chloroisopropyl) ether	**<33.9**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	39638-32-9	
2-Chloronaphthalene	**<36.5**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	91-58-7	
2-Chlorophenol	**<35.2**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	95-57-8	
4-Chlorophenylphenyl ether	**<41.8**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	7005-72-3	
Chrysene	**<36.5**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	218-01-9	
Dibenz(a,h)anthracene	**<39.2**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	53-70-3	
Dibenzofuran	**<39.2**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	132-64-9	
1,2-Dichlorobenzene	**<32.6**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	95-50-1	
1,3-Dichlorobenzene	**<36.5**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	541-73-1	
1,4-Dichlorobenzene	**<37.9**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	106-46-7	
3,3'-Dichlorobenzidine	**<147**	ug/kg	861	1	01/30/18 15:00	01/31/18 17:47	91-94-1	
2,4-Dichlorophenol	**<39.2**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	120-83-2	
Diethylphthalate	**<40.5**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	84-66-2	
2,4-Dimethylphenol	**<23.5**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	105-67-9	
Dimethylphthalate	**<41.8**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	131-11-3	
Di-n-butylphthalate	**<45.7**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	84-74-2	
4,6-Dinitro-2-methylphenol	**<57.4**	ug/kg	2180	1	01/30/18 15:00	01/31/18 17:47	534-52-1	
2,4-Dinitrophenol	**<62.6**	ug/kg	2180	1	01/30/18 15:00	01/31/18 17:47	51-28-5	
2,4-Dinitrotoluene	**<36.5**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	121-14-2	
2,6-Dinitrotoluene	**<44.4**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	606-20-2	
Di-n-octylphthalate	**<50.9**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	117-84-0	
bis(2-Ethylhexyl)phthalate	**<149**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	117-81-7	
Fluoranthene	**<40.5**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	206-44-0	
Fluorene	**<40.5**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	86-73-7	
Hexachloro-1,3-butadiene	**<43.1**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	87-68-3	
Hexachlorobenzene	**<41.8**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	118-74-1	
Hexachlorocyclopentadiene	**<91.4**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	77-47-4	
Hexachloroethane	**<32.6**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	67-72-1	
Indeno(1,2,3-cd)pyrene	**<47.0**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	193-39-5	
Isophorone	**<39.2**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	78-59-1	
2-Methylnaphthalene	**<31.3**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	91-57-6	
2-Methylphenol(o-Cresol)	**<40.5**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<47.0**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47		
Naphthalene	**<33.9**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	91-20-3	
2-Nitroaniline	**<73.1**	ug/kg	861	1	01/30/18 15:00	01/31/18 17:47	88-74-4	
3-Nitroaniline	**<131**	ug/kg	861	1	01/30/18 15:00	01/31/18 17:47	99-09-2	
4-Nitroaniline	**<111**	ug/kg	861	1	01/30/18 15:00	01/31/18 17:47	100-01-6	
Nitrobenzene	**<40.5**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	98-95-3	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-14 (3-5) **Lab ID: 60262831001** Collected: 01/25/18 09:00 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Nitrophenol	**<60.0**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	88-75-5	
4-Nitrophenol	**<67.9**	ug/kg	2180	1	01/30/18 15:00	01/31/18 17:47	100-02-7	
N-Nitroso-di-n-propylamine	**<43.1**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	621-64-7	
N-Nitrosodiphenylamine	**<33.9**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	86-30-6	
Pentachlorophenol	**<40.5**	ug/kg	2180	1	01/30/18 15:00	01/31/18 17:47	87-86-5	
Phenanthrene	**<40.5**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	85-01-8	
Phenol	**<33.9**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	108-95-2	
Pyrene	**<43.1**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	129-00-0	
Pyridine	**<35.2**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	110-86-1	
1,2,4-Trichlorobenzene	**<39.2**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	120-82-1	
2,4,5-Trichlorophenol	**<39.2**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	95-95-4	
2,4,6-Trichlorophenol	**<40.5**	ug/kg	431	1	01/30/18 15:00	01/31/18 17:47	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	72	%	41-114	1	01/30/18 15:00	01/31/18 17:47	4165-60-0	
2-Fluorobiphenyl (S)	78	%	61-109	1	01/30/18 15:00	01/31/18 17:47	321-60-8	
Terphenyl-d14 (S)	89	%	48-120	1	01/30/18 15:00	01/31/18 17:47	1718-51-0	
Phenol-d6 (S)	77	%	48-102	1	01/30/18 15:00	01/31/18 17:47	13127-88-3	
2-Fluorophenol (S)	74	%	46-102	1	01/30/18 15:00	01/31/18 17:47	367-12-4	
2,4,6-Tribromophenol (S)	95	%	39-114	1	01/30/18 15:00	01/31/18 17:47	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
TPH-ORO	**21.4**	mg/kg	19.5	1	01/30/18 15:00	01/31/18 23:26		B
TPH-DRO	**2.0J**	mg/kg	19.5	1	01/30/18 15:00	01/31/18 23:26		
Surrogates								
Nitrobenzene-d5 (S)	79	%	41-114	1	01/30/18 15:00	01/31/18 23:26	4165-60-0	
2-Fluorobiphenyl (S)	77	%	61-109	1	01/30/18 15:00	01/31/18 23:26	321-60-8	
Terphenyl-d14 (S)	80	%	48-120	1	01/30/18 15:00	01/31/18 23:26	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260							
TPH-GRO	**<0.31**	mg/kg	0.62	1		02/06/18 17:13		
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	**37.7**	ug/kg	24.6	1		02/06/18 17:13	67-64-1	
Benzene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	71-43-2	
Bromobenzene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	108-86-1	
Bromochloromethane	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	74-97-5	
Bromodichloromethane	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	75-27-4	
Bromoform	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	75-25-2	
Bromomethane	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	74-83-9	
2-Butanone (MEK)	**<6.2**	ug/kg	12.3	1		02/06/18 17:13	78-93-3	
n-Butylbenzene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	104-51-8	
sec-Butylbenzene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	135-98-8	
tert-Butylbenzene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	98-06-6	
Carbon disulfide	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	75-15-0	
Carbon tetrachloride	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	56-23-5	
Chlorobenzene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	108-90-7	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-14 (3-5) **Lab ID: 60262831001** Collected: 01/25/18 09:00 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Chloroethane	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	75-00-3	
Chloroform	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	67-66-3	
Chloromethane	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	74-87-3	
2-Chlorotoluene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	95-49-8	
4-Chlorotoluene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	106-43-4	
1,2-Dibromo-3-chloropropane	**<6.2**	ug/kg	12.3	1		02/06/18 17:13	96-12-8	
Dibromochloromethane	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	124-48-1	
1,2-Dibromoethane (EDB)	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	106-93-4	
Dibromomethane	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	74-95-3	
1,2-Dichlorobenzene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	95-50-1	
1,3-Dichlorobenzene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	541-73-1	
1,4-Dichlorobenzene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	106-46-7	
Dichlorodifluoromethane	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	75-71-8	
1,1-Dichloroethane	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	75-34-3	
1,2-Dichloroethane	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	107-06-2	
1,2-Dichloroethene (Total)	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	540-59-0	
1,1-Dichloroethene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	75-35-4	
cis-1,2-Dichloroethene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	156-59-2	
trans-1,2-Dichloroethene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	156-60-5	
1,2-Dichloropropane	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	78-87-5	
1,3-Dichloropropane	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	142-28-9	
2,2-Dichloropropane	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	594-20-7	
1,1-Dichloropropene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	563-58-6	
cis-1,3-Dichloropropene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	10061-01-5	
trans-1,3-Dichloropropene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	10061-02-6	
Ethylbenzene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	100-41-4	
Hexachloro-1,3-butadiene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	87-68-3	
2-Hexanone	**<12.3**	ug/kg	24.6	1		02/06/18 17:13	591-78-6	
Isopropylbenzene (Cumene)	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	98-82-8	
p-Isopropyltoluene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	99-87-6	
Methylene chloride	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<6.2**	ug/kg	12.3	1		02/06/18 17:13	108-10-1	
Methyl-tert-butyl ether	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	1634-04-4	
Naphthalene	**<6.2**	ug/kg	12.3	1		02/06/18 17:13	91-20-3	
n-Propylbenzene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	103-65-1	
Styrene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	100-42-5	
1,1,1,2-Tetrachloroethane	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	630-20-6	
1,1,2,2-Tetrachloroethane	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	79-34-5	
Tetrachloroethene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	127-18-4	
Toluene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	108-88-3	
1,2,3-Trichlorobenzene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	87-61-6	
1,2,4-Trichlorobenzene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	120-82-1	
1,1,1-Trichloroethane	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	71-55-6	
1,1,2-Trichloroethane	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	79-00-5	
Trichloroethene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	79-01-6	
Trichlorofluoromethane	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	75-69-4	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-14 (3-5) **Lab ID: 60262831001** Collected: 01/25/18 09:00 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
1,2,3-Trichloropropane	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	96-18-4	
1,2,4-Trimethylbenzene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	95-63-6	
1,3,5-Trimethylbenzene	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	108-67-8	
Vinyl chloride	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	75-01-4	
Xylene (Total)	**<3.1**	ug/kg	6.2	1		02/06/18 17:13	1330-20-7	
Surrogates								
Toluene-d8 (S)	98	%	78-122	1		02/06/18 17:13	2037-26-5	
4-Bromofluorobenzene (S)	97	%	69-133	1		02/06/18 17:13	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	80-123	1		02/06/18 17:13	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974							
Percent Moisture	**23.9**	%	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**7.0**	Std. Units	0.10	1		02/01/18 13:20		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056							
Sulfate	**88.9J**	mg/kg	132	10	02/05/18 08:00	02/06/18 05:05	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056							
Nitrate as N	**18.5**	mg/kg	13.2	10	02/05/18 19:33	02/06/18 05:05	14797-55-8	
Nitrite as N	**<6.6**	mg/kg	13.2	10	02/05/18 19:33	02/06/18 05:05	14797-65-0	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-14 (13-15) **Lab ID: 60262831002** Collected: 01/25/18 09:10 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546							
Aldrin	**<0.68**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 22:01	309-00-2	
alpha-BHC	**<0.30**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 22:01	319-84-6	
beta-BHC	**<1.0**	ug/kg	3.2	1	02/02/18 13:00	02/05/18 22:01	319-85-7	
delta-BHC	**<0.92**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:01	319-86-8	
gamma-BHC (Lindane)	**<0.86**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:01	58-89-9	
Chlordane (Technical)	**<54.1**	ug/kg	288	1	02/02/18 13:00	02/05/18 22:01	57-74-9	
alpha-Chlordane	**<0.77**	ug/kg	3.2	1	02/02/18 13:00	02/05/18 22:01	5103-71-9	
gamma-Chlordane	**<1.3**	ug/kg	3.2	1	02/02/18 13:00	02/05/18 22:01	5103-74-2	
4,4'-DDD	**<0.63**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 22:01	72-54-8	
4,4'-DDE	**<0.60**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 22:01	72-55-9	
4,4'-DDT	**<1.2**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:01	50-29-3	
Dieldrin	**<0.83**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:01	60-57-1	
Endosulfan I	**<0.89**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:01	959-98-8	
Endosulfan II	**<0.62**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 22:01	33213-65-9	
Endosulfan sulfate	**<0.88**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:01	1031-07-8	
Endrin	**<0.89**	ug/kg	3.2	1	02/02/18 13:00	02/05/18 22:01	72-20-8	
Endrin aldehyde	**<0.89**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:01	7421-93-4	
Endrin ketone	**<1.1**	ug/kg	3.8	1	02/02/18 13:00	02/05/18 22:01	53494-70-5	
Heptachlor	**<1.5**	ug/kg	3.8	1	02/02/18 13:00	02/05/18 22:01	76-44-8	
Heptachlor epoxide	**<3.8**	ug/kg	9.6	1	02/02/18 13:00	02/05/18 22:01	1024-57-3	
Methoxychlor	**<1.1**	ug/kg	3.8	1	02/02/18 13:00	02/05/18 22:01	72-43-5	
Toxaphene	**<99.7**	ug/kg	288	1	02/02/18 13:00	02/05/18 22:01	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	72	%.	70-130	1	02/02/18 13:00	02/05/18 22:01	877-09-8	
Decachlorobiphenyl (S)	81	%.	70-130	1	02/02/18 13:00	02/05/18 22:01	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546							
Stirophos (Tetrachlorvinphos)	**<6.4**	ug/kg	12.8	1	02/02/18 13:00	02/06/18 02:41	22248-79-9	
Azinphos, methyl (Guthion)	**<6.4**	ug/kg	12.8	1	02/02/18 13:00	02/06/18 02:41	86-50-0	
Bolstar	**<6.4**	ug/kg	12.8	1	02/02/18 13:00	02/06/18 02:41	35400-43-2	
Chlorpyrifos	**<6.4**	ug/kg	12.8	1	02/02/18 13:00	02/06/18 02:41	2921-88-2	
Coumaphos	**<6.4**	ug/kg	12.8	1	02/02/18 13:00	02/06/18 02:41	56-72-4	
Diazinon	**<6.4**	ug/kg	12.8	1	02/02/18 13:00	02/06/18 02:41	333-41-5	
Dichlorvos	**<3.2**	ug/kg	6.4	1	02/02/18 13:00	02/06/18 02:41	62-73-7	
Dimethoate	**<6.4**	ug/kg	12.8	1	02/02/18 13:00	02/06/18 02:41	60-51-5	
Disulfoton	**<3.2**	ug/kg	6.4	1	02/02/18 13:00	02/06/18 02:41	298-04-4	
EPN (ENT)	**<4.1**	ug/kg	6.4	1	02/02/18 13:00	02/06/18 02:41	2104-64-5	
Ethoprop	**<3.2**	ug/kg	6.4	1	02/02/18 13:00	02/06/18 02:41	13194-48-4	
Fensulfothion	**<6.4**	ug/kg	12.8	1	02/02/18 13:00	02/06/18 02:41	115-90-2	
Fenthion	**<3.2**	ug/kg	6.4	1	02/02/18 13:00	02/06/18 02:41	55-38-9	
Malathion	**<6.4**	ug/kg	12.8	1	02/02/18 13:00	02/06/18 02:41	121-75-5	
Methyl parathion	**<3.2**	ug/kg	6.4	1	02/02/18 13:00	02/06/18 02:41	298-00-0	
Mevinphos	**<3.8**	ug/kg	6.4	1	02/02/18 13:00	02/06/18 02:41	7786-34-7	
Parathion (Ethyl parathion)	**<6.4**	ug/kg	12.8	1	02/02/18 13:00	02/06/18 02:41	56-38-2	
Phorate	**<3.2**	ug/kg	6.4	1	02/02/18 13:00	02/06/18 02:41	298-02-2	
Ronnel	**<3.2**	ug/kg	6.4	1	02/02/18 13:00	02/06/18 02:41	299-84-3	

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(913)599-5665

ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-14 (13-15) **Lab ID: 60262831002** Collected: 01/25/18 09:10 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546							
Sulfotep (Thiodiphosphoric Ac	**<3.2**	ug/kg	6.4	1	02/02/18 13:00	02/06/18 02:41	3689-24-5	
Tokuthion (Prothiofos)	**<3.2**	ug/kg	6.4	1	02/02/18 13:00	02/06/18 02:41	34643-46-4	
Trichloronate	**<6.4**	ug/kg	12.8	1	02/02/18 13:00	02/06/18 02:41	327-98-0	
Total Demeton	**<5.2**	ug/kg	6.4	1	02/02/18 13:00	02/06/18 02:41	8065-48-3	N2
Total Merphos	**<6.4**	ug/kg	25.6	1	02/02/18 13:00	02/06/18 02:41	150-50-5	N2
Surrogates								
Triphenylphosphate (S)	95	%.	11-137	1	02/02/18 13:00	02/06/18 02:41	115-86-6	
Tributylphosphate (S)	109	%.	17-125	1	02/02/18 13:00	02/06/18 02:41	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546							
2,4-D	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 15:53	94-75-7	
Dalapon	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 15:53	75-99-0	
2,4-DB	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 15:53	94-82-6	
Dicamba	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 15:53	1918-00-9	
Dichloroprop	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 15:53	15165-67-0	
Dinoseb	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 15:53	88-85-7	
MCPA	**<318**	ug/kg	318	1	02/06/18 12:15	02/07/18 15:53	94-74-6	
MCPP	**<318**	ug/kg	318	1	02/06/18 12:15	02/07/18 15:53	7085-19-0	
2,4,5-T	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 15:53	93-76-5	
2,4,5-TP (Silvex)	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 15:53	93-72-1	
Surrogates								
2,4-DCAA (S)	3	%.	10-188	1	02/06/18 12:15	02/07/18 15:53	19719-28-9	S1
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**8.3**	mg/kg	1.2	1	01/30/18 14:45	02/06/18 15:55	7440-38-2	
Barium	**209**	mg/kg	0.61	1	01/30/18 14:45	02/06/18 15:55	7440-39-3	
Cadmium	**0.13J**	mg/kg	0.61	1	01/30/18 14:45	02/06/18 15:55	7440-43-9	
Chromium	**17.2**	mg/kg	0.61	1	01/30/18 14:45	02/06/18 15:55	7440-47-3	
Lead	**11.8**	mg/kg	0.61	1	01/30/18 14:45	02/06/18 15:55	7439-92-1	
Selenium	**<0.91**	mg/kg	1.8	1	01/30/18 14:45	02/06/18 15:55	7782-49-2	
Silver	**<0.20**	mg/kg	0.85	1	01/30/18 14:45	02/06/18 15:55	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.021J**	mg/kg	0.063	1	02/02/18 09:59	02/02/18 14:28	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	**<44.9**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	83-32-9	
Acenaphthylene	**<39.8**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	208-96-8	
Anthracene	**<44.9**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	120-12-7	
Benzo(a)anthracene	**<38.5**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	56-55-3	
Benzo(a)pyrene	**<33.4**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	50-32-8	
Benzo(b)fluoranthene	**<29.5**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	205-99-2	
Benzo(g,h,i)perylene	**<41.1**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	191-24-2	
Benzo(k)fluoranthene	**<50.1**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	207-08-9	
Benzoic acid	**<39.8**	ug/kg	2140	1	01/30/18 15:00	01/31/18 18:09	65-85-0	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-14 (13-15) **Lab ID: 60262831002** Collected: 01/25/18 09:10 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Benzyl alcohol	**<132**	ug/kg	847	1	01/30/18 15:00	01/31/18 18:09	100-51-6	
4-Bromophenylphenyl ether	**<33.4**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	101-55-3	
Butylbenzylphthalate	**<55.2**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	85-68-7	
Carbazole	**<34.7**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	86-74-8	
4-Chloro-3-methylphenol	**<46.2**	ug/kg	847	1	01/30/18 15:00	01/31/18 18:09	59-50-7	
4-Chloroaniline	**<83.5**	ug/kg	847	1	01/30/18 15:00	01/31/18 18:09	106-47-8	
bis(2-Chloroethoxy)methane	**<33.4**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	111-91-1	
bis(2-Chloroethyl) ether	**<33.4**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	111-44-4	
bis(2-Chloroisopropyl) ether	**<33.4**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	39638-32-9	
2-Chloronaphthalene	**<35.9**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	91-58-7	
2-Chlorophenol	**<34.7**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	95-57-8	
4-Chlorophenylphenyl ether	**<41.1**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	7005-72-3	
Chrysene	**<35.9**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	218-01-9	
Dibenz(a,h)anthracene	**<38.5**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	53-70-3	
Dibenzofuran	**<38.5**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	132-64-9	
1,2-Dichlorobenzene	**<32.1**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	95-50-1	
1,3-Dichlorobenzene	**<35.9**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	541-73-1	
1,4-Dichlorobenzene	**<37.2**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	106-46-7	
3,3'-Dichlorobenzidine	**<145**	ug/kg	847	1	01/30/18 15:00	01/31/18 18:09	91-94-1	
2,4-Dichlorophenol	**<38.5**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	120-83-2	
Diethylphthalate	**<39.8**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	84-66-2	
2,4-Dimethylphenol	**<23.1**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	105-67-9	
Dimethylphthalate	**<41.1**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	131-11-3	
Di-n-butylphthalate	**<44.9**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	84-74-2	
4,6-Dinitro-2-methylphenol	**<56.5**	ug/kg	2140	1	01/30/18 15:00	01/31/18 18:09	534-52-1	
2,4-Dinitrophenol	**<61.6**	ug/kg	2140	1	01/30/18 15:00	01/31/18 18:09	51-28-5	
2,4-Dinitrotoluene	**<35.9**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	121-14-2	
2,6-Dinitrotoluene	**<43.7**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	606-20-2	
Di-n-octylphthalate	**<50.1**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	117-84-0	
bis(2-Ethylhexyl)phthalate	**<146**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	117-81-7	
Fluoranthene	**<39.8**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	206-44-0	
Fluorene	**<39.8**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	86-73-7	
Hexachloro-1,3-butadiene	**<42.4**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	87-68-3	
Hexachlorobenzene	**<41.1**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	118-74-1	
Hexachlorocyclopentadiene	**<89.9**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	77-47-4	
Hexachloroethane	**<32.1**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	67-72-1	
Indeno(1,2,3-cd)pyrene	**<46.2**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	193-39-5	
Isophorone	**<38.5**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	78-59-1	
2-Methylnaphthalene	**<30.8**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	91-57-6	
2-Methylphenol(o-Cresol)	**<39.8**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<46.2**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09		
Naphthalene	**<33.4**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	91-20-3	
2-Nitroaniline	**<71.9**	ug/kg	847	1	01/30/18 15:00	01/31/18 18:09	88-74-4	
3-Nitroaniline	**<128**	ug/kg	847	1	01/30/18 15:00	01/31/18 18:09	99-09-2	
4-Nitroaniline	**<109**	ug/kg	847	1	01/30/18 15:00	01/31/18 18:09	100-01-6	
Nitrobenzene	**<39.8**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	98-95-3	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-14 (13-15) **Lab ID: 60262831002** Collected: 01/25/18 09:10 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Nitrophenol	**<59.1**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	88-75-5	
4-Nitrophenol	**<66.8**	ug/kg	2140	1	01/30/18 15:00	01/31/18 18:09	100-02-7	
N-Nitroso-di-n-propylamine	**<42.4**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	621-64-7	
N-Nitrosodiphenylamine	**<33.4**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	86-30-6	
Pentachlorophenol	**<39.8**	ug/kg	2140	1	01/30/18 15:00	01/31/18 18:09	87-86-5	
Phenanthrene	**<39.8**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	85-01-8	
Phenol	**<33.4**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	108-95-2	
Pyrene	**<42.4**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	129-00-0	
Pyridine	**<34.7**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	110-86-1	
1,2,4-Trichlorobenzene	**<38.5**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	120-82-1	
2,4,5-Trichlorophenol	**<38.5**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	95-95-4	
2,4,6-Trichlorophenol	**<39.8**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:09	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	81	%	41-114	1	01/30/18 15:00	01/31/18 18:09	4165-60-0	
2-Fluorobiphenyl (S)	83	%	61-109	1	01/30/18 15:00	01/31/18 18:09	321-60-8	
Terphenyl-d14 (S)	82	%	48-120	1	01/30/18 15:00	01/31/18 18:09	1718-51-0	
Phenol-d6 (S)	81	%	48-102	1	01/30/18 15:00	01/31/18 18:09	13127-88-3	
2-Fluorophenol (S)	79	%	46-102	1	01/30/18 15:00	01/31/18 18:09	367-12-4	
2,4,6-Tribromophenol (S)	87	%	39-114	1	01/30/18 15:00	01/31/18 18:09	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
TPH-ORO	**11.9J**	mg/kg	19.4	1	01/30/18 15:00	01/31/18 23:47		B
TPH-DRO	**<1.6**	mg/kg	19.4	1	01/30/18 15:00	01/31/18 23:47		
Surrogates								
Nitrobenzene-d5 (S)	71	%	41-114	1	01/30/18 15:00	01/31/18 23:47	4165-60-0	
2-Fluorobiphenyl (S)	70	%	61-109	1	01/30/18 15:00	01/31/18 23:47	321-60-8	
Terphenyl-d14 (S)	66	%	48-120	1	01/30/18 15:00	01/31/18 23:47	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260							
TPH-GRO	**<0.32**	mg/kg	0.65	1		02/06/18 17:29		
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	**<12.9**	ug/kg	25.8	1		02/06/18 17:29	67-64-1	
Benzene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	71-43-2	
Bromobenzene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	108-86-1	
Bromochloromethane	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	74-97-5	
Bromodichloromethane	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	75-27-4	
Bromoform	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	75-25-2	
Bromomethane	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	74-83-9	
2-Butanone (MEK)	**<6.5**	ug/kg	12.9	1		02/06/18 17:29	78-93-3	
n-Butylbenzene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	104-51-8	
sec-Butylbenzene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	135-98-8	
tert-Butylbenzene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	98-06-6	
Carbon disulfide	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	75-15-0	
Carbon tetrachloride	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	56-23-5	
Chlorobenzene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	108-90-7	

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(913)599-5665

ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-14 (13-15) **Lab ID: 60262831002** Collected: 01/25/18 09:10 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Chloroethane	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	75-00-3	
Chloroform	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	67-66-3	
Chloromethane	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	74-87-3	
2-Chlorotoluene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	95-49-8	
4-Chlorotoluene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	106-43-4	
1,2-Dibromo-3-chloropropane	**<6.5**	ug/kg	12.9	1		02/06/18 17:29	96-12-8	
Dibromochloromethane	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	124-48-1	
1,2-Dibromoethane (EDB)	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	106-93-4	
Dibromomethane	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	74-95-3	
1,2-Dichlorobenzene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	95-50-1	
1,3-Dichlorobenzene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	541-73-1	
1,4-Dichlorobenzene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	106-46-7	
Dichlorodifluoromethane	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	75-71-8	
1,1-Dichloroethane	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	75-34-3	
1,2-Dichloroethane	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	107-06-2	
1,2-Dichloroethene (Total)	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	540-59-0	
1,1-Dichloroethene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	75-35-4	
cis-1,2-Dichloroethene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	156-59-2	
trans-1,2-Dichloroethene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	156-60-5	
1,2-Dichloropropane	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	78-87-5	
1,3-Dichloropropane	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	142-28-9	
2,2-Dichloropropane	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	594-20-7	
1,1-Dichloropropene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	563-58-6	
cis-1,3-Dichloropropene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	10061-01-5	
trans-1,3-Dichloropropene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	10061-02-6	
Ethylbenzene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	100-41-4	
Hexachloro-1,3-butadiene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	87-68-3	
2-Hexanone	**<12.9**	ug/kg	25.8	1		02/06/18 17:29	591-78-6	
Isopropylbenzene (Cumene)	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	98-82-8	
p-Isopropyltoluene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	99-87-6	
Methylene chloride	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<6.5**	ug/kg	12.9	1		02/06/18 17:29	108-10-1	
Methyl-tert-butyl ether	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	1634-04-4	
Naphthalene	**<6.5**	ug/kg	12.9	1		02/06/18 17:29	91-20-3	
n-Propylbenzene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	103-65-1	
Styrene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	100-42-5	
1,1,1,2-Tetrachloroethane	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	630-20-6	
1,1,2,2-Tetrachloroethane	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	79-34-5	
Tetrachloroethene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	127-18-4	
Toluene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	108-88-3	
1,2,3-Trichlorobenzene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	87-61-6	
1,2,4-Trichlorobenzene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	120-82-1	
1,1,1-Trichloroethane	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	71-55-6	
1,1,2-Trichloroethane	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	79-00-5	
Trichloroethene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	79-01-6	
Trichlorofluoromethane	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	75-69-4	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-14 (13-15) **Lab ID: 60262831002** Collected: 01/25/18 09:10 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
1,2,3-Trichloropropane	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	96-18-4	
1,2,4-Trimethylbenzene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	95-63-6	
1,3,5-Trimethylbenzene	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	108-67-8	
Vinyl chloride	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	75-01-4	
Xylene (Total)	**<3.2**	ug/kg	6.5	1		02/06/18 17:29	1330-20-7	
Surrogates								
Toluene-d8 (S)	98	%	78-122	1		02/06/18 17:29	2037-26-5	
4-Bromofluorobenzene (S)	98	%	69-133	1		02/06/18 17:29	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	80-123	1		02/06/18 17:29	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974							
Percent Moisture	**23.7**	%	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**7.1**	Std. Units	0.10	1		02/01/18 13:20		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056							
Sulfate	**82.6J**	mg/kg	131	10	02/05/18 08:00	02/06/18 05:19	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056							
Nitrate as N	**<6.6**	mg/kg	13.1	10	02/05/18 19:33	02/06/18 05:19	14797-55-8	
Nitrite as N	**<6.6**	mg/kg	13.1	10	02/05/18 19:33	02/06/18 05:19	14797-65-0	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-15 (3-5) **Lab ID: 60262831003** Collected: 01/25/18 10:10 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546							
Aldrin	**<0.64**	ug/kg	1.8	1	02/02/18 13:00	02/05/18 22:15	309-00-2	
alpha-BHC	**<0.29**	ug/kg	1.8	1	02/02/18 13:00	02/05/18 22:15	319-84-6	
beta-BHC	**<0.95**	ug/kg	3.0	1	02/02/18 13:00	02/05/18 22:15	319-85-7	
delta-BHC	**<0.86**	ug/kg	2.5	1	02/02/18 13:00	02/05/18 22:15	319-86-8	
gamma-BHC (Lindane)	**<0.81**	ug/kg	2.5	1	02/02/18 13:00	02/05/18 22:15	58-89-9	
Chlordane (Technical)	**<50.8**	ug/kg	271	1	02/02/18 13:00	02/05/18 22:15	57-74-9	
alpha-Chlordane	**<0.72**	ug/kg	3.0	1	02/02/18 13:00	02/05/18 22:15	5103-71-9	
gamma-Chlordane	**<1.2**	ug/kg	3.0	1	02/02/18 13:00	02/05/18 22:15	5103-74-2	
4,4'-DDD	**<0.59**	ug/kg	1.8	1	02/02/18 13:00	02/05/18 22:15	72-54-8	
4,4'-DDE	**<0.57**	ug/kg	1.8	1	02/02/18 13:00	02/05/18 22:15	72-55-9	
4,4'-DDT	**<1.2**	ug/kg	2.5	1	02/02/18 13:00	02/05/18 22:15	50-29-3	
Dieldrin	**<0.78**	ug/kg	2.5	1	02/02/18 13:00	02/05/18 22:15	60-57-1	
Endosulfan I	**<0.84**	ug/kg	2.5	1	02/02/18 13:00	02/05/18 22:15	959-98-8	
Endosulfan II	**<0.58**	ug/kg	1.8	1	02/02/18 13:00	02/05/18 22:15	33213-65-9	
Endosulfan sulfate	**<0.83**	ug/kg	2.5	1	02/02/18 13:00	02/05/18 22:15	1031-07-8	
Endrin	**<0.84**	ug/kg	3.0	1	02/02/18 13:00	02/05/18 22:15	72-20-8	
Endrin aldehyde	**<0.84**	ug/kg	2.5	1	02/02/18 13:00	02/05/18 22:15	7421-93-4	
Endrin ketone	**<0.99**	ug/kg	3.6	1	02/02/18 13:00	02/05/18 22:15	53494-70-5	
Heptachlor	**<1.4**	ug/kg	3.6	1	02/02/18 13:00	02/05/18 22:15	76-44-8	
Heptachlor epoxide	**<3.6**	ug/kg	9.0	1	02/02/18 13:00	02/05/18 22:15	1024-57-3	
Methoxychlor	**<1.0**	ug/kg	3.6	1	02/02/18 13:00	02/05/18 22:15	72-43-5	
Toxaphene	**<93.6**	ug/kg	271	1	02/02/18 13:00	02/05/18 22:15	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	67	%.	70-130	1	02/02/18 13:00	02/05/18 22:15	877-09-8	S1
Decachlorobiphenyl (S)	77	%.	70-130	1	02/02/18 13:00	02/05/18 22:15	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546							
Stirophos (Tetrachlorvinphos)	**<6.0**	ug/kg	12.0	1	02/02/18 13:00	02/06/18 03:09	22248-79-9	
Azinphos, methyl (Guthion)	**<6.0**	ug/kg	12.0	1	02/02/18 13:00	02/06/18 03:09	86-50-0	
Bolstar	**<6.0**	ug/kg	12.0	1	02/02/18 13:00	02/06/18 03:09	35400-43-2	
Chlorpyrifos	**<6.0**	ug/kg	12.0	1	02/02/18 13:00	02/06/18 03:09	2921-88-2	
Coumaphos	**<6.0**	ug/kg	12.0	1	02/02/18 13:00	02/06/18 03:09	56-72-4	
Diazinon	**<6.0**	ug/kg	12.0	1	02/02/18 13:00	02/06/18 03:09	333-41-5	
Dichlorvos	**<3.0**	ug/kg	6.0	1	02/02/18 13:00	02/06/18 03:09	62-73-7	
Dimethoate	**<6.0**	ug/kg	12.0	1	02/02/18 13:00	02/06/18 03:09	60-51-5	
Disulfoton	**<3.0**	ug/kg	6.0	1	02/02/18 13:00	02/06/18 03:09	298-04-4	
EPN (ENT)	**<3.8**	ug/kg	6.0	1	02/02/18 13:00	02/06/18 03:09	2104-64-5	
Ethoprop	**<3.0**	ug/kg	6.0	1	02/02/18 13:00	02/06/18 03:09	13194-48-4	
Fensulfothion	**<6.0**	ug/kg	12.0	1	02/02/18 13:00	02/06/18 03:09	115-90-2	
Fenthion	**<3.0**	ug/kg	6.0	1	02/02/18 13:00	02/06/18 03:09	55-38-9	
Malathion	**<6.0**	ug/kg	12.0	1	02/02/18 13:00	02/06/18 03:09	121-75-5	
Methyl parathion	**<3.0**	ug/kg	6.0	1	02/02/18 13:00	02/06/18 03:09	298-00-0	
Mevinphos	**<3.6**	ug/kg	6.0	1	02/02/18 13:00	02/06/18 03:09	7786-34-7	
Parathion (Ethyl parathion)	**<6.0**	ug/kg	12.0	1	02/02/18 13:00	02/06/18 03:09	56-38-2	
Phorate	**<3.0**	ug/kg	6.0	1	02/02/18 13:00	02/06/18 03:09	298-02-2	
Ronnel	**<3.0**	ug/kg	6.0	1	02/02/18 13:00	02/06/18 03:09	299-84-3	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-15 (3-5) **Lab ID: 60262831003** Collected: 01/25/18 10:10 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546							
Sulfotep (Thiodiphosphoric Ac	**<3.0**	ug/kg	6.0	1	02/02/18 13:00	02/06/18 03:09	3689-24-5	
Tokuthion (Prothiofos)	**<3.0**	ug/kg	6.0	1	02/02/18 13:00	02/06/18 03:09	34643-46-4	
Trichloronate	**<6.0**	ug/kg	12.0	1	02/02/18 13:00	02/06/18 03:09	327-98-0	
Total Demeton	**<4.9**	ug/kg	6.0	1	02/02/18 13:00	02/06/18 03:09	8065-48-3	N2
Total Merphos	**<6.0**	ug/kg	24.1	1	02/02/18 13:00	02/06/18 03:09	150-50-5	N2
Surrogates								
Triphenylphosphate (S)	97	%.	11-137	1	02/02/18 13:00	02/06/18 03:09	115-86-6	
Tributylphosphate (S)	99	%.	17-125	1	02/02/18 13:00	02/06/18 03:09	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546							
2,4-D	**<3.0**	ug/kg	3.0	1	02/06/18 12:15	02/07/18 15:53	94-75-7	
Dalapon	**<3.0**	ug/kg	3.0	1	02/06/18 12:15	02/07/18 15:53	75-99-0	
2,4-DB	**<3.0**	ug/kg	3.0	1	02/06/18 12:15	02/07/18 15:53	94-82-6	
Dicamba	**<3.0**	ug/kg	3.0	1	02/06/18 12:15	02/07/18 15:53	1918-00-9	
Dichloroprop	**<3.0**	ug/kg	3.0	1	02/06/18 12:15	02/07/18 15:53	15165-67-0	
Dinoseb	**<3.0**	ug/kg	3.0	1	02/06/18 12:15	02/07/18 15:53	88-85-7	
MCPA	**<298**	ug/kg	298	1	02/06/18 12:15	02/07/18 15:53	94-74-6	
MCPP	**<298**	ug/kg	298	1	02/06/18 12:15	02/07/18 15:53	7085-19-0	
2,4,5-T	**<3.0**	ug/kg	3.0	1	02/06/18 12:15	02/07/18 15:53	93-76-5	
2,4,5-TP (Silvex)	**<3.0**	ug/kg	3.0	1	02/06/18 12:15	02/07/18 15:53	93-72-1	
Surrogates								
2,4-DCAA (S)	28	%.	10-188	1	02/06/18 12:15	02/07/18 15:53	19719-28-9	
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**6.1**	mg/kg	1.0	1	01/30/18 14:45	02/06/18 15:57	7440-38-2	
Barium	**147**	mg/kg	0.50	1	01/30/18 14:45	02/06/18 15:57	7440-39-3	
Cadmium	**0.040J**	mg/kg	0.50	1	01/30/18 14:45	02/06/18 15:57	7440-43-9	
Chromium	**19.8**	mg/kg	0.50	1	01/30/18 14:45	02/06/18 15:57	7440-47-3	
Lead	**11.9**	mg/kg	0.50	1	01/30/18 14:45	02/06/18 15:57	7439-92-1	
Selenium	**<0.75**	mg/kg	1.5	1	01/30/18 14:45	02/06/18 15:57	7782-49-2	
Silver	**<0.17**	mg/kg	0.70	1	01/30/18 14:45	02/06/18 15:57	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.034J**	mg/kg	0.057	1	02/02/18 09:59	02/02/18 14:30	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	**<42.3**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	83-32-9	
Acenaphthylene	**<37.4**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	208-96-8	
Anthracene	**<42.3**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	120-12-7	
Benzo(a)anthracene	**<36.2**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	56-55-3	
Benzo(a)pyrene	**<31.4**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	50-32-8	
Benzo(b)fluoranthene	**<27.8**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	205-99-2	
Benzo(g,h,i)perylene	**<38.6**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	191-24-2	
Benzo(k)fluoranthene	**<47.1**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	207-08-9	
Benzoic acid	**<37.4**	ug/kg	2020	1	01/30/18 15:00	01/31/18 18:31	65-85-0	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-15 (3-5) **Lab ID: 60262831003** Collected: 01/25/18 10:10 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Benzyl alcohol	**<124**	ug/kg	797	1	01/30/18 15:00	01/31/18 18:31	100-51-6	
4-Bromophenylphenyl ether	**<31.4**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	101-55-3	
Butylbenzylphthalate	**<51.9**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	85-68-7	
Carbazole	**<32.6**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	86-74-8	
4-Chloro-3-methylphenol	**<43.5**	ug/kg	797	1	01/30/18 15:00	01/31/18 18:31	59-50-7	
4-Chloroaniline	**<78.5**	ug/kg	797	1	01/30/18 15:00	01/31/18 18:31	106-47-8	
bis(2-Chloroethoxy)methane	**<31.4**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	111-91-1	
bis(2-Chloroethyl) ether	**<31.4**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	111-44-4	
bis(2-Chloroisopropyl) ether	**<31.4**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	39638-32-9	
2-Chloronaphthalene	**<33.8**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	91-58-7	
2-Chlorophenol	**<32.6**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	95-57-8	
4-Chlorophenylphenyl ether	**<38.6**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	7005-72-3	
Chrysene	**<33.8**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	218-01-9	
Dibenz(a,h)anthracene	**<36.2**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	53-70-3	
Dibenzofuran	**<36.2**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	132-64-9	
1,2-Dichlorobenzene	**<30.2**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	95-50-1	
1,3-Dichlorobenzene	**<33.8**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	541-73-1	
1,4-Dichlorobenzene	**<35.0**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	106-46-7	
3,3'-Dichlorobenzidine	**<136**	ug/kg	797	1	01/30/18 15:00	01/31/18 18:31	91-94-1	
2,4-Dichlorophenol	**<36.2**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	120-83-2	
Diethylphthalate	**<37.4**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	84-66-2	
2,4-Dimethylphenol	**<21.7**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	105-67-9	
Dimethylphthalate	**<38.6**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	131-11-3	
Di-n-butylphthalate	**<42.3**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	84-74-2	
4,6-Dinitro-2-methylphenol	**<53.1**	ug/kg	2020	1	01/30/18 15:00	01/31/18 18:31	534-52-1	
2,4-Dinitrophenol	**<58.0**	ug/kg	2020	1	01/30/18 15:00	01/31/18 18:31	51-28-5	
2,4-Dinitrotoluene	**<33.8**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	121-14-2	
2,6-Dinitrotoluene	**<41.1**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	606-20-2	
Di-n-octylphthalate	**<47.1**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	117-84-0	
bis(2-Ethylhexyl)phthalate	**<138**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	117-81-7	
Fluoranthene	**<37.4**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	206-44-0	
Fluorene	**<37.4**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	86-73-7	
Hexachloro-1,3-butadiene	**<39.8**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	87-68-3	
Hexachlorobenzene	**<38.6**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	118-74-1	
Hexachlorocyclopentadiene	**<84.5**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	77-47-4	
Hexachloroethane	**<30.2**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	67-72-1	
Indeno(1,2,3-cd)pyrene	**<43.5**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	193-39-5	
Isophorone	**<36.2**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	78-59-1	
2-Methylnaphthalene	**<29.0**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	91-57-6	
2-Methylphenol(o-Cresol)	**<37.4**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<43.5**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31		
Naphthalene	**<31.4**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	91-20-3	
2-Nitroaniline	**<67.6**	ug/kg	797	1	01/30/18 15:00	01/31/18 18:31	88-74-4	
3-Nitroaniline	**<121**	ug/kg	797	1	01/30/18 15:00	01/31/18 18:31	99-09-2	
4-Nitroaniline	**<103**	ug/kg	797	1	01/30/18 15:00	01/31/18 18:31	100-01-6	
Nitrobenzene	**<37.4**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	98-95-3	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-15 (3-5) **Lab ID: 60262831003** Collected: 01/25/18 10:10 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Nitrophenol	**<55.5**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	88-75-5	
4-Nitrophenol	**<62.8**	ug/kg	2020	1	01/30/18 15:00	01/31/18 18:31	100-02-7	
N-Nitroso-di-n-propylamine	**<39.8**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	621-64-7	
N-Nitrosodiphenylamine	**<31.4**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	86-30-6	
Pentachlorophenol	**<37.4**	ug/kg	2020	1	01/30/18 15:00	01/31/18 18:31	87-86-5	
Phenanthrene	**<37.4**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	85-01-8	
Phenol	**<31.4**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	108-95-2	
Pyrene	**<39.8**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	129-00-0	
Pyridine	**<32.6**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	110-86-1	
1,2,4-Trichlorobenzene	**<36.2**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	120-82-1	
2,4,5-Trichlorophenol	**<36.2**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	95-95-4	
2,4,6-Trichlorophenol	**<37.4**	ug/kg	398	1	01/30/18 15:00	01/31/18 18:31	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	81	%	41-114	1	01/30/18 15:00	01/31/18 18:31	4165-60-0	
2-Fluorobiphenyl (S)	85	%	61-109	1	01/30/18 15:00	01/31/18 18:31	321-60-8	
Terphenyl-d14 (S)	87	%	48-120	1	01/30/18 15:00	01/31/18 18:31	1718-51-0	
Phenol-d6 (S)	83	%	48-102	1	01/30/18 15:00	01/31/18 18:31	13127-88-3	
2-Fluorophenol (S)	83	%	46-102	1	01/30/18 15:00	01/31/18 18:31	367-12-4	
2,4,6-Tribromophenol (S)	96	%	39-114	1	01/30/18 15:00	01/31/18 18:31	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
TPH-ORO	**11.1J**	mg/kg	18.3	1	01/30/18 15:00	02/01/18 12:35		B
TPH-DRO	**2.0J**	mg/kg	18.3	1	01/30/18 15:00	02/01/18 12:35		
Surrogates								
Nitrobenzene-d5 (S)	91	%	41-114	1	01/30/18 15:00	02/01/18 12:35	4165-60-0	
2-Fluorobiphenyl (S)	84	%	61-109	1	01/30/18 15:00	02/01/18 12:35	321-60-8	
Terphenyl-d14 (S)	74	%	48-120	1	01/30/18 15:00	02/01/18 12:35	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260							
TPH-GRO	**<0.28**	mg/kg	0.56	1		02/06/18 17:44		
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	**<11.3**	ug/kg	22.5	1		02/06/18 17:44	67-64-1	
Benzene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	71-43-2	
Bromobenzene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	108-86-1	
Bromochloromethane	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	74-97-5	
Bromodichloromethane	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	75-27-4	
Bromoform	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	75-25-2	
Bromomethane	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	74-83-9	
2-Butanone (MEK)	**<5.6**	ug/kg	11.3	1		02/06/18 17:44	78-93-3	
n-Butylbenzene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	104-51-8	
sec-Butylbenzene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	135-98-8	
tert-Butylbenzene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	98-06-6	
Carbon disulfide	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	75-15-0	
Carbon tetrachloride	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	56-23-5	
Chlorobenzene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	108-90-7	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-15 (3-5) **Lab ID: 60262831003** Collected: 01/25/18 10:10 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Chloroethane	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	75-00-3	
Chloroform	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	67-66-3	
Chloromethane	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	74-87-3	
2-Chlorotoluene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	95-49-8	
4-Chlorotoluene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.6**	ug/kg	11.3	1		02/06/18 17:44	96-12-8	
Dibromochloromethane	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	124-48-1	
1,2-Dibromoethane (EDB)	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	106-93-4	
Dibromomethane	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	74-95-3	
1,2-Dichlorobenzene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	95-50-1	
1,3-Dichlorobenzene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	541-73-1	
1,4-Dichlorobenzene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	106-46-7	
Dichlorodifluoromethane	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	75-71-8	
1,1-Dichloroethane	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	75-34-3	
1,2-Dichloroethane	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	107-06-2	
1,2-Dichloroethene (Total)	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	540-59-0	
1,1-Dichloroethene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	75-35-4	
cis-1,2-Dichloroethene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	156-59-2	
trans-1,2-Dichloroethene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	156-60-5	
1,2-Dichloropropane	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	78-87-5	
1,3-Dichloropropane	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	142-28-9	
2,2-Dichloropropane	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	594-20-7	
1,1-Dichloropropene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	563-58-6	
cis-1,3-Dichloropropene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	10061-01-5	
trans-1,3-Dichloropropene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	10061-02-6	
Ethylbenzene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	100-41-4	
Hexachloro-1,3-butadiene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	87-68-3	
2-Hexanone	**<11.3**	ug/kg	22.5	1		02/06/18 17:44	591-78-6	
Isopropylbenzene (Cumene)	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	98-82-8	
p-Isopropyltoluene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	99-87-6	
Methylene chloride	**4.9J**	ug/kg	5.6	1		02/06/18 17:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.6**	ug/kg	11.3	1		02/06/18 17:44	108-10-1	
Methyl-tert-butyl ether	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	1634-04-4	
Naphthalene	**<5.6**	ug/kg	11.3	1		02/06/18 17:44	91-20-3	
n-Propylbenzene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	103-65-1	
Styrene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	79-34-5	
Tetrachloroethene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	127-18-4	
Toluene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	108-88-3	
1,2,3-Trichlorobenzene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	87-61-6	
1,2,4-Trichlorobenzene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	120-82-1	
1,1,1-Trichloroethane	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	71-55-6	
1,1,2-Trichloroethane	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	79-00-5	
Trichloroethene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	79-01-6	
Trichlorofluoromethane	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	75-69-4	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-15 (3-5) **Lab ID: 60262831003** Collected: 01/25/18 10:10 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
1,2,3-Trichloropropane	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	96-18-4	
1,2,4-Trimethylbenzene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	95-63-6	
1,3,5-Trimethylbenzene	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	108-67-8	
Vinyl chloride	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	75-01-4	
Xylene (Total)	**<2.8**	ug/kg	5.6	1		02/06/18 17:44	1330-20-7	
Surrogates								
Toluene-d8 (S)	97	%	78-122	1		02/06/18 17:44	2037-26-5	
4-Bromofluorobenzene (S)	97	%	69-133	1		02/06/18 17:44	460-00-4	
1,2-Dichloroethane-d4 (S)	117	%	80-123	1		02/06/18 17:44	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974							
Percent Moisture	**18.4**	%	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**7.8**	Std. Units	0.10	1		02/01/18 13:20		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056							
Sulfate	**<59.8**	mg/kg	120	10	02/05/18 08:00	02/06/18 06:01	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056							
Nitrate as N	**<6.0**	mg/kg	12.0	10	02/05/18 19:33	02/06/18 06:01	14797-55-8	
Nitrite as N	**<6.0**	mg/kg	12.0	10	02/05/18 19:33	02/06/18 06:01	14797-65-0	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-15 (13-14) **Lab ID: 60262831004** Collected: 01/25/18 10:20 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546							
Aldrin	**<0.68**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 22:30	309-00-2	
alpha-BHC	**<0.30**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 22:30	319-84-6	
beta-BHC	**<1.0**	ug/kg	3.2	1	02/02/18 13:00	02/05/18 22:30	319-85-7	
delta-BHC	**<0.92**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:30	319-86-8	
gamma-BHC (Lindane)	**<0.86**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:30	58-89-9	
Chlordane (Technical)	**<54.1**	ug/kg	289	1	02/02/18 13:00	02/05/18 22:30	57-74-9	
alpha-Chlordane	**<0.77**	ug/kg	3.2	1	02/02/18 13:00	02/05/18 22:30	5103-71-9	
gamma-Chlordane	**<1.3**	ug/kg	3.2	1	02/02/18 13:00	02/05/18 22:30	5103-74-2	
4,4'-DDD	**<0.63**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 22:30	72-54-8	
4,4'-DDE	**<0.60**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 22:30	72-55-9	
4,4'-DDT	**<1.2**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:30	50-29-3	
Dieldrin	**<0.84**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:30	60-57-1	
Endosulfan I	**<0.89**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:30	959-98-8	
Endosulfan II	**<0.62**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 22:30	33213-65-9	
Endosulfan sulfate	**<0.89**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:30	1031-07-8	
Endrin	**<0.89**	ug/kg	3.2	1	02/02/18 13:00	02/05/18 22:30	72-20-8	
Endrin aldehyde	**<0.89**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:30	7421-93-4	
Endrin ketone	**<1.1**	ug/kg	3.9	1	02/02/18 13:00	02/05/18 22:30	53494-70-5	
Heptachlor	**<1.5**	ug/kg	3.9	1	02/02/18 13:00	02/05/18 22:30	76-44-8	
Heptachlor epoxide	**<3.8**	ug/kg	9.6	1	02/02/18 13:00	02/05/18 22:30	1024-57-3	
Methoxychlor	**<1.1**	ug/kg	3.9	1	02/02/18 13:00	02/05/18 22:30	72-43-5	
Toxaphene	**<99.9**	ug/kg	289	1	02/02/18 13:00	02/05/18 22:30	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	76	%.	70-130	1	02/02/18 13:00	02/05/18 22:30	877-09-8	
Decachlorobiphenyl (S)	79	%.	70-130	1	02/02/18 13:00	02/05/18 22:30	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546							
Stirophos (Tetrachlorvinphos)	**<6.4**	ug/kg	12.8	1	02/02/18 13:00	02/06/18 03:36	22248-79-9	
Azinphos, methyl (Guthion)	**<6.4**	ug/kg	12.8	1	02/02/18 13:00	02/06/18 03:36	86-50-0	
Bolstar	**<6.4**	ug/kg	12.8	1	02/02/18 13:00	02/06/18 03:36	35400-43-2	
Chlorpyrifos	**<6.4**	ug/kg	12.8	1	02/02/18 13:00	02/06/18 03:36	2921-88-2	
Coumaphos	**<6.4**	ug/kg	12.8	1	02/02/18 13:00	02/06/18 03:36	56-72-4	
Diazinon	**<6.4**	ug/kg	12.8	1	02/02/18 13:00	02/06/18 03:36	333-41-5	
Dichlorvos	**<3.2**	ug/kg	6.4	1	02/02/18 13:00	02/06/18 03:36	62-73-7	
Dimethoate	**<6.4**	ug/kg	12.8	1	02/02/18 13:00	02/06/18 03:36	60-51-5	
Disulfoton	**<3.2**	ug/kg	6.4	1	02/02/18 13:00	02/06/18 03:36	298-04-4	
EPN (ENT)	**<4.1**	ug/kg	6.4	1	02/02/18 13:00	02/06/18 03:36	2104-64-5	
Ethoprop	**<3.2**	ug/kg	6.4	1	02/02/18 13:00	02/06/18 03:36	13194-48-4	
Fensulfothion	**<6.4**	ug/kg	12.8	1	02/02/18 13:00	02/06/18 03:36	115-90-2	
Fenthion	**<3.2**	ug/kg	6.4	1	02/02/18 13:00	02/06/18 03:36	55-38-9	
Malathion	**<6.4**	ug/kg	12.8	1	02/02/18 13:00	02/06/18 03:36	121-75-5	
Methyl parathion	**<3.2**	ug/kg	6.4	1	02/02/18 13:00	02/06/18 03:36	298-00-0	
Mevinphos	**<3.8**	ug/kg	6.4	1	02/02/18 13:00	02/06/18 03:36	7786-34-7	
Parathion (Ethyl parathion)	**<6.4**	ug/kg	12.8	1	02/02/18 13:00	02/06/18 03:36	56-38-2	
Phorate	**<3.2**	ug/kg	6.4	1	02/02/18 13:00	02/06/18 03:36	298-02-2	
Ronnel	**<3.2**	ug/kg	6.4	1	02/02/18 13:00	02/06/18 03:36	299-84-3	

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(913)599-5665

ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-15 (13-14) **Lab ID: 60262831004** Collected: 01/25/18 10:20 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546							
Sulfotep (Thiodiphosphoric Ac	**<3.2**	ug/kg	6.4	1	02/02/18 13:00	02/06/18 03:36	3689-24-5	
Tokuthion (Prothiofos)	**<3.2**	ug/kg	6.4	1	02/02/18 13:00	02/06/18 03:36	34643-46-4	
Trichloronate	**<6.4**	ug/kg	12.8	1	02/02/18 13:00	02/06/18 03:36	327-98-0	
Total Demeton	**<5.3**	ug/kg	6.4	1	02/02/18 13:00	02/06/18 03:36	8065-48-3	N2
Total Merphos	**<6.4**	ug/kg	25.7	1	02/02/18 13:00	02/06/18 03:36	150-50-5	N2
Surrogates								
Triphenylphosphate (S)	99	%.	11-137	1	02/02/18 13:00	02/06/18 03:36	115-86-6	
Tributylphosphate (S)	75	%.	17-125	1	02/02/18 13:00	02/06/18 03:36	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546							
2,4-D	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 16:18	94-75-7	
Dalapon	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 16:18	75-99-0	
2,4-DB	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 16:18	94-82-6	
Dicamba	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 16:18	1918-00-9	
Dichloroprop	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 16:18	15165-67-0	
Dinoseb	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 16:18	88-85-7	
MCPA	**<322**	ug/kg	322	1	02/06/18 12:15	02/07/18 16:18	94-74-6	
MCPP	**<322**	ug/kg	322	1	02/06/18 12:15	02/07/18 16:18	7085-19-0	
2,4,5-T	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 16:18	93-76-5	
2,4,5-TP (Silvex)	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 16:18	93-72-1	
Surrogates								
2,4-DCAA (S)	23	%.	10-188	1	02/06/18 12:15	02/07/18 16:18	19719-28-9	
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**4.3**	mg/kg	1.3	1	01/30/18 14:45	02/06/18 15:59	7440-38-2	
Barium	**155**	mg/kg	0.65	1	01/30/18 14:45	02/06/18 15:59	7440-39-3	
Cadmium	**<0.048**	mg/kg	0.65	1	01/30/18 14:45	02/06/18 15:59	7440-43-9	
Chromium	**18.4**	mg/kg	0.65	1	01/30/18 14:45	02/06/18 15:59	7440-47-3	
Lead	**16.1**	mg/kg	0.65	1	01/30/18 14:45	02/06/18 15:59	7439-92-1	
Selenium	**<0.97**	mg/kg	2.0	1	01/30/18 14:45	02/06/18 15:59	7782-49-2	
Silver	**<0.22**	mg/kg	0.91	1	01/30/18 14:45	02/06/18 15:59	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.014J**	mg/kg	0.059	1	02/02/18 09:59	02/02/18 14:32	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	**294J**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	83-32-9	
Acenaphthylene	**<39.8**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	208-96-8	
Anthracene	**<45.0**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	120-12-7	
Benzo(a)anthracene	**<38.5**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	56-55-3	
Benzo(a)pyrene	**<33.4**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	50-32-8	
Benzo(b)fluoranthene	**<29.5**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	205-99-2	
Benzo(g,h,i)perylene	**<41.1**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	191-24-2	
Benzo(k)fluoranthene	**<50.1**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	207-08-9	
Benzoic acid	**<39.8**	ug/kg	2150	1	01/30/18 15:00	01/31/18 18:53	65-85-0	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-15 (13-14) **Lab ID: 60262831004** Collected: 01/25/18 10:20 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Benzyl alcohol	**<132**	ug/kg	848	1	01/30/18 15:00	01/31/18 18:53	100-51-6	
4-Bromophenylphenyl ether	**<33.4**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	101-55-3	
Butylbenzylphthalate	**<55.2**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	85-68-7	
Carbazole	**<34.7**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	86-74-8	
4-Chloro-3-methylphenol	**<46.2**	ug/kg	848	1	01/30/18 15:00	01/31/18 18:53	59-50-7	
4-Chloroaniline	**<83.5**	ug/kg	848	1	01/30/18 15:00	01/31/18 18:53	106-47-8	
bis(2-Chloroethoxy)methane	**<33.4**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	111-91-1	
bis(2-Chloroethyl) ether	**<33.4**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	111-44-4	
bis(2-Chloroisopropyl) ether	**<33.4**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	39638-32-9	
2-Chloronaphthalene	**<36.0**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	91-58-7	
2-Chlorophenol	**<34.7**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	95-57-8	
4-Chlorophenylphenyl ether	**<41.1**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	7005-72-3	
Chrysene	**<36.0**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	218-01-9	
Dibenz(a,h)anthracene	**<38.5**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	53-70-3	
Dibenzofuran	**<38.5**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	132-64-9	
1,2-Dichlorobenzene	**<32.1**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	95-50-1	
1,3-Dichlorobenzene	**<36.0**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	541-73-1	
1,4-Dichlorobenzene	**<37.3**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	106-46-7	
3,3'-Dichlorobenzidine	**<145**	ug/kg	848	1	01/30/18 15:00	01/31/18 18:53	91-94-1	
2,4-Dichlorophenol	**<38.5**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	120-83-2	
Diethylphthalate	**<39.8**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	84-66-2	
2,4-Dimethylphenol	**<23.1**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	105-67-9	
Dimethylphthalate	**<41.1**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	131-11-3	
Di-n-butylphthalate	**<45.0**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	84-74-2	
4,6-Dinitro-2-methylphenol	**<56.5**	ug/kg	2150	1	01/30/18 15:00	01/31/18 18:53	534-52-1	
2,4-Dinitrophenol	**<61.7**	ug/kg	2150	1	01/30/18 15:00	01/31/18 18:53	51-28-5	
2,4-Dinitrotoluene	**<36.0**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	121-14-2	
2,6-Dinitrotoluene	**<43.7**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	606-20-2	
Di-n-octylphthalate	**<50.1**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	117-84-0	
bis(2-Ethylhexyl)phthalate	**<146**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	117-81-7	
Fluoranthene	**<39.8**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	206-44-0	
Fluorene	**<39.8**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	86-73-7	
Hexachloro-1,3-butadiene	**<42.4**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	87-68-3	
Hexachlorobenzene	**<41.1**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	118-74-1	
Hexachlorocyclopentadiene	**<89.9**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	77-47-4	
Hexachloroethane	**<32.1**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	67-72-1	
Indeno(1,2,3-cd)pyrene	**<46.2**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	193-39-5	
Isophorone	**<38.5**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	78-59-1	
2-Methylnaphthalene	**<30.8**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	91-57-6	
2-Methylphenol(o-Cresol)	**<39.8**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<46.2**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53		
Naphthalene	**<33.4**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	91-20-3	
2-Nitroaniline	**<71.9**	ug/kg	848	1	01/30/18 15:00	01/31/18 18:53	88-74-4	
3-Nitroaniline	**<128**	ug/kg	848	1	01/30/18 15:00	01/31/18 18:53	99-09-2	
4-Nitroaniline	**<109**	ug/kg	848	1	01/30/18 15:00	01/31/18 18:53	100-01-6	
Nitrobenzene	**<39.8**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	98-95-3	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-15 (13-14) **Lab ID: 60262831004** Collected: 01/25/18 10:20 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Nitrophenol	**<59.1**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	88-75-5	
4-Nitrophenol	**<66.8**	ug/kg	2150	1	01/30/18 15:00	01/31/18 18:53	100-02-7	
N-Nitroso-di-n-propylamine	**<42.4**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	621-64-7	
N-Nitrosodiphenylamine	**<33.4**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	86-30-6	
Pentachlorophenol	**<39.8**	ug/kg	2150	1	01/30/18 15:00	01/31/18 18:53	87-86-5	
Phenanthrene	**<39.8**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	85-01-8	
Phenol	**<33.4**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	108-95-2	
Pyrene	**<42.4**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	129-00-0	
Pyridine	**<34.7**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	110-86-1	
1,2,4-Trichlorobenzene	**<38.5**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	120-82-1	
2,4,5-Trichlorophenol	**<38.5**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	95-95-4	
2,4,6-Trichlorophenol	**<39.8**	ug/kg	424	1	01/30/18 15:00	01/31/18 18:53	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	73	%	41-114	1	01/30/18 15:00	01/31/18 18:53	4165-60-0	
2-Fluorobiphenyl (S)	76	%	61-109	1	01/30/18 15:00	01/31/18 18:53	321-60-8	
Terphenyl-d14 (S)	74	%	48-120	1	01/30/18 15:00	01/31/18 18:53	1718-51-0	
Phenol-d6 (S)	76	%	48-102	1	01/30/18 15:00	01/31/18 18:53	13127-88-3	
2-Fluorophenol (S)	76	%	46-102	1	01/30/18 15:00	01/31/18 18:53	367-12-4	
2,4,6-Tribromophenol (S)	85	%	39-114	1	01/30/18 15:00	01/31/18 18:53	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
TPH-ORO	**47.3**	mg/kg	19.5	1	01/30/18 15:00	02/01/18 12:56		
TPH-DRO	**1450**	mg/kg	19.5	1	01/30/18 15:00	02/01/18 12:56		
Surrogates								
Nitrobenzene-d5 (S)	86	%	41-114	1	01/30/18 15:00	02/01/18 12:56	4165-60-0	
2-Fluorobiphenyl (S)	75	%	61-109	1	01/30/18 15:00	02/01/18 12:56	321-60-8	
Terphenyl-d14 (S)	76	%	48-120	1	01/30/18 15:00	02/01/18 12:56	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260							
TPH-GRO	**1.3**	mg/kg	0.53	1		02/06/18 18:00		
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	**<10.6**	ug/kg	21.2	1		02/06/18 18:00	67-64-1	
Benzene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	71-43-2	
Bromobenzene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	108-86-1	
Bromochloromethane	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	74-97-5	
Bromodichloromethane	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	75-27-4	
Bromoform	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	75-25-2	
Bromomethane	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	74-83-9	
2-Butanone (MEK)	**<5.3**	ug/kg	10.6	1		02/06/18 18:00	78-93-3	
n-Butylbenzene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	104-51-8	
sec-Butylbenzene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	135-98-8	
tert-Butylbenzene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	98-06-6	
Carbon disulfide	**7.2**	ug/kg	5.3	1		02/06/18 18:00	75-15-0	
Carbon tetrachloride	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	56-23-5	
Chlorobenzene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	108-90-7	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-15 (13-14) **Lab ID: 60262831004** Collected: 01/25/18 10:20 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Chloroethane	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	75-00-3	
Chloroform	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	67-66-3	
Chloromethane	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	74-87-3	
2-Chlorotoluene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	95-49-8	
4-Chlorotoluene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.3**	ug/kg	10.6	1		02/06/18 18:00	96-12-8	
Dibromochloromethane	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	124-48-1	
1,2-Dibromoethane (EDB)	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	106-93-4	
Dibromomethane	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	74-95-3	
1,2-Dichlorobenzene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	95-50-1	
1,3-Dichlorobenzene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	541-73-1	
1,4-Dichlorobenzene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	106-46-7	
Dichlorodifluoromethane	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	75-71-8	
1,1-Dichloroethane	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	75-34-3	
1,2-Dichloroethane	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	107-06-2	
1,2-Dichloroethene (Total)	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	540-59-0	
1,1-Dichloroethene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	75-35-4	
cis-1,2-Dichloroethene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	156-59-2	
trans-1,2-Dichloroethene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	156-60-5	
1,2-Dichloropropane	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	78-87-5	
1,3-Dichloropropane	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	142-28-9	
2,2-Dichloropropane	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	594-20-7	
1,1-Dichloropropene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	563-58-6	
cis-1,3-Dichloropropene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	10061-01-5	
trans-1,3-Dichloropropene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	10061-02-6	
Ethylbenzene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	87-68-3	
2-Hexanone	**<10.6**	ug/kg	21.2	1		02/06/18 18:00	591-78-6	
Isopropylbenzene (Cumene)	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	98-82-8	
p-Isopropyltoluene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	99-87-6	
Methylene chloride	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.3**	ug/kg	10.6	1		02/06/18 18:00	108-10-1	
Methyl-tert-butyl ether	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	1634-04-4	
Naphthalene	**<5.3**	ug/kg	10.6	1		02/06/18 18:00	91-20-3	
n-Propylbenzene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	103-65-1	
Styrene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	79-34-5	
Tetrachloroethene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	127-18-4	
Toluene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	108-88-3	
1,2,3-Trichlorobenzene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	87-61-6	
1,2,4-Trichlorobenzene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	120-82-1	
1,1,1-Trichloroethane	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	71-55-6	
1,1,2-Trichloroethane	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	79-00-5	
Trichloroethene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	79-01-6	
Trichlorofluoromethane	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	75-69-4	

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(913)599-5665

ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-15 (13-14) **Lab ID: 60262831004** Collected: 01/25/18 10:20 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
1,2,3-Trichloropropane	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	96-18-4	
1,2,4-Trimethylbenzene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	95-63-6	
1,3,5-Trimethylbenzene	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	108-67-8	
Vinyl chloride	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	75-01-4	
Xylene (Total)	**<2.7**	ug/kg	5.3	1		02/06/18 18:00	1330-20-7	
Surrogates								
Toluene-d8 (S)	99	%	78-122	1		02/06/18 18:00	2037-26-5	
4-Bromofluorobenzene (S)	91	%	69-133	1		02/06/18 18:00	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	80-123	1		02/06/18 18:00	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974							
Percent Moisture	**23.2**	%	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**8.8**	Std. Units	0.10	1		02/01/18 13:20		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056							
Sulfate	**74.1J**	mg/kg	128	10	02/05/18 08:00	02/06/18 06:15	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056							
Nitrate as N	**<6.4**	mg/kg	12.8	10	02/05/18 19:33	02/06/18 06:15	14797-55-8	
Nitrite as N	**<6.4**	mg/kg	12.8	10	02/05/18 19:33	02/06/18 06:15	14797-65-0	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-15 (14-15) **Lab ID: 60262831005** Collected: 01/25/18 10:30 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546							
Aldrin	**<0.67**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 22:44	309-00-2	
alpha-BHC	**<0.30**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 22:44	319-84-6	
beta-BHC	**<1.0**	ug/kg	3.2	1	02/02/18 13:00	02/05/18 22:44	319-85-7	
delta-BHC	**<0.91**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:44	319-86-8	
gamma-BHC (Lindane)	**<0.85**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:44	58-89-9	
Chlordane (Technical)	**<53.5**	ug/kg	286	1	02/02/18 13:00	02/05/18 22:44	57-74-9	
alpha-Chlordane	**<0.76**	ug/kg	3.2	1	02/02/18 13:00	02/05/18 22:44	5103-71-9	
gamma-Chlordane	**<1.3**	ug/kg	3.2	1	02/02/18 13:00	02/05/18 22:44	5103-74-2	
4,4'-DDD	**<0.62**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 22:44	72-54-8	
4,4'-DDE	**<0.60**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 22:44	72-55-9	
4,4'-DDT	**<1.2**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:44	50-29-3	
Dieldrin	**<0.83**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:44	60-57-1	
Endosulfan I	**<0.88**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:44	959-98-8	
Endosulfan II	**<0.61**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 22:44	33213-65-9	
Endosulfan sulfate	**<0.88**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:44	1031-07-8	
Endrin	**<0.88**	ug/kg	3.2	1	02/02/18 13:00	02/05/18 22:44	72-20-8	
Endrin aldehyde	**<0.88**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:44	7421-93-4	
Endrin ketone	**<1.0**	ug/kg	3.8	1	02/02/18 13:00	02/05/18 22:44	53494-70-5	
Heptachlor	**<1.5**	ug/kg	3.8	1	02/02/18 13:00	02/05/18 22:44	76-44-8	
Heptachlor epoxide	**<3.8**	ug/kg	9.5	1	02/02/18 13:00	02/05/18 22:44	1024-57-3	
Methoxychlor	**<1.1**	ug/kg	3.8	1	02/02/18 13:00	02/05/18 22:44	72-43-5	
Toxaphene	**<98.7**	ug/kg	286	1	02/02/18 13:00	02/05/18 22:44	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	71	%.	70-130	1	02/02/18 13:00	02/05/18 22:44	877-09-8	
Decachlorobiphenyl (S)	64	%.	70-130	1	02/02/18 13:00	02/05/18 22:44	2051-24-3	S1
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546							
Stirophos (Tetrachlorvinphos)	**<6.3**	ug/kg	12.7	1	02/02/18 13:00	02/06/18 04:03	22248-79-9	
Azinphos, methyl (Guthion)	**<6.3**	ug/kg	12.7	1	02/02/18 13:00	02/06/18 04:03	86-50-0	
Bolstar	**<6.3**	ug/kg	12.7	1	02/02/18 13:00	02/06/18 04:03	35400-43-2	
Chlorpyrifos	**<6.3**	ug/kg	12.7	1	02/02/18 13:00	02/06/18 04:03	2921-88-2	
Coumaphos	**<6.3**	ug/kg	12.7	1	02/02/18 13:00	02/06/18 04:03	56-72-4	
Diazinon	**<6.3**	ug/kg	12.7	1	02/02/18 13:00	02/06/18 04:03	333-41-5	
Dichlorvos	**<3.2**	ug/kg	6.3	1	02/02/18 13:00	02/06/18 04:03	62-73-7	
Dimethoate	**<6.3**	ug/kg	12.7	1	02/02/18 13:00	02/06/18 04:03	60-51-5	
Disulfoton	**<3.2**	ug/kg	6.3	1	02/02/18 13:00	02/06/18 04:03	298-04-4	
EPN (ENT)	**<4.0**	ug/kg	6.3	1	02/02/18 13:00	02/06/18 04:03	2104-64-5	
Ethoprop	**<3.2**	ug/kg	6.3	1	02/02/18 13:00	02/06/18 04:03	13194-48-4	
Fensulfothion	**<6.3**	ug/kg	12.7	1	02/02/18 13:00	02/06/18 04:03	115-90-2	
Fenthion	**<3.2**	ug/kg	6.3	1	02/02/18 13:00	02/06/18 04:03	55-38-9	
Malathion	**<6.3**	ug/kg	12.7	1	02/02/18 13:00	02/06/18 04:03	121-75-5	
Methyl parathion	**<3.2**	ug/kg	6.3	1	02/02/18 13:00	02/06/18 04:03	298-00-0	
Mevinphos	**<3.7**	ug/kg	6.3	1	02/02/18 13:00	02/06/18 04:03	7786-34-7	
Parathion (Ethyl parathion)	**<6.3**	ug/kg	12.7	1	02/02/18 13:00	02/06/18 04:03	56-38-2	
Phorate	**<3.2**	ug/kg	6.3	1	02/02/18 13:00	02/06/18 04:03	298-02-2	
Ronnel	**<3.2**	ug/kg	6.3	1	02/02/18 13:00	02/06/18 04:03	299-84-3	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-15 (14-15) **Lab ID: 60262831005** Collected: 01/25/18 10:30 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546							
Sulfotep (Thiodiphosphoric Ac	**<3.2**	ug/kg	6.3	1	02/02/18 13:00	02/06/18 04:03	3689-24-5	
Tokuthion (Prothiofos)	**<3.2**	ug/kg	6.3	1	02/02/18 13:00	02/06/18 04:03	34643-46-4	
Trichloronate	**<6.3**	ug/kg	12.7	1	02/02/18 13:00	02/06/18 04:03	327-98-0	
Total Demeton	**<5.2**	ug/kg	6.3	1	02/02/18 13:00	02/06/18 04:03	8065-48-3	N2
Total Merphos	**<6.3**	ug/kg	25.4	1	02/02/18 13:00	02/06/18 04:03	150-50-5	N2
Surrogates								
Triphenylphosphate (S)	97	%.	11-137	1	02/02/18 13:00	02/06/18 04:03	115-86-6	
Tributylphosphate (S)	105	%.	17-125	1	02/02/18 13:00	02/06/18 04:03	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546							
2,4-D	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 16:18	94-75-7	
Dalapon	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 16:18	75-99-0	
2,4-DB	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 16:18	94-82-6	
Dicamba	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 16:18	1918-00-9	
Dichloroprop	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 16:18	15165-67-0	
Dinoseb	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 16:18	88-85-7	
MCPA	**<316**	ug/kg	316	1	02/06/18 12:15	02/07/18 16:18	94-74-6	
MCPP	**<316**	ug/kg	316	1	02/06/18 12:15	02/07/18 16:18	7085-19-0	
2,4,5-T	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 16:18	93-76-5	
2,4,5-TP (Silvex)	**<3.2**	ug/kg	3.2	1	02/06/18 12:15	02/07/18 16:18	93-72-1	
Surrogates								
2,4-DCAA (S)	30	%.	10-188	1	02/06/18 12:15	02/07/18 16:18	19719-28-9	
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**8.3**	mg/kg	1.2	1	01/30/18 14:45	02/06/18 16:01	7440-38-2	
Barium	**174**	mg/kg	0.58	1	01/30/18 14:45	02/06/18 16:01	7440-39-3	
Cadmium	**0.13J**	mg/kg	0.58	1	01/30/18 14:45	02/06/18 16:01	7440-43-9	
Chromium	**19.7**	mg/kg	0.58	1	01/30/18 14:45	02/06/18 16:01	7440-47-3	
Lead	**10.8**	mg/kg	0.58	1	01/30/18 14:45	02/06/18 16:01	7439-92-1	
Selenium	**<0.86**	mg/kg	1.7	1	01/30/18 14:45	02/06/18 16:01	7782-49-2	
Silver	**<0.19**	mg/kg	0.81	1	01/30/18 14:45	02/06/18 16:01	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.015J**	mg/kg	0.062	1	02/02/18 09:59	02/02/18 14:34	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	**<44.7**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	83-32-9	
Acenaphthylene	**<39.6**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	208-96-8	
Anthracene	**<44.7**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	120-12-7	
Benzo(a)anthracene	**<38.3**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	56-55-3	
Benzo(a)pyrene	**<33.2**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	50-32-8	
Benzo(b)fluoranthene	**<29.4**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	205-99-2	
Benzo(g,h,i)perylene	**<40.9**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	191-24-2	
Benzo(k)fluoranthene	**<49.8**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	207-08-9	
Benzoic acid	**<39.6**	ug/kg	2130	1	01/30/18 15:00	01/31/18 19:14	65-85-0	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-15 (14-15) **Lab ID: 60262831005** Collected: 01/25/18 10:30 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Benzyl alcohol	**<132**	ug/kg	843	1	01/30/18 15:00	01/31/18 19:14	100-51-6	
4-Bromophenylphenyl ether	**<33.2**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	101-55-3	
Butylbenzylphthalate	**<54.9**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	85-68-7	
Carbazole	**<34.5**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	86-74-8	
4-Chloro-3-methylphenol	**<46.0**	ug/kg	843	1	01/30/18 15:00	01/31/18 19:14	59-50-7	
4-Chloroaniline	**<83.1**	ug/kg	843	1	01/30/18 15:00	01/31/18 19:14	106-47-8	
bis(2-Chloroethoxy)methane	**<33.2**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	111-91-1	
bis(2-Chloroethyl) ether	**<33.2**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	111-44-4	
bis(2-Chloroisopropyl) ether	**<33.2**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	39638-32-9	
2-Chloronaphthalene	**<35.8**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	91-58-7	
2-Chlorophenol	**<34.5**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	95-57-8	
4-Chlorophenylphenyl ether	**<40.9**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	7005-72-3	
Chrysene	**<35.8**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	218-01-9	
Dibenz(a,h)anthracene	**<38.3**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	53-70-3	
Dibenzofuran	**<38.3**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	132-64-9	
1,2-Dichlorobenzene	**<31.9**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	95-50-1	
1,3-Dichlorobenzene	**<35.8**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	541-73-1	
1,4-Dichlorobenzene	**<37.1**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	106-46-7	
3,3'-Dichlorobenzidine	**<144**	ug/kg	843	1	01/30/18 15:00	01/31/18 19:14	91-94-1	
2,4-Dichlorophenol	**<38.3**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	120-83-2	
Diethylphthalate	**<39.6**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	84-66-2	
2,4-Dimethylphenol	**<23.0**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	105-67-9	
Dimethylphthalate	**<40.9**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	131-11-3	
Di-n-butylphthalate	**<44.7**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	84-74-2	
4,6-Dinitro-2-methylphenol	**<56.2**	ug/kg	2130	1	01/30/18 15:00	01/31/18 19:14	534-52-1	
2,4-Dinitrophenol	**<61.3**	ug/kg	2130	1	01/30/18 15:00	01/31/18 19:14	51-28-5	
2,4-Dinitrotoluene	**<35.8**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	121-14-2	
2,6-Dinitrotoluene	**<43.4**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	606-20-2	
Di-n-octylphthalate	**<49.8**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	117-84-0	
bis(2-Ethylhexyl)phthalate	**<146**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	117-81-7	
Fluoranthene	**<39.6**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	206-44-0	
Fluorene	**<39.6**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	86-73-7	
Hexachloro-1,3-butadiene	**<42.2**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	87-68-3	
Hexachlorobenzene	**<40.9**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	118-74-1	
Hexachlorocyclopentadiene	**<89.4**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	77-47-4	
Hexachloroethane	**<31.9**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	67-72-1	
Indeno(1,2,3-cd)pyrene	**<46.0**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	193-39-5	
Isophorone	**<38.3**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	78-59-1	
2-Methylnaphthalene	**<30.7**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	91-57-6	
2-Methylphenol(o-Cresol)	**<39.6**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<46.0**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14		
Naphthalene	**<33.2**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	91-20-3	
2-Nitroaniline	**<71.6**	ug/kg	843	1	01/30/18 15:00	01/31/18 19:14	88-74-4	
3-Nitroaniline	**<128**	ug/kg	843	1	01/30/18 15:00	01/31/18 19:14	99-09-2	
4-Nitroaniline	**<109**	ug/kg	843	1	01/30/18 15:00	01/31/18 19:14	100-01-6	
Nitrobenzene	**<39.6**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	98-95-3	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-15 (14-15) **Lab ID: 60262831005** Collected: 01/25/18 10:30 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Nitrophenol	**<58.8**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	88-75-5	
4-Nitrophenol	**<66.4**	ug/kg	2130	1	01/30/18 15:00	01/31/18 19:14	100-02-7	
N-Nitroso-di-n-propylamine	**<42.2**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	621-64-7	
N-Nitrosodiphenylamine	**<33.2**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	86-30-6	
Pentachlorophenol	**<39.6**	ug/kg	2130	1	01/30/18 15:00	01/31/18 19:14	87-86-5	
Phenanthrene	**<39.6**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	85-01-8	
Phenol	**<33.2**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	108-95-2	
Pyrene	**<42.2**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	129-00-0	
Pyridine	**<34.5**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	110-86-1	
1,2,4-Trichlorobenzene	**<38.3**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	120-82-1	
2,4,5-Trichlorophenol	**<38.3**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	95-95-4	
2,4,6-Trichlorophenol	**<39.6**	ug/kg	422	1	01/30/18 15:00	01/31/18 19:14	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	84	%	41-114	1	01/30/18 15:00	01/31/18 19:14	4165-60-0	
2-Fluorobiphenyl (S)	83	%	61-109	1	01/30/18 15:00	01/31/18 19:14	321-60-8	
Terphenyl-d14 (S)	82	%	48-120	1	01/30/18 15:00	01/31/18 19:14	1718-51-0	
Phenol-d6 (S)	88	%	48-102	1	01/30/18 15:00	01/31/18 19:14	13127-88-3	
2-Fluorophenol (S)	86	%	46-102	1	01/30/18 15:00	01/31/18 19:14	367-12-4	
2,4,6-Tribromophenol (S)	94	%	39-114	1	01/30/18 15:00	01/31/18 19:14	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
TPH-ORO	**14.0J**	mg/kg	19.2	1	01/30/18 15:00	02/01/18 13:17		B
TPH-DRO	**26.1**	mg/kg	19.2	1	01/30/18 15:00	02/01/18 13:17		
Surrogates								
Nitrobenzene-d5 (S)	79	%	41-114	1	01/30/18 15:00	02/01/18 13:17	4165-60-0	
2-Fluorobiphenyl (S)	79	%	61-109	1	01/30/18 15:00	02/01/18 13:17	321-60-8	
Terphenyl-d14 (S)	79	%	48-120	1	01/30/18 15:00	02/01/18 13:17	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260							
TPH-GRO	**0.29J**	mg/kg	0.52	1		02/06/18 18:15		
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	**<10.3**	ug/kg	20.6	1		02/06/18 18:15	67-64-1	
Benzene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	71-43-2	
Bromobenzene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	108-86-1	
Bromochloromethane	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	74-97-5	
Bromodichloromethane	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	75-27-4	
Bromoform	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	75-25-2	
Bromomethane	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	74-83-9	
2-Butanone (MEK)	**<5.2**	ug/kg	10.3	1		02/06/18 18:15	78-93-3	
n-Butylbenzene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	104-51-8	
sec-Butylbenzene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	135-98-8	
tert-Butylbenzene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	98-06-6	
Carbon disulfide	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	75-15-0	
Carbon tetrachloride	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	56-23-5	
Chlorobenzene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	108-90-7	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-15 (14-15) **Lab ID: 60262831005** Collected: 01/25/18 10:30 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Chloroethane	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	75-00-3	
Chloroform	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	67-66-3	
Chloromethane	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	74-87-3	
2-Chlorotoluene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	95-49-8	
4-Chlorotoluene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.2**	ug/kg	10.3	1		02/06/18 18:15	96-12-8	
Dibromochloromethane	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	124-48-1	
1,2-Dibromoethane (EDB)	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	106-93-4	
Dibromomethane	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	74-95-3	
1,2-Dichlorobenzene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	95-50-1	
1,3-Dichlorobenzene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	541-73-1	
1,4-Dichlorobenzene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	106-46-7	
Dichlorodifluoromethane	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	75-71-8	
1,1-Dichloroethane	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	75-34-3	
1,2-Dichloroethane	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	107-06-2	
1,2-Dichloroethene (Total)	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	540-59-0	
1,1-Dichloroethene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	75-35-4	
cis-1,2-Dichloroethene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	156-59-2	
trans-1,2-Dichloroethene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	156-60-5	
1,2-Dichloropropane	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	78-87-5	
1,3-Dichloropropane	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	142-28-9	
2,2-Dichloropropane	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	594-20-7	
1,1-Dichloropropene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	563-58-6	
cis-1,3-Dichloropropene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	10061-01-5	
trans-1,3-Dichloropropene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	10061-02-6	
Ethylbenzene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	100-41-4	
Hexachloro-1,3-butadiene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	87-68-3	
2-Hexanone	**<10.3**	ug/kg	20.6	1		02/06/18 18:15	591-78-6	
Isopropylbenzene (Cumene)	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	98-82-8	
p-Isopropyltoluene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	99-87-6	
Methylene chloride	**3.0J**	ug/kg	5.2	1		02/06/18 18:15	75-09-2	B
4-Methyl-2-pentanone (MIBK)	**<5.2**	ug/kg	10.3	1		02/06/18 18:15	108-10-1	
Methyl-tert-butyl ether	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	1634-04-4	
Naphthalene	**<5.2**	ug/kg	10.3	1		02/06/18 18:15	91-20-3	
n-Propylbenzene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	103-65-1	
Styrene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	79-34-5	
Tetrachloroethene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	127-18-4	
Toluene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	108-88-3	
1,2,3-Trichlorobenzene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	87-61-6	
1,2,4-Trichlorobenzene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	120-82-1	
1,1,1-Trichloroethane	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	71-55-6	
1,1,2-Trichloroethane	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	79-00-5	
Trichloroethene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	79-01-6	
Trichlorofluoromethane	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	75-69-4	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-15 (14-15) **Lab ID: 60262831005** Collected: 01/25/18 10:30 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
1,2,3-Trichloropropane	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	96-18-4	
1,2,4-Trimethylbenzene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	95-63-6	
1,3,5-Trimethylbenzene	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	108-67-8	
Vinyl chloride	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	75-01-4	
Xylene (Total)	**<2.6**	ug/kg	5.2	1		02/06/18 18:15	1330-20-7	
Surrogates								
Toluene-d8 (S)	101	%	78-122	1		02/06/18 18:15	2037-26-5	
4-Bromofluorobenzene (S)	97	%	69-133	1		02/06/18 18:15	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	80-123	1		02/06/18 18:15	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974							
Percent Moisture	**22.4**	%	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**8.9**	Std. Units	0.10	1		02/01/18 13:20		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056							
Sulfate	**67.5J**	mg/kg	131	10	02/05/18 08:00	02/06/18 06:29	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056							
Nitrate as N	**<6.5**	mg/kg	13.1	10	02/05/18 19:33	02/06/18 06:29	14797-55-8	
Nitrite as N	**<6.5**	mg/kg	13.1	10	02/05/18 19:33	02/06/18 06:29	14797-65-0	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-16 (3-5) **Lab ID: 60262831006** Collected: 01/25/18 11:10 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546							
Aldrin	**<0.67**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 22:59	309-00-2	
alpha-BHC	**<0.30**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 22:59	319-84-6	
beta-BHC	**<1.0**	ug/kg	3.2	1	02/02/18 13:00	02/05/18 22:59	319-85-7	
delta-BHC	**<0.91**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:59	319-86-8	
gamma-BHC (Lindane)	**<0.85**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:59	58-89-9	
Chlordane (Technical)	**<53.4**	ug/kg	285	1	02/02/18 13:00	02/05/18 22:59	57-74-9	
alpha-Chlordane	**<0.76**	ug/kg	3.2	1	02/02/18 13:00	02/05/18 22:59	5103-71-9	
gamma-Chlordane	**<1.3**	ug/kg	3.2	1	02/02/18 13:00	02/05/18 22:59	5103-74-2	
4,4'-DDD	**<0.62**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 22:59	72-54-8	
4,4'-DDE	**<0.59**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 22:59	72-55-9	
4,4'-DDT	**<1.2**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:59	50-29-3	
Dieldrin	**<0.82**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:59	60-57-1	
Endosulfan I	**<0.88**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:59	959-98-8	
Endosulfan II	**<0.61**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 22:59	33213-65-9	
Endosulfan sulfate	**<0.87**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:59	1031-07-8	
Endrin	**<0.88**	ug/kg	3.2	1	02/02/18 13:00	02/05/18 22:59	72-20-8	
Endrin aldehyde	**<0.88**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 22:59	7421-93-4	
Endrin ketone	**<1.0**	ug/kg	3.8	1	02/02/18 13:00	02/05/18 22:59	53494-70-5	
Heptachlor	**<1.4**	ug/kg	3.8	1	02/02/18 13:00	02/05/18 22:59	76-44-8	
Heptachlor epoxide	**<3.8**	ug/kg	9.5	1	02/02/18 13:00	02/05/18 22:59	1024-57-3	
Methoxychlor	**<1.1**	ug/kg	3.8	1	02/02/18 13:00	02/05/18 22:59	72-43-5	
Toxaphene	**<98.5**	ug/kg	285	1	02/02/18 13:00	02/05/18 22:59	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	67	%.	70-130	1	02/02/18 13:00	02/05/18 22:59	877-09-8	S1
Decachlorobiphenyl (S)	71	%.	70-130	1	02/02/18 13:00	02/05/18 22:59	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546							
Stirophos (Tetrachlorvinphos)	**<6.2**	ug/kg	12.5	1	02/02/18 13:00	02/09/18 14:12	22248-79-9	
Azinphos, methyl (Guthion)	**<6.2**	ug/kg	12.5	1	02/02/18 13:00	02/09/18 14:12	86-50-0	
Bolstar	**<6.2**	ug/kg	12.5	1	02/02/18 13:00	02/09/18 14:12	35400-43-2	
Chlorpyrifos	**<6.2**	ug/kg	12.5	1	02/02/18 13:00	02/09/18 14:12	2921-88-2	
Coumaphos	**<6.2**	ug/kg	12.5	1	02/02/18 13:00	02/09/18 14:12	56-72-4	
Diazinon	**<6.2**	ug/kg	12.5	1	02/02/18 13:00	02/09/18 14:12	333-41-5	
Dichlorvos	**<3.1**	ug/kg	6.2	1	02/02/18 13:00	02/09/18 14:12	62-73-7	
Dimethoate	**<6.2**	ug/kg	12.5	1	02/02/18 13:00	02/09/18 14:12	60-51-5	
Disulfoton	**<3.1**	ug/kg	6.2	1	02/02/18 13:00	02/09/18 14:12	298-04-4	
EPN (ENT)	**<4.0**	ug/kg	6.2	1	02/02/18 13:00	02/09/18 14:12	2104-64-5	
Ethoprop	**<3.1**	ug/kg	6.2	1	02/02/18 13:00	02/09/18 14:12	13194-48-4	
Fensulfothion	**<6.2**	ug/kg	12.5	1	02/02/18 13:00	02/09/18 14:12	115-90-2	
Fenthion	**<3.1**	ug/kg	6.2	1	02/02/18 13:00	02/09/18 14:12	55-38-9	
Malathion	**<6.2**	ug/kg	12.5	1	02/02/18 13:00	02/09/18 14:12	121-75-5	
Methyl parathion	**<3.1**	ug/kg	6.2	1	02/02/18 13:00	02/09/18 14:12	298-00-0	
Mevinphos	**<3.7**	ug/kg	6.2	1	02/02/18 13:00	02/09/18 14:12	7786-34-7	
Parathion (Ethyl parathion)	**<6.2**	ug/kg	12.5	1	02/02/18 13:00	02/09/18 14:12	56-38-2	
Phorate	**<3.1**	ug/kg	6.2	1	02/02/18 13:00	02/09/18 14:12	298-02-2	
Ronnel	**<3.1**	ug/kg	6.2	1	02/02/18 13:00	02/09/18 14:12	299-84-3	

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(913)599-5665

ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-16 (3-5) **Lab ID: 60262831006** Collected: 01/25/18 11:10 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546							
Sulfotep (Thiodiphosphoric Ac	**<3.1**	ug/kg	6.2	1	02/02/18 13:00	02/09/18 14:12	3689-24-5	
Tokuthion (Prothiofos)	**<3.1**	ug/kg	6.2	1	02/02/18 13:00	02/09/18 14:12	34643-46-4	
Trichloronate	**<6.2**	ug/kg	12.5	1	02/02/18 13:00	02/09/18 14:12	327-98-0	
Total Demeton	**<5.1**	ug/kg	6.2	1	02/02/18 13:00	02/09/18 14:12	8065-48-3	N2
Total Merphos	**<6.2**	ug/kg	25.0	1	02/02/18 13:00	02/09/18 14:12	150-50-5	N2
Surrogates								
Triphenylphosphate (S)	96	%.	11-137	1	02/02/18 13:00	02/09/18 14:12	115-86-6	
Tributylphosphate (S)	113	%.	17-125	1	02/02/18 13:00	02/09/18 14:12	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546							
2,4-D	**<3.1**	ug/kg	3.1	1	02/06/18 12:15	02/07/18 16:43	94-75-7	
Dalapon	**<3.1**	ug/kg	3.1	1	02/06/18 12:15	02/07/18 16:43	75-99-0	
2,4-DB	**<3.1**	ug/kg	3.1	1	02/06/18 12:15	02/07/18 16:43	94-82-6	
Dicamba	**<3.1**	ug/kg	3.1	1	02/06/18 12:15	02/07/18 16:43	1918-00-9	
Dichloroprop	**<3.1**	ug/kg	3.1	1	02/06/18 12:15	02/07/18 16:43	15165-67-0	
Dinoseb	**<3.1**	ug/kg	3.1	1	02/06/18 12:15	02/07/18 16:43	88-85-7	
MCPA	**<314**	ug/kg	314	1	02/06/18 12:15	02/07/18 16:43	94-74-6	
MCPP	**<314**	ug/kg	314	1	02/06/18 12:15	02/07/18 16:43	7085-19-0	
2,4,5-T	**<3.1**	ug/kg	3.1	1	02/06/18 12:15	02/07/18 16:43	93-76-5	
2,4,5-TP (Silvex)	**<3.1**	ug/kg	3.1	1	02/06/18 12:15	02/07/18 16:43	93-72-1	
Surrogates								
2,4-DCAA (S)	25	%.	10-188	1	02/06/18 12:15	02/07/18 16:43	19719-28-9	
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**7.9**	mg/kg	1.3	1	01/30/18 14:45	02/06/18 16:08	7440-38-2	
Barium	**257**	mg/kg	0.64	1	01/30/18 14:45	02/06/18 16:08	7440-39-3	
Cadmium	**0.15J**	mg/kg	0.64	1	01/30/18 14:45	02/06/18 16:08	7440-43-9	
Chromium	**15.6**	mg/kg	0.64	1	01/30/18 14:45	02/06/18 16:08	7440-47-3	
Lead	**18.5**	mg/kg	0.64	1	01/30/18 14:45	02/06/18 16:08	7439-92-1	
Selenium	**<0.96**	mg/kg	1.9	1	01/30/18 14:45	02/06/18 16:08	7782-49-2	
Silver	**<0.21**	mg/kg	0.90	1	01/30/18 14:45	02/06/18 16:08	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.16**	mg/kg	0.051	1	02/02/18 09:59	02/02/18 14:36	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	**<44.2**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	83-32-9	
Acenaphthylene	**<39.1**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	208-96-8	
Anthracene	**<44.2**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	120-12-7	
Benzo(a)anthracene	**<37.9**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	56-55-3	
Benzo(a)pyrene	**<32.8**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	50-32-8	
Benzo(b)fluoranthene	**<29.0**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	205-99-2	
Benzo(g,h,i)perylene	**<40.4**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	191-24-2	
Benzo(k)fluoranthene	**<49.2**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	207-08-9	
Benzoic acid	**<39.1**	ug/kg	2110	1	01/30/18 15:00	01/31/18 19:36	65-85-0	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-16 (3-5) **Lab ID: 60262831006** Collected: 01/25/18 11:10 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Benzyl alcohol	**<130**	ug/kg	833	1	01/30/18 15:00	01/31/18 19:36	100-51-6	
4-Bromophenylphenyl ether	**<32.8**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	101-55-3	
Butylbenzylphthalate	**<54.3**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	85-68-7	
Carbazole	**<34.1**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	86-74-8	
4-Chloro-3-methylphenol	**<45.5**	ug/kg	833	1	01/30/18 15:00	01/31/18 19:36	59-50-7	
4-Chloroaniline	**<82.1**	ug/kg	833	1	01/30/18 15:00	01/31/18 19:36	106-47-8	
bis(2-Chloroethoxy)methane	**<32.8**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	111-91-1	
bis(2-Chloroethyl) ether	**<32.8**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	111-44-4	
bis(2-Chloroisopropyl) ether	**<32.8**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	39638-32-9	
2-Chloronaphthalene	**<35.4**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	91-58-7	
2-Chlorophenol	**<34.1**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	95-57-8	
4-Chlorophenylphenyl ether	**<40.4**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	7005-72-3	
Chrysene	**<35.4**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	218-01-9	
Dibenz(a,h)anthracene	**<37.9**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	53-70-3	
Dibenzofuran	**<37.9**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	132-64-9	
1,2-Dichlorobenzene	**<31.6**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	95-50-1	
1,3-Dichlorobenzene	**<35.4**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	541-73-1	
1,4-Dichlorobenzene	**<36.6**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	106-46-7	
3,3'-Dichlorobenzidine	**<143**	ug/kg	833	1	01/30/18 15:00	01/31/18 19:36	91-94-1	
2,4-Dichlorophenol	**<37.9**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	120-83-2	
Diethylphthalate	**<39.1**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	84-66-2	
2,4-Dimethylphenol	**<22.7**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	105-67-9	
Dimethylphthalate	**<40.4**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	131-11-3	
Di-n-butylphthalate	**<44.2**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	84-74-2	
4,6-Dinitro-2-methylphenol	**<55.6**	ug/kg	2110	1	01/30/18 15:00	01/31/18 19:36	534-52-1	
2,4-Dinitrophenol	**<60.6**	ug/kg	2110	1	01/30/18 15:00	01/31/18 19:36	51-28-5	
2,4-Dinitrotoluene	**<35.4**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	121-14-2	
2,6-Dinitrotoluene	**<42.9**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	606-20-2	
Di-n-octylphthalate	**<49.2**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	117-84-0	
bis(2-Ethylhexyl)phthalate	**<144**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	117-81-7	
Fluoranthene	**<39.1**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	206-44-0	
Fluorene	**<39.1**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	86-73-7	
Hexachloro-1,3-butadiene	**<41.7**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	87-68-3	
Hexachlorobenzene	**<40.4**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	118-74-1	
Hexachlorocyclopentadiene	**<88.4**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	77-47-4	
Hexachloroethane	**<31.6**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	67-72-1	
Indeno(1,2,3-cd)pyrene	**<45.5**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	193-39-5	
Isophorone	**<37.9**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	78-59-1	
2-Methylnaphthalene	**<30.3**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	91-57-6	
2-Methylphenol(o-Cresol)	**<39.1**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<45.5**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36		
Naphthalene	**<32.8**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	91-20-3	
2-Nitroaniline	**<70.7**	ug/kg	833	1	01/30/18 15:00	01/31/18 19:36	88-74-4	
3-Nitroaniline	**<126**	ug/kg	833	1	01/30/18 15:00	01/31/18 19:36	99-09-2	
4-Nitroaniline	**<107**	ug/kg	833	1	01/30/18 15:00	01/31/18 19:36	100-01-6	
Nitrobenzene	**<39.1**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	98-95-3	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-16 (3-5) **Lab ID: 60262831006** Collected: 01/25/18 11:10 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Nitrophenol	**<58.1**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	88-75-5	
4-Nitrophenol	**<65.7**	ug/kg	2110	1	01/30/18 15:00	01/31/18 19:36	100-02-7	
N-Nitroso-di-n-propylamine	**<41.7**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	621-64-7	
N-Nitrosodiphenylamine	**<32.8**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	86-30-6	
Pentachlorophenol	**<39.1**	ug/kg	2110	1	01/30/18 15:00	01/31/18 19:36	87-86-5	
Phenanthrene	**<39.1**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	85-01-8	
Phenol	**<32.8**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	108-95-2	
Pyrene	**<41.7**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	129-00-0	
Pyridine	**<34.1**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	110-86-1	
1,2,4-Trichlorobenzene	**<37.9**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	120-82-1	
2,4,5-Trichlorophenol	**<37.9**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	95-95-4	
2,4,6-Trichlorophenol	**<39.1**	ug/kg	417	1	01/30/18 15:00	01/31/18 19:36	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	78	%	41-114	1	01/30/18 15:00	01/31/18 19:36	4165-60-0	
2-Fluorobiphenyl (S)	84	%	61-109	1	01/30/18 15:00	01/31/18 19:36	321-60-8	
Terphenyl-d14 (S)	85	%	48-120	1	01/30/18 15:00	01/31/18 19:36	1718-51-0	
Phenol-d6 (S)	82	%	48-102	1	01/30/18 15:00	01/31/18 19:36	13127-88-3	
2-Fluorophenol (S)	80	%	46-102	1	01/30/18 15:00	01/31/18 19:36	367-12-4	
2,4,6-Tribromophenol (S)	90	%	39-114	1	01/30/18 15:00	01/31/18 19:36	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
TPH-ORO	**28.0**	mg/kg	19.0	1	01/30/18 15:00	02/01/18 13:38		B
TPH-DRO	**2.1J**	mg/kg	19.0	1	01/30/18 15:00	02/01/18 13:38		
Surrogates								
Nitrobenzene-d5 (S)	76	%	41-114	1	01/30/18 15:00	02/01/18 13:38	4165-60-0	
2-Fluorobiphenyl (S)	77	%	61-109	1	01/30/18 15:00	02/01/18 13:38	321-60-8	
Terphenyl-d14 (S)	71	%	48-120	1	01/30/18 15:00	02/01/18 13:38	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260							
TPH-GRO	**<0.27**	mg/kg	0.55	1		02/06/18 18:31		
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	**17.8J**	ug/kg	21.8	1		02/06/18 18:31	67-64-1	
Benzene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	71-43-2	
Bromobenzene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	108-86-1	
Bromochloromethane	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	74-97-5	
Bromodichloromethane	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	75-27-4	
Bromoform	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	75-25-2	
Bromomethane	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	74-83-9	
2-Butanone (MEK)	**<5.5**	ug/kg	10.9	1		02/06/18 18:31	78-93-3	
n-Butylbenzene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	104-51-8	
sec-Butylbenzene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	135-98-8	
tert-Butylbenzene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	98-06-6	
Carbon disulfide	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	75-15-0	
Carbon tetrachloride	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	56-23-5	
Chlorobenzene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	108-90-7	

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(913)599-5665

ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-16 (3-5) **Lab ID: 60262831006** Collected: 01/25/18 11:10 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Chloroethane	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	75-00-3	
Chloroform	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	67-66-3	
Chloromethane	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	74-87-3	
2-Chlorotoluene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	95-49-8	
4-Chlorotoluene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.5**	ug/kg	10.9	1		02/06/18 18:31	96-12-8	
Dibromochloromethane	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	124-48-1	
1,2-Dibromoethane (EDB)	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	106-93-4	
Dibromomethane	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	74-95-3	
1,2-Dichlorobenzene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	95-50-1	
1,3-Dichlorobenzene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	541-73-1	
1,4-Dichlorobenzene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	106-46-7	
Dichlorodifluoromethane	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	75-71-8	
1,1-Dichloroethane	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	75-34-3	
1,2-Dichloroethane	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	107-06-2	
1,2-Dichloroethene (Total)	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	540-59-0	
1,1-Dichloroethene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	75-35-4	
cis-1,2-Dichloroethene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	156-59-2	
trans-1,2-Dichloroethene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	156-60-5	
1,2-Dichloropropane	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	78-87-5	
1,3-Dichloropropane	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	142-28-9	
2,2-Dichloropropane	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	594-20-7	
1,1-Dichloropropene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	563-58-6	
cis-1,3-Dichloropropene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	10061-01-5	
trans-1,3-Dichloropropene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	10061-02-6	
Ethylbenzene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	87-68-3	
2-Hexanone	**<10.9**	ug/kg	21.8	1		02/06/18 18:31	591-78-6	
Isopropylbenzene (Cumene)	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	98-82-8	
p-Isopropyltoluene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	99-87-6	
Methylene chloride	**4.0J**	ug/kg	5.5	1		02/06/18 18:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.5**	ug/kg	10.9	1		02/06/18 18:31	108-10-1	
Methyl-tert-butyl ether	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	1634-04-4	
Naphthalene	**<5.5**	ug/kg	10.9	1		02/06/18 18:31	91-20-3	
n-Propylbenzene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	103-65-1	
Styrene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	100-42-5	
1,1,1,2-Tetrachloroethane	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	79-34-5	
Tetrachloroethene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	127-18-4	
Toluene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	108-88-3	
1,2,3-Trichlorobenzene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	87-61-6	
1,2,4-Trichlorobenzene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	120-82-1	
1,1,1-Trichloroethane	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	71-55-6	
1,1,2-Trichloroethane	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	79-00-5	
Trichloroethene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	79-01-6	
Trichlorofluoromethane	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	75-69-4	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-16 (3-5) **Lab ID: 60262831006** Collected: 01/25/18 11:10 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
1,2,3-Trichloropropane	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	96-18-4	
1,2,4-Trimethylbenzene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	95-63-6	
1,3,5-Trimethylbenzene	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	108-67-8	
Vinyl chloride	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	75-01-4	
Xylene (Total)	**<2.7**	ug/kg	5.5	1		02/06/18 18:31	1330-20-7	
Surrogates								
Toluene-d8 (S)	99	%	78-122	1		02/06/18 18:31	2037-26-5	
4-Bromofluorobenzene (S)	105	%	69-133	1		02/06/18 18:31	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	80-123	1		02/06/18 18:31	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974							
Percent Moisture	**22.0**	%	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**7.7**	Std. Units	0.10	1		02/01/18 14:00		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056							
Sulfate	**65.2J**	mg/kg	129	10	02/05/18 08:00	02/06/18 06:42	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056							
Nitrate as N	**<6.4**	mg/kg	12.9	10	02/05/18 19:33	02/06/18 06:42	14797-55-8	
Nitrite as N	**<6.4**	mg/kg	12.9	10	02/05/18 19:33	02/06/18 06:42	14797-65-0	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-16 (13-15) **Lab ID: 60262831007** Collected: 01/25/18 11:20 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546							
Aldrin	**<0.69**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 23:13	309-00-2	
alpha-BHC	**<0.31**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 23:13	319-84-6	
beta-BHC	**<1.0**	ug/kg	3.2	1	02/02/18 13:00	02/05/18 23:13	319-85-7	
delta-BHC	**<0.93**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 23:13	319-86-8	
gamma-BHC (Lindane)	**<0.87**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 23:13	58-89-9	
Chlordane (Technical)	**<54.7**	ug/kg	292	1	02/02/18 13:00	02/05/18 23:13	57-74-9	
alpha-Chlordane	**<0.77**	ug/kg	3.2	1	02/02/18 13:00	02/05/18 23:13	5103-71-9	
gamma-Chlordane	**<1.3**	ug/kg	3.2	1	02/02/18 13:00	02/05/18 23:13	5103-74-2	
4,4'-DDD	**<0.63**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 23:13	72-54-8	
4,4'-DDE	**<0.61**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 23:13	72-55-9	
4,4'-DDT	**<1.3**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 23:13	50-29-3	
Dieldrin	**<0.84**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 23:13	60-57-1	
Endosulfan I	**<0.90**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 23:13	959-98-8	
Endosulfan II	**<0.62**	ug/kg	1.9	1	02/02/18 13:00	02/05/18 23:13	33213-65-9	
Endosulfan sulfate	**<0.89**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 23:13	1031-07-8	
Endrin	**<0.90**	ug/kg	3.2	1	02/02/18 13:00	02/05/18 23:13	72-20-8	
Endrin aldehyde	**<0.90**	ug/kg	2.7	1	02/02/18 13:00	02/05/18 23:13	7421-93-4	
Endrin ketone	**<1.1**	ug/kg	3.9	1	02/02/18 13:00	02/05/18 23:13	53494-70-5	
Heptachlor	**<1.5**	ug/kg	3.9	1	02/02/18 13:00	02/05/18 23:13	76-44-8	
Heptachlor epoxide	**<3.9**	ug/kg	9.7	1	02/02/18 13:00	02/05/18 23:13	1024-57-3	
Methoxychlor	**<1.1**	ug/kg	3.9	1	02/02/18 13:00	02/05/18 23:13	72-43-5	
Toxaphene	**<101**	ug/kg	292	1	02/02/18 13:00	02/05/18 23:13	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	68	%.	70-130	1	02/02/18 13:00	02/05/18 23:13	877-09-8	S1
Decachlorobiphenyl (S)	67	%.	70-130	1	02/02/18 13:00	02/05/18 23:13	2051-24-3	S1
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546							
Stirophos (Tetrachlorvinphos)	**<6.5**	ug/kg	12.9	1	02/02/18 13:00	02/06/18 14:36	22248-79-9	
Azinphos, methyl (Guthion)	**<6.5**	ug/kg	12.9	1	02/02/18 13:00	02/06/18 14:36	86-50-0	
Bolstar	**<6.5**	ug/kg	12.9	1	02/02/18 13:00	02/06/18 14:36	35400-43-2	
Chlorpyrifos	**<6.5**	ug/kg	12.9	1	02/02/18 13:00	02/06/18 14:36	2921-88-2	
Coumaphos	**<6.5**	ug/kg	12.9	1	02/02/18 13:00	02/06/18 14:36	56-72-4	
Diazinon	**<6.5**	ug/kg	12.9	1	02/02/18 13:00	02/06/18 14:36	333-41-5	
Dichlorvos	**<3.2**	ug/kg	6.5	1	02/02/18 13:00	02/06/18 14:36	62-73-7	
Dimethoate	**<6.5**	ug/kg	12.9	1	02/02/18 13:00	02/06/18 14:36	60-51-5	
Disulfoton	**<3.2**	ug/kg	6.5	1	02/02/18 13:00	02/06/18 14:36	298-04-4	
EPN (ENT)	**<4.1**	ug/kg	6.5	1	02/02/18 13:00	02/06/18 14:36	2104-64-5	
Ethoprop	**<3.2**	ug/kg	6.5	1	02/02/18 13:00	02/06/18 14:36	13194-48-4	
Fensulfothion	**<6.5**	ug/kg	12.9	1	02/02/18 13:00	02/06/18 14:36	115-90-2	
Fenthion	**<3.2**	ug/kg	6.5	1	02/02/18 13:00	02/06/18 14:36	55-38-9	
Malathion	**<6.5**	ug/kg	12.9	1	02/02/18 13:00	02/06/18 14:36	121-75-5	
Methyl parathion	**<3.2**	ug/kg	6.5	1	02/02/18 13:00	02/06/18 14:36	298-00-0	
Mevinphos	**<3.8**	ug/kg	6.5	1	02/02/18 13:00	02/06/18 14:36	7786-34-7	
Parathion (Ethyl parathion)	**<6.5**	ug/kg	12.9	1	02/02/18 13:00	02/06/18 14:36	56-38-2	
Phorate	**<3.2**	ug/kg	6.5	1	02/02/18 13:00	02/06/18 14:36	298-02-2	
Ronnel	**<3.2**	ug/kg	6.5	1	02/02/18 13:00	02/06/18 14:36	299-84-3	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-16 (13-15) **Lab ID: 60262831007** Collected: 01/25/18 11:20 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546							
Sulfotep (Thiodiphosphoric Ac	**<3.2**	ug/kg	6.5	1	02/02/18 13:00	02/06/18 14:36	3689-24-5	
Tokuthion (Prothiofos)	**<3.2**	ug/kg	6.5	1	02/02/18 13:00	02/06/18 14:36	34643-46-4	
Trichloronate	**<6.5**	ug/kg	12.9	1	02/02/18 13:00	02/06/18 14:36	327-98-0	
Total Demeton	**<5.3**	ug/kg	6.5	1	02/02/18 13:00	02/06/18 14:36	8065-48-3	N2
Total Merphos	**<6.5**	ug/kg	25.9	1	02/02/18 13:00	02/06/18 14:36	150-50-5	N2
Surrogates								
Triphenylphosphate (S)	95	%.	11-137	1	02/02/18 13:00	02/06/18 14:36	115-86-6	
Tributylphosphate (S)	111	%.	17-125	1	02/02/18 13:00	02/06/18 14:36	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546							
2,4-D	**<3.1**	ug/kg	3.1	1	02/06/18 12:15	02/07/18 16:43	94-75-7	
Dalapon	**<3.1**	ug/kg	3.1	1	02/06/18 12:15	02/07/18 16:43	75-99-0	
2,4-DB	**<3.1**	ug/kg	3.1	1	02/06/18 12:15	02/07/18 16:43	94-82-6	
Dicamba	**<3.1**	ug/kg	3.1	1	02/06/18 12:15	02/07/18 16:43	1918-00-9	
Dichloroprop	**<3.1**	ug/kg	3.1	1	02/06/18 12:15	02/07/18 16:43	15165-67-0	
Dinoseb	**<3.1**	ug/kg	3.1	1	02/06/18 12:15	02/07/18 16:43	88-85-7	
MCPA	**<313**	ug/kg	313	1	02/06/18 12:15	02/07/18 16:43	94-74-6	
MCPP	**<313**	ug/kg	313	1	02/06/18 12:15	02/07/18 16:43	7085-19-0	
2,4,5-T	**<3.1**	ug/kg	3.1	1	02/06/18 12:15	02/07/18 16:43	93-76-5	
2,4,5-TP (Silvex)	**<3.1**	ug/kg	3.1	1	02/06/18 12:15	02/07/18 16:43	93-72-1	
Surrogates								
2,4-DCAA (S)	7	%.	10-188	1	02/06/18 12:15	02/07/18 16:43	19719-28-9	S1
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**7.3**	mg/kg	1.2	1	01/30/18 14:45	02/06/18 16:10	7440-38-2	
Barium	**198**	mg/kg	0.62	1	01/30/18 14:45	02/06/18 16:10	7440-39-3	
Cadmium	**0.086J**	mg/kg	0.62	1	01/30/18 14:45	02/06/18 16:10	7440-43-9	
Chromium	**17.8**	mg/kg	0.62	1	01/30/18 14:45	02/06/18 16:10	7440-47-3	
Lead	**10.7**	mg/kg	0.62	1	01/30/18 14:45	02/06/18 16:10	7439-92-1	
Selenium	**<0.92**	mg/kg	1.9	1	01/30/18 14:45	02/06/18 16:10	7782-49-2	
Silver	**<0.21**	mg/kg	0.86	1	01/30/18 14:45	02/06/18 16:10	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.011J**	mg/kg	0.060	1	02/02/18 09:59	02/02/18 14:39	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	**<45.1**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	83-32-9	
Acenaphthylene	**<39.9**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	208-96-8	
Anthracene	**<45.1**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	120-12-7	
Benzo(a)anthracene	**<38.7**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	56-55-3	
Benzo(a)pyrene	**<33.5**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	50-32-8	
Benzo(b)fluoranthene	**<29.6**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	205-99-2	
Benzo(g,h,i)perylene	**<41.2**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	191-24-2	
Benzo(k)fluoranthene	**<50.2**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	207-08-9	
Benzoic acid	**<39.9**	ug/kg	2150	1	01/30/18 15:00	01/31/18 19:58	65-85-0	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-16 (13-15) **Lab ID: 60262831007** Collected: 01/25/18 11:20 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Benzyl alcohol	**<133**	ug/kg	850	1	01/30/18 15:00	01/31/18 19:58	100-51-6	
4-Bromophenylphenyl ether	**<33.5**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	101-55-3	
Butylbenzylphthalate	**<55.4**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	85-68-7	
Carbazole	**<34.8**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	86-74-8	
4-Chloro-3-methylphenol	**<46.4**	ug/kg	850	1	01/30/18 15:00	01/31/18 19:58	59-50-7	
4-Chloroaniline	**<83.7**	ug/kg	850	1	01/30/18 15:00	01/31/18 19:58	106-47-8	
bis(2-Chloroethoxy)methane	**<33.5**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	111-91-1	
bis(2-Chloroethyl) ether	**<33.5**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	111-44-4	
bis(2-Chloroisopropyl) ether	**<33.5**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	39638-32-9	
2-Chloronaphthalene	**<36.1**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	91-58-7	
2-Chlorophenol	**<34.8**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	95-57-8	
4-Chlorophenylphenyl ether	**<41.2**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	7005-72-3	
Chrysene	**<36.1**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	218-01-9	
Dibenz(a,h)anthracene	**<38.7**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	53-70-3	
Dibenzofuran	**<38.7**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	132-64-9	
1,2-Dichlorobenzene	**<32.2**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	95-50-1	
1,3-Dichlorobenzene	**<36.1**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	541-73-1	
1,4-Dichlorobenzene	**<37.4**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	106-46-7	
3,3'-Dichlorobenzidine	**<146**	ug/kg	850	1	01/30/18 15:00	01/31/18 19:58	91-94-1	
2,4-Dichlorophenol	**<38.7**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	120-83-2	
Diethylphthalate	**<39.9**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	84-66-2	
2,4-Dimethylphenol	**<23.2**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	105-67-9	
Dimethylphthalate	**<41.2**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	131-11-3	
Di-n-butylphthalate	**<45.1**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	84-74-2	
4,6-Dinitro-2-methylphenol	**<56.7**	ug/kg	2150	1	01/30/18 15:00	01/31/18 19:58	534-52-1	
2,4-Dinitrophenol	**<61.8**	ug/kg	2150	1	01/30/18 15:00	01/31/18 19:58	51-28-5	
2,4-Dinitrotoluene	**<36.1**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	121-14-2	
2,6-Dinitrotoluene	**<43.8**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	606-20-2	
Di-n-octylphthalate	**<50.2**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	117-84-0	
bis(2-Ethylhexyl)phthalate	**<147**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	117-81-7	
Fluoranthene	**<39.9**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	206-44-0	
Fluorene	**<39.9**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	86-73-7	
Hexachloro-1,3-butadiene	**<42.5**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	87-68-3	
Hexachlorobenzene	**<41.2**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	118-74-1	
Hexachlorocyclopentadiene	**<90.2**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	77-47-4	
Hexachloroethane	**<32.2**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	67-72-1	
Indeno(1,2,3-cd)pyrene	**<46.4**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	193-39-5	
Isophorone	**<38.7**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	78-59-1	
2-Methylnaphthalene	**<30.9**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	91-57-6	
2-Methylphenol(o-Cresol)	**<39.9**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<46.4**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58		
Naphthalene	**<33.5**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	91-20-3	
2-Nitroaniline	**<72.2**	ug/kg	850	1	01/30/18 15:00	01/31/18 19:58	88-74-4	
3-Nitroaniline	**<129**	ug/kg	850	1	01/30/18 15:00	01/31/18 19:58	99-09-2	
4-Nitroaniline	**<110**	ug/kg	850	1	01/30/18 15:00	01/31/18 19:58	100-01-6	
Nitrobenzene	**<39.9**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	98-95-3	

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(913)599-5665

ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-16 (13-15) **Lab ID: 60262831007** Collected: 01/25/18 11:20 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Nitrophenol	**<59.3**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	88-75-5	
4-Nitrophenol	**<67.0**	ug/kg	2150	1	01/30/18 15:00	01/31/18 19:58	100-02-7	
N-Nitroso-di-n-propylamine	**<42.5**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	621-64-7	
N-Nitrosodiphenylamine	**<33.5**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	86-30-6	
Pentachlorophenol	**<39.9**	ug/kg	2150	1	01/30/18 15:00	01/31/18 19:58	87-86-5	
Phenanthrene	**<39.9**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	85-01-8	
Phenol	**<33.5**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	108-95-2	
Pyrene	**<42.5**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	129-00-0	
Pyridine	**<34.8**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	110-86-1	
1,2,4-Trichlorobenzene	**<38.7**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	120-82-1	
2,4,5-Trichlorophenol	**<38.7**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	95-95-4	
2,4,6-Trichlorophenol	**<39.9**	ug/kg	425	1	01/30/18 15:00	01/31/18 19:58	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	78	%	41-114	1	01/30/18 15:00	01/31/18 19:58	4165-60-0	
2-Fluorobiphenyl (S)	80	%	61-109	1	01/30/18 15:00	01/31/18 19:58	321-60-8	
Terphenyl-d14 (S)	82	%	48-120	1	01/30/18 15:00	01/31/18 19:58	1718-51-0	
Phenol-d6 (S)	80	%	48-102	1	01/30/18 15:00	01/31/18 19:58	13127-88-3	
2-Fluorophenol (S)	76	%	46-102	1	01/30/18 15:00	01/31/18 19:58	367-12-4	
2,4,6-Tribromophenol (S)	86	%	39-114	1	01/30/18 15:00	01/31/18 19:58	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
TPH-ORO	**13.7J**	mg/kg	19.6	1	01/30/18 15:00	02/01/18 13:59		B
TPH-DRO	**<1.6**	mg/kg	19.6	1	01/30/18 15:00	02/01/18 13:59		
Surrogates								
Nitrobenzene-d5 (S)	78	%	41-114	1	01/30/18 15:00	02/01/18 13:59	4165-60-0	
2-Fluorobiphenyl (S)	78	%	61-109	1	01/30/18 15:00	02/01/18 13:59	321-60-8	
Terphenyl-d14 (S)	68	%	48-120	1	01/30/18 15:00	02/01/18 13:59	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260							
TPH-GRO	**<19.4**	mg/kg	38.8	50		02/07/18 14:54		
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	**<776**	ug/kg	1550	50		02/07/18 14:54	67-64-1	
Benzene	**<194**	ug/kg	388	50		02/07/18 14:54	71-43-2	
Bromobenzene	**<194**	ug/kg	388	50		02/07/18 14:54	108-86-1	
Bromochloromethane	**<194**	ug/kg	388	50		02/07/18 14:54	74-97-5	
Bromodichloromethane	**<194**	ug/kg	388	50		02/07/18 14:54	75-27-4	
Bromoform	**<194**	ug/kg	388	50		02/07/18 14:54	75-25-2	
Bromomethane	**210J**	ug/kg	388	50		02/07/18 14:54	74-83-9	
2-Butanone (MEK)	**<388**	ug/kg	776	50		02/07/18 14:54	78-93-3	
n-Butylbenzene	**<194**	ug/kg	388	50		02/07/18 14:54	104-51-8	
sec-Butylbenzene	**<194**	ug/kg	388	50		02/07/18 14:54	135-98-8	
tert-Butylbenzene	**<194**	ug/kg	388	50		02/07/18 14:54	98-06-6	
Carbon disulfide	**<194**	ug/kg	388	50		02/07/18 14:54	75-15-0	
Carbon tetrachloride	**<194**	ug/kg	388	50		02/07/18 14:54	56-23-5	
Chlorobenzene	**<194**	ug/kg	388	50		02/07/18 14:54	108-90-7	

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(913)599-5665

ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-16 (13-15) **Lab ID: 60262831007** Collected: 01/25/18 11:20 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Chloroethane	**<194**	ug/kg	388	50		02/07/18 14:54	75-00-3	
Chloroform	**<194**	ug/kg	388	50		02/07/18 14:54	67-66-3	
Chloromethane	**<194**	ug/kg	388	50		02/07/18 14:54	74-87-3	
2-Chlorotoluene	**<194**	ug/kg	388	50		02/07/18 14:54	95-49-8	
4-Chlorotoluene	**<194**	ug/kg	388	50		02/07/18 14:54	106-43-4	
1,2-Dibromo-3-chloropropane	**<388**	ug/kg	776	50		02/07/18 14:54	96-12-8	
Dibromochloromethane	**<194**	ug/kg	388	50		02/07/18 14:54	124-48-1	
1,2-Dibromoethane (EDB)	**<194**	ug/kg	388	50		02/07/18 14:54	106-93-4	
Dibromomethane	**<194**	ug/kg	388	50		02/07/18 14:54	74-95-3	
1,2-Dichlorobenzene	**<194**	ug/kg	388	50		02/07/18 14:54	95-50-1	
1,3-Dichlorobenzene	**<194**	ug/kg	388	50		02/07/18 14:54	541-73-1	
1,4-Dichlorobenzene	**<194**	ug/kg	388	50		02/07/18 14:54	106-46-7	
Dichlorodifluoromethane	**<194**	ug/kg	388	50		02/07/18 14:54	75-71-8	
1,1-Dichloroethane	**<194**	ug/kg	388	50		02/07/18 14:54	75-34-3	
1,2-Dichloroethane	**<194**	ug/kg	388	50		02/07/18 14:54	107-06-2	
1,2-Dichloroethene (Total)	**<194**	ug/kg	388	50		02/07/18 14:54	540-59-0	
1,1-Dichloroethene	**<194**	ug/kg	388	50		02/07/18 14:54	75-35-4	
cis-1,2-Dichloroethene	**<194**	ug/kg	388	50		02/07/18 14:54	156-59-2	
trans-1,2-Dichloroethene	**<194**	ug/kg	388	50		02/07/18 14:54	156-60-5	
1,2-Dichloropropane	**<194**	ug/kg	388	50		02/07/18 14:54	78-87-5	
1,3-Dichloropropane	**<194**	ug/kg	388	50		02/07/18 14:54	142-28-9	
2,2-Dichloropropane	**<194**	ug/kg	388	50		02/07/18 14:54	594-20-7	
1,1-Dichloropropene	**<194**	ug/kg	388	50		02/07/18 14:54	563-58-6	
cis-1,3-Dichloropropene	**<194**	ug/kg	388	50		02/07/18 14:54	10061-01-5	
trans-1,3-Dichloropropene	**<194**	ug/kg	388	50		02/07/18 14:54	10061-02-6	
Ethylbenzene	**<194**	ug/kg	388	50		02/07/18 14:54	100-41-4	
Hexachloro-1,3-butadiene	**<194**	ug/kg	388	50		02/07/18 14:54	87-68-3	
2-Hexanone	**<776**	ug/kg	1550	50		02/07/18 14:54	591-78-6	
Isopropylbenzene (Cumene)	**<194**	ug/kg	388	50		02/07/18 14:54	98-82-8	
p-Isopropyltoluene	**<194**	ug/kg	388	50		02/07/18 14:54	99-87-6	
Methylene chloride	**328J**	ug/kg	388	50		02/07/18 14:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<388**	ug/kg	776	50		02/07/18 14:54	108-10-1	
Methyl-tert-butyl ether	**<194**	ug/kg	388	50		02/07/18 14:54	1634-04-4	
Naphthalene	**<388**	ug/kg	776	50		02/07/18 14:54	91-20-3	
n-Propylbenzene	**<194**	ug/kg	388	50		02/07/18 14:54	103-65-1	
Styrene	**<194**	ug/kg	388	50		02/07/18 14:54	100-42-5	
1,1,1,2-Tetrachloroethane	**<194**	ug/kg	388	50		02/07/18 14:54	630-20-6	
1,1,2,2-Tetrachloroethane	**<194**	ug/kg	388	50		02/07/18 14:54	79-34-5	
Tetrachloroethene	**<194**	ug/kg	388	50		02/07/18 14:54	127-18-4	
Toluene	**<194**	ug/kg	388	50		02/07/18 14:54	108-88-3	
1,2,3-Trichlorobenzene	**<194**	ug/kg	388	50		02/07/18 14:54	87-61-6	
1,2,4-Trichlorobenzene	**<194**	ug/kg	388	50		02/07/18 14:54	120-82-1	
1,1,1-Trichloroethane	**<194**	ug/kg	388	50		02/07/18 14:54	71-55-6	
1,1,2-Trichloroethane	**<194**	ug/kg	388	50		02/07/18 14:54	79-00-5	
Trichloroethene	**<194**	ug/kg	388	50		02/07/18 14:54	79-01-6	
Trichlorofluoromethane	**<194**	ug/kg	388	50		02/07/18 14:54	75-69-4	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-16 (13-15) **Lab ID: 60262831007** Collected: 01/25/18 11:20 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
1,2,3-Trichloropropane	**<194**	ug/kg	388	50		02/07/18 14:54	96-18-4	
1,2,4-Trimethylbenzene	**<194**	ug/kg	388	50		02/07/18 14:54	95-63-6	
1,3,5-Trimethylbenzene	**<194**	ug/kg	388	50		02/07/18 14:54	108-67-8	
Vinyl chloride	**<194**	ug/kg	388	50		02/07/18 14:54	75-01-4	
Xylene (Total)	**<194**	ug/kg	388	50		02/07/18 14:54	1330-20-7	
Surrogates								
Toluene-d8 (S)	101	%	78-122	50		02/07/18 14:54	2037-26-5	D3
4-Bromofluorobenzene (S)	99	%	69-133	50		02/07/18 14:54	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	80-123	50		02/07/18 14:54	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974							
Percent Moisture	**23.6**	%	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**7.7**	Std. Units	0.10	1		02/01/18 14:00		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056							
Sulfate	**65.5J**	mg/kg	127	10	02/05/18 08:00	02/06/18 06:56	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056							
Nitrate as N	**<6.4**	mg/kg	12.7	10	02/05/18 19:33	02/06/18 06:56	14797-55-8	
Nitrite as N	**<6.4**	mg/kg	12.7	10	02/05/18 19:33	02/06/18 06:56	14797-65-0	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-11 **Lab ID: 60262831008** Collected: 01/25/18 08:30 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:21	309-00-2	
alpha-BHC	**<0.0060**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:21	319-84-6	
beta-BHC	**<0.010**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:21	319-85-7	
delta-BHC	**<0.0090**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:21	319-86-8	
gamma-BHC (Lindane)	**<0.0080**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:21	58-89-9	
Chlordane (Technical)	**<0.090**	ug/L	0.10	1	01/31/18 20:10	02/09/18 16:21	57-74-9	
alpha-Chlordane	**<0.024**	ug/L	0.10	1	01/31/18 20:10	02/09/18 16:21	5103-71-9	
gamma-Chlordane	**<0.034**	ug/L	0.10	1	01/31/18 20:10	02/09/18 16:21	5103-74-2	
4,4'-DDD	**<0.0050**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:21	72-54-8	
4,4'-DDE	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:21	72-55-9	
4,4'-DDT	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:21	50-29-3	
Dieldrin	**<0.0060**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:21	60-57-1	
Endosulfan I	**<0.021**	ug/L	0.10	1	01/31/18 20:10	02/09/18 16:21	959-98-8	
Endosulfan II	**<0.0090**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:21	33213-65-9	
Endosulfan sulfate	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:21	1031-07-8	
Endrin	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:21	72-20-8	
Endrin aldehyde	**<0.029**	ug/L	0.10	1	01/31/18 20:10	02/09/18 16:21	7421-93-4	
Endrin ketone	**<0.025**	ug/L	0.10	1	01/31/18 20:10	02/09/18 16:21	53494-70-5	
Heptachlor	**<0.0050**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:21	76-44-8	
Heptachlor epoxide	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:21	1024-57-3	
Methoxychlor	**<0.0060**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:21	72-43-5	
Toxaphene	**<0.61**	ug/L	1.5	1	01/31/18 20:10	02/09/18 16:21	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	74	%.	54-127	1	01/31/18 20:10	02/09/18 16:21	877-09-8	
Decachlorobiphenyl (S)	37	%.	12-162	1	01/31/18 20:10	02/09/18 16:21	2051-24-3	
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510							
Stirophos (Tetrachlorvinphos)	**<0.072**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:30	22248-79-9	
Azinphos, methyl (Guthion)	**<0.093**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:30	86-50-0	
Bolstar	**<0.090**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:30	35400-43-2	
Chlorpyrifos	**<0.067**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:30	2921-88-2	
Coumaphos	**<0.092**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:30	56-72-4	
Diazinon	**<0.078**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:30	333-41-5	
Dichlorvos	**<0.073**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:30	62-73-7	
Dimethoate	**<0.083**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:30	60-51-5	
Disulfoton	**<0.071**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:30	298-04-4	
EPN (ENT)	**<0.087**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:30	2104-64-5	
Ethoprop	**<0.059**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:30	13194-48-4	
Fensulfothion	**<0.087**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:30	115-90-2	
Fenthion	**<0.088**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:30	55-38-9	
Malathion	**<0.086**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:30	121-75-5	
Methyl parathion	**<0.070**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:30	298-00-0	
Mevinphos	**<0.065**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:30	7786-34-7	
Parathion (Ethyl parathion)	**<0.060**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:30	56-38-2	
Phorate	**<0.064**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:30	298-02-2	
Ronnel	**<0.088**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:30	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<0.061**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:30	3689-24-5	

REPORT OF LABORATORY ANALYSIS

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-11 **Lab ID: 60262831008** Collected: 01/25/18 08:30 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510							
Tokuthion (Prothiofos)	**<0.081**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:30	34643-46-4	
Trichloronate	**<0.087**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:30	327-98-0	
Total Demeton	**<0.083**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:30	8065-48-3	
Total Merphos	**<0.038**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:30	150-50-5	
Surrogates								
Triphenylphosphate (S)	93	%.	10-175	1	01/31/18 20:10	02/06/18 15:30	115-86-6	
Tributylphosphate (S)	116	%.	20-150	1	01/31/18 20:10	02/06/18 15:30	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	**<0.25**	ug/L	0.50	1	02/01/18 16:00	02/07/18 11:21	94-75-7	
Dalapon	**<0.25**	ug/L	0.50	1	02/01/18 16:00	02/07/18 11:21	75-99-0	
2,4-DB	**<0.34**	ug/L	0.50	1	02/01/18 16:00	02/07/18 11:21	94-82-6	
Dicamba	**<0.25**	ug/L	0.50	1	02/01/18 16:00	02/07/18 11:21	1918-00-9	
Dichloroprop	**<0.29**	ug/L	0.50	1	02/01/18 16:00	02/07/18 11:21	15165-67-0	
Dinoseb	**<0.50**	ug/L	0.50	1	02/01/18 16:00	02/07/18 11:21	88-85-7	
MCPA	**<20.0**	ug/L	20.0	1	02/01/18 16:00	02/07/18 11:21	94-74-6	
MCPP	**<20.0**	ug/L	20.0	1	02/01/18 16:00	02/07/18 11:21	7085-19-0	
2,4,5-T	**<0.25**	ug/L	0.50	1	02/01/18 16:00	02/07/18 11:21	93-76-5	
2,4,5-TP (Silvex)	**<0.25**	ug/L	0.50	1	02/01/18 16:00	02/07/18 11:21	93-72-1	
Surrogates								
2,4-DCAA (S)	88	%.	47-166	1	02/01/18 16:00	02/07/18 11:21	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**170**	ug/L	10.0	1	01/30/18 11:15	02/01/18 15:33	7440-38-2	
Barium	**1720**	ug/L	5.0	1	01/30/18 11:15	02/01/18 15:33	7440-39-3	
Cadmium	**3.1J**	ug/L	5.0	1	01/30/18 11:15	02/01/18 15:33	7440-43-9	
Chromium	**130**	ug/L	5.0	1	01/30/18 11:15	02/01/18 15:33	7440-47-3	
Lead	**148**	ug/L	5.0	1	01/30/18 11:15	02/01/18 15:33	7439-92-1	
Selenium	**<3.4**	ug/L	15.0	1	01/30/18 11:15	02/01/18 15:33	7782-49-2	
Silver	**<1.9**	ug/L	7.0	1	01/30/18 11:15	02/01/18 15:33	7440-22-4	
6010 MET ICP, Dissolved (LF)	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic, Dissolved	**18.8**	ug/L	10.0	1	01/30/18 10:10	01/31/18 17:43	7440-38-2	
Barium, Dissolved	**652**	ug/L	5.0	1	01/30/18 10:10	01/31/18 17:43	7440-39-3	
Cadmium, Dissolved	**<0.64**	ug/L	5.0	1	01/30/18 10:10	01/31/18 17:43	7440-43-9	
Chromium, Dissolved	**<0.72**	ug/L	5.0	1	01/30/18 10:10	01/31/18 17:43	7440-47-3	
Lead, Dissolved	**<2.4**	ug/L	5.0	1	01/30/18 10:10	01/31/18 17:43	7439-92-1	
Selenium, Dissolved	**<3.4**	ug/L	15.0	1	01/30/18 10:10	01/31/18 17:43	7782-49-2	
Silver, Dissolved	**<1.9**	ug/L	7.0	1	01/30/18 10:10	01/31/18 17:43	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	**0.32**	ug/L	0.20	1	02/08/18 11:51	02/08/18 15:40	7439-97-6	
7470 Mercury, Dissolved (LF)	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury, Dissolved	**<0.046**	ug/L	0.20	1	02/08/18 15:58	02/09/18 11:27	7439-97-6	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-11 **Lab ID: 60262831008** Collected: 01/25/18 08:30 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	**<0.33**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	83-32-9	1e
Acenaphthylene	**<0.35**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	208-96-8	1e
Anthracene	**<0.28**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	120-12-7	1e
Benzo(a)anthracene	**<0.27**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	56-55-3	1e
Benzo(a)pyrene	**<0.33**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	50-32-8	1e
Benzo(b)fluoranthene	**<0.32**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	205-99-2	1e
Benzo(g,h,i)perylene	**<0.37**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	191-24-2	1e
Benzo(k)fluoranthene	**<0.39**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	207-08-9	1e
Benzoic acid	**9.0J**	ug/L	46.3	1	01/26/18 00:00	01/29/18 11:03	65-85-0	1e
Benzyl alcohol	**<0.32**	ug/L	18.5	1	01/26/18 00:00	01/29/18 11:03	100-51-6	1e
4-Bromophenylphenyl ether	**<0.35**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	101-55-3	1e
Butylbenzylphthalate	**<0.37**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	85-68-7	1e
Carbazole	**<0.32**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	86-74-8	1e
4-Chloro-3-methylphenol	**<0.23**	ug/L	18.5	1	01/26/18 00:00	01/29/18 11:03	59-50-7	1e
4-Chloroaniline	**<0.48**	ug/L	18.5	1	01/26/18 00:00	01/29/18 11:03	106-47-8	1e
bis(2-Chloroethoxy)methane	**<4.6**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	111-91-1	1e
bis(2-Chloroethyl) ether	**<0.27**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	111-44-4	1e
bis(2-Chloroisopropyl) ether	**<0.27**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	39638-32-9	1e
2-Chloronaphthalene	**<0.32**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	91-58-7	1e
2-Chlorophenol	**<0.28**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	95-57-8	1e
4-Chlorophenylphenyl ether	**<0.28**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	7005-72-3	1e
Chrysene	**<0.33**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	218-01-9	1e
Dibenz(a,h)anthracene	**<0.42**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	53-70-3	1e
Dibenzofuran	**<0.36**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	132-64-9	1e
1,2-Dichlorobenzene	**<0.27**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	95-50-1	1e
1,3-Dichlorobenzene	**<0.50**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	541-73-1	1e
1,4-Dichlorobenzene	**<0.38**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	106-46-7	1e
3,3'-Dichlorobenzidine	**<0.36**	ug/L	18.5	1	01/26/18 00:00	01/29/18 11:03	91-94-1	1e
2,4-Dichlorophenol	**<0.48**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	120-83-2	1e
Diethylphthalate	**<0.42**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	84-66-2	1e
2,4-Dimethylphenol	**<0.56**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	105-67-9	1e
Dimethylphthalate	**<0.32**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	131-11-3	1e
Di-n-butylphthalate	**0.72J**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	84-74-2	1e
4,6-Dinitro-2-methylphenol	**<0.51**	ug/L	46.3	1	01/26/18 00:00	01/29/18 11:03	534-52-1	1e
2,4-Dinitrophenol	**<7.8**	ug/L	46.3	1	01/26/18 00:00	01/29/18 11:03	51-28-5	1e
2,4-Dinitrotoluene	**<0.31**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	121-14-2	1e
2,6-Dinitrotoluene	**<0.26**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	606-20-2	1e
Di-n-octylphthalate	**<0.46**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	117-84-0	1e
bis(2-Ethylhexyl)phthalate	**<0.57**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	117-81-7	1e
Fluoranthene	**<0.34**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	206-44-0	1e
Fluorene	**<0.31**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	86-73-7	1e
Hexachloro-1,3-butadiene	**<0.35**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	87-68-3	1e
Hexachlorobenzene	**<0.28**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	118-74-1	1e
Hexachlorocyclopentadiene	**<0.32**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	77-47-4	1e
Hexachloroethane	**<0.27**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	67-72-1	1e
Indeno(1,2,3-cd)pyrene	**<0.30**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	193-39-5	1e
Isophorone	**<0.26**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	78-59-1	1e

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-11 **Lab ID: 60262831008** Collected: 01/25/18 08:30 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2-Methylnaphthalene	**<0.24**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	91-57-6	1e
2-Methylphenol(o-Cresol)	**<0.26**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	95-48-7	1e
3&4-Methylphenol(m&p Cresol)	**<4.6**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03		1e
Naphthalene	**<0.33**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	91-20-3	1e
2-Nitroaniline	**<0.39**	ug/L	46.3	1	01/26/18 00:00	01/29/18 11:03	88-74-4	1e
3-Nitroaniline	**<0.32**	ug/L	46.3	1	01/26/18 00:00	01/29/18 11:03	99-09-2	1e
4-Nitroaniline	**<0.32**	ug/L	46.3	1	01/26/18 00:00	01/29/18 11:03	100-01-6	1e
Nitrobenzene	**<0.28**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	98-95-3	1e
2-Nitrophenol	**<0.26**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	88-75-5	1e
4-Nitrophenol	**<0.29**	ug/L	46.3	1	01/26/18 00:00	01/29/18 11:03	100-02-7	1e
N-Nitroso-di-n-propylamine	**<0.25**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	621-64-7	1e
N-Nitrosodiphenylamine	**<0.37**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	86-30-6	1e
Pentachlorophenol	**<0.29**	ug/L	46.3	1	01/26/18 00:00	01/29/18 11:03	87-86-5	1e
Phenanthrene	**<0.31**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	85-01-8	1e
Phenol	**<4.6**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	108-95-2	1e
Pyrene	**<0.26**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	129-00-0	1e
Pyridine	**<0.29**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	110-86-1	1e
1,2,4-Trichlorobenzene	**<0.31**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	120-82-1	1e
2,4,5-Trichlorophenol	**<0.31**	ug/L	46.3	1	01/26/18 00:00	01/29/18 11:03	95-95-4	1e
2,4,6-Trichlorophenol	**<0.36**	ug/L	9.3	1	01/26/18 00:00	01/29/18 11:03	88-06-2	1e
Surrogates								
Nitrobenzene-d5 (S)	29	%	33-99	1	01/26/18 00:00	01/29/18 11:03	4165-60-0	S0
2-Fluorobiphenyl (S)	34	%	30-103	1	01/26/18 00:00	01/29/18 11:03	321-60-8	
Terphenyl-d14 (S)	38	%	38-114	1	01/26/18 00:00	01/29/18 11:03	1718-51-0	
Phenol-d6 (S)	21	%	10-56	1	01/26/18 00:00	01/29/18 11:03	13127-88-3	
2-Fluorophenol (S)	24	%	10-68	1	01/26/18 00:00	01/29/18 11:03	367-12-4	
2,4,6-Tribromophenol (S)	35	%	21-124	1	01/26/18 00:00	01/29/18 11:03	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C							
TPH-ORO	**<0.99**	mg/L	0.99	1	01/29/18 15:00	01/31/18 19:53		1e
TPH-DRO	**<0.99**	mg/L	0.99	1	01/29/18 15:00	01/31/18 19:53		1e
Surrogates								
Nitrobenzene-d5 (S)	74	%	33-99	1	01/29/18 15:00	01/31/18 19:53	4165-60-0	
2-Fluorobiphenyl (S)	74	%	30-103	1	01/29/18 15:00	01/31/18 19:53	321-60-8	
Terphenyl-d14 (S)	84	%	38-114	1	01/29/18 15:00	01/31/18 19:53	1718-51-0	
8260 MSV	Analytical Method: EPA 5030B/8260							
Acetone	**2.8J**	ug/L	10.0	1		01/30/18 20:53	67-64-1	
Benzene	**<0.060**	ug/L	1.0	1		01/30/18 20:53	71-43-2	
Bromobenzene	**<0.10**	ug/L	1.0	1		01/30/18 20:53	108-86-1	
Bromochloromethane	**<0.15**	ug/L	1.0	1		01/30/18 20:53	74-97-5	
Bromodichloromethane	**<0.19**	ug/L	1.0	1		01/30/18 20:53	75-27-4	
Bromoform	**<0.070**	ug/L	1.0	1		01/30/18 20:53	75-25-2	
Bromomethane	**<0.16**	ug/L	5.0	1		01/30/18 20:53	74-83-9	
2-Butanone (MEK)	**<0.59**	ug/L	10.0	1		01/30/18 20:53	78-93-3	
n-Butylbenzene	**<0.10**	ug/L	1.0	1		01/30/18 20:53	104-51-8	
sec-Butylbenzene	**<0.050**	ug/L	1.0	1		01/30/18 20:53	135-98-8	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-11 **Lab ID: 60262831008** Collected: 01/25/18 08:30 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
tert-Butylbenzene	**<0.34**	ug/L	1.0	1		01/30/18 20:53	98-06-6	
Carbon disulfide	**<0.12**	ug/L	5.0	1		01/30/18 20:53	75-15-0	
Carbon tetrachloride	**<0.18**	ug/L	1.0	1		01/30/18 20:53	56-23-5	
Chlorobenzene	**<0.21**	ug/L	1.0	1		01/30/18 20:53	108-90-7	
Chloroethane	**<0.15**	ug/L	1.0	1		01/30/18 20:53	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	1		01/30/18 20:53	67-66-3	
Chloromethane	**<0.080**	ug/L	1.0	1		01/30/18 20:53	74-87-3	
2-Chlorotoluene	**<0.12**	ug/L	1.0	1		01/30/18 20:53	95-49-8	
4-Chlorotoluene	**<0.14**	ug/L	1.0	1		01/30/18 20:53	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.59**	ug/L	2.5	1		01/30/18 20:53	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	1		01/30/18 20:53	124-48-1	
1,2-Dibromoethane (EDB)	**<0.17**	ug/L	1.0	1		01/30/18 20:53	106-93-4	
Dibromomethane	**<0.18**	ug/L	1.0	1		01/30/18 20:53	74-95-3	
1,2-Dichlorobenzene	**<0.050**	ug/L	1.0	1		01/30/18 20:53	95-50-1	
1,3-Dichlorobenzene	**<0.070**	ug/L	1.0	1		01/30/18 20:53	541-73-1	
1,4-Dichlorobenzene	**<0.060**	ug/L	1.0	1		01/30/18 20:53	106-46-7	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	1		01/30/18 20:53	75-71-8	
1,1-Dichloroethane	**<0.050**	ug/L	1.0	1		01/30/18 20:53	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	1		01/30/18 20:53	107-06-2	
1,2-Dichloroethene (Total)	**<0.28**	ug/L	1.0	1		01/30/18 20:53	540-59-0	
1,1-Dichloroethene	**<0.20**	ug/L	1.0	1		01/30/18 20:53	75-35-4	
cis-1,2-Dichloroethene	**<0.080**	ug/L	1.0	1		01/30/18 20:53	156-59-2	
trans-1,2-Dichloroethene	**<0.20**	ug/L	1.0	1		01/30/18 20:53	156-60-5	
1,2-Dichloropropane	**<0.16**	ug/L	1.0	1		01/30/18 20:53	78-87-5	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	1		01/30/18 20:53	142-28-9	
2,2-Dichloropropane	**<0.19**	ug/L	1.0	1		01/30/18 20:53	594-20-7	
1,1-Dichloropropene	**<0.090**	ug/L	1.0	1		01/30/18 20:53	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	1.0	1		01/30/18 20:53	10061-01-5	
trans-1,3-Dichloropropene	**<0.12**	ug/L	1.0	1		01/30/18 20:53	10061-02-6	
Ethylbenzene	**<0.18**	ug/L	1.0	1		01/30/18 20:53	100-41-4	
Hexachloro-1,3-butadiene	**<0.18**	ug/L	1.0	1		01/30/18 20:53	87-68-3	
2-Hexanone	**<1.2**	ug/L	10.0	1		01/30/18 20:53	591-78-6	
Isopropylbenzene (Cumene)	**<0.070**	ug/L	1.0	1		01/30/18 20:53	98-82-8	
p-Isopropyltoluene	**<0.10**	ug/L	1.0	1		01/30/18 20:53	99-87-6	
Methylene chloride	**<0.15**	ug/L	1.0	1		01/30/18 20:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	10.0	1		01/30/18 20:53	108-10-1	
Methyl-tert-butyl ether	**<0.060**	ug/L	1.0	1		01/30/18 20:53	1634-04-4	
Naphthalene	**<0.50**	ug/L	10.0	1		01/30/18 20:53	91-20-3	
n-Propylbenzene	**<0.10**	ug/L	1.0	1		01/30/18 20:53	103-65-1	
Styrene	**<0.12**	ug/L	1.0	1		01/30/18 20:53	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/30/18 20:53	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/30/18 20:53	79-34-5	
Tetrachloroethene	**<0.10**	ug/L	1.0	1		01/30/18 20:53	127-18-4	
Toluene	**<0.17**	ug/L	1.0	1		01/30/18 20:53	108-88-3	
1,2,3-Trichlorobenzene	**<0.12**	ug/L	1.0	1		01/30/18 20:53	87-61-6	
1,2,4-Trichlorobenzene	**<0.10**	ug/L	1.0	1		01/30/18 20:53	120-82-1	
1,1,1-Trichloroethane	**<0.11**	ug/L	1.0	1		01/30/18 20:53	71-55-6	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-11 **Lab ID: 60262831008** Collected: 01/25/18 08:30 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	1		01/30/18 20:53	79-00-5	
Trichloroethene	**<0.17**	ug/L	1.0	1		01/30/18 20:53	79-01-6	
Trichlorofluoromethane	**<0.34**	ug/L	1.0	1		01/30/18 20:53	75-69-4	
1,2,3-Trichloropropane	**<0.19**	ug/L	2.5	1		01/30/18 20:53	96-18-4	
1,2,4-Trimethylbenzene	**<0.090**	ug/L	1.0	1		01/30/18 20:53	95-63-6	
1,3,5-Trimethylbenzene	**<0.10**	ug/L	1.0	1		01/30/18 20:53	108-67-8	
Vinyl chloride	**<0.13**	ug/L	1.0	1		01/30/18 20:53	75-01-4	
Xylene (Total)	**<0.42**	ug/L	3.0	1		01/30/18 20:53	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	101	%	80-119	1		01/30/18 20:53	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	80-117	1		01/30/18 20:53	17060-07-0	
Toluene-d8 (S)	98	%	80-115	1		01/30/18 20:53	2037-26-5	
Preservation pH	**1.0**		0.10	1		01/30/18 20:53		
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260							
TPH-GRO	**<72.2**	ug/L	500	1		02/02/18 17:20		
Surrogates								
Toluene-d8 (S)	100	%	80-115	1		02/02/18 17:20	2037-26-5	
4-Bromofluorobenzene (S)	99	%	80-119	1		02/02/18 17:20	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	87-117	1		02/02/18 17:20	17060-07-0	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**7.3**	Std. Units	0.10	1		02/02/18 11:38		H6
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**1.9**	mg/L	0.10	1		01/29/18 15:03		
9056 IC Anions	Analytical Method: EPA 9056							
Sulfate	**44.1**	mg/L	5.0	5		02/09/18 09:33	14808-79-8	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-14 **Lab ID: 60262831009** Collected: 01/25/18 13:20 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:36	309-00-2	
alpha-BHC	**<0.0060**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:36	319-84-6	
beta-BHC	**<0.010**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:36	319-85-7	
delta-BHC	**<0.0090**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:36	319-86-8	
gamma-BHC (Lindane)	**<0.0080**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:36	58-89-9	
Chlordane (Technical)	**<0.090**	ug/L	0.10	1	01/31/18 20:10	02/09/18 16:36	57-74-9	
alpha-Chlordane	**<0.024**	ug/L	0.10	1	01/31/18 20:10	02/09/18 16:36	5103-71-9	
gamma-Chlordane	**<0.034**	ug/L	0.10	1	01/31/18 20:10	02/09/18 16:36	5103-74-2	
4,4'-DDD	**<0.0050**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:36	72-54-8	
4,4'-DDE	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:36	72-55-9	
4,4'-DDT	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:36	50-29-3	
Dieldrin	**<0.0060**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:36	60-57-1	
Endosulfan I	**<0.021**	ug/L	0.10	1	01/31/18 20:10	02/09/18 16:36	959-98-8	
Endosulfan II	**<0.0090**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:36	33213-65-9	
Endosulfan sulfate	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:36	1031-07-8	
Endrin	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:36	72-20-8	
Endrin aldehyde	**<0.029**	ug/L	0.10	1	01/31/18 20:10	02/09/18 16:36	7421-93-4	
Endrin ketone	**<0.025**	ug/L	0.10	1	01/31/18 20:10	02/09/18 16:36	53494-70-5	
Heptachlor	**<0.0050**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:36	76-44-8	
Heptachlor epoxide	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:36	1024-57-3	
Methoxychlor	**<0.0060**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:36	72-43-5	
Toxaphene	**<0.61**	ug/L	1.5	1	01/31/18 20:10	02/09/18 16:36	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	64	%.	54-127	1	01/31/18 20:10	02/09/18 16:36	877-09-8	
Decachlorobiphenyl (S)	32	%.	12-162	1	01/31/18 20:10	02/09/18 16:36	2051-24-3	
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510							
Stirophos (Tetrachlorvinphos)	**<0.072**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:58	22248-79-9	
Azinphos, methyl (Guthion)	**<0.093**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:58	86-50-0	
Bolstar	**<0.090**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:58	35400-43-2	
Chlorpyrifos	**<0.067**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:58	2921-88-2	
Coumaphos	**<0.092**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:58	56-72-4	
Diazinon	**<0.078**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:58	333-41-5	
Dichlorvos	**<0.073**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:58	62-73-7	
Dimethoate	**<0.083**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:58	60-51-5	
Disulfoton	**<0.071**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:58	298-04-4	
EPN (ENT)	**<0.087**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:58	2104-64-5	
Ethoprop	**<0.059**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:58	13194-48-4	
Fensulfothion	**<0.087**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:58	115-90-2	
Fenthion	**<0.088**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:58	55-38-9	
Malathion	**<0.086**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:58	121-75-5	
Methyl parathion	**<0.070**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:58	298-00-0	
Mevinphos	**<0.065**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:58	7786-34-7	
Parathion (Ethyl parathion)	**<0.060**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:58	56-38-2	
Phorate	**<0.064**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:58	298-02-2	
Ronnel	**<0.088**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:58	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<0.061**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:58	3689-24-5	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-14 **Lab ID: 60262831009** Collected: 01/25/18 13:20 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510							
Tokuthion (Prothiofos)	**<0.081**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:58	34643-46-4	
Trichloronate	**<0.087**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:58	327-98-0	
Total Demeton	**<0.083**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:58	8065-48-3	
Total Merphos	**<0.038**	ug/L	0.10	1	01/31/18 20:10	02/06/18 15:58	150-50-5	
Surrogates								
Triphenylphosphate (S)	82	%.	10-175	1	01/31/18 20:10	02/06/18 15:58	115-86-6	
Tributylphosphate (S)	104	%.	20-150	1	01/31/18 20:10	02/06/18 15:58	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	**<0.25**	ug/L	0.50	1	02/01/18 16:00	02/07/18 11:46	94-75-7	
Dalapon	**<0.25**	ug/L	0.50	1	02/01/18 16:00	02/07/18 11:46	75-99-0	
2,4-DB	**<0.34**	ug/L	0.50	1	02/01/18 16:00	02/07/18 11:46	94-82-6	M1
Dicamba	**<0.25**	ug/L	0.50	1	02/01/18 16:00	02/07/18 11:46	1918-00-9	
Dichloroprop	**<0.29**	ug/L	0.50	1	02/01/18 16:00	02/07/18 11:46	15165-67-0	M1
Dinoseb	**<0.50**	ug/L	0.50	1	02/01/18 16:00	02/07/18 11:46	88-85-7	M1
MCPA	**<20.0**	ug/L	20.0	1	02/01/18 16:00	02/07/18 11:46	94-74-6	
MCPP	**<20.0**	ug/L	20.0	1	02/01/18 16:00	02/07/18 11:46	7085-19-0	
2,4,5-T	**<0.25**	ug/L	0.50	1	02/01/18 16:00	02/07/18 11:46	93-76-5	
2,4,5-TP (Silvex)	**<0.25**	ug/L	0.50	1	02/01/18 16:00	02/07/18 11:46	93-72-1	
Surrogates								
2,4-DCAA (S)	101	%.	47-166	1	02/01/18 16:00	02/07/18 11:46	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**45.1**	ug/L	10.0	1	01/30/18 11:15	02/01/18 15:36	7440-38-2	
Barium	**1280**	ug/L	5.0	1	01/30/18 11:15	02/01/18 15:36	7440-39-3	
Cadmium	**5.4**	ug/L	5.0	1	01/30/18 11:15	02/01/18 15:36	7440-43-9	
Chromium	**132**	ug/L	5.0	1	01/30/18 11:15	02/01/18 15:36	7440-47-3	
Lead	**172**	ug/L	5.0	1	01/30/18 11:15	02/01/18 15:36	7439-92-1	
Selenium	**<3.4**	ug/L	15.0	1	01/30/18 11:15	02/01/18 15:36	7782-49-2	
Silver	**<1.9**	ug/L	7.0	1	01/30/18 11:15	02/01/18 15:36	7440-22-4	
6010 MET ICP, Dissolved (LF)	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic, Dissolved	**<4.2**	ug/L	10.0	1	01/30/18 10:10	01/31/18 17:46	7440-38-2	
Barium, Dissolved	**64.7**	ug/L	5.0	1	01/30/18 10:10	01/31/18 17:46	7440-39-3	
Cadmium, Dissolved	**0.88J**	ug/L	5.0	1	01/30/18 10:10	01/31/18 17:46	7440-43-9	
Chromium, Dissolved	**1.4J**	ug/L	5.0	1	01/30/18 10:10	01/31/18 17:46	7440-47-3	
Lead, Dissolved	**<2.4**	ug/L	5.0	1	01/30/18 10:10	01/31/18 17:46	7439-92-1	
Selenium, Dissolved	**<3.4**	ug/L	15.0	1	01/30/18 10:10	01/31/18 17:46	7782-49-2	
Silver, Dissolved	**<1.9**	ug/L	7.0	1	01/30/18 10:10	01/31/18 17:46	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	**0.38**	ug/L	0.20	1	02/08/18 11:51	02/08/18 15:42	7439-97-6	
7470 Mercury, Dissolved (LF)	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury, Dissolved	**<0.046**	ug/L	0.20	1	02/08/18 15:58	02/09/18 11:29	7439-97-6	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-14 **Lab ID: 60262831009** Collected: 01/25/18 13:20 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	**<0.35**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	83-32-9	1e
Acenaphthylene	**<0.37**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	208-96-8	1e
Anthracene	**<0.29**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	120-12-7	1e
Benzo(a)anthracene	**<0.28**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	56-55-3	1e
Benzo(a)pyrene	**<0.35**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	50-32-8	1e
Benzo(b)fluoranthene	**<0.34**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	205-99-2	1e
Benzo(g,h,i)perylene	**<0.39**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	191-24-2	1e
Benzo(k)fluoranthene	**<0.41**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	207-08-9	1e
Benzoic acid	**31.0J**	ug/L	49.0	1	01/31/18 15:00	02/01/18 11:38	65-85-0	1e
Benzyl alcohol	**<0.34**	ug/L	19.6	1	01/31/18 15:00	02/01/18 11:38	100-51-6	1e
4-Bromophenylphenyl ether	**<0.37**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	101-55-3	1e
Butylbenzylphthalate	**<0.39**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	85-68-7	1e
Carbazole	**<0.34**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	86-74-8	1e
4-Chloro-3-methylphenol	**<0.25**	ug/L	19.6	1	01/31/18 15:00	02/01/18 11:38	59-50-7	1e
4-Chloroaniline	**<0.51**	ug/L	19.6	1	01/31/18 15:00	02/01/18 11:38	106-47-8	1e
bis(2-Chloroethoxy)methane	**<4.9**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	111-91-1	1e
bis(2-Chloroethyl) ether	**<0.28**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	111-44-4	1e
bis(2-Chloroisopropyl) ether	**<0.28**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	39638-32-9	1e
2-Chloronaphthalene	**<0.34**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	91-58-7	1e
2-Chlorophenol	**<0.29**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	95-57-8	1e
4-Chlorophenylphenyl ether	**<0.29**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	7005-72-3	1e
Chrysene	**<0.35**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	218-01-9	1e
Dibenz(a,h)anthracene	**<0.44**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	53-70-3	1e
Dibenzofuran	**<0.38**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	132-64-9	1e
1,2-Dichlorobenzene	**<0.28**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	95-50-1	1e
1,3-Dichlorobenzene	**<0.53**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	541-73-1	1e
1,4-Dichlorobenzene	**<0.40**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	106-46-7	1e
3,3'-Dichlorobenzidine	**<0.38**	ug/L	19.6	1	01/31/18 15:00	02/01/18 11:38	91-94-1	1e
2,4-Dichlorophenol	**<0.51**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	120-83-2	1e
Diethylphthalate	**<0.44**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	84-66-2	1e
2,4-Dimethylphenol	**<0.59**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	105-67-9	1e
Dimethylphthalate	**<0.34**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	131-11-3	1e
Di-n-butylphthalate	**<0.38**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	84-74-2	1e
4,6-Dinitro-2-methylphenol	**<0.54**	ug/L	49.0	1	01/31/18 15:00	02/01/18 11:38	534-52-1	1e
2,4-Dinitrophenol	**<8.2**	ug/L	49.0	1	01/31/18 15:00	02/01/18 11:38	51-28-5	1e
2,4-Dinitrotoluene	**<0.32**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	121-14-2	1e
2,6-Dinitrotoluene	**<0.27**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	606-20-2	1e
Di-n-octylphthalate	**<0.49**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	117-84-0	1e
bis(2-Ethylhexyl)phthalate	**<0.61**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	117-81-7	1e
Fluoranthene	**<0.36**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	206-44-0	1e
Fluorene	**<0.33**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	86-73-7	1e
Hexachloro-1,3-butadiene	**<0.37**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	87-68-3	1e
Hexachlorobenzene	**<0.29**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	118-74-1	1e
Hexachlorocyclopentadiene	**<0.34**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	77-47-4	1e
Hexachloroethane	**<0.28**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	67-72-1	1e
Indeno(1,2,3-cd)pyrene	**<0.31**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	193-39-5	1e
Isophorone	**<0.27**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	78-59-1	1e

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-14 **Lab ID: 60262831009** Collected: 01/25/18 13:20 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2-Methylnaphthalene	**<0.25**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	91-57-6	1e
2-Methylphenol(o-Cresol)	**<0.27**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	95-48-7	1e
3&4-Methylphenol(m&p Cresol)	**5.5J**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38		1e
Naphthalene	**<0.35**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	91-20-3	1e
2-Nitroaniline	**<0.41**	ug/L	49.0	1	01/31/18 15:00	02/01/18 11:38	88-74-4	1e
3-Nitroaniline	**<0.34**	ug/L	49.0	1	01/31/18 15:00	02/01/18 11:38	99-09-2	1e
4-Nitroaniline	**<0.34**	ug/L	49.0	1	01/31/18 15:00	02/01/18 11:38	100-01-6	1e
Nitrobenzene	**<0.29**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	98-95-3	1e
2-Nitrophenol	**<0.27**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	88-75-5	1e
4-Nitrophenol	**<0.30**	ug/L	49.0	1	01/31/18 15:00	02/01/18 11:38	100-02-7	1e
N-Nitroso-di-n-propylamine	**<0.26**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	621-64-7	1e
N-Nitrosodiphenylamine	**<0.39**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	86-30-6	1e
Pentachlorophenol	**<0.30**	ug/L	49.0	1	01/31/18 15:00	02/01/18 11:38	87-86-5	1e
Phenanthrene	**<0.33**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	85-01-8	1e
Phenol	**<4.9**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	108-95-2	1e
Pyrene	**<0.27**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	129-00-0	1e
Pyridine	**<0.30**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	110-86-1	1e
1,2,4-Trichlorobenzene	**<0.32**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	120-82-1	1e
2,4,5-Trichlorophenol	**<0.32**	ug/L	49.0	1	01/31/18 15:00	02/01/18 11:38	95-95-4	1e
2,4,6-Trichlorophenol	**<0.38**	ug/L	9.8	1	01/31/18 15:00	02/01/18 11:38	88-06-2	1e
Surrogates								
Nitrobenzene-d5 (S)	30	%	33-99	1	01/31/18 15:00	02/01/18 11:38	4165-60-0	2e
2-Fluorobiphenyl (S)	33	%	30-103	1	01/31/18 15:00	02/01/18 11:38	321-60-8	
Terphenyl-d14 (S)	32	%	38-114	1	01/31/18 15:00	02/01/18 11:38	1718-51-0	2e
Phenol-d6 (S)	16	%	10-56	1	01/31/18 15:00	02/01/18 11:38	13127-88-3	
2-Fluorophenol (S)	17	%	10-68	1	01/31/18 15:00	02/01/18 11:38	367-12-4	
2,4,6-Tribromophenol (S)	20	%	21-124	1	01/31/18 15:00	02/01/18 11:38	118-79-6	2e
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C							
TPH-ORO	**1.3**	mg/L	0.91	1	01/29/18 15:00	01/31/18 20:14		1e
TPH-DRO	**<0.91**	mg/L	0.91	1	01/29/18 15:00	01/31/18 20:14		1e
Surrogates								
Nitrobenzene-d5 (S)	66	%	33-99	1	01/29/18 15:00	01/31/18 20:14	4165-60-0	
2-Fluorobiphenyl (S)	64	%	30-103	1	01/29/18 15:00	01/31/18 20:14	321-60-8	
Terphenyl-d14 (S)	82	%	38-114	1	01/29/18 15:00	01/31/18 20:14	1718-51-0	
8260 MSV	Analytical Method: EPA 5030B/8260							
Acetone	**6.3J**	ug/L	10.0	1		01/30/18 21:07	67-64-1	
Benzene	**<0.060**	ug/L	1.0	1		01/30/18 21:07	71-43-2	
Bromobenzene	**<0.10**	ug/L	1.0	1		01/30/18 21:07	108-86-1	
Bromochloromethane	**<0.15**	ug/L	1.0	1		01/30/18 21:07	74-97-5	
Bromodichloromethane	**0.52J**	ug/L	1.0	1		01/30/18 21:07	75-27-4	
Bromoform	**<0.070**	ug/L	1.0	1		01/30/18 21:07	75-25-2	
Bromomethane	**<0.16**	ug/L	5.0	1		01/30/18 21:07	74-83-9	
2-Butanone (MEK)	**<0.59**	ug/L	10.0	1		01/30/18 21:07	78-93-3	
n-Butylbenzene	**<0.10**	ug/L	1.0	1		01/30/18 21:07	104-51-8	
sec-Butylbenzene	**<0.050**	ug/L	1.0	1		01/30/18 21:07	135-98-8	

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(913)599-5665

ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-14 **Lab ID: 60262831009** Collected: 01/25/18 13:20 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
tert-Butylbenzene	**<0.34**	ug/L	1.0	1		01/30/18 21:07	98-06-6	
Carbon disulfide	**<0.12**	ug/L	5.0	1		01/30/18 21:07	75-15-0	
Carbon tetrachloride	**<0.18**	ug/L	1.0	1		01/30/18 21:07	56-23-5	
Chlorobenzene	**<0.21**	ug/L	1.0	1		01/30/18 21:07	108-90-7	
Chloroethane	**<0.15**	ug/L	1.0	1		01/30/18 21:07	75-00-3	
Chloroform	**1.4**	ug/L	1.0	1		01/30/18 21:07	67-66-3	
Chloromethane	**<0.080**	ug/L	1.0	1		01/30/18 21:07	74-87-3	
2-Chlorotoluene	**<0.12**	ug/L	1.0	1		01/30/18 21:07	95-49-8	
4-Chlorotoluene	**<0.14**	ug/L	1.0	1		01/30/18 21:07	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.59**	ug/L	2.5	1		01/30/18 21:07	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	1		01/30/18 21:07	124-48-1	
1,2-Dibromoethane (EDB)	**<0.17**	ug/L	1.0	1		01/30/18 21:07	106-93-4	
Dibromomethane	**<0.18**	ug/L	1.0	1		01/30/18 21:07	74-95-3	
1,2-Dichlorobenzene	**<0.050**	ug/L	1.0	1		01/30/18 21:07	95-50-1	
1,3-Dichlorobenzene	**<0.070**	ug/L	1.0	1		01/30/18 21:07	541-73-1	
1,4-Dichlorobenzene	**0.11J**	ug/L	1.0	1		01/30/18 21:07	106-46-7	B
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	1		01/30/18 21:07	75-71-8	
1,1-Dichloroethane	**<0.050**	ug/L	1.0	1		01/30/18 21:07	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	1		01/30/18 21:07	107-06-2	
1,2-Dichloroethene (Total)	**<0.28**	ug/L	1.0	1		01/30/18 21:07	540-59-0	
1,1-Dichloroethene	**<0.20**	ug/L	1.0	1		01/30/18 21:07	75-35-4	
cis-1,2-Dichloroethene	**<0.080**	ug/L	1.0	1		01/30/18 21:07	156-59-2	
trans-1,2-Dichloroethene	**<0.20**	ug/L	1.0	1		01/30/18 21:07	156-60-5	
1,2-Dichloropropane	**<0.16**	ug/L	1.0	1		01/30/18 21:07	78-87-5	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	1		01/30/18 21:07	142-28-9	
2,2-Dichloropropane	**<0.19**	ug/L	1.0	1		01/30/18 21:07	594-20-7	
1,1-Dichloropropene	**<0.090**	ug/L	1.0	1		01/30/18 21:07	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	1.0	1		01/30/18 21:07	10061-01-5	
trans-1,3-Dichloropropene	**<0.12**	ug/L	1.0	1		01/30/18 21:07	10061-02-6	
Ethylbenzene	**<0.18**	ug/L	1.0	1		01/30/18 21:07	100-41-4	
Hexachloro-1,3-butadiene	**<0.18**	ug/L	1.0	1		01/30/18 21:07	87-68-3	
2-Hexanone	**<1.2**	ug/L	10.0	1		01/30/18 21:07	591-78-6	
Isopropylbenzene (Cumene)	**<0.070**	ug/L	1.0	1		01/30/18 21:07	98-82-8	
p-Isopropyltoluene	**<0.10**	ug/L	1.0	1		01/30/18 21:07	99-87-6	
Methylene chloride	**<0.15**	ug/L	1.0	1		01/30/18 21:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	**0.66J**	ug/L	10.0	1		01/30/18 21:07	108-10-1	
Methyl-tert-butyl ether	**<0.060**	ug/L	1.0	1		01/30/18 21:07	1634-04-4	
Naphthalene	**<0.50**	ug/L	10.0	1		01/30/18 21:07	91-20-3	
n-Propylbenzene	**<0.10**	ug/L	1.0	1		01/30/18 21:07	103-65-1	
Styrene	**<0.12**	ug/L	1.0	1		01/30/18 21:07	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/30/18 21:07	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/30/18 21:07	79-34-5	
Tetrachloroethene	**<0.10**	ug/L	1.0	1		01/30/18 21:07	127-18-4	
Toluene	**<0.17**	ug/L	1.0	1		01/30/18 21:07	108-88-3	
1,2,3-Trichlorobenzene	**<0.12**	ug/L	1.0	1		01/30/18 21:07	87-61-6	
1,2,4-Trichlorobenzene	**<0.10**	ug/L	1.0	1		01/30/18 21:07	120-82-1	
1,1,1-Trichloroethane	**<0.11**	ug/L	1.0	1		01/30/18 21:07	71-55-6	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-14 **Lab ID: 60262831009** Collected: 01/25/18 13:20 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	1		01/30/18 21:07	79-00-5	
Trichloroethene	**<0.17**	ug/L	1.0	1		01/30/18 21:07	79-01-6	
Trichlorofluoromethane	**<0.34**	ug/L	1.0	1		01/30/18 21:07	75-69-4	
1,2,3-Trichloropropane	**<0.19**	ug/L	2.5	1		01/30/18 21:07	96-18-4	
1,2,4-Trimethylbenzene	**<0.090**	ug/L	1.0	1		01/30/18 21:07	95-63-6	
1,3,5-Trimethylbenzene	**<0.10**	ug/L	1.0	1		01/30/18 21:07	108-67-8	
Vinyl chloride	**<0.13**	ug/L	1.0	1		01/30/18 21:07	75-01-4	
Xylene (Total)	**<0.42**	ug/L	3.0	1		01/30/18 21:07	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	99	%	80-119	1		01/30/18 21:07	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	80-117	1		01/30/18 21:07	17060-07-0	
Toluene-d8 (S)	99	%	80-115	1		01/30/18 21:07	2037-26-5	
Preservation pH	**1.0**		0.10	1		01/30/18 21:07		
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260							
TPH-GRO	**<72.2**	ug/L	500	1		02/02/18 17:34		
Surrogates								
Toluene-d8 (S)	100	%	80-115	1		02/02/18 17:34	2037-26-5	
4-Bromofluorobenzene (S)	98	%	80-119	1		02/02/18 17:34	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	87-117	1		02/02/18 17:34	17060-07-0	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**7.6**	Std. Units	0.10	1		02/02/18 11:43		H6
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**0.78**	mg/L	0.10	1		01/29/18 15:05		
9056 IC Anions	Analytical Method: EPA 9056							
Sulfate	**155**	mg/L	20.0	20		02/09/18 10:15	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-16 **Lab ID: 60262831010** Collected: 01/25/18 13:50 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:51	309-00-2	
alpha-BHC	**<0.0060**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:51	319-84-6	
beta-BHC	**<0.010**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:51	319-85-7	
delta-BHC	**<0.0090**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:51	319-86-8	
gamma-BHC (Lindane)	**<0.0080**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:51	58-89-9	
Chlordane (Technical)	**<0.090**	ug/L	0.10	1	01/31/18 20:10	02/09/18 16:51	57-74-9	
alpha-Chlordane	**<0.024**	ug/L	0.10	1	01/31/18 20:10	02/09/18 16:51	5103-71-9	
gamma-Chlordane	**<0.034**	ug/L	0.10	1	01/31/18 20:10	02/09/18 16:51	5103-74-2	
4,4'-DDD	**<0.0050**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:51	72-54-8	
4,4'-DDE	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:51	72-55-9	
4,4'-DDT	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:51	50-29-3	
Dieldrin	**<0.0060**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:51	60-57-1	
Endosulfan I	**<0.021**	ug/L	0.10	1	01/31/18 20:10	02/09/18 16:51	959-98-8	
Endosulfan II	**<0.0090**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:51	33213-65-9	
Endosulfan sulfate	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:51	1031-07-8	
Endrin	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:51	72-20-8	
Endrin aldehyde	**<0.029**	ug/L	0.10	1	01/31/18 20:10	02/09/18 16:51	7421-93-4	
Endrin ketone	**<0.025**	ug/L	0.10	1	01/31/18 20:10	02/09/18 16:51	53494-70-5	
Heptachlor	**<0.0050**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:51	76-44-8	
Heptachlor epoxide	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:51	1024-57-3	
Methoxychlor	**<0.0060**	ug/L	0.010	1	01/31/18 20:10	02/09/18 16:51	72-43-5	
Toxaphene	**<0.61**	ug/L	1.5	1	01/31/18 20:10	02/09/18 16:51	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	77	%.	54-127	1	01/31/18 20:10	02/09/18 16:51	877-09-8	
Decachlorobiphenyl (S)	37	%.	12-162	1	01/31/18 20:10	02/09/18 16:51	2051-24-3	
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510							
Stirophos (Tetrachlorvinphos)	**<0.072**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:25	22248-79-9	
Azinphos, methyl (Guthion)	**<0.093**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:25	86-50-0	
Bolstar	**<0.090**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:25	35400-43-2	
Chlorpyrifos	**<0.067**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:25	2921-88-2	
Coumaphos	**<0.092**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:25	56-72-4	
Diazinon	**<0.078**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:25	333-41-5	
Dichlorvos	**<0.073**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:25	62-73-7	
Dimethoate	**<0.083**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:25	60-51-5	
Disulfoton	**<0.071**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:25	298-04-4	
EPN (ENT)	**<0.087**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:25	2104-64-5	
Ethoprop	**<0.059**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:25	13194-48-4	
Fensulfothion	**<0.087**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:25	115-90-2	
Fenthion	**<0.088**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:25	55-38-9	
Malathion	**<0.086**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:25	121-75-5	
Methyl parathion	**<0.070**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:25	298-00-0	
Mevinphos	**<0.065**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:25	7786-34-7	
Parathion (Ethyl parathion)	**<0.060**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:25	56-38-2	
Phorate	**<0.064**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:25	298-02-2	
Ronnel	**<0.088**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:25	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<0.061**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:25	3689-24-5	

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(913)599-5665

ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-16 **Lab ID: 60262831010** Collected: 01/25/18 13:50 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510							
Tokuthion (Prothiofos)	**<0.081**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:25	34643-46-4	
Trichloronate	**<0.087**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:25	327-98-0	
Total Demeton	**<0.083**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:25	8065-48-3	
Total Merphos	**<0.038**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:25	150-50-5	
Surrogates								
Triphenylphosphate (S)	98	%.	10-175	1	01/31/18 20:10	02/06/18 16:25	115-86-6	
Tributylphosphate (S)	123	%.	20-150	1	01/31/18 20:10	02/06/18 16:25	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	**<0.25**	ug/L	0.50	1	02/01/18 16:00	02/07/18 11:46	94-75-7	
Dalapon	**<0.25**	ug/L	0.50	1	02/01/18 16:00	02/07/18 11:46	75-99-0	
2,4-DB	**<0.34**	ug/L	0.50	1	02/01/18 16:00	02/07/18 11:46	94-82-6	
Dicamba	**<0.25**	ug/L	0.50	1	02/01/18 16:00	02/07/18 11:46	1918-00-9	
Dichloroprop	**<0.29**	ug/L	0.50	1	02/01/18 16:00	02/07/18 11:46	15165-67-0	
Dinoseb	**<0.50**	ug/L	0.50	1	02/01/18 16:00	02/07/18 11:46	88-85-7	
MCPA	**<20.0**	ug/L	20.0	1	02/01/18 16:00	02/07/18 11:46	94-74-6	
MCPP	**<20.0**	ug/L	20.0	1	02/01/18 16:00	02/07/18 11:46	7085-19-0	
2,4,5-T	**<0.25**	ug/L	0.50	1	02/01/18 16:00	02/07/18 11:46	93-76-5	
2,4,5-TP (Silvex)	**<0.25**	ug/L	0.50	1	02/01/18 16:00	02/07/18 11:46	93-72-1	
Surrogates								
2,4-DCAA (S)	197	%.	47-166	1	02/01/18 16:00	02/07/18 11:46	19719-28-9	S3
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**25.8**	ug/L	10.0	1	01/30/18 11:15	02/01/18 15:38	7440-38-2	
Barium	**1220**	ug/L	5.0	1	01/30/18 11:15	02/01/18 15:38	7440-39-3	
Cadmium	**2.0J**	ug/L	5.0	1	01/30/18 11:15	02/01/18 15:38	7440-43-9	
Chromium	**84.7**	ug/L	5.0	1	01/30/18 11:15	02/01/18 15:38	7440-47-3	
Lead	**407**	ug/L	5.0	1	01/30/18 11:15	02/01/18 15:38	7439-92-1	
Selenium	**3.7J**	ug/L	15.0	1	01/30/18 11:15	02/01/18 15:38	7782-49-2	
Silver	**2.9J**	ug/L	7.0	1	01/30/18 11:15	02/01/18 15:38	7440-22-4	
6010 MET ICP, Dissolved (LF)	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic, Dissolved	**<4.2**	ug/L	10.0	1	01/30/18 10:10	01/31/18 17:48	7440-38-2	
Barium, Dissolved	**94.6**	ug/L	5.0	1	01/30/18 10:10	01/31/18 17:48	7440-39-3	
Cadmium, Dissolved	**<0.64**	ug/L	5.0	1	01/30/18 10:10	01/31/18 17:48	7440-43-9	
Chromium, Dissolved	**2.4J**	ug/L	5.0	1	01/30/18 10:10	01/31/18 17:48	7440-47-3	
Lead, Dissolved	**<2.4**	ug/L	5.0	1	01/30/18 10:10	01/31/18 17:48	7439-92-1	
Selenium, Dissolved	**7.6J**	ug/L	15.0	1	01/30/18 10:10	01/31/18 17:48	7782-49-2	
Silver, Dissolved	**<1.9**	ug/L	7.0	1	01/30/18 10:10	01/31/18 17:48	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	**0.90**	ug/L	0.20	1	02/08/18 11:51	02/08/18 15:44	7439-97-6	
7470 Mercury, Dissolved (LF)	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury, Dissolved	**<0.046**	ug/L	0.20	1	02/08/18 15:58	02/09/18 11:31	7439-97-6	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-16 **Lab ID: 60262831010** Collected: 01/25/18 13:50 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	**<0.33**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	83-32-9	1e
Acenaphthylene	**<0.35**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	208-96-8	1e
Anthracene	**<0.28**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	120-12-7	1e
Benzo(a)anthracene	**<0.27**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	56-55-3	1e
Benzo(a)pyrene	**<0.33**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	50-32-8	1e
Benzo(b)fluoranthene	**<0.32**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	205-99-2	1e
Benzo(g,h,i)perylene	**<0.37**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	191-24-2	1e
Benzo(k)fluoranthene	**<0.39**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	207-08-9	1e
Benzoic acid	**10.8J**	ug/L	46.3	1	01/26/18 00:00	01/29/18 15:43	65-85-0	1e
Benzyl alcohol	**<0.32**	ug/L	18.5	1	01/26/18 00:00	01/29/18 15:43	100-51-6	1e
4-Bromophenylphenyl ether	**<0.35**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	101-55-3	1e
Butylbenzylphthalate	**<0.37**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	85-68-7	1e
Carbazole	**<0.32**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	86-74-8	1e
4-Chloro-3-methylphenol	**<0.23**	ug/L	18.5	1	01/26/18 00:00	01/29/18 15:43	59-50-7	1e
4-Chloroaniline	**<0.48**	ug/L	18.5	1	01/26/18 00:00	01/29/18 15:43	106-47-8	1e
bis(2-Chloroethoxy)methane	**<4.6**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	111-91-1	1e
bis(2-Chloroethyl) ether	**<0.27**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	111-44-4	1e
bis(2-Chloroisopropyl) ether	**<0.27**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	39638-32-9	1e
2-Chloronaphthalene	**<0.32**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	91-58-7	1e
2-Chlorophenol	**<0.28**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	95-57-8	1e
4-Chlorophenylphenyl ether	**<0.28**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	7005-72-3	1e
Chrysene	**<0.33**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	218-01-9	1e
Dibenz(a,h)anthracene	**<0.42**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	53-70-3	1e
Dibenzofuran	**<0.36**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	132-64-9	1e
1,2-Dichlorobenzene	**<0.27**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	95-50-1	1e
1,3-Dichlorobenzene	**<0.50**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	541-73-1	1e
1,4-Dichlorobenzene	**<0.38**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	106-46-7	1e
3,3'-Dichlorobenzidine	**<0.36**	ug/L	18.5	1	01/26/18 00:00	01/29/18 15:43	91-94-1	1e
2,4-Dichlorophenol	**<0.48**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	120-83-2	1e
Diethylphthalate	**<0.42**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	84-66-2	1e
2,4-Dimethylphenol	**<0.56**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	105-67-9	1e
Dimethylphthalate	**<0.32**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	131-11-3	1e
Di-n-butylphthalate	**0.49J**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	84-74-2	1e
4,6-Dinitro-2-methylphenol	**<0.51**	ug/L	46.3	1	01/26/18 00:00	01/29/18 15:43	534-52-1	1e
2,4-Dinitrophenol	**<7.8**	ug/L	46.3	1	01/26/18 00:00	01/29/18 15:43	51-28-5	1e
2,4-Dinitrotoluene	**<0.31**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	121-14-2	1e
2,6-Dinitrotoluene	**<0.26**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	606-20-2	1e
Di-n-octylphthalate	**<0.46**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	117-84-0	1e
bis(2-Ethylhexyl)phthalate	**<0.57**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	117-81-7	1e
Fluoranthene	**<0.34**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	206-44-0	1e
Fluorene	**<0.31**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	86-73-7	1e
Hexachloro-1,3-butadiene	**<0.35**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	87-68-3	1e
Hexachlorobenzene	**<0.28**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	118-74-1	1e
Hexachlorocyclopentadiene	**<0.32**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	77-47-4	1e
Hexachloroethane	**<0.27**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	67-72-1	1e
Indeno(1,2,3-cd)pyrene	**<0.30**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	193-39-5	1e
Isophorone	**<0.26**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	78-59-1	1e

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-16 **Lab ID: 60262831010** Collected: 01/25/18 13:50 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2-Methylnaphthalene	**<0.24**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	91-57-6	1e
2-Methylphenol(o-Cresol)	**<0.26**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	95-48-7	1e
3&4-Methylphenol(m&p Cresol)	**<4.6**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43		1e
Naphthalene	**<0.33**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	91-20-3	1e
2-Nitroaniline	**<0.39**	ug/L	46.3	1	01/26/18 00:00	01/29/18 15:43	88-74-4	1e
3-Nitroaniline	**<0.32**	ug/L	46.3	1	01/26/18 00:00	01/29/18 15:43	99-09-2	1e
4-Nitroaniline	**<0.32**	ug/L	46.3	1	01/26/18 00:00	01/29/18 15:43	100-01-6	1e
Nitrobenzene	**<0.28**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	98-95-3	1e
2-Nitrophenol	**<0.26**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	88-75-5	1e
4-Nitrophenol	**<0.29**	ug/L	46.3	1	01/26/18 00:00	01/29/18 15:43	100-02-7	1e
N-Nitroso-di-n-propylamine	**<0.25**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	621-64-7	1e
N-Nitrosodiphenylamine	**<0.37**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	86-30-6	1e
Pentachlorophenol	**<0.29**	ug/L	46.3	1	01/26/18 00:00	01/29/18 15:43	87-86-5	1e
Phenanthrene	**<0.31**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	85-01-8	1e
Phenol	**<4.6**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	108-95-2	1e
Pyrene	**<0.26**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	129-00-0	1e
Pyridine	**<0.29**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	110-86-1	1e
1,2,4-Trichlorobenzene	**<0.31**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	120-82-1	1e
2,4,5-Trichlorophenol	**<0.31**	ug/L	46.3	1	01/26/18 00:00	01/29/18 15:43	95-95-4	1e
2,4,6-Trichlorophenol	**<0.36**	ug/L	9.3	1	01/26/18 00:00	01/29/18 15:43	88-06-2	1e
Surrogates								
Nitrobenzene-d5 (S)	45	%	33-99	1	01/26/18 00:00	01/29/18 15:43	4165-60-0	
2-Fluorobiphenyl (S)	49	%	30-103	1	01/26/18 00:00	01/29/18 15:43	321-60-8	
Terphenyl-d14 (S)	49	%	38-114	1	01/26/18 00:00	01/29/18 15:43	1718-51-0	
Phenol-d6 (S)	20	%	10-56	1	01/26/18 00:00	01/29/18 15:43	13127-88-3	
2-Fluorophenol (S)	26	%	10-68	1	01/26/18 00:00	01/29/18 15:43	367-12-4	
2,4,6-Tribromophenol (S)	57	%	21-124	1	01/26/18 00:00	01/29/18 15:43	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C							
TPH-ORO	**<0.96**	mg/L	0.96	1	01/29/18 15:00	01/31/18 20:36		1e
TPH-DRO	**<0.96**	mg/L	0.96	1	01/29/18 15:00	01/31/18 20:36		1e
Surrogates								
Nitrobenzene-d5 (S)	80	%	33-99	1	01/29/18 15:00	01/31/18 20:36	4165-60-0	
2-Fluorobiphenyl (S)	80	%	30-103	1	01/29/18 15:00	01/31/18 20:36	321-60-8	
Terphenyl-d14 (S)	83	%	38-114	1	01/29/18 15:00	01/31/18 20:36	1718-51-0	
8260 MSV	Analytical Method: EPA 5030B/8260							
Acetone	**3.2J**	ug/L	10.0	1		01/30/18 21:21	67-64-1	
Benzene	**<0.060**	ug/L	1.0	1		01/30/18 21:21	71-43-2	
Bromobenzene	**<0.10**	ug/L	1.0	1		01/30/18 21:21	108-86-1	
Bromochloromethane	**<0.15**	ug/L	1.0	1		01/30/18 21:21	74-97-5	
Bromodichloromethane	**<0.19**	ug/L	1.0	1		01/30/18 21:21	75-27-4	
Bromoform	**<0.070**	ug/L	1.0	1		01/30/18 21:21	75-25-2	
Bromomethane	**<0.16**	ug/L	5.0	1		01/30/18 21:21	74-83-9	
2-Butanone (MEK)	**<0.59**	ug/L	10.0	1		01/30/18 21:21	78-93-3	
n-Butylbenzene	**<0.10**	ug/L	1.0	1		01/30/18 21:21	104-51-8	
sec-Butylbenzene	**<0.050**	ug/L	1.0	1		01/30/18 21:21	135-98-8	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-16 **Lab ID: 60262831010** Collected: 01/25/18 13:50 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
tert-Butylbenzene	**<0.34**	ug/L	1.0	1		01/30/18 21:21	98-06-6	
Carbon disulfide	**<0.12**	ug/L	5.0	1		01/30/18 21:21	75-15-0	
Carbon tetrachloride	**<0.18**	ug/L	1.0	1		01/30/18 21:21	56-23-5	
Chlorobenzene	**<0.21**	ug/L	1.0	1		01/30/18 21:21	108-90-7	
Chloroethane	**<0.15**	ug/L	1.0	1		01/30/18 21:21	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	1		01/30/18 21:21	67-66-3	
Chloromethane	**<0.080**	ug/L	1.0	1		01/30/18 21:21	74-87-3	
2-Chlorotoluene	**<0.12**	ug/L	1.0	1		01/30/18 21:21	95-49-8	
4-Chlorotoluene	**<0.14**	ug/L	1.0	1		01/30/18 21:21	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.59**	ug/L	2.5	1		01/30/18 21:21	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	1		01/30/18 21:21	124-48-1	
1,2-Dibromoethane (EDB)	**<0.17**	ug/L	1.0	1		01/30/18 21:21	106-93-4	
Dibromomethane	**<0.18**	ug/L	1.0	1		01/30/18 21:21	74-95-3	
1,2-Dichlorobenzene	**<0.050**	ug/L	1.0	1		01/30/18 21:21	95-50-1	
1,3-Dichlorobenzene	**<0.070**	ug/L	1.0	1		01/30/18 21:21	541-73-1	
1,4-Dichlorobenzene	**<0.060**	ug/L	1.0	1		01/30/18 21:21	106-46-7	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	1		01/30/18 21:21	75-71-8	
1,1-Dichloroethane	**<0.050**	ug/L	1.0	1		01/30/18 21:21	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	1		01/30/18 21:21	107-06-2	
1,2-Dichloroethene (Total)	**<0.28**	ug/L	1.0	1		01/30/18 21:21	540-59-0	
1,1-Dichloroethene	**<0.20**	ug/L	1.0	1		01/30/18 21:21	75-35-4	
cis-1,2-Dichloroethene	**<0.080**	ug/L	1.0	1		01/30/18 21:21	156-59-2	
trans-1,2-Dichloroethene	**<0.20**	ug/L	1.0	1		01/30/18 21:21	156-60-5	
1,2-Dichloropropane	**<0.16**	ug/L	1.0	1		01/30/18 21:21	78-87-5	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	1		01/30/18 21:21	142-28-9	
2,2-Dichloropropane	**<0.19**	ug/L	1.0	1		01/30/18 21:21	594-20-7	
1,1-Dichloropropene	**<0.090**	ug/L	1.0	1		01/30/18 21:21	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	1.0	1		01/30/18 21:21	10061-01-5	
trans-1,3-Dichloropropene	**<0.12**	ug/L	1.0	1		01/30/18 21:21	10061-02-6	
Ethylbenzene	**<0.18**	ug/L	1.0	1		01/30/18 21:21	100-41-4	
Hexachloro-1,3-butadiene	**<0.18**	ug/L	1.0	1		01/30/18 21:21	87-68-3	
2-Hexanone	**<1.2**	ug/L	10.0	1		01/30/18 21:21	591-78-6	
Isopropylbenzene (Cumene)	**<0.070**	ug/L	1.0	1		01/30/18 21:21	98-82-8	
p-Isopropyltoluene	**<0.10**	ug/L	1.0	1		01/30/18 21:21	99-87-6	
Methylene chloride	**<0.15**	ug/L	1.0	1		01/30/18 21:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	10.0	1		01/30/18 21:21	108-10-1	
Methyl-tert-butyl ether	**<0.060**	ug/L	1.0	1		01/30/18 21:21	1634-04-4	
Naphthalene	**<0.50**	ug/L	10.0	1		01/30/18 21:21	91-20-3	
n-Propylbenzene	**<0.10**	ug/L	1.0	1		01/30/18 21:21	103-65-1	
Styrene	**<0.12**	ug/L	1.0	1		01/30/18 21:21	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/30/18 21:21	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/30/18 21:21	79-34-5	
Tetrachloroethene	**<0.10**	ug/L	1.0	1		01/30/18 21:21	127-18-4	
Toluene	**<0.17**	ug/L	1.0	1		01/30/18 21:21	108-88-3	
1,2,3-Trichlorobenzene	**<0.12**	ug/L	1.0	1		01/30/18 21:21	87-61-6	
1,2,4-Trichlorobenzene	**<0.10**	ug/L	1.0	1		01/30/18 21:21	120-82-1	
1,1,1-Trichloroethane	**<0.11**	ug/L	1.0	1		01/30/18 21:21	71-55-6	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-16 **Lab ID: 60262831010** Collected: 01/25/18 13:50 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	1		01/30/18 21:21	79-00-5	
Trichloroethene	**<0.17**	ug/L	1.0	1		01/30/18 21:21	79-01-6	
Trichlorofluoromethane	**<0.34**	ug/L	1.0	1		01/30/18 21:21	75-69-4	
1,2,3-Trichloropropane	**<0.19**	ug/L	2.5	1		01/30/18 21:21	96-18-4	
1,2,4-Trimethylbenzene	**<0.090**	ug/L	1.0	1		01/30/18 21:21	95-63-6	
1,3,5-Trimethylbenzene	**<0.10**	ug/L	1.0	1		01/30/18 21:21	108-67-8	
Vinyl chloride	**<0.13**	ug/L	1.0	1		01/30/18 21:21	75-01-4	
Xylene (Total)	**<0.42**	ug/L	3.0	1		01/30/18 21:21	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	99	%	80-119	1		01/30/18 21:21	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	80-117	1		01/30/18 21:21	17060-07-0	
Toluene-d8 (S)	99	%	80-115	1		01/30/18 21:21	2037-26-5	
Preservation pH	**1.0**		0.10	1		01/30/18 21:21		
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260							
TPH-GRO	**<72.2**	ug/L	500	1		02/02/18 17:48		
Surrogates								
Toluene-d8 (S)	100	%	80-115	1		02/02/18 17:48	2037-26-5	
4-Bromofluorobenzene (S)	98	%	80-119	1		02/02/18 17:48	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	87-117	1		02/02/18 17:48	17060-07-0	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**7.3**	Std. Units	0.10	1		02/02/18 11:49		H6
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**3.8**	mg/L	0.20	2		01/29/18 14:58		
9056 IC Anions	Analytical Method: EPA 9056							
Sulfate	**63.5**	mg/L	10.0	10		02/08/18 22:40	14808-79-8	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-15 **Lab ID: 60262831011** Collected: 01/25/18 14:20 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**1070**	ug/L	50.0	5	01/30/18 11:15	02/01/18 15:40	7440-38-2	
Barium	**10200**	ug/L	25.0	5	01/30/18 11:15	02/01/18 15:40	7440-39-3	
Cadmium	**147**	ug/L	25.0	5	01/30/18 11:15	02/01/18 15:40	7440-43-9	
Chromium	**1520**	ug/L	25.0	5	01/30/18 11:15	02/01/18 15:40	7440-47-3	
Lead	**6320**	ug/L	25.0	5	01/30/18 11:15	02/01/18 15:40	7439-92-1	
Selenium	**29.5J**	ug/L	75.0	5	01/30/18 11:15	02/01/18 15:40	7782-49-2	
Silver	**<9.6**	ug/L	35.0	5	01/30/18 11:15	02/01/18 15:40	7440-22-4	D3
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	**21.6**	ug/L	1.0	5	02/08/18 11:51	02/08/18 16:26	7439-97-6	
8260 MSV	Analytical Method: EPA 5030B/8260							
Acetone	**8.5J**	ug/L	10.0	1		01/30/18 22:02	67-64-1	
Benzene	**0.30J**	ug/L	1.0	1		01/30/18 22:02	71-43-2	
Bromobenzene	**<0.10**	ug/L	1.0	1		01/30/18 22:02	108-86-1	
Bromochloromethane	**<0.15**	ug/L	1.0	1		01/30/18 22:02	74-97-5	
Bromodichloromethane	**<0.19**	ug/L	1.0	1		01/30/18 22:02	75-27-4	
Bromoform	**<0.070**	ug/L	1.0	1		01/30/18 22:02	75-25-2	
Bromomethane	**<0.16**	ug/L	5.0	1		01/30/18 22:02	74-83-9	
2-Butanone (MEK)	**<0.59**	ug/L	10.0	1		01/30/18 22:02	78-93-3	
n-Butylbenzene	**0.16J**	ug/L	1.0	1		01/30/18 22:02	104-51-8	
sec-Butylbenzene	**0.080J**	ug/L	1.0	1		01/30/18 22:02	135-98-8	
tert-Butylbenzene	**<0.34**	ug/L	1.0	1		01/30/18 22:02	98-06-6	
Carbon disulfide	**1.2J**	ug/L	5.0	1		01/30/18 22:02	75-15-0	
Carbon tetrachloride	**<0.18**	ug/L	1.0	1		01/30/18 22:02	56-23-5	
Chlorobenzene	**<0.21**	ug/L	1.0	1		01/30/18 22:02	108-90-7	
Chloroethane	**<0.15**	ug/L	1.0	1		01/30/18 22:02	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	1		01/30/18 22:02	67-66-3	
Chloromethane	**<0.080**	ug/L	1.0	1		01/30/18 22:02	74-87-3	
2-Chlorotoluene	**<0.12**	ug/L	1.0	1		01/30/18 22:02	95-49-8	
4-Chlorotoluene	**<0.14**	ug/L	1.0	1		01/30/18 22:02	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.59**	ug/L	2.5	1		01/30/18 22:02	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	1		01/30/18 22:02	124-48-1	
1,2-Dibromoethane (EDB)	**<0.17**	ug/L	1.0	1		01/30/18 22:02	106-93-4	
Dibromomethane	**<0.18**	ug/L	1.0	1		01/30/18 22:02	74-95-3	
1,2-Dichlorobenzene	**<0.050**	ug/L	1.0	1		01/30/18 22:02	95-50-1	
1,3-Dichlorobenzene	**<0.070**	ug/L	1.0	1		01/30/18 22:02	541-73-1	
1,4-Dichlorobenzene	**<0.060**	ug/L	1.0	1		01/30/18 22:02	106-46-7	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	1		01/30/18 22:02	75-71-8	
1,1-Dichloroethane	**<0.050**	ug/L	1.0	1		01/30/18 22:02	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	1		01/30/18 22:02	107-06-2	
1,2-Dichloroethene (Total)	**<0.28**	ug/L	1.0	1		01/30/18 22:02	540-59-0	
1,1-Dichloroethene	**<0.20**	ug/L	1.0	1		01/30/18 22:02	75-35-4	
cis-1,2-Dichloroethene	**<0.080**	ug/L	1.0	1		01/30/18 22:02	156-59-2	
trans-1,2-Dichloroethene	**<0.20**	ug/L	1.0	1		01/30/18 22:02	156-60-5	
1,2-Dichloropropane	**<0.16**	ug/L	1.0	1		01/30/18 22:02	78-87-5	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-15 **Lab ID: 60262831011** Collected: 01/25/18 14:20 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
1,3-Dichloropropane	**<0.17**	ug/L	1.0	1		01/30/18 22:02	142-28-9	
2,2-Dichloropropane	**<0.19**	ug/L	1.0	1		01/30/18 22:02	594-20-7	
1,1-Dichloropropene	**<0.090**	ug/L	1.0	1		01/30/18 22:02	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	1.0	1		01/30/18 22:02	10061-01-5	
trans-1,3-Dichloropropene	**<0.12**	ug/L	1.0	1		01/30/18 22:02	10061-02-6	
Ethylbenzene	**<0.18**	ug/L	1.0	1		01/30/18 22:02	100-41-4	
Hexachloro-1,3-butadiene	**<0.18**	ug/L	1.0	1		01/30/18 22:02	87-68-3	
2-Hexanone	**<1.2**	ug/L	10.0	1		01/30/18 22:02	591-78-6	
Isopropylbenzene (Cumene)	**<0.070**	ug/L	1.0	1		01/30/18 22:02	98-82-8	
p-Isopropyltoluene	**<0.10**	ug/L	1.0	1		01/30/18 22:02	99-87-6	
Methylene chloride	**<0.15**	ug/L	1.0	1		01/30/18 22:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	10.0	1		01/30/18 22:02	108-10-1	
Methyl-tert-butyl ether	**<0.060**	ug/L	1.0	1		01/30/18 22:02	1634-04-4	
Naphthalene	**<0.50**	ug/L	10.0	1		01/30/18 22:02	91-20-3	
n-Propylbenzene	**<0.10**	ug/L	1.0	1		01/30/18 22:02	103-65-1	
Styrene	**<0.12**	ug/L	1.0	1		01/30/18 22:02	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/30/18 22:02	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/30/18 22:02	79-34-5	
Tetrachloroethene	**<0.10**	ug/L	1.0	1		01/30/18 22:02	127-18-4	
Toluene	**0.69J**	ug/L	1.0	1		01/30/18 22:02	108-88-3	
1,2,3-Trichlorobenzene	**<0.12**	ug/L	1.0	1		01/30/18 22:02	87-61-6	
1,2,4-Trichlorobenzene	**<0.10**	ug/L	1.0	1		01/30/18 22:02	120-82-1	
1,1,1-Trichloroethane	**0.20J**	ug/L	1.0	1		01/30/18 22:02	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	1		01/30/18 22:02	79-00-5	
Trichloroethene	**<0.17**	ug/L	1.0	1		01/30/18 22:02	79-01-6	
Trichlorofluoromethane	**<0.34**	ug/L	1.0	1		01/30/18 22:02	75-69-4	
1,2,3-Trichloropropane	**<0.19**	ug/L	2.5	1		01/30/18 22:02	96-18-4	
1,2,4-Trimethylbenzene	**0.16J**	ug/L	1.0	1		01/30/18 22:02	95-63-6	
1,3,5-Trimethylbenzene	**<0.10**	ug/L	1.0	1		01/30/18 22:02	108-67-8	
Vinyl chloride	**<0.13**	ug/L	1.0	1		01/30/18 22:02	75-01-4	
Xylene (Total)	**<0.42**	ug/L	3.0	1		01/30/18 22:02	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	101	%	80-119	1		01/30/18 22:02	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	80-117	1		01/30/18 22:02	17060-07-0	
Toluene-d8 (S)	101	%	80-115	1		01/30/18 22:02	2037-26-5	
Preservation pH	**1.0**		0.10	1		01/30/18 22:02		
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260							
TPH-GRO	**<72.2**	ug/L	500	1		02/07/18 19:14		
Surrogates								
Toluene-d8 (S)	99	%	80-115	1		02/07/18 19:14	2037-26-5	
4-Bromofluorobenzene (S)	101	%	80-119	1		02/07/18 19:14	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	87-117	1		02/07/18 19:14	17060-07-0	

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(913)599-5665

ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-11D **Lab ID: 60262831012** Collected: 01/25/18 16:10 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**894**	ug/L	50.0	5	01/30/18 11:15	02/01/18 15:43	7440-38-2	
Barium	**18400**	ug/L	25.0	5	01/30/18 11:15	02/01/18 15:43	7440-39-3	
Cadmium	**39.3**	ug/L	25.0	5	01/30/18 11:15	02/01/18 15:43	7440-43-9	
Chromium	**3130**	ug/L	25.0	5	01/30/18 11:15	02/01/18 15:43	7440-47-3	
Lead	**2880**	ug/L	25.0	5	01/30/18 11:15	02/01/18 15:43	7439-92-1	
Selenium	**205**	ug/L	75.0	5	01/30/18 11:15	02/01/18 15:43	7782-49-2	
Silver	**<9.6**	ug/L	35.0	5	01/30/18 11:15	02/01/18 15:43	7440-22-4	D3
6010 MET ICP, Dissolved (LF)	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic, Dissolved	**<4.2**	ug/L	10.0	1	01/30/18 10:10	01/31/18 17:50	7440-38-2	
Barium, Dissolved	**333**	ug/L	5.0	1	01/30/18 10:10	01/31/18 17:50	7440-39-3	
Cadmium, Dissolved	**<0.64**	ug/L	5.0	1	01/30/18 10:10	01/31/18 17:50	7440-43-9	
Chromium, Dissolved	**<0.72**	ug/L	5.0	1	01/30/18 10:10	01/31/18 17:50	7440-47-3	
Lead, Dissolved	**<2.4**	ug/L	5.0	1	01/30/18 10:10	01/31/18 17:50	7439-92-1	
Selenium, Dissolved	**<3.4**	ug/L	15.0	1	01/30/18 10:10	01/31/18 17:50	7782-49-2	
Silver, Dissolved	**<1.9**	ug/L	7.0	1	01/30/18 10:10	01/31/18 17:50	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	**8.3**	ug/L	0.20	1	02/08/18 11:51	02/08/18 15:49	7439-97-6	
7470 Mercury, Dissolved (LF)	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury, Dissolved	**<0.046**	ug/L	0.20	1	02/08/18 15:58	02/09/18 11:33	7439-97-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C							
TPH-ORO	**<1.1**	mg/L	1.1	1	01/29/18 15:00	01/31/18 20:57		1e
TPH-DRO	**<1.1**	mg/L	1.1	1	01/29/18 15:00	01/31/18 20:57		1e
Surrogates								
Nitrobenzene-d5 (S)	61	%	33-99	1	01/29/18 15:00	01/31/18 20:57	4165-60-0	
2-Fluorobiphenyl (S)	62	%	30-103	1	01/29/18 15:00	01/31/18 20:57	321-60-8	
Terphenyl-d14 (S)	61	%	38-114	1	01/29/18 15:00	01/31/18 20:57	1718-51-0	
8260 MSV	Analytical Method: EPA 5030B/8260							
Acetone	**6.9J**	ug/L	10.0	1		01/30/18 21:35	67-64-1	
Benzene	**0.28J**	ug/L	1.0	1		01/30/18 21:35	71-43-2	
Bromobenzene	**<0.10**	ug/L	1.0	1		01/30/18 21:35	108-86-1	
Bromochloromethane	**<0.15**	ug/L	1.0	1		01/30/18 21:35	74-97-5	
Bromodichloromethane	**<0.19**	ug/L	1.0	1		01/30/18 21:35	75-27-4	
Bromoform	**<0.070**	ug/L	1.0	1		01/30/18 21:35	75-25-2	
Bromomethane	**<0.16**	ug/L	5.0	1		01/30/18 21:35	74-83-9	
2-Butanone (MEK)	**<0.59**	ug/L	10.0	1		01/30/18 21:35	78-93-3	
n-Butylbenzene	**<0.10**	ug/L	1.0	1		01/30/18 21:35	104-51-8	
sec-Butylbenzene	**<0.050**	ug/L	1.0	1		01/30/18 21:35	135-98-8	
tert-Butylbenzene	**<0.34**	ug/L	1.0	1		01/30/18 21:35	98-06-6	
Carbon disulfide	**0.17J**	ug/L	5.0	1		01/30/18 21:35	75-15-0	
Carbon tetrachloride	**<0.18**	ug/L	1.0	1		01/30/18 21:35	56-23-5	
Chlorobenzene	**<0.21**	ug/L	1.0	1		01/30/18 21:35	108-90-7	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-11D **Lab ID: 60262831012** Collected: 01/25/18 16:10 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
Chloroethane	**<0.15**	ug/L	1.0	1		01/30/18 21:35	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	1		01/30/18 21:35	67-66-3	
Chloromethane	**<0.080**	ug/L	1.0	1		01/30/18 21:35	74-87-3	
2-Chlorotoluene	**<0.12**	ug/L	1.0	1		01/30/18 21:35	95-49-8	
4-Chlorotoluene	**<0.14**	ug/L	1.0	1		01/30/18 21:35	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.59**	ug/L	2.5	1		01/30/18 21:35	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	1		01/30/18 21:35	124-48-1	
1,2-Dibromoethane (EDB)	**<0.17**	ug/L	1.0	1		01/30/18 21:35	106-93-4	
Dibromomethane	**<0.18**	ug/L	1.0	1		01/30/18 21:35	74-95-3	
1,2-Dichlorobenzene	**<0.050**	ug/L	1.0	1		01/30/18 21:35	95-50-1	
1,3-Dichlorobenzene	**<0.070**	ug/L	1.0	1		01/30/18 21:35	541-73-1	
1,4-Dichlorobenzene	**<0.060**	ug/L	1.0	1		01/30/18 21:35	106-46-7	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	1		01/30/18 21:35	75-71-8	
1,1-Dichloroethane	**<0.050**	ug/L	1.0	1		01/30/18 21:35	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	1		01/30/18 21:35	107-06-2	
1,2-Dichloroethene (Total)	**<0.28**	ug/L	1.0	1		01/30/18 21:35	540-59-0	
1,1-Dichloroethene	**<0.20**	ug/L	1.0	1		01/30/18 21:35	75-35-4	
cis-1,2-Dichloroethene	**<0.080**	ug/L	1.0	1		01/30/18 21:35	156-59-2	
trans-1,2-Dichloroethene	**<0.20**	ug/L	1.0	1		01/30/18 21:35	156-60-5	
1,2-Dichloropropane	**<0.16**	ug/L	1.0	1		01/30/18 21:35	78-87-5	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	1		01/30/18 21:35	142-28-9	
2,2-Dichloropropane	**<0.19**	ug/L	1.0	1		01/30/18 21:35	594-20-7	
1,1-Dichloropropene	**<0.090**	ug/L	1.0	1		01/30/18 21:35	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	1.0	1		01/30/18 21:35	10061-01-5	
trans-1,3-Dichloropropene	**<0.12**	ug/L	1.0	1		01/30/18 21:35	10061-02-6	
Ethylbenzene	**0.24J**	ug/L	1.0	1		01/30/18 21:35	100-41-4	
Hexachloro-1,3-butadiene	**<0.18**	ug/L	1.0	1		01/30/18 21:35	87-68-3	
2-Hexanone	**<1.2**	ug/L	10.0	1		01/30/18 21:35	591-78-6	
Isopropylbenzene (Cumene)	**<0.070**	ug/L	1.0	1		01/30/18 21:35	98-82-8	
p-Isopropyltoluene	**<0.10**	ug/L	1.0	1		01/30/18 21:35	99-87-6	
Methylene chloride	**<0.15**	ug/L	1.0	1		01/30/18 21:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	10.0	1		01/30/18 21:35	108-10-1	
Methyl-tert-butyl ether	**<0.060**	ug/L	1.0	1		01/30/18 21:35	1634-04-4	
Naphthalene	**<0.50**	ug/L	10.0	1		01/30/18 21:35	91-20-3	
n-Propylbenzene	**<0.10**	ug/L	1.0	1		01/30/18 21:35	103-65-1	
Styrene	**<0.12**	ug/L	1.0	1		01/30/18 21:35	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/30/18 21:35	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/30/18 21:35	79-34-5	
Tetrachloroethene	**<0.10**	ug/L	1.0	1		01/30/18 21:35	127-18-4	
Toluene	**0.51J**	ug/L	1.0	1		01/30/18 21:35	108-88-3	
1,2,3-Trichlorobenzene	**<0.12**	ug/L	1.0	1		01/30/18 21:35	87-61-6	
1,2,4-Trichlorobenzene	**<0.10**	ug/L	1.0	1		01/30/18 21:35	120-82-1	
1,1,1-Trichloroethane	**<0.11**	ug/L	1.0	1		01/30/18 21:35	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	1		01/30/18 21:35	79-00-5	
Trichloroethene	**<0.17**	ug/L	1.0	1		01/30/18 21:35	79-01-6	
Trichlorofluoromethane	**<0.34**	ug/L	1.0	1		01/30/18 21:35	75-69-4	
1,2,3-Trichloropropane	**<0.19**	ug/L	2.5	1		01/30/18 21:35	96-18-4	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: SB-11D **Lab ID: 60262831012** Collected: 01/25/18 16:10 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
1,2,4-Trimethylbenzene	**<0.090**	ug/L	1.0	1		01/30/18 21:35	95-63-6	
1,3,5-Trimethylbenzene	**<0.10**	ug/L	1.0	1		01/30/18 21:35	108-67-8	
Vinyl chloride	**<0.13**	ug/L	1.0	1		01/30/18 21:35	75-01-4	
Xylene (Total)	**<0.42**	ug/L	3.0	1		01/30/18 21:35	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	99	%	80-119	1		01/30/18 21:35	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	80-117	1		01/30/18 21:35	17060-07-0	
Toluene-d8 (S)	100	%	80-115	1		01/30/18 21:35	2037-26-5	
Preservation pH	**4.0**		0.10	1		01/30/18 21:35		pH
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260							
TPH-GRO	**<72.2**	ug/L	500	1		02/07/18 19:28		
Surrogates								
Toluene-d8 (S)	98	%	80-115	1		02/07/18 19:28	2037-26-5	
4-Bromofluorobenzene (S)	99	%	80-119	1		02/07/18 19:28	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	87-117	1		02/07/18 19:28	17060-07-0	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: EQUIPMENT BLANK **Lab ID: 60262831013** Collected: 01/25/18 16:50 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:06	309-00-2	
alpha-BHC	**<0.0060**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:06	319-84-6	
beta-BHC	**<0.010**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:06	319-85-7	
delta-BHC	**<0.0090**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:06	319-86-8	
gamma-BHC (Lindane)	**<0.0080**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:06	58-89-9	
Chlordane (Technical)	**<0.090**	ug/L	0.10	1	01/31/18 20:10	02/09/18 17:06	57-74-9	
alpha-Chlordane	**<0.024**	ug/L	0.10	1	01/31/18 20:10	02/09/18 17:06	5103-71-9	
gamma-Chlordane	**<0.034**	ug/L	0.10	1	01/31/18 20:10	02/09/18 17:06	5103-74-2	
4,4'-DDD	**<0.0050**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:06	72-54-8	
4,4'-DDE	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:06	72-55-9	
4,4'-DDT	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:06	50-29-3	
Dieldrin	**<0.0060**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:06	60-57-1	
Endosulfan I	**<0.021**	ug/L	0.10	1	01/31/18 20:10	02/09/18 17:06	959-98-8	
Endosulfan II	**<0.0090**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:06	33213-65-9	
Endosulfan sulfate	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:06	1031-07-8	
Endrin	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:06	72-20-8	
Endrin aldehyde	**<0.029**	ug/L	0.10	1	01/31/18 20:10	02/09/18 17:06	7421-93-4	
Endrin ketone	**<0.025**	ug/L	0.10	1	01/31/18 20:10	02/09/18 17:06	53494-70-5	
Heptachlor	**<0.0050**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:06	76-44-8	
Heptachlor epoxide	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:06	1024-57-3	
Methoxychlor	**<0.0060**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:06	72-43-5	
Toxaphene	**<0.61**	ug/L	1.5	1	01/31/18 20:10	02/09/18 17:06	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	7	%.	54-127	1	01/31/18 20:10	02/09/18 17:06	877-09-8	S1
Decachlorobiphenyl (S)	10	%.	12-162	1	01/31/18 20:10	02/09/18 17:06	2051-24-3	S1
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510							
Stirophos (Tetrachlorvinphos)	**<0.072**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:52	22248-79-9	
Azinphos, methyl (Guthion)	**<0.093**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:52	86-50-0	
Bolstar	**<0.090**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:52	35400-43-2	
Chlorpyrifos	**<0.067**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:52	2921-88-2	
Coumaphos	**<0.092**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:52	56-72-4	
Diazinon	**<0.078**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:52	333-41-5	
Dichlorvos	**<0.073**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:52	62-73-7	
Dimethoate	**<0.083**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:52	60-51-5	
Disulfoton	**<0.071**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:52	298-04-4	
EPN (ENT)	**<0.087**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:52	2104-64-5	
Ethoprop	**<0.059**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:52	13194-48-4	
Fensulfothion	**<0.087**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:52	115-90-2	
Fenthion	**<0.088**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:52	55-38-9	
Malathion	**<0.086**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:52	121-75-5	
Methyl parathion	**<0.070**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:52	298-00-0	
Mevinphos	**<0.065**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:52	7786-34-7	
Parathion (Ethyl parathion)	**<0.060**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:52	56-38-2	
Phorate	**<0.064**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:52	298-02-2	
Ronnel	**<0.088**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:52	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<0.061**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:52	3689-24-5	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: EQUIPMENT BLANK **Lab ID: 60262831013** Collected: 01/25/18 16:50 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510							
Tokuthion (Prothiofos)	**<0.081**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:52	34643-46-4	
Trichloronate	**<0.087**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:52	327-98-0	
Total Demeton	**<0.083**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:52	8065-48-3	
Total Merphos	**<0.038**	ug/L	0.10	1	01/31/18 20:10	02/06/18 16:52	150-50-5	
Surrogates								
Triphenylphosphate (S)	96	%.	10-175	1	01/31/18 20:10	02/06/18 16:52	115-86-6	
Tributylphosphate (S)	102	%.	20-150	1	01/31/18 20:10	02/06/18 16:52	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	**<0.25**	ug/L	0.50	1	02/01/18 16:00	02/07/18 12:11	94-75-7	
Dalapon	**<0.25**	ug/L	0.50	1	02/01/18 16:00	02/07/18 12:11	75-99-0	
2,4-DB	**<0.34**	ug/L	0.50	1	02/01/18 16:00	02/07/18 12:11	94-82-6	
Dicamba	**<0.25**	ug/L	0.50	1	02/01/18 16:00	02/07/18 12:11	1918-00-9	
Dichloroprop	**<0.29**	ug/L	0.50	1	02/01/18 16:00	02/07/18 12:11	15165-67-0	
Dinoseb	**<0.50**	ug/L	0.50	1	02/01/18 16:00	02/07/18 12:11	88-85-7	
MCPA	**<20.0**	ug/L	20.0	1	02/01/18 16:00	02/07/18 12:11	94-74-6	
MCPP	**<20.0**	ug/L	20.0	1	02/01/18 16:00	02/07/18 12:11	7085-19-0	
2,4,5-T	**<0.25**	ug/L	0.50	1	02/01/18 16:00	02/07/18 12:11	93-76-5	
2,4,5-TP (Silvex)	**<0.25**	ug/L	0.50	1	02/01/18 16:00	02/07/18 12:11	93-72-1	
Surrogates								
2,4-DCAA (S)	75	%.	47-166	1	02/01/18 16:00	02/07/18 12:11	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**<4.2**	ug/L	10.0	1	01/30/18 11:15	02/01/18 15:50	7440-38-2	
Barium	**<0.91**	ug/L	5.0	1	01/30/18 11:15	02/01/18 15:50	7440-39-3	
Cadmium	**<0.64**	ug/L	5.0	1	01/30/18 11:15	02/01/18 15:50	7440-43-9	
Chromium	**<0.72**	ug/L	5.0	1	01/30/18 11:15	02/01/18 15:50	7440-47-3	
Lead	**<2.4**	ug/L	5.0	1	01/30/18 11:15	02/01/18 15:50	7439-92-1	
Selenium	**<3.4**	ug/L	15.0	1	01/30/18 11:15	02/01/18 15:50	7782-49-2	
Silver	**<1.9**	ug/L	7.0	1	01/30/18 11:15	02/01/18 15:50	7440-22-4	
6010 MET ICP, Dissolved (LF)	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic, Dissolved	**<4.2**	ug/L	10.0	1	01/30/18 10:10	01/31/18 17:53	7440-38-2	
Barium, Dissolved	**<0.91**	ug/L	5.0	1	01/30/18 10:10	01/31/18 17:53	7440-39-3	
Cadmium, Dissolved	**<0.64**	ug/L	5.0	1	01/30/18 10:10	01/31/18 17:53	7440-43-9	
Chromium, Dissolved	**<0.72**	ug/L	5.0	1	01/30/18 10:10	01/31/18 17:53	7440-47-3	
Lead, Dissolved	**<2.4**	ug/L	5.0	1	01/30/18 10:10	01/31/18 17:53	7439-92-1	
Selenium, Dissolved	**<3.4**	ug/L	15.0	1	01/30/18 10:10	01/31/18 17:53	7782-49-2	
Silver, Dissolved	**<1.9**	ug/L	7.0	1	01/30/18 10:10	01/31/18 17:53	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	**<0.046**	ug/L	0.20	1	02/08/18 11:51	02/08/18 15:51	7439-97-6	
7470 Mercury, Dissolved (LF)	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury, Dissolved	**<0.046**	ug/L	0.20	1	02/08/18 15:58	02/09/18 11:36	7439-97-6	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: EQUIPMENT BLANK **Lab ID: 60262831013** Collected: 01/25/18 16:50 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	**<0.35**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	83-32-9	1e
Acenaphthylene	**<0.37**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	208-96-8	1e
Anthracene	**<0.29**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	120-12-7	1e
Benzo(a)anthracene	**<0.28**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	56-55-3	1e
Benzo(a)pyrene	**<0.35**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	50-32-8	1e
Benzo(b)fluoranthene	**<0.34**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	205-99-2	1e
Benzo(g,h,i)perylene	**<0.38**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	191-24-2	1e
Benzo(k)fluoranthene	**<0.40**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	207-08-9	1e
Benzoic acid	**<2.4**	ug/L	48.1	1	01/26/18 00:00	01/29/18 16:05	65-85-0	1e
Benzyl alcohol	**<0.34**	ug/L	19.2	1	01/26/18 00:00	01/29/18 16:05	100-51-6	1e
4-Bromophenylphenyl ether	**<0.37**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	101-55-3	1e
Butylbenzylphthalate	**<0.38**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	85-68-7	1e
Carbazole	**<0.34**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	86-74-8	1e
4-Chloro-3-methylphenol	**<0.24**	ug/L	19.2	1	01/26/18 00:00	01/29/18 16:05	59-50-7	1e
4-Chloroaniline	**<0.50**	ug/L	19.2	1	01/26/18 00:00	01/29/18 16:05	106-47-8	1e
bis(2-Chloroethoxy)methane	**<4.8**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	111-91-1	1e
bis(2-Chloroethyl) ether	**<0.28**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	111-44-4	1e
bis(2-Chloroisopropyl) ether	**<0.28**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	39638-32-9	1e
2-Chloronaphthalene	**<0.34**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	91-58-7	1e
2-Chlorophenol	**<0.29**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	95-57-8	1e
4-Chlorophenylphenyl ether	**<0.29**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	7005-72-3	1e
Chrysene	**<0.35**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	218-01-9	1e
Dibenz(a,h)anthracene	**<0.43**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	53-70-3	1e
Dibenzofuran	**<0.38**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	132-64-9	1e
1,2-Dichlorobenzene	**<0.28**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	95-50-1	1e
1,3-Dichlorobenzene	**<0.52**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	541-73-1	1e
1,4-Dichlorobenzene	**<0.39**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	106-46-7	1e
3,3'-Dichlorobenzidine	**<0.38**	ug/L	19.2	1	01/26/18 00:00	01/29/18 16:05	91-94-1	1e
2,4-Dichlorophenol	**<0.50**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	120-83-2	1e
Diethylphthalate	**<0.43**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	84-66-2	1e
2,4-Dimethylphenol	**<0.58**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	105-67-9	1e
Dimethylphthalate	**<0.34**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	131-11-3	1e
Di-n-butylphthalate	**<0.38**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	84-74-2	1e
4,6-Dinitro-2-methylphenol	**<0.53**	ug/L	48.1	1	01/26/18 00:00	01/29/18 16:05	534-52-1	1e
2,4-Dinitrophenol	**<8.1**	ug/L	48.1	1	01/26/18 00:00	01/29/18 16:05	51-28-5	1e
2,4-Dinitrotoluene	**<0.32**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	121-14-2	1e
2,6-Dinitrotoluene	**<0.27**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	606-20-2	1e
Di-n-octylphthalate	**<0.48**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	117-84-0	1e
bis(2-Ethylhexyl)phthalate	**<0.60**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	117-81-7	1e
Fluoranthene	**<0.36**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	206-44-0	1e
Fluorene	**<0.33**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	86-73-7	1e
Hexachloro-1,3-butadiene	**<0.37**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	87-68-3	1e
Hexachlorobenzene	**<0.29**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	118-74-1	1e
Hexachlorocyclopentadiene	**<0.34**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	77-47-4	1e
Hexachloroethane	**<0.28**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	67-72-1	1e
Indeno(1,2,3-cd)pyrene	**<0.31**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	193-39-5	1e
Isophorone	**<0.27**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	78-59-1	1e

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: EQUIPMENT BLANK **Lab ID: 60262831013** Collected: 01/25/18 16:50 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2-Methylnaphthalene	**<0.25**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	91-57-6	1e
2-Methylphenol(o-Cresol)	**<0.27**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	95-48-7	1e
3&4-Methylphenol(m&p Cresol)	**<4.8**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05		1e
Naphthalene	**<0.35**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	91-20-3	1e
2-Nitroaniline	**<0.40**	ug/L	48.1	1	01/26/18 00:00	01/29/18 16:05	88-74-4	1e
3-Nitroaniline	**<0.34**	ug/L	48.1	1	01/26/18 00:00	01/29/18 16:05	99-09-2	1e
4-Nitroaniline	**<0.34**	ug/L	48.1	1	01/26/18 00:00	01/29/18 16:05	100-01-6	1e
Nitrobenzene	**<0.29**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	98-95-3	1e
2-Nitrophenol	**<0.27**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	88-75-5	1e
4-Nitrophenol	**<0.30**	ug/L	48.1	1	01/26/18 00:00	01/29/18 16:05	100-02-7	1e
N-Nitroso-di-n-propylamine	**<0.26**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	621-64-7	1e
N-Nitrosodiphenylamine	**<0.38**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	86-30-6	1e
Pentachlorophenol	**<0.30**	ug/L	48.1	1	01/26/18 00:00	01/29/18 16:05	87-86-5	1e
Phenanthrene	**<0.33**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	85-01-8	1e
Phenol	**<4.8**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	108-95-2	1e
Pyrene	**<0.27**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	129-00-0	1e
Pyridine	**<0.30**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	110-86-1	1e
1,2,4-Trichlorobenzene	**<0.32**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	120-82-1	1e
2,4,5-Trichlorophenol	**<0.32**	ug/L	48.1	1	01/26/18 00:00	01/29/18 16:05	95-95-4	1e
2,4,6-Trichlorophenol	**<0.38**	ug/L	9.6	1	01/26/18 00:00	01/29/18 16:05	88-06-2	1e
Surrogates								
Nitrobenzene-d5 (S)	75	%	33-99	1	01/26/18 00:00	01/29/18 16:05	4165-60-0	
2-Fluorobiphenyl (S)	79	%	30-103	1	01/26/18 00:00	01/29/18 16:05	321-60-8	
Terphenyl-d14 (S)	81	%	38-114	1	01/26/18 00:00	01/29/18 16:05	1718-51-0	
Phenol-d6 (S)	44	%	10-56	1	01/26/18 00:00	01/29/18 16:05	13127-88-3	
2-Fluorophenol (S)	58	%	10-68	1	01/26/18 00:00	01/29/18 16:05	367-12-4	
2,4,6-Tribromophenol (S)	100	%	21-124	1	01/26/18 00:00	01/29/18 16:05	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C							
TPH-ORO	**<0.96**	mg/L	0.96	1	01/29/18 15:00	01/31/18 21:18		1e
TPH-DRO	**<0.96**	mg/L	0.96	1	01/29/18 15:00	01/31/18 21:18		1e
Surrogates								
Nitrobenzene-d5 (S)	73	%	33-99	1	01/29/18 15:00	01/31/18 21:18	4165-60-0	
2-Fluorobiphenyl (S)	75	%	30-103	1	01/29/18 15:00	01/31/18 21:18	321-60-8	
Terphenyl-d14 (S)	66	%	38-114	1	01/29/18 15:00	01/31/18 21:18	1718-51-0	
8260 MSV	Analytical Method: EPA 5030B/8260							
Acetone	**4.7J**	ug/L	10.0	1		01/30/18 19:01	67-64-1	
Benzene	**<0.060**	ug/L	1.0	1		01/30/18 19:01	71-43-2	
Bromobenzene	**<0.10**	ug/L	1.0	1		01/30/18 19:01	108-86-1	
Bromochloromethane	**<0.15**	ug/L	1.0	1		01/30/18 19:01	74-97-5	
Bromodichloromethane	**<0.19**	ug/L	1.0	1		01/30/18 19:01	75-27-4	
Bromoform	**<0.070**	ug/L	1.0	1		01/30/18 19:01	75-25-2	
Bromomethane	**<0.16**	ug/L	5.0	1		01/30/18 19:01	74-83-9	
2-Butanone (MEK)	**<0.59**	ug/L	10.0	1		01/30/18 19:01	78-93-3	
n-Butylbenzene	**<0.10**	ug/L	1.0	1		01/30/18 19:01	104-51-8	
sec-Butylbenzene	**<0.050**	ug/L	1.0	1		01/30/18 19:01	135-98-8	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: EQUIPMENT BLANK **Lab ID: 60262831013** Collected: 01/25/18 16:50 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
tert-Butylbenzene	**<0.34**	ug/L	1.0	1		01/30/18 19:01	98-06-6	
Carbon disulfide	**<0.12**	ug/L	5.0	1		01/30/18 19:01	75-15-0	
Carbon tetrachloride	**<0.18**	ug/L	1.0	1		01/30/18 19:01	56-23-5	
Chlorobenzene	**<0.21**	ug/L	1.0	1		01/30/18 19:01	108-90-7	
Chloroethane	**<0.15**	ug/L	1.0	1		01/30/18 19:01	75-00-3	
Chloroform	**0.18J**	ug/L	1.0	1		01/30/18 19:01	67-66-3	
Chloromethane	**<0.080**	ug/L	1.0	1		01/30/18 19:01	74-87-3	
2-Chlorotoluene	**<0.12**	ug/L	1.0	1		01/30/18 19:01	95-49-8	
4-Chlorotoluene	**<0.14**	ug/L	1.0	1		01/30/18 19:01	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.59**	ug/L	2.5	1		01/30/18 19:01	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	1		01/30/18 19:01	124-48-1	
1,2-Dibromoethane (EDB)	**<0.17**	ug/L	1.0	1		01/30/18 19:01	106-93-4	
Dibromomethane	**<0.18**	ug/L	1.0	1		01/30/18 19:01	74-95-3	
1,2-Dichlorobenzene	**<0.050**	ug/L	1.0	1		01/30/18 19:01	95-50-1	
1,3-Dichlorobenzene	**<0.070**	ug/L	1.0	1		01/30/18 19:01	541-73-1	
1,4-Dichlorobenzene	**<0.060**	ug/L	1.0	1		01/30/18 19:01	106-46-7	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	1		01/30/18 19:01	75-71-8	
1,1-Dichloroethane	**<0.050**	ug/L	1.0	1		01/30/18 19:01	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	1		01/30/18 19:01	107-06-2	
1,2-Dichloroethene (Total)	**<0.28**	ug/L	1.0	1		01/30/18 19:01	540-59-0	
1,1-Dichloroethene	**<0.20**	ug/L	1.0	1		01/30/18 19:01	75-35-4	
cis-1,2-Dichloroethene	**<0.080**	ug/L	1.0	1		01/30/18 19:01	156-59-2	
trans-1,2-Dichloroethene	**<0.20**	ug/L	1.0	1		01/30/18 19:01	156-60-5	
1,2-Dichloropropane	**<0.16**	ug/L	1.0	1		01/30/18 19:01	78-87-5	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	1		01/30/18 19:01	142-28-9	
2,2-Dichloropropane	**<0.19**	ug/L	1.0	1		01/30/18 19:01	594-20-7	
1,1-Dichloropropene	**<0.090**	ug/L	1.0	1		01/30/18 19:01	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	1.0	1		01/30/18 19:01	10061-01-5	
trans-1,3-Dichloropropene	**<0.12**	ug/L	1.0	1		01/30/18 19:01	10061-02-6	
Ethylbenzene	**<0.18**	ug/L	1.0	1		01/30/18 19:01	100-41-4	
Hexachloro-1,3-butadiene	**<0.18**	ug/L	1.0	1		01/30/18 19:01	87-68-3	
2-Hexanone	**<1.2**	ug/L	10.0	1		01/30/18 19:01	591-78-6	
Isopropylbenzene (Cumene)	**<0.070**	ug/L	1.0	1		01/30/18 19:01	98-82-8	
p-Isopropyltoluene	**<0.10**	ug/L	1.0	1		01/30/18 19:01	99-87-6	
Methylene chloride	**<0.15**	ug/L	1.0	1		01/30/18 19:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	10.0	1		01/30/18 19:01	108-10-1	
Methyl-tert-butyl ether	**<0.060**	ug/L	1.0	1		01/30/18 19:01	1634-04-4	
Naphthalene	**<0.50**	ug/L	10.0	1		01/30/18 19:01	91-20-3	
n-Propylbenzene	**<0.10**	ug/L	1.0	1		01/30/18 19:01	103-65-1	
Styrene	**<0.12**	ug/L	1.0	1		01/30/18 19:01	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/30/18 19:01	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/30/18 19:01	79-34-5	
Tetrachloroethene	**<0.10**	ug/L	1.0	1		01/30/18 19:01	127-18-4	
Toluene	**0.20J**	ug/L	1.0	1		01/30/18 19:01	108-88-3	
1,2,3-Trichlorobenzene	**<0.12**	ug/L	1.0	1		01/30/18 19:01	87-61-6	
1,2,4-Trichlorobenzene	**<0.10**	ug/L	1.0	1		01/30/18 19:01	120-82-1	
1,1,1-Trichloroethane	**<0.11**	ug/L	1.0	1		01/30/18 19:01	71-55-6	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: EQUIPMENT BLANK **Lab ID: 60262831013** Collected: 01/25/18 16:50 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	1		01/30/18 19:01	79-00-5	
Trichloroethene	**<0.17**	ug/L	1.0	1		01/30/18 19:01	79-01-6	
Trichlorofluoromethane	**<0.34**	ug/L	1.0	1		01/30/18 19:01	75-69-4	
1,2,3-Trichloropropane	**<0.19**	ug/L	2.5	1		01/30/18 19:01	96-18-4	
1,2,4-Trimethylbenzene	**<0.090**	ug/L	1.0	1		01/30/18 19:01	95-63-6	
1,3,5-Trimethylbenzene	**<0.10**	ug/L	1.0	1		01/30/18 19:01	108-67-8	
Vinyl chloride	**<0.13**	ug/L	1.0	1		01/30/18 19:01	75-01-4	
Xylene (Total)	**<0.42**	ug/L	3.0	1		01/30/18 19:01	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	100	%	80-119	1		01/30/18 19:01	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	80-117	1		01/30/18 19:01	17060-07-0	
Toluene-d8 (S)	99	%	80-115	1		01/30/18 19:01	2037-26-5	
Preservation pH	**1.0**		0.10	1		01/30/18 19:01		
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260							
TPH-GRO	**<72.2**	ug/L	500	1		02/07/18 19:42		
Surrogates								
Toluene-d8 (S)	99	%	80-115	1		02/07/18 19:42	2037-26-5	
4-Bromofluorobenzene (S)	101	%	80-119	1		02/07/18 19:42	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	87-117	1		02/07/18 19:42	17060-07-0	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**7.0**	Std. Units	0.10	1		02/02/18 11:52		H6
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**<0.050**	mg/L	0.10	1		01/29/18 14:59		
9056 IC Anions	Analytical Method: EPA 9056							
Sulfate	**<0.50**	mg/L	1.0	1		02/07/18 22:43	14808-79-8	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: TRIP BLANK **Lab ID: 60262831014** Collected: 01/25/18 08:30 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
Acetone	**<1.9**	ug/L	10.0	1		01/30/18 18:47	67-64-1	
Benzene	**<0.060**	ug/L	1.0	1		01/30/18 18:47	71-43-2	
Bromobenzene	**<0.10**	ug/L	1.0	1		01/30/18 18:47	108-86-1	
Bromochloromethane	**<0.15**	ug/L	1.0	1		01/30/18 18:47	74-97-5	
Bromodichloromethane	**<0.19**	ug/L	1.0	1		01/30/18 18:47	75-27-4	
Bromoform	**<0.070**	ug/L	1.0	1		01/30/18 18:47	75-25-2	
Bromomethane	**<0.16**	ug/L	5.0	1		01/30/18 18:47	74-83-9	
2-Butanone (MEK)	**<0.59**	ug/L	10.0	1		01/30/18 18:47	78-93-3	
n-Butylbenzene	**<0.10**	ug/L	1.0	1		01/30/18 18:47	104-51-8	
sec-Butylbenzene	**<0.050**	ug/L	1.0	1		01/30/18 18:47	135-98-8	
tert-Butylbenzene	**<0.34**	ug/L	1.0	1		01/30/18 18:47	98-06-6	
Carbon disulfide	**0.13J**	ug/L	5.0	1		01/30/18 18:47	75-15-0	
Carbon tetrachloride	**<0.18**	ug/L	1.0	1		01/30/18 18:47	56-23-5	
Chlorobenzene	**<0.21**	ug/L	1.0	1		01/30/18 18:47	108-90-7	
Chloroethane	**<0.15**	ug/L	1.0	1		01/30/18 18:47	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	1		01/30/18 18:47	67-66-3	
Chloromethane	**<0.080**	ug/L	1.0	1		01/30/18 18:47	74-87-3	
2-Chlorotoluene	**<0.12**	ug/L	1.0	1		01/30/18 18:47	95-49-8	
4-Chlorotoluene	**<0.14**	ug/L	1.0	1		01/30/18 18:47	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.59**	ug/L	2.5	1		01/30/18 18:47	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	1		01/30/18 18:47	124-48-1	
1,2-Dibromoethane (EDB)	**<0.17**	ug/L	1.0	1		01/30/18 18:47	106-93-4	
Dibromomethane	**<0.18**	ug/L	1.0	1		01/30/18 18:47	74-95-3	
1,2-Dichlorobenzene	**<0.050**	ug/L	1.0	1		01/30/18 18:47	95-50-1	
1,3-Dichlorobenzene	**<0.070**	ug/L	1.0	1		01/30/18 18:47	541-73-1	
1,4-Dichlorobenzene	**<0.060**	ug/L	1.0	1		01/30/18 18:47	106-46-7	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	1		01/30/18 18:47	75-71-8	
1,1-Dichloroethane	**<0.050**	ug/L	1.0	1		01/30/18 18:47	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	1		01/30/18 18:47	107-06-2	
1,2-Dichloroethene (Total)	**<0.28**	ug/L	1.0	1		01/30/18 18:47	540-59-0	
1,1-Dichloroethene	**<0.20**	ug/L	1.0	1		01/30/18 18:47	75-35-4	
cis-1,2-Dichloroethene	**<0.080**	ug/L	1.0	1		01/30/18 18:47	156-59-2	
trans-1,2-Dichloroethene	**<0.20**	ug/L	1.0	1		01/30/18 18:47	156-60-5	
1,2-Dichloropropane	**<0.16**	ug/L	1.0	1		01/30/18 18:47	78-87-5	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	1		01/30/18 18:47	142-28-9	
2,2-Dichloropropane	**<0.19**	ug/L	1.0	1		01/30/18 18:47	594-20-7	
1,1-Dichloropropene	**<0.090**	ug/L	1.0	1		01/30/18 18:47	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	1.0	1		01/30/18 18:47	10061-01-5	
trans-1,3-Dichloropropene	**<0.12**	ug/L	1.0	1		01/30/18 18:47	10061-02-6	
Ethylbenzene	**<0.18**	ug/L	1.0	1		01/30/18 18:47	100-41-4	
Hexachloro-1,3-butadiene	**<0.18**	ug/L	1.0	1		01/30/18 18:47	87-68-3	
2-Hexanone	**<1.2**	ug/L	10.0	1		01/30/18 18:47	591-78-6	
Isopropylbenzene (Cumene)	**<0.070**	ug/L	1.0	1		01/30/18 18:47	98-82-8	
p-Isopropyltoluene	**<0.10**	ug/L	1.0	1		01/30/18 18:47	99-87-6	
Methylene chloride	**<0.15**	ug/L	1.0	1		01/30/18 18:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.42**	ug/L	10.0	1		01/30/18 18:47	108-10-1	
Methyl-tert-butyl ether	**<0.060**	ug/L	1.0	1		01/30/18 18:47	1634-04-4	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: TRIP BLANK **Lab ID: 60262831014** Collected: 01/25/18 08:30 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
Naphthalene	**<0.50**	ug/L	10.0	1		01/30/18 18:47	91-20-3	
n-Propylbenzene	**<0.10**	ug/L	1.0	1		01/30/18 18:47	103-65-1	
Styrene	**<0.12**	ug/L	1.0	1		01/30/18 18:47	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/30/18 18:47	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/30/18 18:47	79-34-5	
Tetrachloroethene	**<0.10**	ug/L	1.0	1		01/30/18 18:47	127-18-4	
Toluene	**<0.17**	ug/L	1.0	1		01/30/18 18:47	108-88-3	
1,2,3-Trichlorobenzene	**<0.12**	ug/L	1.0	1		01/30/18 18:47	87-61-6	
1,2,4-Trichlorobenzene	**<0.10**	ug/L	1.0	1		01/30/18 18:47	120-82-1	
1,1,1-Trichloroethane	**<0.11**	ug/L	1.0	1		01/30/18 18:47	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	1		01/30/18 18:47	79-00-5	
Trichloroethene	**<0.17**	ug/L	1.0	1		01/30/18 18:47	79-01-6	
Trichlorofluoromethane	**<0.34**	ug/L	1.0	1		01/30/18 18:47	75-69-4	
1,2,3-Trichloropropane	**<0.19**	ug/L	2.5	1		01/30/18 18:47	96-18-4	
1,2,4-Trimethylbenzene	**<0.090**	ug/L	1.0	1		01/30/18 18:47	95-63-6	
1,3,5-Trimethylbenzene	**<0.10**	ug/L	1.0	1		01/30/18 18:47	108-67-8	
Vinyl chloride	**<0.13**	ug/L	1.0	1		01/30/18 18:47	75-01-4	
Xylene (Total)	**<0.42**	ug/L	3.0	1		01/30/18 18:47	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	102	%	80-119	1		01/30/18 18:47	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	80-117	1		01/30/18 18:47	17060-07-0	
Toluene-d8 (S)	100	%	80-115	1		01/30/18 18:47	2037-26-5	
Preservation pH	**1.0**		0.10	1		01/30/18 18:47		

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: FLOOR DRAIN SEDIMENT **Lab ID: 60262831015** Collected: 01/26/18 08:50 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546							
Aldrin	**<10.3**	ug/kg	29.2	10	02/02/18 13:00	02/05/18 23:28	309-00-2	
alpha-BHC	**62.1**	ug/kg	29.2	10	02/02/18 13:00	02/05/18 23:28	319-84-6	
beta-BHC	**<15.4**	ug/kg	48.7	10	02/02/18 13:00	02/05/18 23:28	319-85-7	
delta-BHC	**<14.0**	ug/kg	40.9	10	02/02/18 13:00	02/05/18 23:28	319-86-8	
gamma-BHC (Lindane)	**629**	ug/kg	40.9	10	02/02/18 13:00	02/05/18 23:28	58-89-9	
Chlordane (Technical)	**<822**	ug/kg	4390	10	02/02/18 13:00	02/05/18 23:28	57-74-9	
alpha-Chlordane	**34.2J**	ug/kg	48.7	10	02/02/18 13:00	02/05/18 23:28	5103-71-9	
gamma-Chlordane	**33.3J**	ug/kg	48.7	10	02/02/18 13:00	02/05/18 23:28	5103-74-2	
4,4'-DDD	**<9.5**	ug/kg	29.2	10	02/02/18 13:00	02/05/18 23:28	72-54-8	
4,4'-DDE	**<9.2**	ug/kg	29.2	10	02/02/18 13:00	02/05/18 23:28	72-55-9	
4,4'-DDT	**<18.9**	ug/kg	40.9	10	02/02/18 13:00	02/05/18 23:28	50-29-3	
Dieldrin	**<12.7**	ug/kg	40.9	10	02/02/18 13:00	02/05/18 23:28	60-57-1	
Endosulfan I	**<13.5**	ug/kg	40.9	10	02/02/18 13:00	02/05/18 23:28	959-98-8	
Endosulfan II	**<9.4**	ug/kg	29.2	10	02/02/18 13:00	02/05/18 23:28	33213-65-9	
Endosulfan sulfate	**<13.4**	ug/kg	40.9	10	02/02/18 13:00	02/05/18 23:28	1031-07-8	
Endrin	**<13.5**	ug/kg	48.7	10	02/02/18 13:00	02/05/18 23:28	72-20-8	
Endrin aldehyde	**<13.5**	ug/kg	40.9	10	02/02/18 13:00	02/05/18 23:28	7421-93-4	
Endrin ketone	**<16.1**	ug/kg	58.5	10	02/02/18 13:00	02/05/18 23:28	53494-70-5	
Heptachlor	**<22.3**	ug/kg	58.5	10	02/02/18 13:00	02/05/18 23:28	76-44-8	
Heptachlor epoxide	**<58.4**	ug/kg	146	10	02/02/18 13:00	02/05/18 23:28	1024-57-3	
Methoxychlor	**621**	ug/kg	58.5	10	02/02/18 13:00	02/05/18 23:28	72-43-5	
Toxaphene	**<1520**	ug/kg	4390	10	02/02/18 13:00	02/05/18 23:28	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	18	%.	70-130	10	02/02/18 13:00	02/06/18 19:04	877-09-8	S2
Decachlorobiphenyl (S)	17	%.	70-130	10	02/02/18 13:00	02/06/18 19:04	2051-24-3	S2
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546							
Stirophos (Tetrachlorvinphos)	**<97.3**	ug/kg	195	10	02/02/18 13:00	02/06/18 17:47	22248-79-9	
Azinphos, methyl (Guthion)	**<97.3**	ug/kg	195	10	02/02/18 13:00	02/06/18 17:47	86-50-0	
Bolstar	**<97.3**	ug/kg	195	10	02/02/18 13:00	02/06/18 17:47	35400-43-2	
Chlorpyrifos	**2670**	ug/kg	195	10	02/02/18 13:00	02/06/18 18:14	2921-88-2	
Coumaphos	**<97.3**	ug/kg	195	10	02/02/18 13:00	02/06/18 17:47	56-72-4	
Diazinon	**<97.3**	ug/kg	195	10	02/02/18 13:00	02/06/18 17:47	333-41-5	
Dichlorvos	**<48.5**	ug/kg	97.3	10	02/02/18 13:00	02/06/18 17:47	62-73-7	
Dimethoate	**<97.3**	ug/kg	195	10	02/02/18 13:00	02/06/18 17:47	60-51-5	
Disulfoton	**<48.5**	ug/kg	97.3	10	02/02/18 13:00	02/06/18 17:47	298-04-4	
EPN (ENT)	**<62.0**	ug/kg	97.3	10	02/02/18 13:00	02/06/18 17:47	2104-64-5	
Ethoprop	**<48.5**	ug/kg	97.3	10	02/02/18 13:00	02/06/18 17:47	13194-48-4	
Fensulfothion	**<97.3**	ug/kg	195	10	02/02/18 13:00	02/06/18 17:47	115-90-2	
Fenthion	**<48.5**	ug/kg	97.3	10	02/02/18 13:00	02/06/18 17:47	55-38-9	
Malathion	**<97.3**	ug/kg	195	10	02/02/18 13:00	02/06/18 17:47	121-75-5	
Methyl parathion	**<48.5**	ug/kg	97.3	10	02/02/18 13:00	02/06/18 17:47	298-00-0	
Mevinphos	**<57.6**	ug/kg	97.3	10	02/02/18 13:00	02/06/18 17:47	7786-34-7	
Parathion (Ethyl parathion)	**<97.3**	ug/kg	195	10	02/02/18 13:00	02/06/18 17:47	56-38-2	
Phorate	**<48.5**	ug/kg	97.3	10	02/02/18 13:00	02/06/18 17:47	298-02-2	
Ronnel	**<48.5**	ug/kg	97.3	10	02/02/18 13:00	02/06/18 17:47	299-84-3	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: FLOOR DRAIN SEDIMENT **Lab ID: 60262831015** Collected: 01/26/18 08:50 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546							
Sulfotep (Thiodiphosphoric Ac	**<48.5**	ug/kg	97.3	10	02/02/18 13:00	02/06/18 17:47	3689-24-5	
Tokuthion (Prothiofos)	**<48.5**	ug/kg	97.3	10	02/02/18 13:00	02/06/18 17:47	34643-46-4	
Trichloronate	**<97.3**	ug/kg	195	10	02/02/18 13:00	02/06/18 17:47	327-98-0	
Total Demeton	**<79.8**	ug/kg	97.3	10	02/02/18 13:00	02/06/18 17:47	8065-48-3	N2
Total Merphos	**<97.3**	ug/kg	389	10	02/02/18 13:00	02/06/18 17:47	150-50-5	N2
Surrogates								
Triphenylphosphate (S)	49	%.	11-137	10	02/02/18 13:00	02/06/18 18:14	115-86-6	
Tributylphosphate (S)	71	%.	17-125	10	02/02/18 13:00	02/06/18 18:14	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546							
2,4-D	**<488**	ug/kg	488	100	02/06/18 12:15	02/07/18 18:22	94-75-7	
Dalapon	**<488**	ug/kg	488	100	02/06/18 12:15	02/07/18 18:22	75-99-0	
2,4-DB	**<488**	ug/kg	488	100	02/06/18 12:15	02/07/18 18:22	94-82-6	
Dicamba	**<488**	ug/kg	488	100	02/06/18 12:15	02/07/18 18:22	1918-00-9	
Dichloroprop	**<488**	ug/kg	488	100	02/06/18 12:15	02/07/18 18:22	15165-67-0	
Dinoseb	**<488**	ug/kg	488	100	02/06/18 12:15	02/07/18 18:22	88-85-7	
MCPA	**<48800**	ug/kg	48800	100	02/06/18 12:15	02/07/18 18:22	94-74-6	
MCPP	**<48800**	ug/kg	48800	100	02/06/18 12:15	02/07/18 18:22	7085-19-0	
2,4,5-T	**<488**	ug/kg	488	100	02/06/18 12:15	02/07/18 18:22	93-76-5	
2,4,5-TP (Silvex)	**<488**	ug/kg	488	100	02/06/18 12:15	02/07/18 18:22	93-72-1	
Surrogates								
2,4-DCAA (S)	182	%.	10-188	100	02/06/18 12:15	02/07/18 18:22	19719-28-9	D3
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**187**	mg/kg	1.8	1	01/30/18 14:45	02/06/18 16:13	7440-38-2	
Barium	**1580**	mg/kg	0.88	1	01/30/18 14:45	02/06/18 16:13	7440-39-3	
Cadmium	**2.1**	mg/kg	0.88	1	01/30/18 14:45	02/06/18 16:13	7440-43-9	
Chromium	**59.2**	mg/kg	0.88	1	01/30/18 14:45	02/06/18 16:13	7440-47-3	
Lead	**173**	mg/kg	0.88	1	01/30/18 14:45	02/06/18 16:13	7439-92-1	
Selenium	**2.2J**	mg/kg	2.6	1	01/30/18 14:45	02/06/18 16:13	7782-49-2	
Silver	**0.48J**	mg/kg	1.2	1	01/30/18 14:45	02/06/18 16:13	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.63**	mg/kg	0.082	1	02/02/18 09:59	02/02/18 14:41	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	**<2000**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	83-32-9	
Acenaphthylene	**<1770**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	208-96-8	
Anthracene	**<2000**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	120-12-7	
Benzo(a)anthracene	**<1710**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	56-55-3	
Benzo(a)pyrene	**<1480**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	50-32-8	
Benzo(b)fluoranthene	**2080J**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	205-99-2	
Benzo(g,h,i)perylene	**<1820**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	191-24-2	
Benzo(k)fluoranthene	**<2220**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	207-08-9	
Benzoic acid	**<1770**	ug/kg	95200	5	01/30/18 15:00	02/01/18 12:43	65-85-0	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: FLOOR DRAIN SEDIMENT **Lab ID: 60262831015** Collected: 01/26/18 08:50 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Benzyl alcohol	**<5870**	ug/kg	37600	5	01/30/18 15:00	02/01/18 12:43	100-51-6	
4-Bromophenylphenyl ether	**<1480**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	101-55-3	
Butylbenzylphthalate	**<2450**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	85-68-7	
Carbazole	**<1540**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	86-74-8	
4-Chloro-3-methylphenol	**<2050**	ug/kg	37600	5	01/30/18 15:00	02/01/18 12:43	59-50-7	
4-Chloroaniline	**<3710**	ug/kg	37600	5	01/30/18 15:00	02/01/18 12:43	106-47-8	
bis(2-Chloroethoxy)methane	**<1480**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	111-91-1	
bis(2-Chloroethyl) ether	**<1480**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	111-44-4	
bis(2-Chloroisopropyl) ether	**<1480**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	39638-32-9	
2-Chloronaphthalene	**<1600**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	91-58-7	
2-Chlorophenol	**<1540**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	95-57-8	
4-Chlorophenylphenyl ether	**<1820**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	7005-72-3	
Chrysene	**<1600**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	218-01-9	
Dibenz(a,h)anthracene	**<1710**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	53-70-3	
Dibenzofuran	**<1710**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	132-64-9	
1,2-Dichlorobenzene	**<1430**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	95-50-1	
1,3-Dichlorobenzene	**<1600**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	541-73-1	
1,4-Dichlorobenzene	**5560J**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	106-46-7	
3,3'-Dichlorobenzidine	**<6440**	ug/kg	37600	5	01/30/18 15:00	02/01/18 12:43	91-94-1	
2,4-Dichlorophenol	**<1710**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	120-83-2	
Diethylphthalate	**<1770**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	84-66-2	
2,4-Dimethylphenol	**<1030**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	105-67-9	
Dimethylphthalate	**<1820**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	131-11-3	
Di-n-butylphthalate	**<2000**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	84-74-2	
4,6-Dinitro-2-methylphenol	**<2510**	ug/kg	95200	5	01/30/18 15:00	02/01/18 12:43	534-52-1	
2,4-Dinitrophenol	**<2740**	ug/kg	95200	5	01/30/18 15:00	02/01/18 12:43	51-28-5	
2,4-Dinitrotoluene	**<1600**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	121-14-2	
2,6-Dinitrotoluene	**<1940**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	606-20-2	
Di-n-octylphthalate	**<2220**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	117-84-0	
bis(2-Ethylhexyl)phthalate	**9200J**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	117-81-7	
Fluoranthene	**<1770**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	206-44-0	
Fluorene	**<1770**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	86-73-7	
Hexachloro-1,3-butadiene	**<1880**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	87-68-3	
Hexachlorobenzene	**<1820**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	118-74-1	
Hexachlorocyclopentadiene	**<3990**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	77-47-4	
Hexachloroethane	**<1430**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	67-72-1	
Indeno(1,2,3-cd)pyrene	**<2050**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	193-39-5	
Isophorone	**<1710**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	78-59-1	
2-Methylnaphthalene	**8290J**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	91-57-6	
2-Methylphenol(o-Cresol)	**<1770**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<2050**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43		
Naphthalene	**<1480**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	91-20-3	
2-Nitroaniline	**<3190**	ug/kg	37600	5	01/30/18 15:00	02/01/18 12:43	88-74-4	
3-Nitroaniline	**<5700**	ug/kg	37600	5	01/30/18 15:00	02/01/18 12:43	99-09-2	
4-Nitroaniline	**<4850**	ug/kg	37600	5	01/30/18 15:00	02/01/18 12:43	100-01-6	
Nitrobenzene	**<1770**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	98-95-3	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: FLOOR DRAIN SEDIMENT **Lab ID: 60262831015** Collected: 01/26/18 08:50 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Nitrophenol	**<2620**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	88-75-5	
4-Nitrophenol	**<2960**	ug/kg	95200	5	01/30/18 15:00	02/01/18 12:43	100-02-7	
N-Nitroso-di-n-propylamine	**<1880**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	621-64-7	
N-Nitrosodiphenylamine	**<1480**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	86-30-6	
Pentachlorophenol	**<1770**	ug/kg	95200	5	01/30/18 15:00	02/01/18 12:43	87-86-5	
Phenanthrene	**<1770**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	85-01-8	
Phenol	**<1480**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	108-95-2	
Pyrene	**<1880**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	129-00-0	
Pyridine	**<1540**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	110-86-1	
1,2,4-Trichlorobenzene	**<1710**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	120-82-1	
2,4,5-Trichlorophenol	**<1710**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	95-95-4	
2,4,6-Trichlorophenol	**<1770**	ug/kg	18800	5	01/30/18 15:00	02/01/18 12:43	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	76	%	41-114	5	01/30/18 15:00	02/01/18 12:43	4165-60-0	D3
2-Fluorobiphenyl (S)	87	%	61-109	5	01/30/18 15:00	02/01/18 12:43	321-60-8	
Terphenyl-d14 (S)	94	%	48-120	5	01/30/18 15:00	02/01/18 12:43	1718-51-0	
Phenol-d6 (S)	79	%	48-102	5	01/30/18 15:00	02/01/18 12:43	13127-88-3	
2-Fluorophenol (S)	78	%	46-102	5	01/30/18 15:00	02/01/18 12:43	367-12-4	
2,4,6-Tribromophenol (S)	95	%	39-114	5	01/30/18 15:00	02/01/18 12:43	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
TPH-ORO	**9360**	mg/kg	1710	10	01/30/18 15:00	02/01/18 14:20		
TPH-DRO	**6230**	mg/kg	1710	10	01/30/18 15:00	02/01/18 14:20		
Surrogates								
Nitrobenzene-d5 (S)	0	%	41-114	10	01/30/18 15:00	02/01/18 14:20	4165-60-0	S4
2-Fluorobiphenyl (S)	0	%	61-109	10	01/30/18 15:00	02/01/18 14:20	321-60-8	S4
Terphenyl-d14 (S)	0	%	48-120	10	01/30/18 15:00	02/01/18 14:20	1718-51-0	S4
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260							
TPH-GRO	**<0.71**	mg/kg	1.4	1		02/06/18 19:02		
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	**171**	ug/kg	56.8	1		02/06/18 19:02	67-64-1	
Benzene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	71-43-2	
Bromobenzene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	108-86-1	
Bromochloromethane	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	74-97-5	
Bromodichloromethane	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	75-27-4	
Bromoform	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	75-25-2	
Bromomethane	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	74-83-9	
2-Butanone (MEK)	**42.2**	ug/kg	28.4	1		02/06/18 19:02	78-93-3	
n-Butylbenzene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	104-51-8	
sec-Butylbenzene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	135-98-8	
tert-Butylbenzene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	98-06-6	
Carbon disulfide	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	75-15-0	
Carbon tetrachloride	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	56-23-5	
Chlorobenzene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	108-90-7	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: FLOOR DRAIN SEDIMENT **Lab ID: 60262831015** Collected: 01/26/18 08:50 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Chloroethane	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	75-00-3	
Chloroform	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	67-66-3	
Chloromethane	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	74-87-3	
2-Chlorotoluene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	95-49-8	
4-Chlorotoluene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	106-43-4	
1,2-Dibromo-3-chloropropane	**<14.2**	ug/kg	28.4	1		02/06/18 19:02	96-12-8	
Dibromochloromethane	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	124-48-1	
1,2-Dibromoethane (EDB)	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	106-93-4	
Dibromomethane	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	74-95-3	
1,2-Dichlorobenzene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	95-50-1	
1,3-Dichlorobenzene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	541-73-1	
1,4-Dichlorobenzene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	106-46-7	
Dichlorodifluoromethane	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	75-71-8	
1,1-Dichloroethane	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	75-34-3	
1,2-Dichloroethane	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	107-06-2	
1,2-Dichloroethene (Total)	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	540-59-0	
1,1-Dichloroethene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	75-35-4	
cis-1,2-Dichloroethene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	156-59-2	
trans-1,2-Dichloroethene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	156-60-5	
1,2-Dichloropropane	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	78-87-5	
1,3-Dichloropropane	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	142-28-9	
2,2-Dichloropropane	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	594-20-7	
1,1-Dichloropropene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	563-58-6	
cis-1,3-Dichloropropene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	10061-01-5	
trans-1,3-Dichloropropene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	10061-02-6	
Ethylbenzene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	100-41-4	
Hexachloro-1,3-butadiene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	87-68-3	
2-Hexanone	**<28.4**	ug/kg	56.8	1		02/06/18 19:02	591-78-6	
Isopropylbenzene (Cumene)	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	98-82-8	
p-Isopropyltoluene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	99-87-6	
Methylene chloride	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<14.2**	ug/kg	28.4	1		02/06/18 19:02	108-10-1	
Methyl-tert-butyl ether	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	1634-04-4	
Naphthalene	**<14.2**	ug/kg	28.4	1		02/06/18 19:02	91-20-3	
n-Propylbenzene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	103-65-1	
Styrene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	100-42-5	
1,1,1,2-Tetrachloroethane	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	630-20-6	
1,1,2,2-Tetrachloroethane	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	79-34-5	
Tetrachloroethene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	127-18-4	
Toluene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	108-88-3	
1,2,3-Trichlorobenzene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	87-61-6	
1,2,4-Trichlorobenzene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	120-82-1	
1,1,1-Trichloroethane	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	71-55-6	
1,1,2-Trichloroethane	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	79-00-5	
Trichloroethene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	79-01-6	
Trichlorofluoromethane	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	75-69-4	

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(913)599-5665

ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: FLOOR DRAIN SEDIMENT **Lab ID: 60262831015** Collected: 01/26/18 08:50 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
1,2,3-Trichloropropane	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	96-18-4	
1,2,4-Trimethylbenzene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	95-63-6	
1,3,5-Trimethylbenzene	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	108-67-8	
Vinyl chloride	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	75-01-4	
Xylene (Total)	**<7.1**	ug/kg	14.2	1		02/06/18 19:02	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	78-122	1		02/06/18 19:02	2037-26-5	
4-Bromofluorobenzene (S)	103	%	69-133	1		02/06/18 19:02	460-00-4	
1,2-Dichloroethane-d4 (S)	118	%	80-123	1		02/06/18 19:02	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974							
Percent Moisture	**49.4**	%	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**7.0**	Std. Units	0.10	1		02/01/18 14:00		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056							
Sulfate	**1500**	mg/kg	196	10	02/05/18 08:00	02/06/18 07:10	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056							
Nitrate as N	**<9.8**	mg/kg	19.6	10	02/05/18 19:33	02/06/18 07:10	14797-55-8	
Nitrite as N	**<9.8**	mg/kg	19.6	10	02/05/18 19:33	02/06/18 07:10	14797-65-0	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: FLOOR SWEEPING **Lab ID: 60262831016** Collected: 01/26/18 09:00 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3546							
Aldrin	**<10.2**	ug/kg	28.8	10	02/02/18 13:00	02/06/18 19:49	309-00-2	
alpha-BHC	**<4.6**	ug/kg	28.8	10	02/02/18 13:00	02/06/18 19:49	319-84-6	
beta-BHC	**<15.2**	ug/kg	48.0	10	02/02/18 13:00	02/06/18 19:49	319-85-7	
delta-BHC	**<13.8**	ug/kg	40.4	10	02/02/18 13:00	02/06/18 19:49	319-86-8	
gamma-BHC (Lindane)	**631**	ug/kg	40.4	10	02/02/18 13:00	02/06/18 19:49	58-89-9	
Chlordane (Technical)	**21300J**	ug/kg	21600	50	02/02/18 13:00	02/06/18 19:34	57-74-9	
alpha-Chlordane	**2960**	ug/kg	240	50	02/02/18 13:00	02/06/18 19:34	5103-71-9	
gamma-Chlordane	**4820**	ug/kg	240	50	02/02/18 13:00	02/06/18 19:34	5103-74-2	
4,4'-DDD	**198**	ug/kg	28.8	10	02/02/18 13:00	02/06/18 19:49	72-54-8	
4,4'-DDE	**268**	ug/kg	28.8	10	02/02/18 13:00	02/06/18 19:49	72-55-9	
4,4'-DDT	**582**	ug/kg	40.4	10	02/02/18 13:00	02/06/18 19:49	50-29-3	
Dieldrin	**<12.5**	ug/kg	40.4	10	02/02/18 13:00	02/06/18 19:49	60-57-1	
Endosulfan I	**77.7**	ug/kg	40.4	10	02/02/18 13:00	02/06/18 19:49	959-98-8	
Endosulfan II	**<9.3**	ug/kg	28.8	10	02/02/18 13:00	02/06/18 19:49	33213-65-9	
Endosulfan sulfate	**<13.3**	ug/kg	40.4	10	02/02/18 13:00	02/06/18 19:49	1031-07-8	
Endrin	**<13.4**	ug/kg	48.0	10	02/02/18 13:00	02/06/18 19:49	72-20-8	
Endrin aldehyde	**<13.4**	ug/kg	40.4	10	02/02/18 13:00	02/06/18 19:49	7421-93-4	
Endrin ketone	**<15.9**	ug/kg	57.7	10	02/02/18 13:00	02/06/18 19:49	53494-70-5	
Heptachlor	**<22.0**	ug/kg	57.7	10	02/02/18 13:00	02/06/18 19:49	76-44-8	
Heptachlor epoxide	**<57.6**	ug/kg	144	10	02/02/18 13:00	02/06/18 19:49	1024-57-3	
Methoxychlor	**71.1**	ug/kg	57.7	10	02/02/18 13:00	02/06/18 19:49	72-43-5	
Toxaphene	**<1500**	ug/kg	4330	10	02/02/18 13:00	02/06/18 19:49	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	156	%.	70-130	10	02/02/18 13:00	02/06/18 19:49	877-09-8	S2
Decachlorobiphenyl (S)	130	%.	70-130	10	02/02/18 13:00	02/06/18 19:49	2051-24-3	
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546							
Stirophos (Tetrachlorvinphos)	**<96.0**	ug/kg	192	10	02/02/18 13:00	02/06/18 18:14	22248-79-9	
Azinphos, methyl (Guthion)	**<96.0**	ug/kg	192	10	02/02/18 13:00	02/06/18 18:14	86-50-0	
Bolstar	**<96.0**	ug/kg	192	10	02/02/18 13:00	02/06/18 18:14	35400-43-2	
Chlorpyrifos	**24400**	ug/kg	960	50	02/02/18 13:00	02/08/18 22:06	2921-88-2	
Coumaphos	**<96.0**	ug/kg	192	10	02/02/18 13:00	02/06/18 18:14	56-72-4	
Diazinon	**114J**	ug/kg	192	10	02/02/18 13:00	02/06/18 18:14	333-41-5	
Dichlorvos	**<47.9**	ug/kg	96.0	10	02/02/18 13:00	02/06/18 18:14	62-73-7	
Dimethoate	**<96.0**	ug/kg	192	10	02/02/18 13:00	02/06/18 18:14	60-51-5	
Disulfoton	**<47.9**	ug/kg	96.0	10	02/02/18 13:00	02/06/18 18:14	298-04-4	
EPN (ENT)	**<61.1**	ug/kg	96.0	10	02/02/18 13:00	02/06/18 18:14	2104-64-5	
Ethoprop	**<47.9**	ug/kg	96.0	10	02/02/18 13:00	02/06/18 18:14	13194-48-4	
Fensulfothion	**<96.0**	ug/kg	192	10	02/02/18 13:00	02/06/18 18:14	115-90-2	
Fenthion	**<47.9**	ug/kg	96.0	10	02/02/18 13:00	02/06/18 18:14	55-38-9	
Malathion	**<96.0**	ug/kg	192	10	02/02/18 13:00	02/06/18 18:14	121-75-5	
Methyl parathion	**<47.9**	ug/kg	96.0	10	02/02/18 13:00	02/06/18 18:14	298-00-0	
Mevinphos	**<56.8**	ug/kg	96.0	10	02/02/18 13:00	02/06/18 18:14	7786-34-7	
Parathion (Ethyl parathion)	**<96.0**	ug/kg	192	10	02/02/18 13:00	02/06/18 18:14	56-38-2	
Phorate	**<47.9**	ug/kg	96.0	10	02/02/18 13:00	02/06/18 18:14	298-02-2	
Ronnel	**<47.9**	ug/kg	96.0	10	02/02/18 13:00	02/06/18 18:14	299-84-3	

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(913)599-5665

ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: FLOOR SWEEPING **Lab ID: 60262831016** Collected: 01/26/18 09:00 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141A Preparation Method: EPA 3546							
Sulfotep (Thiodiphosphoric Ac	**<47.9**	ug/kg	96.0	10	02/02/18 13:00	02/06/18 18:14	3689-24-5	
Tokuthion (Prothiofos)	**<47.9**	ug/kg	96.0	10	02/02/18 13:00	02/06/18 18:14	34643-46-4	
Trichloronate	**<96.0**	ug/kg	192	10	02/02/18 13:00	02/06/18 18:14	327-98-0	
Total Demeton	**<78.7**	ug/kg	96.0	10	02/02/18 13:00	02/06/18 18:14	8065-48-3	N2
Total Merphos	**<96.0**	ug/kg	384	10	02/02/18 13:00	02/06/18 18:14	150-50-5	N2
Surrogates								
Triphenylphosphate (S)	226	%.	11-137	10	02/02/18 13:00	02/06/18 18:14	115-86-6	S4
Tributylphosphate (S)	161	%.	17-125	10	02/02/18 13:00	02/06/18 18:14	126-73-8	S4
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 3546							
2,4-D	**<482**	ug/kg	482	100	02/06/18 12:15	02/07/18 18:46	94-75-7	
Dalapon	**<482**	ug/kg	482	100	02/06/18 12:15	02/07/18 18:46	75-99-0	
2,4-DB	**<482**	ug/kg	482	100	02/06/18 12:15	02/07/18 18:46	94-82-6	
Dicamba	**<482**	ug/kg	482	100	02/06/18 12:15	02/07/18 18:46	1918-00-9	
Dichloroprop	**<482**	ug/kg	482	100	02/06/18 12:15	02/07/18 18:46	15165-67-0	
Dinoseb	**<482**	ug/kg	482	100	02/06/18 12:15	02/07/18 18:46	88-85-7	
MCPA	**<48200**	ug/kg	48200	100	02/06/18 12:15	02/07/18 18:46	94-74-6	
MCPP	**<48200**	ug/kg	48200	100	02/06/18 12:15	02/07/18 18:46	7085-19-0	
2,4,5-T	**<482**	ug/kg	482	100	02/06/18 12:15	02/07/18 18:46	93-76-5	
2,4,5-TP (Silvex)	**<482**	ug/kg	482	100	02/06/18 12:15	02/07/18 18:46	93-72-1	
Surrogates								
2,4-DCAA (S)	114	%.	10-188	100	02/06/18 12:15	02/07/18 18:46	19719-28-9	D3
6010 MET ICP Red. Interference	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**14.1**	mg/kg	1.7	1	01/30/18 14:45	02/06/18 16:17	7440-38-2	
Barium	**115**	mg/kg	0.84	1	01/30/18 14:45	02/06/18 16:17	7440-39-3	
Cadmium	**3.3**	mg/kg	0.84	1	01/30/18 14:45	02/06/18 16:17	7440-43-9	
Chromium	**32.6**	mg/kg	0.84	1	01/30/18 14:45	02/06/18 16:17	7440-47-3	
Lead	**857**	mg/kg	0.84	1	01/30/18 14:45	02/06/18 16:17	7439-92-1	
Selenium	**1.3J**	mg/kg	2.5	1	01/30/18 14:45	02/06/18 16:17	7782-49-2	
Silver	**0.67J**	mg/kg	1.2	1	01/30/18 14:45	02/06/18 16:17	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**2.6**	mg/kg	0.16	2	02/02/18 09:59	02/02/18 15:06	7439-97-6	
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	**<1830**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	83-32-9	M1
Acenaphthylene	**<1620**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	208-96-8	M1
Anthracene	**<1830**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	120-12-7	
Benzo(a)anthracene	**<1570**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	56-55-3	
Benzo(a)pyrene	**<1360**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	50-32-8	
Benzo(b)fluoranthene	**<1210**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	205-99-2	
Benzo(g,h,i)perylene	**<1680**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	191-24-2	
Benzo(k)fluoranthene	**<2040**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	207-08-9	
Benzoic acid	**<1620**	ug/kg	87500	5	01/30/18 15:00	02/01/18 13:04	65-85-0	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: FLOOR SWEEPING **Lab ID: 60262831016** Collected: 01/26/18 09:00 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Benzyl alcohol	**<5400**	ug/kg	34600	5	01/30/18 15:00	02/01/18 13:04	100-51-6	M1
4-Bromophenylphenyl ether	**<1360**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	101-55-3	M1
Butylbenzylphthalate	**<2250**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	85-68-7	
Carbazole	**<1410**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	86-74-8	M1
4-Chloro-3-methylphenol	**<1890**	ug/kg	34600	5	01/30/18 15:00	02/01/18 13:04	59-50-7	M1
4-Chloroaniline	**<3410**	ug/kg	34600	5	01/30/18 15:00	02/01/18 13:04	106-47-8	
bis(2-Chloroethoxy)methane	**<1360**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	111-91-1	M1
bis(2-Chloroethyl) ether	**<1360**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	111-44-4	M1
bis(2-Chloroisopropyl) ether	**<1360**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	39638-32-9	M1
2-Chloronaphthalene	**<1470**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	91-58-7	M1
2-Chlorophenol	**<1410**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	95-57-8	M1
4-Chlorophenylphenyl ether	**<1680**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	7005-72-3	M1
Chrysene	**<1470**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	218-01-9	
Dibenz(a,h)anthracene	**<1570**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	53-70-3	
Dibenzofuran	**<1570**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	132-64-9	M1
1,2-Dichlorobenzene	**<1310**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	95-50-1	M1
1,3-Dichlorobenzene	**<1470**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	541-73-1	M1
1,4-Dichlorobenzene	**<1520**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	106-46-7	M1
3,3'-Dichlorobenzidine	**<5920**	ug/kg	34600	5	01/30/18 15:00	02/01/18 13:04	91-94-1	M1
2,4-Dichlorophenol	**<1570**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	120-83-2	M1
Diethylphthalate	**<1620**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	84-66-2	M1
2,4-Dimethylphenol	**<943**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	105-67-9	
Dimethylphthalate	**<1680**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	131-11-3	M1
Di-n-butylphthalate	**<1830**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	84-74-2	
4,6-Dinitro-2-methylphenol	**<2310**	ug/kg	87500	5	01/30/18 15:00	02/01/18 13:04	534-52-1	M1
2,4-Dinitrophenol	**<2520**	ug/kg	87500	5	01/30/18 15:00	02/01/18 13:04	51-28-5	M1
2,4-Dinitrotoluene	**<1470**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	121-14-2	
2,6-Dinitrotoluene	**<1780**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	606-20-2	
Di-n-octylphthalate	**<2040**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	117-84-0	
bis(2-Ethylhexyl)phthalate	**<5970**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	117-81-7	
Fluoranthene	**<1620**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	206-44-0	
Fluorene	**<1620**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	86-73-7	
Hexachloro-1,3-butadiene	**<1730**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	87-68-3	M1
Hexachlorobenzene	**<1680**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	118-74-1	M1
Hexachlorocyclopentadiene	**<3670**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	77-47-4	M1
Hexachloroethane	**<1310**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	67-72-1	M1
Indeno(1,2,3-cd)pyrene	**<1890**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	193-39-5	
Isophorone	**<1570**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	78-59-1	M1
2-Methylnaphthalene	**<1260**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	91-57-6	M1
2-Methylphenol(o-Cresol)	**<1620**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<1890**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04		
Naphthalene	**<1360**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	91-20-3	M1
2-Nitroaniline	**<2930**	ug/kg	34600	5	01/30/18 15:00	02/01/18 13:04	88-74-4	
3-Nitroaniline	**<5240**	ug/kg	34600	5	01/30/18 15:00	02/01/18 13:04	99-09-2	
4-Nitroaniline	**<4450**	ug/kg	34600	5	01/30/18 15:00	02/01/18 13:04	100-01-6	
Nitrobenzene	**<1620**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	98-95-3	M1

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: FLOOR SWEEPING **Lab ID: 60262831016** Collected: 01/26/18 09:00 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatiles	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2-Nitrophenol	**<2410**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	88-75-5	
4-Nitrophenol	**<2730**	ug/kg	87500	5	01/30/18 15:00	02/01/18 13:04	100-02-7	
N-Nitroso-di-n-propylamine	**<1730**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	621-64-7	M1
N-Nitrosodiphenylamine	**<1360**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	86-30-6	
Pentachlorophenol	**<1620**	ug/kg	87500	5	01/30/18 15:00	02/01/18 13:04	87-86-5	
Phenanthrene	**<1620**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	85-01-8	M1
Phenol	**<1360**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	108-95-2	M1
Pyrene	**<1730**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	129-00-0	
Pyridine	**<1410**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	110-86-1	
1,2,4-Trichlorobenzene	**<1570**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	120-82-1	M1
2,4,5-Trichlorophenol	**<1570**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	95-95-4	M1
2,4,6-Trichlorophenol	**<1620**	ug/kg	17300	5	01/30/18 15:00	02/01/18 13:04	88-06-2	M1
Surrogates								
Nitrobenzene-d5 (S)	35	%	41-114	5	01/30/18 15:00	02/01/18 13:04	4165-60-0	D3,S2
2-Fluorobiphenyl (S)	36	%	61-109	5	01/30/18 15:00	02/01/18 13:04	321-60-8	S2
Terphenyl-d14 (S)	39	%	48-120	5	01/30/18 15:00	02/01/18 13:04	1718-51-0	S2
Phenol-d6 (S)	34	%	48-102	5	01/30/18 15:00	02/01/18 13:04	13127-88-3	S2
2-Fluorophenol (S)	33	%	46-102	5	01/30/18 15:00	02/01/18 13:04	367-12-4	S2
2,4,6-Tribromophenol (S)	36	%	39-114	5	01/30/18 15:00	02/01/18 13:04	118-79-6	S2
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
TPH-ORO	**29800**	mg/kg	1670	10	01/30/18 15:00	02/01/18 14:41		
TPH-DRO	**5410**	mg/kg	1670	10	01/30/18 15:00	02/01/18 14:41		
Surrogates								
Nitrobenzene-d5 (S)	0	%	41-114	10	01/30/18 15:00	02/01/18 14:41	4165-60-0	S4
2-Fluorobiphenyl (S)	0	%	61-109	10	01/30/18 15:00	02/01/18 14:41	321-60-8	S4
Terphenyl-d14 (S)	0	%	48-120	10	01/30/18 15:00	02/01/18 14:41	1718-51-0	S4
8260 MSV GRO and Oxygenates	Analytical Method: EPA 5035A/8260							
TPH-GRO	**<0.62**	mg/kg	1.2	1		02/07/18 15:10		
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	**639**	ug/kg	49.4	1		02/07/18 15:10	67-64-1	
Benzene	**18.2**	ug/kg	12.4	1		02/07/18 15:10	71-43-2	
Bromobenzene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	108-86-1	
Bromochloromethane	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	74-97-5	
Bromodichloromethane	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	75-27-4	
Bromoform	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	75-25-2	
Bromomethane	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	74-83-9	
2-Butanone (MEK)	**105**	ug/kg	24.7	1		02/07/18 15:10	78-93-3	
n-Butylbenzene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	104-51-8	
sec-Butylbenzene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	135-98-8	
tert-Butylbenzene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	98-06-6	
Carbon disulfide	**24.0**	ug/kg	12.4	1		02/07/18 15:10	75-15-0	
Carbon tetrachloride	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	56-23-5	
Chlorobenzene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	108-90-7	

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(913)599-5665

ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: FLOOR SWEEPING **Lab ID: 60262831016** Collected: 01/26/18 09:00 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Chloroethane	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	75-00-3	
Chloroform	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	67-66-3	
Chloromethane	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	74-87-3	
2-Chlorotoluene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	95-49-8	
4-Chlorotoluene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	106-43-4	
1,2-Dibromo-3-chloropropane	**<12.4**	ug/kg	24.7	1		02/07/18 15:10	96-12-8	
Dibromochloromethane	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	124-48-1	
1,2-Dibromoethane (EDB)	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	106-93-4	
Dibromomethane	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	74-95-3	
1,2-Dichlorobenzene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	95-50-1	
1,3-Dichlorobenzene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	541-73-1	
1,4-Dichlorobenzene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	106-46-7	
Dichlorodifluoromethane	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	75-71-8	
1,1-Dichloroethane	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	75-34-3	
1,2-Dichloroethane	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	107-06-2	
1,2-Dichloroethene (Total)	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	540-59-0	
1,1-Dichloroethene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	75-35-4	
cis-1,2-Dichloroethene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	156-59-2	
trans-1,2-Dichloroethene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	156-60-5	
1,2-Dichloropropane	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	78-87-5	
1,3-Dichloropropane	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	142-28-9	
2,2-Dichloropropane	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	594-20-7	
1,1-Dichloropropene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	563-58-6	
cis-1,3-Dichloropropene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	10061-01-5	
trans-1,3-Dichloropropene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	10061-02-6	
Ethylbenzene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	100-41-4	
Hexachloro-1,3-butadiene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	87-68-3	
2-Hexanone	**<24.7**	ug/kg	49.4	1		02/07/18 15:10	591-78-6	
Isopropylbenzene (Cumene)	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	98-82-8	
p-Isopropyltoluene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	99-87-6	
Methylene chloride	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<12.4**	ug/kg	24.7	1		02/07/18 15:10	108-10-1	
Methyl-tert-butyl ether	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	1634-04-4	
Naphthalene	**<12.4**	ug/kg	24.7	1		02/07/18 15:10	91-20-3	
n-Propylbenzene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	103-65-1	
Styrene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	100-42-5	
1,1,1,2-Tetrachloroethane	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	630-20-6	
1,1,2,2-Tetrachloroethane	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	79-34-5	
Tetrachloroethene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	127-18-4	
Toluene	**12.3J**	ug/kg	12.4	1		02/07/18 15:10	108-88-3	
1,2,3-Trichlorobenzene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	87-61-6	
1,2,4-Trichlorobenzene	**10.7J**	ug/kg	12.4	1		02/07/18 15:10	120-82-1	
1,1,1-Trichloroethane	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	71-55-6	
1,1,2-Trichloroethane	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	79-00-5	
Trichloroethene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	79-01-6	
Trichlorofluoromethane	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	75-69-4	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: FLOOR SWEEPING **Lab ID: 60262831016** Collected: 01/26/18 09:00 Received: 01/26/18 10:25 Matrix: Solid

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

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
1,2,3-Trichloropropane	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	96-18-4	
1,2,4-Trimethylbenzene	**10.8J**	ug/kg	12.4	1		02/07/18 15:10	95-63-6	
1,3,5-Trimethylbenzene	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	108-67-8	
Vinyl chloride	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	75-01-4	
Xylene (Total)	**<6.2**	ug/kg	12.4	1		02/07/18 15:10	1330-20-7	
Surrogates								
Toluene-d8 (S)	121	%	78-122	1		02/07/18 15:10	2037-26-5	3e
4-Bromofluorobenzene (S)	152	%	69-133	1		02/07/18 15:10	460-00-4	S1
1,2-Dichloroethane-d4 (S)	122	%	80-123	1		02/07/18 15:10	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974							
Percent Moisture	**48.5**	%	0.50	1		01/31/18 00:00		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**7.3**	Std. Units	0.10	1		02/01/18 14:00		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056							
Sulfate	**353**	mg/kg	189	10	02/05/18 08:00	02/06/18 07:24	14808-79-8	
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056							
Nitrate as N	**24.9**	mg/kg	18.9	10	02/05/18 19:33	02/06/18 07:24	14797-55-8	
Nitrite as N	**<9.4**	mg/kg	18.9	10	02/05/18 19:33	02/06/18 07:24	14797-65-0	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: FLOOR DRAIN WATER **Lab ID: 60262831017** Collected: 01/26/18 10:00 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510							
Aldrin	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:32	309-00-2	
alpha-BHC	**<0.0060**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:32	319-84-6	
beta-BHC	**<0.010**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:32	319-85-7	
delta-BHC	**<0.0090**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:32	319-86-8	
gamma-BHC (Lindane)	**0.40**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:32	58-89-9	
Chlordane (Technical)	**1.3**	ug/L	0.10	1	01/31/18 20:10	02/09/18 17:32	57-74-9	
alpha-Chlordane	**0.14**	ug/L	0.10	1	01/31/18 20:10	02/09/18 17:32	5103-71-9	
gamma-Chlordane	**0.14**	ug/L	0.10	1	01/31/18 20:10	02/09/18 17:32	5103-74-2	
4,4'-DDD	**0.011**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:32	72-54-8	
4,4'-DDE	**0.052**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:32	72-55-9	
4,4'-DDT	**0.036**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:32	50-29-3	
Dieldrin	**<0.0060**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:32	60-57-1	
Endosulfan I	**<0.021**	ug/L	0.10	1	01/31/18 20:10	02/09/18 17:32	959-98-8	
Endosulfan II	**<0.0090**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:32	33213-65-9	
Endosulfan sulfate	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:32	1031-07-8	
Endrin	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:32	72-20-8	
Endrin aldehyde	**<0.029**	ug/L	0.10	1	01/31/18 20:10	02/09/18 17:32	7421-93-4	
Endrin ketone	**<0.025**	ug/L	0.10	1	01/31/18 20:10	02/09/18 17:32	53494-70-5	
Heptachlor	**<0.0050**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:32	76-44-8	
Heptachlor epoxide	**<0.0070**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:32	1024-57-3	
Methoxychlor	**<0.0060**	ug/L	0.010	1	01/31/18 20:10	02/09/18 17:32	72-43-5	
Toxaphene	**<0.61**	ug/L	1.5	1	01/31/18 20:10	02/09/18 17:32	8001-35-2	
Surrogates								
Tetrachloro-m-xylene (S)	86	%.	54-127	1	01/31/18 20:10	02/09/18 17:32	877-09-8	
Decachlorobiphenyl (S)	53	%.	12-162	1	01/31/18 20:10	02/09/18 17:32	2051-24-3	
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510							
Stirophos (Tetrachlorvinphos)	**<0.36**	ug/L	0.50	5	01/31/18 20:10	02/06/18 18:41	22248-79-9	
Azinphos, methyl (Guthion)	**<0.46**	ug/L	0.50	5	01/31/18 20:10	02/06/18 18:41	86-50-0	
Bolstar	**<0.45**	ug/L	0.50	5	01/31/18 20:10	02/06/18 18:41	35400-43-2	
Chlorpyrifos	**0.76**	ug/L	0.50	5	01/31/18 20:10	02/06/18 19:08	2921-88-2	
Coumaphos	**<0.46**	ug/L	0.50	5	01/31/18 20:10	02/06/18 18:41	56-72-4	
Diazinon	**<0.39**	ug/L	0.50	5	01/31/18 20:10	02/06/18 18:41	333-41-5	
Dichlorvos	**<0.36**	ug/L	0.50	5	01/31/18 20:10	02/06/18 18:41	62-73-7	
Dimethoate	**<0.42**	ug/L	0.50	5	01/31/18 20:10	02/06/18 18:41	60-51-5	
Disulfoton	**<0.36**	ug/L	0.50	5	01/31/18 20:10	02/06/18 18:41	298-04-4	
EPN (ENT)	**<0.44**	ug/L	0.50	5	01/31/18 20:10	02/06/18 18:41	2104-64-5	
Ethoprop	**<0.30**	ug/L	0.50	5	01/31/18 20:10	02/06/18 18:41	13194-48-4	
Fensulfothion	**<0.44**	ug/L	0.50	5	01/31/18 20:10	02/06/18 18:41	115-90-2	
Fenthion	**<0.44**	ug/L	0.50	5	01/31/18 20:10	02/06/18 18:41	55-38-9	
Malathion	**<0.43**	ug/L	0.50	5	01/31/18 20:10	02/06/18 18:41	121-75-5	
Methyl parathion	**<0.35**	ug/L	0.50	5	01/31/18 20:10	02/06/18 18:41	298-00-0	
Mevinphos	**<0.32**	ug/L	0.50	5	01/31/18 20:10	02/06/18 18:41	7786-34-7	
Parathion (Ethyl parathion)	**<0.30**	ug/L	0.50	5	01/31/18 20:10	02/06/18 18:41	56-38-2	
Phorate	**<0.32**	ug/L	0.50	5	01/31/18 20:10	02/06/18 18:41	298-02-2	
Ronnel	**<0.44**	ug/L	0.50	5	01/31/18 20:10	02/06/18 18:41	299-84-3	
Sulfotep (Thiodiphosphoric Ac	**<0.30**	ug/L	0.50	5	01/31/18 20:10	02/06/18 18:41	3689-24-5	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: FLOOR DRAIN WATER **Lab ID: 60262831017** Collected: 01/26/18 10:00 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8141 GCS, O/P Pesticides	Analytical Method: EPA 8141A Preparation Method: EPA 3510							
Tokuthion (Prothiofos)	**<0.40**	ug/L	0.50	5	01/31/18 20:10	02/06/18 18:41	34643-46-4	
Trichloronate	**<0.44**	ug/L	0.50	5	01/31/18 20:10	02/06/18 18:41	327-98-0	
Total Demeton	**<0.42**	ug/L	0.50	5	01/31/18 20:10	02/06/18 18:41	8065-48-3	
Total Merphos	**<0.19**	ug/L	0.50	5	01/31/18 20:10	02/06/18 18:41	150-50-5	
Surrogates								
Triphenylphosphate (S)	118	%.	10-175	5	01/31/18 20:10	02/06/18 18:41	115-86-6	
Tributylphosphate (S)	133	%.	20-150	5	01/31/18 20:10	02/06/18 18:41	126-73-8	
8151 Chlorinated Herbicides	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
2,4-D	**10**	ug/L	5.0	10	02/01/18 16:00	02/08/18 13:47	94-75-7	
Dalapon	**<0.25**	ug/L	0.50	1	02/01/18 16:00	02/07/18 12:11	75-99-0	
2,4-DB	**<0.34**	ug/L	0.50	1	02/01/18 16:00	02/07/18 12:11	94-82-6	
Dicamba	**2.5**	ug/L	0.50	1	02/01/18 16:00	02/07/18 12:11	1918-00-9	
Dichloroprop	**22.3**	ug/L	5.0	10	02/01/18 16:00	02/08/18 13:47	15165-67-0	
Dinoseb	**<0.50**	ug/L	0.50	1	02/01/18 16:00	02/07/18 12:11	88-85-7	
MCPA	**<20.0**	ug/L	20.0	1	02/01/18 16:00	02/07/18 12:11	94-74-6	
MCPP	**<20.0**	ug/L	20.0	1	02/01/18 16:00	02/07/18 12:11	7085-19-0	
2,4,5-T	**<0.25**	ug/L	0.50	1	02/01/18 16:00	02/07/18 12:11	93-76-5	
2,4,5-TP (Silvex)	**<0.25**	ug/L	0.50	1	02/01/18 16:00	02/07/18 12:11	93-72-1	
Surrogates								
2,4-DCAA (S)	33	%.	47-166	10	02/01/18 16:00	02/08/18 13:47	19719-28-9	S1
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**11.1**	ug/L	10.0	1	01/30/18 11:15	02/01/18 15:45	7440-38-2	
Barium	**52.3**	ug/L	5.0	1	01/30/18 11:15	02/01/18 15:45	7440-39-3	
Cadmium	**2.3J**	ug/L	5.0	1	01/30/18 11:15	02/01/18 15:45	7440-43-9	
Chromium	**10.6**	ug/L	5.0	1	01/30/18 11:15	02/01/18 15:45	7440-47-3	
Lead	**30.0**	ug/L	5.0	1	01/30/18 11:15	02/01/18 15:45	7439-92-1	
Selenium	**<3.4**	ug/L	15.0	1	01/30/18 11:15	02/01/18 15:45	7782-49-2	
Silver	**<1.9**	ug/L	7.0	1	01/30/18 11:15	02/01/18 15:45	7440-22-4	
6010 MET ICP, Dissolved (LF)	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic, Dissolved	**4.9J**	ug/L	10.0	1	01/30/18 10:10	01/31/18 17:55	7440-38-2	
Barium, Dissolved	**13.8**	ug/L	5.0	1	01/30/18 10:10	01/31/18 17:55	7440-39-3	
Cadmium, Dissolved	**2.1J**	ug/L	5.0	1	01/30/18 10:10	01/31/18 17:55	7440-43-9	
Chromium, Dissolved	**3.0J**	ug/L	5.0	1	01/30/18 10:10	01/31/18 17:55	7440-47-3	
Lead, Dissolved	**<2.4**	ug/L	5.0	1	01/30/18 10:10	01/31/18 17:55	7439-92-1	
Selenium, Dissolved	**<3.4**	ug/L	15.0	1	01/30/18 10:10	01/31/18 17:55	7782-49-2	
Silver, Dissolved	**<1.9**	ug/L	7.0	1	01/30/18 10:10	01/31/18 17:55	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	**0.43**	ug/L	0.20	1	02/08/18 11:51	02/08/18 15:54	7439-97-6	
7470 Mercury, Dissolved (LF)	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury, Dissolved	**<0.046**	ug/L	0.20	1	02/08/18 15:58	02/09/18 11:38	7439-97-6	

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: FLOOR DRAIN WATER **Lab ID: 60262831017** Collected: 01/26/18 10:00 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	**<0.33**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	83-32-9	1e
Acenaphthylene	**<0.35**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	208-96-8	1e
Anthracene	**<0.27**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	120-12-7	1e
Benzo(a)anthracene	**<0.26**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	56-55-3	1e
Benzo(a)pyrene	**<0.33**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	50-32-8	1e
Benzo(b)fluoranthene	**<0.32**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	205-99-2	1e
Benzo(g,h,i)perylene	**<0.36**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	191-24-2	1e
Benzo(k)fluoranthene	**<0.38**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	207-08-9	1e
Benzoic acid	**12.2J**	ug/L	45.5	1	01/26/18 00:00	01/29/18 16:26	65-85-0	1e
Benzyl alcohol	**<0.32**	ug/L	18.2	1	01/26/18 00:00	01/29/18 16:26	100-51-6	1e
4-Bromophenylphenyl ether	**<0.35**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	101-55-3	1e
Butylbenzylphthalate	**<0.36**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	85-68-7	1e
Carbazole	**<0.32**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	86-74-8	1e
4-Chloro-3-methylphenol	**<0.23**	ug/L	18.2	1	01/26/18 00:00	01/29/18 16:26	59-50-7	1e
4-Chloroaniline	**<0.47**	ug/L	18.2	1	01/26/18 00:00	01/29/18 16:26	106-47-8	1e
bis(2-Chloroethoxy)methane	**<4.5**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	111-91-1	1e
bis(2-Chloroethyl) ether	**<0.26**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	111-44-4	1e
bis(2-Chloroisopropyl) ether	**<0.26**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	39638-32-9	1e
2-Chloronaphthalene	**<0.32**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	91-58-7	1e
2-Chlorophenol	**<0.27**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	95-57-8	1e
4-Chlorophenylphenyl ether	**<0.27**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	7005-72-3	1e
Chrysene	**<0.33**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	218-01-9	1e
Dibenz(a,h)anthracene	**<0.41**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	53-70-3	1e
Dibenzofuran	**<0.35**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	132-64-9	1e
1,2-Dichlorobenzene	**<0.26**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	95-50-1	1e
1,3-Dichlorobenzene	**<0.49**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	541-73-1	1e
1,4-Dichlorobenzene	**<0.37**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	106-46-7	1e
3,3'-Dichlorobenzidine	**<0.35**	ug/L	18.2	1	01/26/18 00:00	01/29/18 16:26	91-94-1	1e
2,4-Dichlorophenol	**<0.47**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	120-83-2	1e
Diethylphthalate	**<0.41**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	84-66-2	1e
2,4-Dimethylphenol	**<0.55**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	105-67-9	1e
Dimethylphthalate	**<0.32**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	131-11-3	1e
Di-n-butylphthalate	**<0.35**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	84-74-2	1e
4,6-Dinitro-2-methylphenol	**<0.50**	ug/L	45.5	1	01/26/18 00:00	01/29/18 16:26	534-52-1	1e
2,4-Dinitrophenol	**<7.6**	ug/L	45.5	1	01/26/18 00:00	01/29/18 16:26	51-28-5	1e
2,4-Dinitrotoluene	**<0.30**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	121-14-2	1e
2,6-Dinitrotoluene	**<0.25**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	606-20-2	1e
Di-n-octylphthalate	**<0.45**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	117-84-0	1e
bis(2-Ethylhexyl)phthalate	**<0.56**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	117-81-7	1e
Fluoranthene	**<0.34**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	206-44-0	1e
Fluorene	**<0.31**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	86-73-7	1e
Hexachloro-1,3-butadiene	**<0.35**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	87-68-3	1e
Hexachlorobenzene	**<0.27**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	118-74-1	1e
Hexachlorocyclopentadiene	**<0.32**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	77-47-4	1e
Hexachloroethane	**<0.26**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	67-72-1	1e
Indeno(1,2,3-cd)pyrene	**<0.29**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	193-39-5	1e
Isophorone	**<0.25**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	78-59-1	1e

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: FLOOR DRAIN WATER **Lab ID: 60262831017** Collected: 01/26/18 10:00 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2-Methylnaphthalene	**<0.24**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	91-57-6	1e
2-Methylphenol(o-Cresol)	**<0.25**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	95-48-7	1e
3&4-Methylphenol(m&p Cresol)	**<4.5**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26		1e
Naphthalene	**<0.33**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	91-20-3	1e
2-Nitroaniline	**<0.38**	ug/L	45.5	1	01/26/18 00:00	01/29/18 16:26	88-74-4	1e
3-Nitroaniline	**<0.32**	ug/L	45.5	1	01/26/18 00:00	01/29/18 16:26	99-09-2	1e
4-Nitroaniline	**<0.32**	ug/L	45.5	1	01/26/18 00:00	01/29/18 16:26	100-01-6	1e
Nitrobenzene	**<0.27**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	98-95-3	1e
2-Nitrophenol	**<0.25**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	88-75-5	1e
4-Nitrophenol	**<0.28**	ug/L	45.5	1	01/26/18 00:00	01/29/18 16:26	100-02-7	1e
N-Nitroso-di-n-propylamine	**<0.25**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	621-64-7	1e
N-Nitrosodiphenylamine	**<0.36**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	86-30-6	1e
Pentachlorophenol	**<0.28**	ug/L	45.5	1	01/26/18 00:00	01/29/18 16:26	87-86-5	1e
Phenanthrene	**<0.31**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	85-01-8	1e
Phenol	**<4.5**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	108-95-2	1e
Pyrene	**<0.25**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	129-00-0	1e
Pyridine	**<0.28**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	110-86-1	1e
1,2,4-Trichlorobenzene	**<0.30**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	120-82-1	1e
2,4,5-Trichlorophenol	**<0.30**	ug/L	45.5	1	01/26/18 00:00	01/29/18 16:26	95-95-4	1e
2,4,6-Trichlorophenol	**<0.35**	ug/L	9.1	1	01/26/18 00:00	01/29/18 16:26	88-06-2	1e
Surrogates								
Nitrobenzene-d5 (S)	68	%	33-99	1	01/26/18 00:00	01/29/18 16:26	4165-60-0	
2-Fluorobiphenyl (S)	72	%	30-103	1	01/26/18 00:00	01/29/18 16:26	321-60-8	
Terphenyl-d14 (S)	79	%	38-114	1	01/26/18 00:00	01/29/18 16:26	1718-51-0	
Phenol-d6 (S)	41	%	10-56	1	01/26/18 00:00	01/29/18 16:26	13127-88-3	
2-Fluorophenol (S)	51	%	10-68	1	01/26/18 00:00	01/29/18 16:26	367-12-4	
2,4,6-Tribromophenol (S)	101	%	21-124	1	01/26/18 00:00	01/29/18 16:26	118-79-6	
8270 MSSV DRO/ORO	Analytical Method: EPA 8270 Preparation Method: EPA 3510C							
TPH-ORO	**1.2**	mg/L	0.91	1	01/29/18 15:00	01/31/18 21:40		1e
TPH-DRO	**<0.91**	mg/L	0.91	1	01/29/18 15:00	01/31/18 21:40		1e
Surrogates								
Nitrobenzene-d5 (S)	71	%	33-99	1	01/29/18 15:00	01/31/18 21:40	4165-60-0	
2-Fluorobiphenyl (S)	71	%	30-103	1	01/29/18 15:00	01/31/18 21:40	321-60-8	
Terphenyl-d14 (S)	88	%	38-114	1	01/29/18 15:00	01/31/18 21:40	1718-51-0	
8260 MSV	Analytical Method: EPA 5030B/8260							
Acetone	**7.8J**	ug/L	10.0	1		01/30/18 21:48	67-64-1	
Benzene	**0.13J**	ug/L	1.0	1		01/30/18 21:48	71-43-2	
Bromobenzene	**<0.10**	ug/L	1.0	1		01/30/18 21:48	108-86-1	
Bromochloromethane	**<0.15**	ug/L	1.0	1		01/30/18 21:48	74-97-5	
Bromodichloromethane	**<0.19**	ug/L	1.0	1		01/30/18 21:48	75-27-4	
Bromoform	**<0.070**	ug/L	1.0	1		01/30/18 21:48	75-25-2	
Bromomethane	**<0.16**	ug/L	5.0	1		01/30/18 21:48	74-83-9	
2-Butanone (MEK)	**<0.59**	ug/L	10.0	1		01/30/18 21:48	78-93-3	
n-Butylbenzene	**<0.10**	ug/L	1.0	1		01/30/18 21:48	104-51-8	
sec-Butylbenzene	**<0.050**	ug/L	1.0	1		01/30/18 21:48	135-98-8	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: FLOOR DRAIN WATER **Lab ID: 60262831017** Collected: 01/26/18 10:00 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
tert-Butylbenzene	**<0.34**	ug/L	1.0	1		01/30/18 21:48	98-06-6	
Carbon disulfide	**<0.12**	ug/L	5.0	1		01/30/18 21:48	75-15-0	
Carbon tetrachloride	**<0.18**	ug/L	1.0	1		01/30/18 21:48	56-23-5	
Chlorobenzene	**<0.21**	ug/L	1.0	1		01/30/18 21:48	108-90-7	
Chloroethane	**<0.15**	ug/L	1.0	1		01/30/18 21:48	75-00-3	
Chloroform	**<0.14**	ug/L	1.0	1		01/30/18 21:48	67-66-3	
Chloromethane	**<0.080**	ug/L	1.0	1		01/30/18 21:48	74-87-3	
2-Chlorotoluene	**<0.12**	ug/L	1.0	1		01/30/18 21:48	95-49-8	
4-Chlorotoluene	**<0.14**	ug/L	1.0	1		01/30/18 21:48	106-43-4	
1,2-Dibromo-3-chloropropane	**<0.59**	ug/L	2.5	1		01/30/18 21:48	96-12-8	
Dibromochloromethane	**<0.21**	ug/L	1.0	1		01/30/18 21:48	124-48-1	
1,2-Dibromoethane (EDB)	**<0.17**	ug/L	1.0	1		01/30/18 21:48	106-93-4	
Dibromomethane	**<0.18**	ug/L	1.0	1		01/30/18 21:48	74-95-3	
1,2-Dichlorobenzene	**0.26J**	ug/L	1.0	1		01/30/18 21:48	95-50-1	
1,3-Dichlorobenzene	**<0.070**	ug/L	1.0	1		01/30/18 21:48	541-73-1	
1,4-Dichlorobenzene	**<0.060**	ug/L	1.0	1		01/30/18 21:48	106-46-7	
Dichlorodifluoromethane	**<0.21**	ug/L	1.0	1		01/30/18 21:48	75-71-8	
1,1-Dichloroethane	**<0.050**	ug/L	1.0	1		01/30/18 21:48	75-34-3	
1,2-Dichloroethane	**<0.12**	ug/L	1.0	1		01/30/18 21:48	107-06-2	
1,2-Dichloroethene (Total)	**<0.28**	ug/L	1.0	1		01/30/18 21:48	540-59-0	
1,1-Dichloroethene	**<0.20**	ug/L	1.0	1		01/30/18 21:48	75-35-4	
cis-1,2-Dichloroethene	**<0.080**	ug/L	1.0	1		01/30/18 21:48	156-59-2	
trans-1,2-Dichloroethene	**<0.20**	ug/L	1.0	1		01/30/18 21:48	156-60-5	
1,2-Dichloropropane	**<0.16**	ug/L	1.0	1		01/30/18 21:48	78-87-5	
1,3-Dichloropropane	**<0.17**	ug/L	1.0	1		01/30/18 21:48	142-28-9	
2,2-Dichloropropane	**<0.19**	ug/L	1.0	1		01/30/18 21:48	594-20-7	
1,1-Dichloropropene	**<0.090**	ug/L	1.0	1		01/30/18 21:48	563-58-6	
cis-1,3-Dichloropropene	**<0.14**	ug/L	1.0	1		01/30/18 21:48	10061-01-5	
trans-1,3-Dichloropropene	**<0.12**	ug/L	1.0	1		01/30/18 21:48	10061-02-6	
Ethylbenzene	**<0.18**	ug/L	1.0	1		01/30/18 21:48	100-41-4	
Hexachloro-1,3-butadiene	**<0.18**	ug/L	1.0	1		01/30/18 21:48	87-68-3	
2-Hexanone	**<1.2**	ug/L	10.0	1		01/30/18 21:48	591-78-6	
Isopropylbenzene (Cumene)	**<0.070**	ug/L	1.0	1		01/30/18 21:48	98-82-8	
p-Isopropyltoluene	**<0.10**	ug/L	1.0	1		01/30/18 21:48	99-87-6	
Methylene chloride	**<0.15**	ug/L	1.0	1		01/30/18 21:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	**0.53J**	ug/L	10.0	1		01/30/18 21:48	108-10-1	
Methyl-tert-butyl ether	**<0.060**	ug/L	1.0	1		01/30/18 21:48	1634-04-4	
Naphthalene	**<0.50**	ug/L	10.0	1		01/30/18 21:48	91-20-3	
n-Propylbenzene	**<0.10**	ug/L	1.0	1		01/30/18 21:48	103-65-1	
Styrene	**<0.12**	ug/L	1.0	1		01/30/18 21:48	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/30/18 21:48	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.15**	ug/L	1.0	1		01/30/18 21:48	79-34-5	
Tetrachloroethene	**<0.10**	ug/L	1.0	1		01/30/18 21:48	127-18-4	
Toluene	**0.61J**	ug/L	1.0	1		01/30/18 21:48	108-88-3	
1,2,3-Trichlorobenzene	**<0.12**	ug/L	1.0	1		01/30/18 21:48	87-61-6	
1,2,4-Trichlorobenzene	**<0.10**	ug/L	1.0	1		01/30/18 21:48	120-82-1	
1,1,1-Trichloroethane	**<0.11**	ug/L	1.0	1		01/30/18 21:48	71-55-6	

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ANALYTICAL RESULTS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Sample: FLOOR DRAIN WATER **Lab ID: 60262831017** Collected: 01/26/18 10:00 Received: 01/26/18 10:25 Matrix: Water

Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 5030B/8260							
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	1		01/30/18 21:48	79-00-5	
Trichloroethene	**<0.17**	ug/L	1.0	1		01/30/18 21:48	79-01-6	
Trichlorofluoromethane	**<0.34**	ug/L	1.0	1		01/30/18 21:48	75-69-4	
1,2,3-Trichloropropane	**<0.19**	ug/L	2.5	1		01/30/18 21:48	96-18-4	
1,2,4-Trimethylbenzene	**0.23J**	ug/L	1.0	1		01/30/18 21:48	95-63-6	
1,3,5-Trimethylbenzene	**<0.10**	ug/L	1.0	1		01/30/18 21:48	108-67-8	
Vinyl chloride	**<0.13**	ug/L	1.0	1		01/30/18 21:48	75-01-4	
Xylene (Total)	**<0.42**	ug/L	3.0	1		01/30/18 21:48	1330-20-7	
Surrogates								
4-Bromofluorobenzene (S)	103	%	80-119	1		01/30/18 21:48	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	80-117	1		01/30/18 21:48	17060-07-0	
Toluene-d8 (S)	100	%	80-115	1		01/30/18 21:48	2037-26-5	
Preservation pH	**1.0**		0.10	1		01/30/18 21:48		
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260							
TPH-GRO	**<72.2**	ug/L	500	1		02/07/18 19:56		
Surrogates								
Toluene-d8 (S)	99	%	80-115	1		02/07/18 19:56	2037-26-5	
4-Bromofluorobenzene (S)	99	%	80-119	1		02/07/18 19:56	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	87-117	1		02/07/18 19:56	17060-07-0	
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	**8.0**	Std. Units	0.10	1		02/02/18 11:55		H6
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	**6.2**	mg/L	0.20	2		01/29/18 14:59		M1
9056 IC Anions	Analytical Method: EPA 9056							
Sulfate	**96.0**	mg/L	10.0	10		02/08/18 23:21	14808-79-8	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 513439 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 60262831008, 60262831009, 60262831010, 60262831011, 60262831012, 60262831013, 60262831017

METHOD BLANK: 2101718 Matrix: Water
Associated Lab Samples: 60262831008, 60262831009, 60262831010, 60262831011, 60262831012, 60262831013, 60262831017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.046	0.20	02/08/18 15:00	

LABORATORY CONTROL SAMPLE: 2101719

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.9	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2101720 2101721

Parameter	Units	60263480001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	4.6	4.8	92	96	75-125	3	20	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 513471 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury ,Dissolved
Associated Lab Samples: 60262831008, 60262831009, 60262831010, 60262831012, 60262831013, 60262831017

METHOD BLANK: 2101839 Matrix: Water
Associated Lab Samples: 60262831008, 60262831009, 60262831010, 60262831012, 60262831013, 60262831017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.046	0.20	02/09/18 10:41	

LABORATORY CONTROL SAMPLE: 2101840

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	4.6	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2101841 2101842

Parameter	Units	60262644016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	<0.046	5	5	5.3	5.0	106	100	75-125	6	20	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 512704 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831007, 60262831015, 60262831016

METHOD BLANK: 2098850 Matrix: Solid
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831007, 60262831015, 60262831016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.0066	0.050	02/02/18 14:10	

LABORATORY CONTROL SAMPLE: 2098851

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.5	0.45	89	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2098852 2098853

Parameter	Units	60262797001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	ND	.52	.57	0.50	0.53	94	90	75-125	5	20	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 512402 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831007, 60262831015, 60262831016

METHOD BLANK: 2097801 Matrix: Solid
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831007, 60262831015, 60262831016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<0.41	1.0	02/06/18 15:23	
Barium	mg/kg	<0.031	0.50	02/06/18 15:23	
Cadmium	mg/kg	<0.037	0.50	02/06/18 15:23	
Chromium	mg/kg	<0.10	0.50	02/06/18 15:23	
Lead	mg/kg	<0.21	0.50	02/06/18 15:23	
Selenium	mg/kg	<0.75	1.5	02/06/18 15:23	
Silver	mg/kg	<0.17	0.70	02/06/18 15:23	

LABORATORY CONTROL SAMPLE: 2097802

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	100	95.5	95	80-120	
Barium	mg/kg	100	101	101	80-120	
Cadmium	mg/kg	100	97.1	97	80-120	
Chromium	mg/kg	100	98.4	98	80-120	
Lead	mg/kg	100	100	100	80-120	
Selenium	mg/kg	100	95.2	95	80-120	
Silver	mg/kg	50	48.3	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2097803 2097804

Parameter	Units	60262738001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	6.1	110	117	106	110	91	89	75-125	3	20	
Barium	mg/kg	231	110	117	344	337	102	91	75-125	2	20	
Cadmium	mg/kg	0.11J	110	117	103	108	93	92	75-125	4	20	
Chromium	mg/kg	16.5	110	117	126	130	100	97	75-125	3	20	
Lead	mg/kg	12.0	110	117	116	127	95	99	75-125	9	20	
Selenium	mg/kg	<0.84	110	117	99.0	103	90	89	75-125	4	20	
Silver	mg/kg	<0.19	55.1	58.3	52.6	54.6	95	94	75-125	4	20	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 513465 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 60262831008, 60262831009, 60262831010, 60262831011, 60262831012, 60262831013, 60262831017

METHOD BLANK: 2101809 Matrix: Water
Associated Lab Samples: 60262831008, 60262831009, 60262831010, 60262831011, 60262831012, 60262831013, 60262831017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	<4.2	10.0	02/01/18 14:54	
Barium	ug/L	<0.91	5.0	02/01/18 14:54	
Cadmium	ug/L	<0.64	5.0	02/01/18 14:54	
Chromium	ug/L	<0.72	5.0	02/01/18 14:54	
Lead	ug/L	<2.4	5.0	02/01/18 14:54	
Selenium	ug/L	<3.4	15.0	02/01/18 14:54	
Silver	ug/L	<1.9	7.0	02/01/18 14:54	

LABORATORY CONTROL SAMPLE: 2101810

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	954	95	80-120	
Barium	ug/L	1000	983	98	80-120	
Cadmium	ug/L	1000	972	97	80-120	
Chromium	ug/L	1000	1010	101	80-120	
Lead	ug/L	1000	989	99	80-120	
Selenium	ug/L	1000	995	100	80-120	
Silver	ug/L	500	510	102	80-120	

MATRIX SPIKE SAMPLE: 2101811

Parameter	Units	60262831017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	11.1	1000	975	96	75-125	
Barium	ug/L	52.3	1000	1030	98	75-125	
Cadmium	ug/L	2.3J	1000	970	97	75-125	
Chromium	ug/L	10.6	1000	996	98	75-125	
Lead	ug/L	30.0	1000	984	95	75-125	
Selenium	ug/L	<3.4	1000	999	100	75-125	
Silver	ug/L	<1.9	500	503	101	75-125	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 513463 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET Dissolved
Associated Lab Samples: 60262831008, 60262831009, 60262831010, 60262831012, 60262831013, 60262831017

METHOD BLANK: 2101805 Matrix: Water
Associated Lab Samples: 60262831008, 60262831009, 60262831010, 60262831012, 60262831013, 60262831017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	<4.2	10.0	01/31/18 17:00	
Barium, Dissolved	ug/L	<0.91	5.0	01/31/18 17:00	
Cadmium, Dissolved	ug/L	<0.64	5.0	01/31/18 17:00	
Chromium, Dissolved	ug/L	<0.72	5.0	01/31/18 17:00	
Lead, Dissolved	ug/L	<2.4	5.0	01/31/18 17:00	
Selenium, Dissolved	ug/L	<3.4	15.0	01/31/18 17:00	
Silver, Dissolved	ug/L	<1.9	7.0	01/31/18 17:00	

LABORATORY CONTROL SAMPLE: 2101806

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	1000	956	96	80-120	
Barium, Dissolved	ug/L	1000	991	99	80-120	
Cadmium, Dissolved	ug/L	1000	988	99	80-120	
Chromium, Dissolved	ug/L	1000	1020	102	80-120	
Lead, Dissolved	ug/L	1000	1030	103	80-120	
Selenium, Dissolved	ug/L	1000	1010	101	80-120	
Silver, Dissolved	ug/L	500	494	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2101807 2101808

Parameter	Units	60262644015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic, Dissolved	ug/L	<4.2	1000	1000	985	974	98	97	75-125	1	20	
Barium, Dissolved	ug/L	70.2	1000	1000	1050	1030	98	96	75-125	1	20	
Cadmium, Dissolved	ug/L	<0.64	1000	1000	988	976	99	98	75-125	1	20	
Chromium, Dissolved	ug/L	1.4J	1000	1000	996	986	99	98	75-125	1	20	
Lead, Dissolved	ug/L	<2.4	1000	1000	966	961	97	96	75-125	0	20	
Selenium, Dissolved	ug/L	4.5J	1000	1000	1020	1010	101	100	75-125	1	20	
Silver, Dissolved	ug/L	<1.9	500	500	493	487	99	97	75-125	1	20	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 512196 Analysis Method: EPA 5035A/8260
QC Batch Method: EPA 5035A/8260 Analysis Description: 8260 MSV GRO and Oxygenates
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831015

METHOD BLANK: 2097223 Matrix: Solid
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	<0.25	0.50	02/06/18 14:53	

LABORATORY CONTROL SAMPLE: 2097224

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	4	4.7	119	61-140	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 513194 Analysis Method: EPA 5035A/8260
QC Batch Method: EPA 5035A/8260 Analysis Description: 8260 MSV GRO and Oxygenates
Associated Lab Samples: 60262831007, 60262831016

METHOD BLANK: 2100786 Matrix: Solid
Associated Lab Samples: 60262831007, 60262831016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	<0.25	0.50	02/07/18 12:19	
1,2-Dichloroethane-d4 (S)	%	102	80-123	02/07/18 12:19	
4-Bromofluorobenzene (S)	%	98	69-133	02/07/18 12:19	
Toluene-d8 (S)	%	99	78-122	02/07/18 12:19	

LABORATORY CONTROL SAMPLE: 2100787

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	4	4.5	113	61-140	
1,2-Dichloroethane-d4 (S)	%			96	80-123	
4-Bromofluorobenzene (S)	%			98	69-133	
Toluene-d8 (S)	%			103	78-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2100788 2100789

Parameter	Units	60263335001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane-d4 (S)	%						97	99	80-123			
4-Bromofluorobenzene (S)	%						92	95	69-133			
Toluene-d8 (S)	%						102	101	78-122			

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 512379 Analysis Method: EPA 5030B/8260
QC Batch Method: EPA 5030B/8260 Analysis Description: 8260 MSV Water 10 mL Purge
Associated Lab Samples: 60262831008, 60262831009, 60262831010, 60262831011, 60262831012, 60262831013, 60262831014, 60262831017

METHOD BLANK: 2097739 Matrix: Water
Associated Lab Samples: 60262831008, 60262831009, 60262831010, 60262831011, 60262831012, 60262831013, 60262831014, 60262831017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.15	1.0	01/30/18 18:33	
1,1,1-Trichloroethane	ug/L	<0.11	1.0	01/30/18 18:33	
1,1,2,2-Tetrachloroethane	ug/L	<0.15	1.0	01/30/18 18:33	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	01/30/18 18:33	
1,1-Dichloroethane	ug/L	<0.050	1.0	01/30/18 18:33	
1,1-Dichloroethene	ug/L	<0.20	1.0	01/30/18 18:33	
1,1-Dichloropropene	ug/L	<0.090	1.0	01/30/18 18:33	
1,2,3-Trichlorobenzene	ug/L	0.33J	1.0	01/30/18 18:33	
1,2,3-Trichloropropane	ug/L	<0.19	2.5	01/30/18 18:33	
1,2,4-Trichlorobenzene	ug/L	0.16J	1.0	01/30/18 18:33	
1,2,4-Trimethylbenzene	ug/L	<0.090	1.0	01/30/18 18:33	
1,2-Dibromo-3-chloropropane	ug/L	<0.59	2.5	01/30/18 18:33	
1,2-Dibromoethane (EDB)	ug/L	<0.17	1.0	01/30/18 18:33	
1,2-Dichlorobenzene	ug/L	<0.050	1.0	01/30/18 18:33	
1,2-Dichloroethane	ug/L	<0.12	1.0	01/30/18 18:33	
1,2-Dichloroethene (Total)	ug/L	<0.28	1.0	01/30/18 18:33	
1,2-Dichloropropane	ug/L	<0.16	1.0	01/30/18 18:33	
1,3,5-Trimethylbenzene	ug/L	<0.10	1.0	01/30/18 18:33	
1,3-Dichlorobenzene	ug/L	<0.070	1.0	01/30/18 18:33	
1,3-Dichloropropane	ug/L	<0.17	1.0	01/30/18 18:33	
1,4-Dichlorobenzene	ug/L	0.11J	1.0	01/30/18 18:33	
2,2-Dichloropropane	ug/L	<0.19	1.0	01/30/18 18:33	
2-Butanone (MEK)	ug/L	<0.59	10.0	01/30/18 18:33	
2-Chlorotoluene	ug/L	<0.12	1.0	01/30/18 18:33	
2-Hexanone	ug/L	<1.2	10.0	01/30/18 18:33	
4-Chlorotoluene	ug/L	<0.14	1.0	01/30/18 18:33	
4-Methyl-2-pentanone (MIBK)	ug/L	<0.42	10.0	01/30/18 18:33	
Acetone	ug/L	<1.9	10.0	01/30/18 18:33	
Benzene	ug/L	<0.060	1.0	01/30/18 18:33	
Bromobenzene	ug/L	<0.10	1.0	01/30/18 18:33	
Bromochloromethane	ug/L	<0.15	1.0	01/30/18 18:33	
Bromodichloromethane	ug/L	<0.19	1.0	01/30/18 18:33	
Bromoform	ug/L	<0.070	1.0	01/30/18 18:33	
Bromomethane	ug/L	<0.16	5.0	01/30/18 18:33	
Carbon disulfide	ug/L	<0.12	5.0	01/30/18 18:33	
Carbon tetrachloride	ug/L	<0.18	1.0	01/30/18 18:33	
Chlorobenzene	ug/L	<0.21	1.0	01/30/18 18:33	
Chloroethane	ug/L	<0.15	1.0	01/30/18 18:33	
Chloroform	ug/L	<0.14	1.0	01/30/18 18:33	
Chloromethane	ug/L	<0.080	1.0	01/30/18 18:33	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

METHOD BLANK: 2097739 Matrix: Water
Associated Lab Samples: 60262831008, 60262831009, 60262831010, 60262831011, 60262831012, 60262831013, 60262831014, 60262831017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	<0.080	1.0	01/30/18 18:33	
cis-1,3-Dichloropropene	ug/L	<0.14	1.0	01/30/18 18:33	
Dibromochloromethane	ug/L	<0.21	1.0	01/30/18 18:33	
Dibromomethane	ug/L	<0.18	1.0	01/30/18 18:33	
Dichlorodifluoromethane	ug/L	<0.21	1.0	01/30/18 18:33	
Ethylbenzene	ug/L	<0.18	1.0	01/30/18 18:33	
Hexachloro-1,3-butadiene	ug/L	0.34J	1.0	01/30/18 18:33	
Isopropylbenzene (Cumene)	ug/L	<0.070	1.0	01/30/18 18:33	
Methyl-tert-butyl ether	ug/L	<0.060	1.0	01/30/18 18:33	
Methylene chloride	ug/L	<0.15	1.0	01/30/18 18:33	
n-Butylbenzene	ug/L	<0.10	1.0	01/30/18 18:33	
n-Propylbenzene	ug/L	<0.10	1.0	01/30/18 18:33	
Naphthalene	ug/L	<0.50	10.0	01/30/18 18:33	
p-Isopropyltoluene	ug/L	<0.10	1.0	01/30/18 18:33	
sec-Butylbenzene	ug/L	<0.050	1.0	01/30/18 18:33	
Styrene	ug/L	<0.12	1.0	01/30/18 18:33	
tert-Butylbenzene	ug/L	<0.34	1.0	01/30/18 18:33	
Tetrachloroethene	ug/L	<0.10	1.0	01/30/18 18:33	
Toluene	ug/L	<0.17	1.0	01/30/18 18:33	
trans-1,2-Dichloroethene	ug/L	<0.20	1.0	01/30/18 18:33	
trans-1,3-Dichloropropene	ug/L	<0.12	1.0	01/30/18 18:33	
Trichloroethene	ug/L	<0.17	1.0	01/30/18 18:33	
Trichlorofluoromethane	ug/L	<0.34	1.0	01/30/18 18:33	
Vinyl chloride	ug/L	<0.13	1.0	01/30/18 18:33	
Xylene (Total)	ug/L	<0.42	3.0	01/30/18 18:33	
1,2-Dichloroethane-d4 (S)	%	94	80-117	01/30/18 18:33	
4-Bromofluorobenzene (S)	%	96	80-119	01/30/18 18:33	
Toluene-d8 (S)	%	98	80-115	01/30/18 18:33	

LABORATORY CONTROL SAMPLE: 2097740

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	22.1	111	86-115	
1,1,1-Trichloroethane	ug/L	20	21.2	106	87-122	
1,1,2,2-Tetrachloroethane	ug/L	20	20.2	101	74-121	
1,1,2-Trichloroethane	ug/L	20	21.6	108	83-119	
1,1-Dichloroethane	ug/L	20	22.1	111	85-128	
1,1-Dichloroethene	ug/L	20	22.9	114	85-123	
1,1-Dichloropropene	ug/L	20	21.0	105	87-124	
1,2,3-Trichlorobenzene	ug/L	20	21.8	109	74-122	
1,2,3-Trichloropropane	ug/L	20	19.9	100	76-125	
1,2,4-Trichlorobenzene	ug/L	20	21.6	108	80-120	
1,2,4-Trimethylbenzene	ug/L	20	20.3	101	83-121	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

LABORATORY CONTROL SAMPLE: 2097740

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	20	18.1	90	64-132	
1,2-Dibromoethane (EDB)	ug/L	20	21.9	110	84-118	
1,2-Dichlorobenzene	ug/L	20	20.8	104	83-118	
1,2-Dichloroethane	ug/L	20	21.4	107	77-120	
1,2-Dichloroethene (Total)	ug/L	40	44.0	110	85-120	
1,2-Dichloropropane	ug/L	20	22.0	110	81-126	
1,3,5-Trimethylbenzene	ug/L	20	21.1	106	82-120	
1,3-Dichlorobenzene	ug/L	20	20.7	104	84-118	
1,3-Dichloropropane	ug/L	20	21.6	108	79-132	
1,4-Dichlorobenzene	ug/L	20	21.1	106	83-118	
2,2-Dichloropropane	ug/L	20	19.9	100	64-129	
2-Butanone (MEK)	ug/L	100	101	101	65-134	
2-Chlorotoluene	ug/L	20	21.0	105	85-115	
2-Hexanone	ug/L	100	110	110	68-132	
4-Chlorotoluene	ug/L	20	20.8	104	85-118	
4-Methyl-2-pentanone (MIBK)	ug/L	100	111	111	66-139	
Acetone	ug/L	100	106	106	62-142	
Benzene	ug/L	20	21.7	108	81-118	
Bromobenzene	ug/L	20	20.5	102	82-116	
Bromochloromethane	ug/L	20	21.5	108	82-129	
Bromodichloromethane	ug/L	20	21.1	105	85-123	
Bromoform	ug/L	20	21.0	105	83-123	
Bromomethane	ug/L	20	21.5	107	39-149	
Carbon disulfide	ug/L	20	22.6	113	85-124	
Carbon tetrachloride	ug/L	20	21.8	109	85-126	
Chlorobenzene	ug/L	20	21.6	108	87-118	
Chloroethane	ug/L	20	19.5	97	73-134	
Chloroform	ug/L	20	21.1	105	85-119	
Chloromethane	ug/L	20	23.7	118	20-174	
cis-1,2-Dichloroethene	ug/L	20	21.2	106	84-121	
cis-1,3-Dichloropropene	ug/L	20	22.8	114	80-124	
Dibromochloromethane	ug/L	20	22.3	111	83-122	
Dibromomethane	ug/L	20	22.0	110	82-125	
Dichlorodifluoromethane	ug/L	20	28.8	144	67-149	
Ethylbenzene	ug/L	20	21.2	106	80-118	
Hexachloro-1,3-butadiene	ug/L	20	20.9	104	75-117	
Isopropylbenzene (Cumene)	ug/L	20	21.8	109	89-120	
Methyl-tert-butyl ether	ug/L	20	22.4	112	82-119	
Methylene chloride	ug/L	20	20.1	100	81-126	
n-Butylbenzene	ug/L	20	21.7	109	80-116	
n-Propylbenzene	ug/L	20	21.1	105	83-119	
Naphthalene	ug/L	20	23.3	116	71-121	
p-Isopropyltoluene	ug/L	20	20.6	103	82-117	
sec-Butylbenzene	ug/L	20	22.5	112	81-113	
Styrene	ug/L	20	22.6	113	85-120	
tert-Butylbenzene	ug/L	20	21.2	106	85-116	
Tetrachloroethene	ug/L	20	21.7	108	87-120	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

LABORATORY CONTROL SAMPLE: 2097740

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	21.7	109	82-118	
trans-1,2-Dichloroethene	ug/L	20	22.8	114	83-121	
trans-1,3-Dichloropropene	ug/L	20	21.8	109	80-122	
Trichloroethene	ug/L	20	22.6	113	82-120	
Trichlorofluoromethane	ug/L	20	22.9	114	86-133	
Vinyl chloride	ug/L	20	27.0	135	74-147	
Xylene (Total)	ug/L	60	65.1	109	81-120	
1,2-Dichloroethane-d4 (S)	%			98	80-117	
4-Bromofluorobenzene (S)	%			100	80-119	
Toluene-d8 (S)	%			102	80-115	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 512870 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV MO GRO Oxygenates
Associated Lab Samples: 60262831008, 60262831009, 60262831010

METHOD BLANK: 2099505 Matrix: Water
Associated Lab Samples: 60262831008, 60262831009, 60262831010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	ug/L	<72.2	500	02/02/18 12:53	
1,2-Dichloroethane-d4 (S)	%	103	87-117	02/02/18 12:53	
4-Bromofluorobenzene (S)	%	99	80-119	02/02/18 12:53	
Toluene-d8 (S)	%	100	80-115	02/02/18 12:53	

LABORATORY CONTROL SAMPLE: 2099506

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	ug/L	4000	4570	114	77-146	
1,2-Dichloroethane-d4 (S)	%			96	87-117	
4-Bromofluorobenzene (S)	%			101	80-119	
Toluene-d8 (S)	%			101	80-115	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 513300 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV MO GRO Oxygenates
Associated Lab Samples: 60262831011, 60262831012, 60262831013, 60262831017

METHOD BLANK: 2101235 Matrix: Water
Associated Lab Samples: 60262831011, 60262831012, 60262831013, 60262831017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	ug/L	<72.2	500	02/07/18 17:35	
1,2-Dichloroethane-d4 (S)	%	100	87-117	02/07/18 17:35	
4-Bromofluorobenzene (S)	%	101	80-119	02/07/18 17:35	
Toluene-d8 (S)	%	100	80-115	02/07/18 17:35	

LABORATORY CONTROL SAMPLE: 2101236

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	ug/L	4000	4590	115	77-146	
1,2-Dichloroethane-d4 (S)	%			101	87-117	
4-Bromofluorobenzene (S)	%			98	80-119	
Toluene-d8 (S)	%			99	80-115	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 513132 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831015

METHOD BLANK: 2100603 Matrix: Solid
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<2.5	5.0	02/06/18 12:34	
1,1,1-Trichloroethane	ug/kg	<2.5	5.0	02/06/18 12:34	
1,1,2,2-Tetrachloroethane	ug/kg	<2.5	5.0	02/06/18 12:34	
1,1,2-Trichloroethane	ug/kg	<2.5	5.0	02/06/18 12:34	
1,1-Dichloroethane	ug/kg	<2.5	5.0	02/06/18 12:34	
1,1-Dichloroethene	ug/kg	<2.5	5.0	02/06/18 12:34	
1,1-Dichloropropene	ug/kg	<2.5	5.0	02/06/18 12:34	
1,2,3-Trichlorobenzene	ug/kg	<2.5	5.0	02/06/18 12:34	
1,2,3-Trichloropropane	ug/kg	<2.5	5.0	02/06/18 12:34	
1,2,4-Trichlorobenzene	ug/kg	<2.5	5.0	02/06/18 12:34	
1,2,4-Trimethylbenzene	ug/kg	<2.5	5.0	02/06/18 12:34	
1,2-Dibromo-3-chloropropane	ug/kg	<5.0	10.0	02/06/18 12:34	
1,2-Dibromoethane (EDB)	ug/kg	<2.5	5.0	02/06/18 12:34	
1,2-Dichlorobenzene	ug/kg	<2.5	5.0	02/06/18 12:34	
1,2-Dichloroethane	ug/kg	<2.5	5.0	02/06/18 12:34	
1,2-Dichloroethene (Total)	ug/kg	<2.5	5.0	02/06/18 12:34	
1,2-Dichloropropane	ug/kg	<2.5	5.0	02/06/18 12:34	
1,3,5-Trimethylbenzene	ug/kg	<2.5	5.0	02/06/18 12:34	
1,3-Dichlorobenzene	ug/kg	<2.5	5.0	02/06/18 12:34	
1,3-Dichloropropane	ug/kg	<2.5	5.0	02/06/18 12:34	
1,4-Dichlorobenzene	ug/kg	<2.5	5.0	02/06/18 12:34	
2,2-Dichloropropane	ug/kg	<2.5	5.0	02/06/18 12:34	
2-Butanone (MEK)	ug/kg	<5.0	10.0	02/06/18 12:34	
2-Chlorotoluene	ug/kg	<2.5	5.0	02/06/18 12:34	
2-Hexanone	ug/kg	<10.0	20.0	02/06/18 12:34	
4-Chlorotoluene	ug/kg	<2.5	5.0	02/06/18 12:34	
4-Methyl-2-pentanone (MIBK)	ug/kg	<5.0	10.0	02/06/18 12:34	
Acetone	ug/kg	<10.0	20.0	02/06/18 12:34	
Benzene	ug/kg	<2.5	5.0	02/06/18 12:34	
Bromobenzene	ug/kg	<2.5	5.0	02/06/18 12:34	
Bromochloromethane	ug/kg	<2.5	5.0	02/06/18 12:34	
Bromodichloromethane	ug/kg	<2.5	5.0	02/06/18 12:34	
Bromoform	ug/kg	<2.5	5.0	02/06/18 12:34	
Bromomethane	ug/kg	<2.5	5.0	02/06/18 12:34	
Carbon disulfide	ug/kg	<2.5	5.0	02/06/18 12:34	
Carbon tetrachloride	ug/kg	<2.5	5.0	02/06/18 12:34	
Chlorobenzene	ug/kg	<2.5	5.0	02/06/18 12:34	
Chloroethane	ug/kg	<2.5	5.0	02/06/18 12:34	
Chloroform	ug/kg	<2.5	5.0	02/06/18 12:34	
Chloromethane	ug/kg	<2.5	5.0	02/06/18 12:34	
cis-1,2-Dichloroethene	ug/kg	<2.5	5.0	02/06/18 12:34	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

METHOD BLANK: 2100603 Matrix: Solid
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	<2.5	5.0	02/06/18 12:34	
Dibromochloromethane	ug/kg	<2.5	5.0	02/06/18 12:34	
Dibromomethane	ug/kg	<2.5	5.0	02/06/18 12:34	
Dichlorodifluoromethane	ug/kg	<2.5	5.0	02/06/18 12:34	
Ethylbenzene	ug/kg	<2.5	5.0	02/06/18 12:34	
Hexachloro-1,3-butadiene	ug/kg	<2.5	5.0	02/06/18 12:34	
Isopropylbenzene (Cumene)	ug/kg	<2.5	5.0	02/06/18 12:34	
Methyl-tert-butyl ether	ug/kg	<2.5	5.0	02/06/18 12:34	
Methylene chloride	ug/kg	2.6J	5.0	02/06/18 12:34	
n-Butylbenzene	ug/kg	<2.5	5.0	02/06/18 12:34	
n-Propylbenzene	ug/kg	<2.5	5.0	02/06/18 12:34	
Naphthalene	ug/kg	<5.0	10.0	02/06/18 12:34	
p-Isopropyltoluene	ug/kg	<2.5	5.0	02/06/18 12:34	
sec-Butylbenzene	ug/kg	<2.5	5.0	02/06/18 12:34	
Styrene	ug/kg	<2.5	5.0	02/06/18 12:34	
tert-Butylbenzene	ug/kg	<2.5	5.0	02/06/18 12:34	
Tetrachloroethene	ug/kg	<2.5	5.0	02/06/18 12:34	
Toluene	ug/kg	<2.5	5.0	02/06/18 12:34	
trans-1,2-Dichloroethene	ug/kg	<2.5	5.0	02/06/18 12:34	
trans-1,3-Dichloropropene	ug/kg	<2.5	5.0	02/06/18 12:34	
Trichloroethene	ug/kg	<2.5	5.0	02/06/18 12:34	
Trichlorofluoromethane	ug/kg	<2.5	5.0	02/06/18 12:34	
Vinyl chloride	ug/kg	<2.5	5.0	02/06/18 12:34	
Xylene (Total)	ug/kg	<2.5	5.0	02/06/18 12:34	
1,2-Dichloroethane-d4 (S)	%	103	80-123	02/06/18 12:34	
4-Bromofluorobenzene (S)	%	102	69-133	02/06/18 12:34	
Toluene-d8 (S)	%	101	78-122	02/06/18 12:34	

LABORATORY CONTROL SAMPLE: 2100604

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	102	102	79-131	
1,1,1-Trichloroethane	ug/kg	100	102	102	75-138	
1,1,2,2-Tetrachloroethane	ug/kg	100	96.1	96	71-127	
1,1,2-Trichloroethane	ug/kg	100	99.7	100	77-118	
1,1-Dichloroethane	ug/kg	100	91.3	91	79-127	
1,1-Dichloroethene	ug/kg	100	89.7	90	66-135	
1,1-Dichloropropene	ug/kg	100	107	107	69-143	
1,2,3-Trichlorobenzene	ug/kg	100	99.1	99	78-122	
1,2,3-Trichloropropane	ug/kg	100	97.2	97	74-119	
1,2,4-Trichlorobenzene	ug/kg	100	98.9	99	71-129	
1,2,4-Trimethylbenzene	ug/kg	100	99.0	99	73-130	
1,2-Dibromo-3-chloropropane	ug/kg	100	112	112	72-139	
1,2-Dibromoethane (EDB)	ug/kg	100	90.0	90	81-121	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

LABORATORY CONTROL SAMPLE: 2100604

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	100	100	100	74-123	
1,2-Dichloroethane	ug/kg	100	88.3	88	77-117	
1,2-Dichloroethene (Total)	ug/kg	200	204	102	77-127	
1,2-Dichloropropane	ug/kg	100	95.4	95	70-126	
1,3,5-Trimethylbenzene	ug/kg	100	101	101	74-131	
1,3-Dichlorobenzene	ug/kg	100	98.4	98	75-124	
1,3-Dichloropropane	ug/kg	100	91.2	91	80-121	
1,4-Dichlorobenzene	ug/kg	100	97.6	98	74-125	
2,2-Dichloropropane	ug/kg	100	106	106	70-146	
2-Butanone (MEK)	ug/kg	500	467	93	66-121	
2-Chlorotoluene	ug/kg	100	102	102	75-127	
2-Hexanone	ug/kg	500	495	99	67-124	
4-Chlorotoluene	ug/kg	100	100	100	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	485	97	70-120	
Acetone	ug/kg	500	519	104	60-134	
Benzene	ug/kg	100	99.8	100	77-122	
Bromobenzene	ug/kg	100	100	100	79-121	
Bromochloromethane	ug/kg	100	94.9	95	74-123	
Bromodichloromethane	ug/kg	100	102	102	80-133	
Bromoform	ug/kg	100	106	106	76-150	
Bromomethane	ug/kg	100	84.7	85	24-174	
Carbon disulfide	ug/kg	100	89.0	89	59-145	
Carbon tetrachloride	ug/kg	100	108	108	73-150	
Chlorobenzene	ug/kg	100	99.0	99	76-123	
Chloroethane	ug/kg	100	71.7	72	34-164	
Chloroform	ug/kg	100	93.1	93	80-122	
Chloromethane	ug/kg	100	81.3	81	10-170	
cis-1,2-Dichloroethene	ug/kg	100	95.2	95	81-121	
cis-1,3-Dichloropropene	ug/kg	100	102	102	71-137	
Dibromochloromethane	ug/kg	100	100	100	78-137	
Dibromomethane	ug/kg	100	95.6	96	82-119	
Dichlorodifluoromethane	ug/kg	100	115	115	10-186	
Ethylbenzene	ug/kg	100	101	101	74-126	
Hexachloro-1,3-butadiene	ug/kg	100	106	106	68-146	
Isopropylbenzene (Cumene)	ug/kg	100	106	106	75-133	
Methyl-tert-butyl ether	ug/kg	100	96.1	96	74-120	
Methylene chloride	ug/kg	100	91.9	92	64-138	
n-Butylbenzene	ug/kg	100	107	107	70-140	
n-Propylbenzene	ug/kg	100	104	104	72-134	
Naphthalene	ug/kg	100	101	101	73-117	
p-Isopropyltoluene	ug/kg	100	101	101	72-135	
sec-Butylbenzene	ug/kg	100	111	111	72-132	
Styrene	ug/kg	100	108	108	77-127	
tert-Butylbenzene	ug/kg	100	105	105	74-133	
Tetrachloroethene	ug/kg	100	103	103	75-135	
Toluene	ug/kg	100	101	101	73-122	
trans-1,2-Dichloroethene	ug/kg	100	109	109	71-134	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

LABORATORY CONTROL SAMPLE: 2100604

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	100	99.6	100	72-142	
Trichloroethene	ug/kg	100	105	105	73-127	
Trichlorofluoromethane	ug/kg	100	95.9	96	55-155	
Vinyl chloride	ug/kg	100	98.8	99	36-162	
Xylene (Total)	ug/kg	300	306	102	75-123	
1,2-Dichloroethane-d4 (S)	%			99	80-123	
4-Bromofluorobenzene (S)	%			101	69-133	
Toluene-d8 (S)	%			101	78-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2100605 2100606

Parameter	Units	60263077004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	114	114	94.5	96.5	83	84	33-130	2	34	
1,1,1-Trichloroethane	ug/kg	ND	114	114	93.0	96.1	82	84	45-129	3	45	
1,1,2,2-Tetrachloroethane	ug/kg	ND	114	114	84.7	90.5	75	79	5-157	7	41	
1,1,2-Trichloroethane	ug/kg	ND	114	114	100	102	88	89	28-133	1	32	
1,1-Dichloroethane	ug/kg	ND	114	114	81.9	88.1	72	77	43-126	7	32	
1,1-Dichloroethene	ug/kg	ND	114	114	84.2	82.1	74	72	33-132	2	38	
1,1-Dichloropropene	ug/kg	ND	114	114	91.1	97.6	80	85	36-132	7	36	
1,2,3-Trichlorobenzene	ug/kg	ND	114	114	59.6	62.5	52	55	10-135	5	45	
1,2,3-Trichloropropane	ug/kg	ND	114	114	92.9	92.0	82	80	15-153	1	35	
1,2,4-Trichlorobenzene	ug/kg	ND	114	114	59.2	65.5	52	57	10-135	10	43	
1,2,4-Trimethylbenzene	ug/kg	ND	114	114	76.7	81.1	68	71	15-129	6	41	
1,2-Dibromo-3-chloropropane	ug/kg	ND	114	114	87.8	93.6	77	82	10-155	6	38	
1,2-Dibromoethane (EDB)	ug/kg	ND	114	114	93.8	92.6	83	81	38-128	1	32	
1,2-Dichlorobenzene	ug/kg	ND	114	114	72.2	78.3	64	68	12-132	8	38	
1,2-Dichloroethane	ug/kg	ND	114	114	87.8	92.0	77	80	45-117	5	29	
1,2-Dichloroethene (Total)	ug/kg	ND	227	229	173	262	75	114	37-127	41	33	R1
1,2-Dichloropropane	ug/kg	ND	114	114	90.6	96.4	80	84	46-116	6	31	
1,3,5-Trimethylbenzene	ug/kg	ND	114	114	76.8	83.8	68	73	19-130	9	38	
1,3-Dichlorobenzene	ug/kg	ND	114	114	72.4	75.9	64	66	14-130	5	39	
1,3-Dichloropropane	ug/kg	ND	114	114	92.9	95.1	82	83	38-124	2	31	
1,4-Dichlorobenzene	ug/kg	ND	114	114	70.7	75.4	62	66	12-130	6	39	
2,2-Dichloropropane	ug/kg	ND	114	114	89.9	96.5	79	84	37-135	7	33	
2-Butanone (MEK)	ug/kg	ND	568	572	477	475	84	83	32-130	0	33	
2-Chlorotoluene	ug/kg	ND	114	114	79.5	86.0	70	75	18-133	8	38	
2-Hexanone	ug/kg	ND	568	572	498	508	88	89	31-131	2	32	
4-Chlorotoluene	ug/kg	ND	114	114	77.1	82.0	68	72	24-128	6	39	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	568	572	487	497	86	87	38-129	2	30	
Acetone	ug/kg	ND	568	572	587	541	102	93	25-143	8	39	
Benzene	ug/kg	ND	114	114	90.4	94.2	80	82	51-124	4	28	
Bromobenzene	ug/kg	ND	114	114	81.0	87.9	71	77	21-130	8	39	
Bromochloromethane	ug/kg	ND	114	114	90.2	90.5	79	79	40-124	0	29	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2100605 2100606

Parameter	Units	60263077004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromodichloromethane	ug/kg	ND	114	114	94.6	99.6	83	87	37-130	5	30	
Bromoform	ug/kg	ND	114	114	94.4	97.8	83	85	25-142	4	37	
Bromomethane	ug/kg	ND	114	114	74.7	83.5	66	73	10-158	11	47	
Carbon disulfide	ug/kg	ND	114	114	79.9	78.5	70	69	26-133	2	41	
Carbon tetrachloride	ug/kg	ND	114	114	92.8	96.5	82	84	40-136	4	35	
Chlorobenzene	ug/kg	ND	114	114	85.3	91.5	75	80	25-133	7	36	
Chloroethane	ug/kg	ND	114	114	69.7	68.2	61	60	10-160	2	42	
Chloroform	ug/kg	ND	114	114	91.0	93.1	80	81	47-119	2	31	
Chloromethane	ug/kg	ND	114	114	77.2	76.6	68	67	10-143	1	38	
cis-1,2-Dichloroethene	ug/kg	ND	114	114	87.0	92.7	76	80	45-125	6	32	
cis-1,3-Dichloropropene	ug/kg	ND	114	114	93.7	98.0	83	86	43-125	4	36	
Dibromochloromethane	ug/kg	ND	114	114	94.6	100	83	87	46-129	6	34	
Dibromomethane	ug/kg	ND	114	114	93.0	95.4	82	83	38-124	3	30	
Dichlorodifluoromethane	ug/kg	ND	114	114	92.7	109	82	96	10-156	17	40	
Ethylbenzene	ug/kg	ND	114	114	88.8	96.5	78	84	38-131	8	32	
Hexachloro-1,3-butadiene	ug/kg	ND	114	114	58.6	62.9	52	55	10-134	7	44	
Isopropylbenzene (Cumene)	ug/kg	ND	114	114	88.2	93.1	78	81	26-129	5	37	
Methyl-tert-butyl ether	ug/kg	ND	114	114	86.0	155	76	135	49-120	57	41	M1,R1
Methylene chloride	ug/kg	ND	114	114	92.0	87.0	78	73	37-123	6	36	
n-Butylbenzene	ug/kg	ND	114	114	71.5	78.3	63	68	10-132	9	39	
n-Propylbenzene	ug/kg	ND	114	114	82.2	87.9	72	77	26-130	7	38	
Naphthalene	ug/kg	ND	114	114	68.7	72.6	60	63	10-144	6	41	
p-Isopropyltoluene	ug/kg	ND	114	114	74.4	79.6	66	69	14-130	7	39	
sec-Butylbenzene	ug/kg	ND	114	114	81.5	86.7	72	76	15-131	6	38	
Styrene	ug/kg	ND	114	114	87.8	94.9	77	83	29-128	8	38	
tert-Butylbenzene	ug/kg	ND	114	114	82.0	86.7	72	76	26-133	6	39	
Tetrachloroethene	ug/kg	ND	114	114	93.1	96.8	82	85	31-132	4	38	
Toluene	ug/kg	ND	114	114	93.1	98.8	82	86	40-129	6	30	
trans-1,2-Dichloroethene	ug/kg	ND	114	114	85.5	169	75	148	40-126	66	36	M1,R1
trans-1,3-Dichloropropene	ug/kg	ND	114	114	92.9	97.9	82	85	30-131	5	39	
Trichloroethene	ug/kg	ND	114	114	95.6	101	84	88	34-129	5	35	
Trichlorofluoromethane	ug/kg	ND	114	114	89.7	87.3	79	76	30-139	3	40	
Vinyl chloride	ug/kg	ND	114	114	94.1	92.1	83	80	17-139	2	42	
Xylene (Total)	ug/kg	ND	341	343	264	282	77	82	32-133	7	43	
1,2-Dichloroethane-d4 (S)	%						103	101	80-123			
4-Bromofluorobenzene (S)	%						96	95	69-133			
Toluene-d8 (S)	%						100	101	78-122			

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 513197 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 60262831007, 60262831016

METHOD BLANK: 2100802 Matrix: Solid
Associated Lab Samples: 60262831007, 60262831016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<2.5	5.0	02/07/18 12:19	
1,1,1-Trichloroethane	ug/kg	<2.5	5.0	02/07/18 12:19	
1,1,2,2-Tetrachloroethane	ug/kg	<2.5	5.0	02/07/18 12:19	
1,1,2-Trichloroethane	ug/kg	<2.5	5.0	02/07/18 12:19	
1,1-Dichloroethane	ug/kg	<2.5	5.0	02/07/18 12:19	
1,1-Dichloroethene	ug/kg	<2.5	5.0	02/07/18 12:19	
1,1-Dichloropropene	ug/kg	<2.5	5.0	02/07/18 12:19	
1,2,3-Trichlorobenzene	ug/kg	<2.5	5.0	02/07/18 12:19	
1,2,3-Trichloropropane	ug/kg	<2.5	5.0	02/07/18 12:19	
1,2,4-Trichlorobenzene	ug/kg	<2.5	5.0	02/07/18 12:19	
1,2,4-Trimethylbenzene	ug/kg	<2.5	5.0	02/07/18 12:19	
1,2-Dibromo-3-chloropropane	ug/kg	<5.0	10.0	02/07/18 12:19	
1,2-Dibromoethane (EDB)	ug/kg	<2.5	5.0	02/07/18 12:19	
1,2-Dichlorobenzene	ug/kg	<2.5	5.0	02/07/18 12:19	
1,2-Dichloroethane	ug/kg	<2.5	5.0	02/07/18 12:19	
1,2-Dichloroethene (Total)	ug/kg	<2.5	5.0	02/07/18 12:19	
1,2-Dichloropropane	ug/kg	<2.5	5.0	02/07/18 12:19	
1,3,5-Trimethylbenzene	ug/kg	<2.5	5.0	02/07/18 12:19	
1,3-Dichlorobenzene	ug/kg	<2.5	5.0	02/07/18 12:19	
1,3-Dichloropropane	ug/kg	<2.5	5.0	02/07/18 12:19	
1,4-Dichlorobenzene	ug/kg	<2.5	5.0	02/07/18 12:19	
2,2-Dichloropropane	ug/kg	<2.5	5.0	02/07/18 12:19	
2-Butanone (MEK)	ug/kg	<5.0	10.0	02/07/18 12:19	
2-Chlorotoluene	ug/kg	<2.5	5.0	02/07/18 12:19	
2-Hexanone	ug/kg	<10.0	20.0	02/07/18 12:19	
4-Chlorotoluene	ug/kg	<2.5	5.0	02/07/18 12:19	
4-Methyl-2-pentanone (MIBK)	ug/kg	<5.0	10.0	02/07/18 12:19	
Acetone	ug/kg	<10.0	20.0	02/07/18 12:19	
Benzene	ug/kg	<2.5	5.0	02/07/18 12:19	
Bromobenzene	ug/kg	<2.5	5.0	02/07/18 12:19	
Bromochloromethane	ug/kg	<2.5	5.0	02/07/18 12:19	
Bromodichloromethane	ug/kg	<2.5	5.0	02/07/18 12:19	
Bromoform	ug/kg	<2.5	5.0	02/07/18 12:19	
Bromomethane	ug/kg	<2.5	5.0	02/07/18 12:19	
Carbon disulfide	ug/kg	<2.5	5.0	02/07/18 12:19	
Carbon tetrachloride	ug/kg	<2.5	5.0	02/07/18 12:19	
Chlorobenzene	ug/kg	<2.5	5.0	02/07/18 12:19	
Chloroethane	ug/kg	<2.5	5.0	02/07/18 12:19	
Chloroform	ug/kg	<2.5	5.0	02/07/18 12:19	
Chloromethane	ug/kg	<2.5	5.0	02/07/18 12:19	
cis-1,2-Dichloroethene	ug/kg	<2.5	5.0	02/07/18 12:19	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

METHOD BLANK: 2100802 Matrix: Solid
Associated Lab Samples: 60262831007, 60262831016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	<2.5	5.0	02/07/18 12:19	
Dibromochloromethane	ug/kg	<2.5	5.0	02/07/18 12:19	
Dibromomethane	ug/kg	<2.5	5.0	02/07/18 12:19	
Dichlorodifluoromethane	ug/kg	<2.5	5.0	02/07/18 12:19	
Ethylbenzene	ug/kg	<2.5	5.0	02/07/18 12:19	
Hexachloro-1,3-butadiene	ug/kg	<2.5	5.0	02/07/18 12:19	
Isopropylbenzene (Cumene)	ug/kg	<2.5	5.0	02/07/18 12:19	
Methyl-tert-butyl ether	ug/kg	<2.5	5.0	02/07/18 12:19	
Methylene chloride	ug/kg	2.8J	5.0	02/07/18 12:19	
n-Butylbenzene	ug/kg	<2.5	5.0	02/07/18 12:19	
n-Propylbenzene	ug/kg	<2.5	5.0	02/07/18 12:19	
Naphthalene	ug/kg	<5.0	10.0	02/07/18 12:19	
p-Isopropyltoluene	ug/kg	<2.5	5.0	02/07/18 12:19	
sec-Butylbenzene	ug/kg	<2.5	5.0	02/07/18 12:19	
Styrene	ug/kg	<2.5	5.0	02/07/18 12:19	
tert-Butylbenzene	ug/kg	<2.5	5.0	02/07/18 12:19	
Tetrachloroethene	ug/kg	<2.5	5.0	02/07/18 12:19	
Toluene	ug/kg	<2.5	5.0	02/07/18 12:19	
trans-1,2-Dichloroethene	ug/kg	<2.5	5.0	02/07/18 12:19	
trans-1,3-Dichloropropene	ug/kg	<2.5	5.0	02/07/18 12:19	
Trichloroethene	ug/kg	<2.5	5.0	02/07/18 12:19	
Trichlorofluoromethane	ug/kg	<2.5	5.0	02/07/18 12:19	
Vinyl chloride	ug/kg	<2.5	5.0	02/07/18 12:19	
Xylene (Total)	ug/kg	<2.5	5.0	02/07/18 12:19	
1,2-Dichloroethane-d4 (S)	%	102	80-123	02/07/18 12:19	
4-Bromofluorobenzene (S)	%	98	69-133	02/07/18 12:19	
Toluene-d8 (S)	%	99	78-122	02/07/18 12:19	

LABORATORY CONTROL SAMPLE: 2100803

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	100	114	114	79-131	
1,1,1-Trichloroethane	ug/kg	100	109	109	75-138	
1,1,2,2-Tetrachloroethane	ug/kg	100	106	106	71-127	
1,1,2-Trichloroethane	ug/kg	100	112	112	77-118	
1,1-Dichloroethane	ug/kg	100	99.5	99	79-127	
1,1-Dichloroethene	ug/kg	100	108	108	66-135	
1,1-Dichloropropene	ug/kg	100	110	110	69-143	
1,2,3-Trichlorobenzene	ug/kg	100	112	112	78-122	
1,2,3-Trichloropropane	ug/kg	100	104	104	74-119	
1,2,4-Trichlorobenzene	ug/kg	100	110	110	71-129	
1,2,4-Trimethylbenzene	ug/kg	100	110	110	73-130	
1,2-Dibromo-3-chloropropane	ug/kg	100	107	107	72-139	
1,2-Dibromoethane (EDB)	ug/kg	100	99.1	99	81-121	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

LABORATORY CONTROL SAMPLE: 2100803

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	100	110	110	74-123	
1,2-Dichloroethane	ug/kg	100	94.5	95	77-117	
1,2-Dichloroethene (Total)	ug/kg	200	204	102	77-127	
1,2-Dichloropropane	ug/kg	100	103	103	70-126	
1,3,5-Trimethylbenzene	ug/kg	100	111	111	74-131	
1,3-Dichlorobenzene	ug/kg	100	108	108	75-124	
1,3-Dichloropropane	ug/kg	100	101	101	80-121	
1,4-Dichlorobenzene	ug/kg	100	107	107	74-125	
2,2-Dichloropropane	ug/kg	100	112	112	70-146	
2-Butanone (MEK)	ug/kg	500	468	94	66-121	
2-Chlorotoluene	ug/kg	100	110	110	75-127	
2-Hexanone	ug/kg	500	546	109	67-124	
4-Chlorotoluene	ug/kg	100	111	111	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	500	504	101	70-120	
Acetone	ug/kg	500	587	117	60-134	
Benzene	ug/kg	100	108	108	77-122	
Bromobenzene	ug/kg	100	112	112	79-121	
Bromochloromethane	ug/kg	100	101	101	74-123	
Bromodichloromethane	ug/kg	100	111	111	80-133	
Bromoform	ug/kg	100	117	117	76-150	
Bromomethane	ug/kg	100	92.1	92	24-174	
Carbon disulfide	ug/kg	100	106	106	59-145	
Carbon tetrachloride	ug/kg	100	112	112	73-150	
Chlorobenzene	ug/kg	100	110	110	76-123	
Chloroethane	ug/kg	100	86.5	86	34-164	
Chloroform	ug/kg	100	101	101	80-122	
Chloromethane	ug/kg	100	93.4	93	10-170	
cis-1,2-Dichloroethene	ug/kg	100	102	102	81-121	
cis-1,3-Dichloropropene	ug/kg	100	110	110	71-137	
Dibromochloromethane	ug/kg	100	114	114	78-137	
Dibromomethane	ug/kg	100	100	100	82-119	
Dichlorodifluoromethane	ug/kg	100	121	121	10-186	
Ethylbenzene	ug/kg	100	113	113	74-126	
Hexachloro-1,3-butadiene	ug/kg	100	116	116	68-146	
Isopropylbenzene (Cumene)	ug/kg	100	118	118	75-133	
Methyl-tert-butyl ether	ug/kg	100	96.8	97	74-120	
Methylene chloride	ug/kg	100	93.2	93	64-138	
n-Butylbenzene	ug/kg	100	118	118	70-140	
n-Propylbenzene	ug/kg	100	112	112	72-134	
Naphthalene	ug/kg	100	110	110	73-117	
p-Isopropyltoluene	ug/kg	100	111	111	72-135	
sec-Butylbenzene	ug/kg	100	121	121	72-132	
Styrene	ug/kg	100	121	121	77-127	
tert-Butylbenzene	ug/kg	100	116	116	74-133	
Tetrachloroethene	ug/kg	100	114	114	75-135	
Toluene	ug/kg	100	113	113	73-122	
trans-1,2-Dichloroethene	ug/kg	100	102	102	71-134	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

LABORATORY CONTROL SAMPLE: 2100803

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	100	111	111	72-142	
Trichloroethene	ug/kg	100	113	113	73-127	
Trichlorofluoromethane	ug/kg	100	121	121	55-155	
Vinyl chloride	ug/kg	100	117	117	36-162	
Xylene (Total)	ug/kg	300	344	115	75-123	
1,2-Dichloroethane-d4 (S)	%			96	80-123	
4-Bromofluorobenzene (S)	%			98	69-133	
Toluene-d8 (S)	%			103	78-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2100804 2100805

Parameter	Units	60262797001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	120	119	106	110	89	92	33-130	3	34	
1,1,1-Trichloroethane	ug/kg	ND	120	119	109	115	91	97	45-129	6	45	
1,1,2,2-Tetrachloroethane	ug/kg	ND	120	119	92.9	99.0	78	83	5-157	6	41	
1,1,2-Trichloroethane	ug/kg	ND	120	119	106	113	88	95	28-133	7	32	
1,1-Dichloroethane	ug/kg	ND	120	119	97.5	109	81	92	43-126	12	32	
1,1-Dichloroethene	ug/kg	ND	120	119	107	104	89	87	33-132	2	38	
1,1-Dichloropropene	ug/kg	ND	120	119	107	109	89	92	36-132	2	36	
1,2,3-Trichlorobenzene	ug/kg	ND	120	119	76.3	68.9	64	58	10-135	10	45	
1,2,3-Trichloropropane	ug/kg	ND	120	119	95.9	108	80	90	15-153	11	35	
1,2,4-Trichlorobenzene	ug/kg	ND	120	119	77.6	72.8	65	61	10-135	6	43	
1,2,4-Trimethylbenzene	ug/kg	ND	120	119	93.6	93.7	77	77	15-129	0	41	
1,2-Dibromo-3-chloropropane	ug/kg	ND	120	119	95.8	102	80	86	10-155	7	38	
1,2-Dibromoethane (EDB)	ug/kg	ND	120	119	96.9	103	81	86	38-128	6	32	
1,2-Dichlorobenzene	ug/kg	ND	120	119	90.8	88.7	76	74	12-132	2	38	
1,2-Dichloroethane	ug/kg	ND	120	119	96.1	102	80	86	45-117	6	29	
1,2-Dichloroethene (Total)	ug/kg	ND	239	238	202	229	84	96	37-127	13	33	
1,2-Dichloropropane	ug/kg	ND	120	119	93.6	104	78	87	46-116	11	31	
1,3,5-Trimethylbenzene	ug/kg	ND	120	119	95.4	96.1	80	81	19-130	1	38	
1,3-Dichlorobenzene	ug/kg	ND	120	119	89.4	88.2	75	74	14-130	1	39	
1,3-Dichloropropane	ug/kg	ND	120	119	96.1	104	80	87	38-124	8	31	
1,4-Dichlorobenzene	ug/kg	ND	120	119	87.2	86.8	73	73	12-130	0	39	
2,2-Dichloropropane	ug/kg	ND	120	119	106	111	89	93	37-135	4	33	
2-Butanone (MEK)	ug/kg	ND	599	597	491	512	82	86	32-130	4	33	
2-Chlorotoluene	ug/kg	ND	120	119	95.7	97.9	80	82	18-133	2	38	
2-Hexanone	ug/kg	ND	599	597	529	535	88	90	31-131	1	32	
4-Chlorotoluene	ug/kg	ND	120	119	93.5	95.4	78	80	24-128	2	39	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	599	597	494	530	82	89	38-129	7	30	
Acetone	ug/kg	ND	599	597	600	612	100	102	25-143	2	39	
Benzene	ug/kg	ND	120	119	102	111	85	93	51-124	8	28	
Bromobenzene	ug/kg	ND	120	119	98.4	101	82	84	21-130	2	39	
Bromochloromethane	ug/kg	ND	120	119	98.6	103	82	87	40-124	5	29	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2100804 2100805

Parameter	Units	60262797001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromodichloromethane	ug/kg	ND	120	119	106	110	88	92	37-130	4	30	
Bromoform	ug/kg	ND	120	119	109	113	91	95	25-142	4	37	
Bromomethane	ug/kg	ND	120	119	89.7	91.8	73	75	10-158	2	47	
Carbon disulfide	ug/kg	ND	120	119	102	97.1	85	81	26-133	5	41	
Carbon tetrachloride	ug/kg	ND	120	119	107	113	90	95	40-136	5	35	
Chlorobenzene	ug/kg	ND	120	119	99.9	102	83	85	25-133	2	36	
Chloroethane	ug/kg	ND	120	119	82.7	82.2	69	69	10-160	1	42	
Chloroform	ug/kg	ND	120	119	101	110	84	92	47-119	8	31	
Chloromethane	ug/kg	ND	120	119	86.4	98.4	72	82	10-143	13	38	
cis-1,2-Dichloroethene	ug/kg	ND	120	119	99.7	108	83	91	45-125	8	32	
cis-1,3-Dichloropropene	ug/kg	ND	120	119	102	101	85	85	43-125	1	36	
Dibromochloromethane	ug/kg	ND	120	119	107	112	90	94	46-129	4	34	
Dibromomethane	ug/kg	ND	120	119	99.7	106	83	89	38-124	6	30	
Dichlorodifluoromethane	ug/kg	ND	120	119	113	125	95	104	10-156	10	40	
Ethylbenzene	ug/kg	ND	120	119	105	106	88	89	38-131	1	32	
Hexachloro-1,3-butadiene	ug/kg	ND	120	119	79.4	70.3	66	59	10-134	12	44	
Isopropylbenzene (Cumene)	ug/kg	ND	120	119	105	105	88	88	26-129	0	37	
Methyl-tert-butyl ether	ug/kg	ND	120	119	94.4	116	79	97	49-120	20	41	
Methylene chloride	ug/kg	3.7J	120	119	113	116	91	94	37-123	3	36	
n-Butylbenzene	ug/kg	ND	120	119	90.7	87.4	76	73	10-132	4	39	
n-Propylbenzene	ug/kg	ND	120	119	99.8	102	83	85	26-130	2	38	
Naphthalene	ug/kg	ND	120	119	85.8	81.2	72	68	10-144	5	41	
p-Isopropyltoluene	ug/kg	ND	120	119	91.9	90.0	77	75	14-130	2	39	
sec-Butylbenzene	ug/kg	ND	120	119	100	101	84	85	15-131	1	38	
Styrene	ug/kg	ND	120	119	106	106	89	89	29-128	0	38	
tert-Butylbenzene	ug/kg	ND	120	119	101	99.6	84	83	26-133	1	39	
Tetrachloroethene	ug/kg	ND	120	119	109	110	91	92	31-132	1	38	
Toluene	ug/kg	ND	120	119	109	113	91	94	40-129	3	30	
trans-1,2-Dichloroethene	ug/kg	ND	120	119	102	121	85	102	40-126	17	36	
trans-1,3-Dichloropropene	ug/kg	ND	120	119	97.2	99.8	81	84	30-131	3	39	
Trichloroethene	ug/kg	ND	120	119	113	115	94	96	34-129	2	35	
Trichlorofluoromethane	ug/kg	ND	120	119	112	109	94	91	30-139	3	40	
Vinyl chloride	ug/kg	ND	120	119	116	118	97	99	17-139	1	42	
Xylene (Total)	ug/kg	ND	360	359	315	326	88	91	32-133	3	43	
1,2-Dichloroethane-d4 (S)	%						98	100	80-123			
4-Bromofluorobenzene (S)	%						96	97	69-133			
Toluene-d8 (S)	%						101	101	78-122			

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 91580 Analysis Method: EPA 8081
QC Batch Method: EPA 3546 Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831007, 60262831015, 60262831016

METHOD BLANK: 405973 Matrix: Solid
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831007, 60262831015, 60262831016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/kg	<0.33	1.0	02/05/18 18:09	
4,4'-DDE	ug/kg	<0.31	1.0	02/05/18 18:09	
4,4'-DDT	ug/kg	<0.65	1.4	02/05/18 18:09	
Aldrin	ug/kg	<0.35	1.0	02/05/18 18:09	
alpha-BHC	ug/kg	<0.16	1.0	02/05/18 18:09	
alpha-Chlordane	ug/kg	<0.40	1.7	02/05/18 18:09	
beta-BHC	ug/kg	<0.53	1.7	02/05/18 18:09	
Chlordane (Technical)	ug/kg	<28.1	150	02/05/18 18:09	
delta-BHC	ug/kg	<0.48	1.4	02/05/18 18:09	
Dieldrin	ug/kg	<0.43	1.4	02/05/18 18:09	
Endosulfan I	ug/kg	<0.46	1.4	02/05/18 18:09	
Endosulfan II	ug/kg	<0.32	1.0	02/05/18 18:09	
Endosulfan sulfate	ug/kg	<0.46	1.4	02/05/18 18:09	
Endrin	ug/kg	<0.46	1.7	02/05/18 18:09	
Endrin aldehyde	ug/kg	<0.46	1.4	02/05/18 18:09	
Endrin ketone	ug/kg	<0.55	2.0	02/05/18 18:09	
gamma-BHC (Lindane)	ug/kg	<0.45	1.4	02/05/18 18:09	
gamma-Chlordane	ug/kg	<0.66	1.7	02/05/18 18:09	
Heptachlor	ug/kg	<0.76	2.0	02/05/18 18:09	
Heptachlor epoxide	ug/kg	<2.0	5.0	02/05/18 18:09	
Methoxychlor	ug/kg	<0.57	2.0	02/05/18 18:09	
Toxaphene	ug/kg	<51.8	150	02/05/18 18:09	
Decachlorobiphenyl (S)	%.	100	70-130	02/05/18 18:09	
Tetrachloro-m-xylene (S)	%.	90	70-130	02/05/18 18:09	

LABORATORY CONTROL SAMPLE: 405974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/kg	33.3	31.7	95	70-130	
4,4'-DDE	ug/kg	33.3	31.8	96	70-130	
4,4'-DDT	ug/kg	33.3	31.3	94	70-130	
Aldrin	ug/kg	33.3	29.9	90	70-130	
alpha-BHC	ug/kg	33.3	31.5	95	70-130	
alpha-Chlordane	ug/kg	33.3	29.8	90	70-130	
beta-BHC	ug/kg	33.3	27.8	83	70-130	
delta-BHC	ug/kg	33.3	28.8	87	70-130	
Dieldrin	ug/kg	33.3	28.5	86	70-130	
Endosulfan I	ug/kg	33.3	28.0	84	70-130	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

LABORATORY CONTROL SAMPLE: 405974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endosulfan II	ug/kg	33.3	29.5	89	70-130	
Endosulfan sulfate	ug/kg	33.3	27.5	83	70-130	
Endrin	ug/kg	33.3	30.1	90	70-130	
Endrin aldehyde	ug/kg	33.3	27.9	84	70-130	
Endrin ketone	ug/kg	33.3	28.0	84	70-130	
gamma-BHC (Lindane)	ug/kg	33.3	30.1	90	70-130	
gamma-Chlordane	ug/kg	33.3	32.0	96	70-130	
Heptachlor	ug/kg	33.3	29.4	88	70-130	
Heptachlor epoxide	ug/kg	33.3	28.1	85	70-130	
Methoxychlor	ug/kg	33.3	29.5	88	70-130	
Decachlorobiphenyl (S)	%.			93	70-130	
Tetrachloro-m-xylene (S)	%.			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 405975 405976

Parameter	Units	60262738001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4,4'-DDD	ug/kg	<0.58	60.4	60.5	45.3	46.3	75	77	70-130	2	40	
4,4'-DDE	ug/kg	<0.56	60.4	60.5	54.7	55.9	90	92	70-130	2	40	
4,4'-DDT	ug/kg	<1.2	60.4	60.5	44.8	45.2	74	75	70-130	1	40	
Aldrin	ug/kg	<0.64	60.4	60.5	44.6	45.4	74	75	70-130	2	40	
alpha-BHC	ug/kg	<0.28	60.4	60.5	49.1	50.4	81	83	70-130	3	40	
alpha-Chlordane	ug/kg	<0.71	60.4	60.5	45.6	46.3	75	77	70-130	2	40	
beta-BHC	ug/kg	<0.95	60.4	60.5	49.4	51.4	82	85	70-130	4	40	
delta-BHC	ug/kg	<0.86	60.4	60.5	47.7	47.2	79	78	70-130	1	40	
Dieldrin	ug/kg	<0.78	60.4	60.5	41.5	42.1	69	70	70-130	1	40	M1
Endosulfan I	ug/kg	<0.83	60.4	60.5	38.2	38.2	63	63	70-130	0	40	M1
Endosulfan II	ug/kg	<0.58	60.4	60.5	42.6	43.2	71	71	70-130	1	40	
Endosulfan sulfate	ug/kg	<0.83	60.4	60.5	38.4	39.5	64	65	70-130	3	40	M1
Endrin	ug/kg	<0.83	60.4	60.5	46.2	45.9	76	76	70-130	1	40	
Endrin aldehyde	ug/kg	<0.83	60.4	60.5	42.5	42.9	70	71	70-130	1	40	
Endrin ketone	ug/kg	<0.99	60.4	60.5	39.3	40.2	64	66	70-130	2	40	M1
gamma-BHC (Lindane)	ug/kg	<0.81	60.4	60.5	48.5	49.8	80	82	70-130	3	40	
gamma-Chlordane	ug/kg	<1.2	60.4	60.5	42.0	42.4	70	70	70-130	1	40	
Heptachlor	ug/kg	<1.4	60.4	60.5	43.0	43.7	71	72	70-130	2	40	
Heptachlor epoxide	ug/kg	<3.6	60.4	60.5	42.8	43.8	71	72	70-130	2	40	
Methoxychlor	ug/kg	<1.0	60.4	60.5	44.6	47.0	74	78	70-130	5	40	
Decachlorobiphenyl (S)	%.						71	72	70-130			
Tetrachloro-m-xylene (S)	%.						75	75	70-130			

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 91634 Analysis Method: EPA 8081
QC Batch Method: EPA 3510 Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 60262831008, 60262831009, 60262831010, 60262831013, 60262831017

METHOD BLANK: 406236 Matrix: Water
Associated Lab Samples: 60262831008, 60262831009, 60262831010, 60262831013, 60262831017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	<0.0050	0.010	02/09/18 13:36	
4,4'-DDE	ug/L	<0.0070	0.010	02/09/18 13:36	
4,4'-DDT	ug/L	<0.0070	0.010	02/09/18 13:36	
Aldrin	ug/L	<0.0070	0.010	02/09/18 13:36	
alpha-BHC	ug/L	<0.0060	0.010	02/09/18 13:36	
alpha-Chlordane	ug/L	<0.024	0.10	02/09/18 13:36	
beta-BHC	ug/L	<0.010	0.010	02/09/18 13:36	
Chlordane (Technical)	ug/L	<0.090	0.10	02/09/18 13:36	
delta-BHC	ug/L	<0.0090	0.010	02/09/18 13:36	
Dieldrin	ug/L	<0.0060	0.010	02/09/18 13:36	
Endosulfan I	ug/L	<0.021	0.10	02/09/18 13:36	
Endosulfan II	ug/L	<0.0090	0.010	02/09/18 13:36	
Endosulfan sulfate	ug/L	<0.0070	0.010	02/09/18 13:36	
Endrin	ug/L	<0.0070	0.010	02/09/18 13:36	
Endrin aldehyde	ug/L	<0.029	0.10	02/09/18 13:36	
Endrin ketone	ug/L	<0.025	0.10	02/09/18 13:36	
gamma-BHC (Lindane)	ug/L	<0.0080	0.010	02/09/18 13:36	
gamma-Chlordane	ug/L	<0.034	0.10	02/09/18 13:36	
Heptachlor	ug/L	<0.0050	0.010	02/09/18 13:36	
Heptachlor epoxide	ug/L	<0.0070	0.010	02/09/18 13:36	
Methoxychlor	ug/L	<0.0060	0.010	02/09/18 13:36	
Toxaphene	ug/L	<0.61	1.5	02/09/18 13:36	
Decachlorobiphenyl (S)	%.	51	12-162	02/09/18 13:36	
Tetrachloro-m-xylene (S)	%.	60	54-127	02/09/18 13:36	

LABORATORY CONTROL SAMPLE: 406237

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	1	1.0	100	68-149	
4,4'-DDE	ug/L	1	0.84	84	70-135	
4,4'-DDT	ug/L	1	0.93	93	30-174	
Aldrin	ug/L	1	0.75	75	60-137	
alpha-BHC	ug/L	1	0.95	95	73-136	
alpha-Chlordane	ug/L	1	0.88	88	24-176	
beta-BHC	ug/L	1	0.85	85	50-174	
delta-BHC	ug/L	1	0.89	89	18-200	
Dieldrin	ug/L	1	0.88	88	62-148	
Endosulfan I	ug/L	1	0.87	87	38-171	
Endosulfan II	ug/L	1	0.93	93	36-178	
Endosulfan sulfate	ug/L	1	0.88	88	64-131	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

LABORATORY CONTROL SAMPLE: 406237

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin	ug/L	1	0.96	96	56-152	
Endrin aldehyde	ug/L	1	0.85	85	52-162	
Endrin ketone	ug/L	1	1.1	106	22-187	
gamma-BHC (Lindane)	ug/L	1	0.92	92	70-135	
gamma-Chlordane	ug/L	1	0.90	90	52-155	
Heptachlor	ug/L	1	0.75	75	59-139	
Heptachlor epoxide	ug/L	1	0.86	86	65-138	
Methoxychlor	ug/L	1	0.93	93	39-160	
Decachlorobiphenyl (S)	%.			53	12-162	
Tetrachloro-m-xylene (S)	%.			58	54-127	

MATRIX SPIKE SAMPLE: 406238

Parameter	Units	60262738009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	<0.0050	1	0.94	94	24-177	
4,4'-DDE	ug/L	<0.0070	1	0.73	73	22-161	
4,4'-DDT	ug/L	<0.0070	1	0.64	64	10-180	
Aldrin	ug/L	<0.0070	1	0.65	65	10-156	
alpha-BHC	ug/L	<0.0060	1	0.94	94	71-143	
alpha-Chlordane	ug/L	<0.024	1	0.79	79	15-174	
beta-BHC	ug/L	<0.010	1	0.82	82	72-149	
delta-BHC	ug/L	<0.0090	1	0.90	90	44-151	
Dieldrin	ug/L	<0.0060	1	0.86	86	33-166	
Endosulfan I	ug/L	<0.021	1	0.78	78	27-167	
Endosulfan II	ug/L	<0.0090	1	0.83	83	37-173	
Endosulfan sulfate	ug/L	<0.0070	1	0.77	77	33-167	
Endrin	ug/L	<0.0070	1	0.92	92	39-173	
Endrin aldehyde	ug/L	<0.029	1	0.84	84	14-180	
Endrin ketone	ug/L	<0.025	1	0.98	98	29-180	
gamma-BHC (Lindane)	ug/L	0.011	1	0.91	90	69-139	
gamma-Chlordane	ug/L	<0.034	1	0.82	82	20-166	
Heptachlor	ug/L	<0.0050	1	0.70	70	48-141	
Heptachlor epoxide	ug/L	<0.0070	1	0.85	85	28-164	
Methoxychlor	ug/L	<0.0060	1	0.75	75	20-178	
Decachlorobiphenyl (S)	%.				39	12-162	
Tetrachloro-m-xylene (S)	%.				58	54-127	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 91581 Analysis Method: EPA 8141A
QC Batch Method: EPA 3546 Analysis Description: Organophos Pests in soil by 8141
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831007, 60262831015, 60262831016

METHOD BLANK: 405989 Matrix: Solid
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831007, 60262831015, 60262831016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Azinphos, methyl (Guthion)	ug/kg	<3.3	6.7	02/05/18 17:09	
Bolstar	ug/kg	<3.3	6.7	02/05/18 17:09	
Chlorpyrifos	ug/kg	<3.3	6.7	02/05/18 17:09	
Coumaphos	ug/kg	<3.3	6.7	02/05/18 17:09	
Diazinon	ug/kg	<3.3	6.7	02/05/18 17:09	
Dichlorvos	ug/kg	<1.7	3.3	02/05/18 17:09	
Dimethoate	ug/kg	<3.3	6.7	02/05/18 17:09	
Disulfoton	ug/kg	<1.7	3.3	02/05/18 17:09	
EPN (ENT)	ug/kg	<2.1	3.3	02/05/18 17:09	
Ethoprop	ug/kg	<1.7	3.3	02/05/18 17:09	
Fensulfothion	ug/kg	<3.3	6.7	02/05/18 17:09	
Fenthion	ug/kg	<1.7	3.3	02/05/18 17:09	
Malathion	ug/kg	<3.3	6.7	02/05/18 17:09	
Methyl parathion	ug/kg	<1.7	3.3	02/05/18 17:09	
Mevinphos	ug/kg	<2.0	3.3	02/05/18 17:09	
Parathion (Ethyl parathion)	ug/kg	<3.3	6.7	02/05/18 17:09	
Phorate	ug/kg	<1.7	3.3	02/05/18 17:09	
Ronnel	ug/kg	<1.7	3.3	02/05/18 17:09	
Stirophos (Tetrachlorvinphos)	ug/kg	<3.3	6.7	02/05/18 17:09	
Sulfotep (Thiodiphosphoric Ac	ug/kg	<1.7	3.3	02/05/18 17:09	
Tokuthion (Prothiofos)	ug/kg	<1.7	3.3	02/05/18 17:09	
Total Demeton	ug/kg	<2.7	3.3	02/05/18 17:09	N2
Total Merphos	ug/kg	<3.3	13.3	02/05/18 17:09	N2
Trichloronate	ug/kg	<3.3	6.7	02/05/18 17:09	
Tributylphosphate (S)	%.	122	17-125	02/05/18 17:09	
Triphenylphosphate (S)	%.	99	11-137	02/05/18 17:09	

LABORATORY CONTROL SAMPLE: 405990

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Azinphos, methyl (Guthion)	ug/kg	8.3	7.9	95	45-142	
Bolstar	ug/kg	8.3	6.9	83	58-97	
Chlorpyrifos	ug/kg	8.3	6.4	77	58-97	
Coumaphos	ug/kg	8.3	8.4	101	59-123	
Diazinon	ug/kg	8.3	6.7	81	51-100	
Dichlorvos	ug/kg	8.3	6.0	72	40-117	
Dimethoate	ug/kg	8.3	6.7	80	32-130	
Disulfoton	ug/kg	8.3	5.9	71	32-108	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

LABORATORY CONTROL SAMPLE: 405990

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
EPN (ENT)	ug/kg	8.3	7.4	89	51-117	
Ethoprop	ug/kg	8.3	7.1	86	49-108	
Fensulfothion	ug/kg	8.3	8.4	101	47-148	
Fenthion	ug/kg	8.3	7.0	84	58-111	
Malathion	ug/kg	8.3	7.0	85	55-112	
Methyl parathion	ug/kg	8.3	6.9	83	49-113	
Mevinphos	ug/kg	8.3	6.8	81	43-121	
Parathion (Ethyl parathion)	ug/kg	8.3	6.7	81	50-114	
Phorate	ug/kg	8.3	6.4	77	42-108	
Ronnel	ug/kg	8.3	6.5	78	54-106	
Stirophos (Tetrachlorvinphos)	ug/kg	8.3	7.2	87	54-115	
Sulfotep (Thiodiphosphoric Ac	ug/kg	8.3	6.6	80	46-108	
Tokuthion (Prothiofos)	ug/kg	8.3	7.1	85	59-104	
Total Demeton	ug/kg	8.3	5.8	70	32-106	N2
Total Merphos	ug/kg	8.3	5.8	70	10-144	N2
Trichloronate	ug/kg	8.3	6.7	81	59-100	
Tributylphosphate (S)	%.			84	17-125	
Triphenylphosphate (S)	%.			87	11-137	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 405991 405992

Parameter	Units	60262738002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Azinphos, methyl (Guthion)	ug/kg	<6.3	15.9	15.7	14.2	13.4	90	85	20-146	6	40	
Bolstar	ug/kg	<6.3	15.9	15.7	12.1	11.3	76	72	13-120	7	40	
Chlorpyrifos	ug/kg	<6.3	15.9	15.7	10.9	10.5	69	67	10-147	4	40	
Coumaphos	ug/kg	<6.3	15.9	15.7	14.6	13.5	92	86	28-126	8	40	
Diazinon	ug/kg	<6.3	15.9	15.7	11.3	10.6	71	67	10-136	6	40	
Dichlorvos	ug/kg	<3.2	15.9	15.7	10.5	9.8	66	63	10-135	6	40	
Dimethoate	ug/kg	<6.3	15.9	15.7	11.1	11.1	57	58	10-133	0	40	
Disulfoton	ug/kg	<3.2	15.9	15.7	10.1	9.7	64	62	10-130	4	40	
EPN (ENT)	ug/kg	<4.0	15.9	15.7	12.7	12.4	80	79	10-133	3	40	
Ethoprop	ug/kg	<3.2	15.9	15.7	12.0	11.8	76	75	15-119	2	40	
Fensulfothion	ug/kg	<6.3	15.9	15.7	14.4	14.1	91	90	16-143	2	40	
Fenthion	ug/kg	<3.2	15.9	15.7	12.5	11.6	72	67	14-133	7	40	
Malathion	ug/kg	<6.3	15.9	15.7	12.1	11.5	76	73	31-112	5	40	
Methyl parathion	ug/kg	<3.2	15.9	15.7	12.1	11.5	76	73	10-147	5	40	
Mevinphos	ug/kg	<3.7	15.9	15.7	11.5	11.5	73	73	10-136	0	40	
Parathion (Ethyl parathion)	ug/kg	<6.3	15.9	15.7	11.7	11.5	70	70	10-142	2	40	
Phorate	ug/kg	<3.2	15.9	15.7	11.1	10.8	70	69	10-130	2	40	
Ronnel	ug/kg	<3.2	15.9	15.7	11.2	10.8	71	69	13-125	4	40	
Stirophos (Tetrachlorvinphos)	ug/kg	<6.3	15.9	15.7	12.3	11.9	77	76	16-136	3	40	
Sulfotep (Thiodiphosphoric Ac	ug/kg	<3.2	15.9	15.7	11.4	11.0	72	70	10-122	4	40	
Tokuthion (Prothiofos)	ug/kg	<3.2	15.9	15.7	12.1	11.5	76	73	10-125	5	40	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 405991 405992

Parameter	Units	60262738002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Demeton	ug/kg	<5.2	15.9	15.7	9.2	9.4	58	60	10-119	2	40	N2
Total Merphos	ug/kg	<6.3	15.9	15.7	12.8	12.2	80	78	10-122	4	40	N2
Trichloronate	ug/kg	<6.3	15.9	15.7	11.6	11.0	73	70	13-120	5	40	
Tributylphosphate (S)	%.						68	66	17-125			
Triphenylphosphate (S)	%.						76	73	11-137			

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 91635 Analysis Method: EPA 8141A
QC Batch Method: EPA 3510 Analysis Description: 8141 GCS, O/P Pesticides
Associated Lab Samples: 60262831008, 60262831009, 60262831010, 60262831013, 60262831017

METHOD BLANK: 406239 Matrix: Water
Associated Lab Samples: 60262831008, 60262831009, 60262831010, 60262831013, 60262831017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Azinphos, methyl (Guthion)	ug/L	<0.093	0.10	02/05/18 17:36	
Bolstar	ug/L	<0.090	0.10	02/05/18 17:36	
Chlorpyrifos	ug/L	<0.067	0.10	02/05/18 17:36	
Coumaphos	ug/L	<0.092	0.10	02/05/18 17:36	
Diazinon	ug/L	<0.078	0.10	02/05/18 17:36	
Dichlorvos	ug/L	<0.073	0.10	02/05/18 17:36	
Dimethoate	ug/L	<0.083	0.10	02/05/18 17:36	
Disulfoton	ug/L	<0.071	0.10	02/05/18 17:36	
EPN (ENT)	ug/L	<0.087	0.10	02/05/18 17:36	
Ethoprop	ug/L	<0.059	0.10	02/05/18 17:36	
Fensulfothion	ug/L	<0.087	0.10	02/05/18 17:36	
Fenthion	ug/L	<0.088	0.10	02/05/18 17:36	
Malathion	ug/L	<0.086	0.10	02/05/18 17:36	
Methyl parathion	ug/L	<0.070	0.10	02/05/18 17:36	
Mevinphos	ug/L	<0.065	0.10	02/05/18 17:36	
Parathion (Ethyl parathion)	ug/L	<0.060	0.10	02/05/18 17:36	
Phorate	ug/L	<0.064	0.10	02/05/18 17:36	
Ronnel	ug/L	<0.088	0.10	02/05/18 17:36	
Stirophos (Tetrachlorvinphos)	ug/L	<0.072	0.10	02/05/18 17:36	
Sulfotep (Thiodiphosphoric Ac	ug/L	<0.061	0.10	02/05/18 17:36	
Tokuthion (Prothiofos)	ug/L	<0.081	0.10	02/05/18 17:36	
Total Demeton	ug/L	<0.083	0.10	02/05/18 17:36	
Total Merphos	ug/L	<0.038	0.10	02/05/18 17:36	
Trichloronate	ug/L	<0.087	0.10	02/05/18 17:36	
Tributylphosphate (S)	%.	113	20-150	02/05/18 17:36	
Triphenylphosphate (S)	%.	105	10-175	02/05/18 17:36	

LABORATORY CONTROL SAMPLE: 406240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Azinphos, methyl (Guthion)	ug/L	.25	0.25	101	32-136	
Bolstar	ug/L	.25	0.21	83	45-115	
Chlorpyrifos	ug/L	.25	0.20	78	44-113	
Coumaphos	ug/L	.25	0.25	101	42-135	
Diazinon	ug/L	.25	0.21	85	35-117	
Dichlorvos	ug/L	.25	0.21	83	24-129	
Dimethoate	ug/L	.25	0.18	71	43-120	
Disulfoton	ug/L	.25	0.18	71	34-111	
EPN (ENT)	ug/L	.25	0.23	91	34-133	
Ethoprop	ug/L	.25	0.23	93	42-113	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

LABORATORY CONTROL SAMPLE: 406240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fensulfothion	ug/L	.25	0.25	100	37-153	
Fenthion	ug/L	.25	0.21	84	43-128	
Malathion	ug/L	.25	0.22	88	42-125	
Methyl parathion	ug/L	.25	0.22	88	41-127	
Mevinphos	ug/L	.25	0.22	87	16-142	
Parathion (Ethyl parathion)	ug/L	.25	0.21	85	42-118	
Phorate	ug/L	.25	0.20	80	42-122	
Ronnel	ug/L	.25	0.21	85	45-116	
Stirophos (Tetrachlorvinphos)	ug/L	.25	0.23	91	40-131	
Sulfotep (Thiodiphosphoric Ac	ug/L	.25	0.21	85	42-111	
Tokuthion (Prothiofos)	ug/L	.25	0.21	85	42-118	
Total Demeton	ug/L	.25	0.11	44	19-126	
Total Merphos	ug/L	.25	0.25	102	10-143	
Trichloronate	ug/L	.25	0.21	82	43-116	
Tributylphosphate (S)	%.			82	20-150	
Triphenylphosphate (S)	%.			91	10-175	

MATRIX SPIKE SAMPLE: 406241

Parameter	Units	60262738011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Azinphos, methyl (Guthion)	ug/L	<0.093	.25	0.24	98	40-140	
Bolstar	ug/L	<0.090	.25	0.17	70	40-140	
Chlorpyrifos	ug/L	<0.067	.25	0.16	66	40-140	
Coumaphos	ug/L	<0.092	.25	0.24	95	40-140	
Diazinon	ug/L	<0.078	.25	0.16	64	40-140	
Dichlorvos	ug/L	<0.073	.25	0.17	67	40-140	
Dimethoate	ug/L	<0.083	.25	0.17	50	40-140	
Disulfoton	ug/L	<0.071	.25	0.21	84	10-140	
EPN (ENT)	ug/L	<0.087	.25	0.20	81	40-140	
Ethoprop	ug/L	<0.059	.25	0.22	88	40-140	
Fensulfothion	ug/L	<0.087	.25	0.25	99	40-140	
Fenthion	ug/L	<0.088	.25	0.21	86	40-140	
Malathion	ug/L	<0.086	.25	0.23	91	40-140	
Methyl parathion	ug/L	<0.070	.25	0.19	77	40-140	
Mevinphos	ug/L	<0.065	.25	0.19	75	40-140	
Parathion (Ethyl parathion)	ug/L	<0.060	.25	0.20	82	40-140	
Phorate	ug/L	<0.064	.25	0.18	72	40-140	
Ronnel	ug/L	<0.088	.25	0.17	67	40-140	
Stirophos (Tetrachlorvinphos)	ug/L	<0.072	.25	0.21	82	40-140	
Sulfotep (Thiodiphosphoric Ac	ug/L	<0.061	.25	0.18	74	40-140	
Tokuthion (Prothiofos)	ug/L	<0.081	.25	0.16	66	40-140	
Total Demeton	ug/L	<0.083	.25	0.12	48	10-140	
Total Merphos	ug/L	<0.038	.25	0.19	75	10-140	
Trichloronate	ug/L	<0.087	.25	0.17	67	40-140	
Tributylphosphate (S)	%.				72	20-150	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

MATRIX SPIKE SAMPLE: 406241

Parameter	Units	60262738011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Triphenylphosphate (S)	%.				87	10-175	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 91886 Analysis Method: EPA 8151
QC Batch Method: EPA 3546 Analysis Description: 8151 GCS Herbicides
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831007, 60262831015, 60262831016

METHOD BLANK: 407446 Matrix: Solid
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831007, 60262831015, 60262831016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-T	ug/kg	<1.7	1.7	02/07/18 13:25	
2,4,5-TP (Silvex)	ug/kg	<1.7	1.7	02/07/18 13:25	
2,4-D	ug/kg	<1.7	1.7	02/07/18 13:25	
2,4-DB	ug/kg	<1.7	1.7	02/07/18 13:25	
Dalapon	ug/kg	<1.7	1.7	02/07/18 13:25	
Dicamba	ug/kg	<1.7	1.7	02/07/18 13:25	
Dichloroprop	ug/kg	<1.7	1.7	02/07/18 13:25	
Dinoseb	ug/kg	<1.7	1.7	02/07/18 13:25	
MCPA	ug/kg	<165	165	02/07/18 13:25	
MCPP	ug/kg	<165	165	02/07/18 13:25	
2,4-DCAA (S)	%.	34	10-188	02/07/18 13:25	

LABORATORY CONTROL SAMPLE: 407447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/kg	66.5	52.4	79	61-151	
2,4,5-TP (Silvex)	ug/kg	66.5	43.1	65	58-135	
2,4-D	ug/kg	66.5	48.7	73	15-155	
2,4-DB	ug/kg	66.5	45.3	68	26-159	
Dalapon	ug/kg	66.5	18.4	28	10-172	
Dicamba	ug/kg	66.5	50.9	77	55-111	
Dichloroprop	ug/kg	66.5	49.7	75	28-167	
Dinoseb	ug/kg	66.5	69.0	104	28-200	
MCPA	ug/kg	6650	5710	86	26-131	
MCPP	ug/kg	6650	6850	103	10-158	
2,4-DCAA (S)	%.			46	10-188	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 407448 407449

Parameter	Units	60262738005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4,5-T	ug/kg	<3.2	128	128	49.1	44.7	38	35	10-146	9	40	
2,4,5-TP (Silvex)	ug/kg	<3.2	128	128	46.3	69.2	36	54	10-139	40	40	
2,4-D	ug/kg	<3.2	128	128	38.0	30.9	30	24	10-166	21	40	
2,4-DB	ug/kg	<3.2	128	128	71.2	91.8	56	72	10-200	25	40	
Dalapon	ug/kg	<3.2	128	128	5.8	5.4	5	4	10-154	7	40	M1
Dicamba	ug/kg	<3.2	128	128	3.5	6.4	3	5	10-140	58	40	M1,R1

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 407448 407449

Parameter	Units	60262738005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dichloroprop	ug/kg	<3.2	128	128	28.5	21.8	22	17	10-194	27	40	
Dinoseb	ug/kg	<3.2	128	128	5.4	17.0	4	13	10-200	104	40	M1,R1
MCPA	ug/kg	<318	12800	12800	5030	3360	39	26	10-200	40	40	
MCPP	ug/kg	<318	12800	12800	2180	1180	17	9	10-175	60	40	M1,R1
2,4-DCAA (S)	%.						12	10	10-188			

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 91703 Analysis Method: EPA 8151
QC Batch Method: EPA 8151 Analysis Description: 8151A GCS Herbicides
Associated Lab Samples: 60262831008, 60262831009, 60262831010, 60262831013, 60262831017

METHOD BLANK: 406514 Matrix: Water
Associated Lab Samples: 60262831008, 60262831009, 60262831010, 60262831013, 60262831017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-T	ug/L	<0.25	0.50	02/07/18 10:57	
2,4,5-TP (Silvex)	ug/L	<0.25	0.50	02/07/18 10:57	
2,4-D	ug/L	<0.25	0.50	02/07/18 10:57	
2,4-DB	ug/L	<0.34	0.50	02/07/18 10:57	
Dalapon	ug/L	<0.25	0.50	02/07/18 10:57	
Dicamba	ug/L	<0.25	0.50	02/07/18 10:57	
Dichloroprop	ug/L	<0.29	0.50	02/07/18 10:57	
Dinoseb	ug/L	<0.50	0.50	02/07/18 10:57	
MCPA	ug/L	<20.0	20.0	02/07/18 10:57	
MCPP	ug/L	<20.0	20.0	02/07/18 10:57	
2,4-DCAA (S)	%.	74	47-166	02/07/18 10:57	

LABORATORY CONTROL SAMPLE: 406515

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/L	2	2.2	110	61-151	
2,4,5-TP (Silvex)	ug/L	2	2.2	109	58-135	
2,4-D	ug/L	2	1.9	96	52-152	
2,4-DB	ug/L	2	2.1	104	50-156	
Dalapon	ug/L	2	1.0	50	10-167	
Dicamba	ug/L	2	2.0	98	49-128	
Dichloroprop	ug/L	2	1.7	85	59-143	
Dinoseb	ug/L	2	2.6	131	33-200	
MCPA	ug/L	200	253	126	45-148	
MCPP	ug/L	200	216	108	63-149	
2,4-DCAA (S)	%.			145	47-166	

MATRIX SPIKE SAMPLE: 406516

Parameter	Units	60262831009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
2,4,5-T	ug/L	<0.25	2	2.4	120	65-153	
2,4,5-TP (Silvex)	ug/L	<0.25	2	2.2	108	10-179	
2,4-D	ug/L	<0.25	2	3.5	174	10-200	
2,4-DB	ug/L	<0.34	2	3.9	194	68-171	M1
Dalapon	ug/L	<0.25	2	1.0	52	10-156	
Dicamba	ug/L	<0.25	2	2.3	116	68-151	
Dichloroprop	ug/L	<0.29	2	1.6	81	85-151	M1
Dinoseb	ug/L	<0.50	2	4.1	203	83-152	E,M1

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

MATRIX SPIKE SAMPLE: 406516

Parameter	Units	60262831009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
MCPA	ug/L	<20.0	200	307	153	54-160	
MCPP	ug/L	<20.0	200	291	145	10-200	
2,4-DCAA (S)	%.				107	47-166	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 512424 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831007, 60262831015, 60262831016

METHOD BLANK: 2097904 Matrix: Solid
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831007, 60262831015, 60262831016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	<29.9	329	01/31/18 16:42	
1,2-Dichlorobenzene	ug/kg	<24.9	329	01/31/18 16:42	
1,3-Dichlorobenzene	ug/kg	<27.9	329	01/31/18 16:42	
1,4-Dichlorobenzene	ug/kg	<28.9	329	01/31/18 16:42	
2,4,5-Trichlorophenol	ug/kg	<29.9	329	01/31/18 16:42	
2,4,6-Trichlorophenol	ug/kg	<30.9	329	01/31/18 16:42	
2,4-Dichlorophenol	ug/kg	<29.9	329	01/31/18 16:42	
2,4-Dimethylphenol	ug/kg	<18.0	329	01/31/18 16:42	
2,4-Dinitrophenol	ug/kg	<47.9	1670	01/31/18 16:42	
2,4-Dinitrotoluene	ug/kg	<27.9	329	01/31/18 16:42	
2,6-Dinitrotoluene	ug/kg	<33.9	329	01/31/18 16:42	
2-Chloronaphthalene	ug/kg	<27.9	329	01/31/18 16:42	
2-Chlorophenol	ug/kg	<26.9	329	01/31/18 16:42	
2-Methylnaphthalene	ug/kg	<23.9	329	01/31/18 16:42	
2-Methylphenol(o-Cresol)	ug/kg	<30.9	329	01/31/18 16:42	
2-Nitroaniline	ug/kg	<55.9	658	01/31/18 16:42	
2-Nitrophenol	ug/kg	<45.9	329	01/31/18 16:42	
3&4-Methylphenol(m&p Cresol)	ug/kg	<35.9	329	01/31/18 16:42	
3,3'-Dichlorobenzidine	ug/kg	<113	658	01/31/18 16:42	
3-Nitroaniline	ug/kg	<99.7	658	01/31/18 16:42	
4,6-Dinitro-2-methylphenol	ug/kg	<43.9	1670	01/31/18 16:42	
4-Bromophenylphenyl ether	ug/kg	<25.9	329	01/31/18 16:42	
4-Chloro-3-methylphenol	ug/kg	<35.9	658	01/31/18 16:42	
4-Chloroaniline	ug/kg	<64.8	658	01/31/18 16:42	
4-Chlorophenylphenyl ether	ug/kg	<31.9	329	01/31/18 16:42	
4-Nitroaniline	ug/kg	<84.8	658	01/31/18 16:42	
4-Nitrophenol	ug/kg	<51.9	1670	01/31/18 16:42	
Acenaphthene	ug/kg	<34.9	329	01/31/18 16:42	
Acenaphthylene	ug/kg	<30.9	329	01/31/18 16:42	
Anthracene	ug/kg	<34.9	329	01/31/18 16:42	
Benzo(a)anthracene	ug/kg	<29.9	329	01/31/18 16:42	
Benzo(a)pyrene	ug/kg	<25.9	329	01/31/18 16:42	
Benzo(b)fluoranthene	ug/kg	<22.9	329	01/31/18 16:42	
Benzo(g,h,i)perylene	ug/kg	<31.9	329	01/31/18 16:42	
Benzo(k)fluoranthene	ug/kg	<38.9	329	01/31/18 16:42	
Benzoic acid	ug/kg	<30.9	1670	01/31/18 16:42	
Benzyl alcohol	ug/kg	<103	658	01/31/18 16:42	
bis(2-Chloroethoxy)methane	ug/kg	<25.9	329	01/31/18 16:42	
bis(2-Chloroethyl) ether	ug/kg	<25.9	329	01/31/18 16:42	
bis(2-Chloroisopropyl) ether	ug/kg	<25.9	329	01/31/18 16:42	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

METHOD BLANK: 2097904 Matrix: Solid
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831007, 60262831015, 60262831016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	ug/kg	<114	329	01/31/18 16:42	
Butylbenzylphthalate	ug/kg	<42.9	329	01/31/18 16:42	
Carbazole	ug/kg	<26.9	329	01/31/18 16:42	
Chrysene	ug/kg	<27.9	329	01/31/18 16:42	
Di-n-butylphthalate	ug/kg	<34.9	329	01/31/18 16:42	
Di-n-octylphthalate	ug/kg	<38.9	329	01/31/18 16:42	
Dibenz(a,h)anthracene	ug/kg	<29.9	329	01/31/18 16:42	
Dibenzofuran	ug/kg	<29.9	329	01/31/18 16:42	
Diethylphthalate	ug/kg	<30.9	329	01/31/18 16:42	
Dimethylphthalate	ug/kg	<31.9	329	01/31/18 16:42	
Fluoranthene	ug/kg	<30.9	329	01/31/18 16:42	
Fluorene	ug/kg	<30.9	329	01/31/18 16:42	
Hexachloro-1,3-butadiene	ug/kg	<32.9	329	01/31/18 16:42	
Hexachlorobenzene	ug/kg	<31.9	329	01/31/18 16:42	
Hexachlorocyclopentadiene	ug/kg	<69.8	329	01/31/18 16:42	
Hexachloroethane	ug/kg	<24.9	329	01/31/18 16:42	
Indeno(1,2,3-cd)pyrene	ug/kg	<35.9	329	01/31/18 16:42	
Isophorone	ug/kg	<29.9	329	01/31/18 16:42	
N-Nitroso-di-n-propylamine	ug/kg	<32.9	329	01/31/18 16:42	
N-Nitrosodiphenylamine	ug/kg	<25.9	329	01/31/18 16:42	
Naphthalene	ug/kg	<25.9	329	01/31/18 16:42	
Nitrobenzene	ug/kg	<30.9	329	01/31/18 16:42	
Pentachlorophenol	ug/kg	<30.9	1670	01/31/18 16:42	
Phenanthrene	ug/kg	<30.9	329	01/31/18 16:42	
Phenol	ug/kg	<25.9	329	01/31/18 16:42	
Pyrene	ug/kg	<32.9	329	01/31/18 16:42	
Pyridine	ug/kg	<26.9	329	01/31/18 16:42	
2,4,6-Tribromophenol (S)	%	106	39-114	01/31/18 16:42	
2-Fluorobiphenyl (S)	%	94	61-109	01/31/18 16:42	
2-Fluorophenol (S)	%	93	46-102	01/31/18 16:42	
Nitrobenzene-d5 (S)	%	89	41-114	01/31/18 16:42	
Phenol-d6 (S)	%	95	48-102	01/31/18 16:42	
Terphenyl-d14 (S)	%	96	48-120	01/31/18 16:42	

LABORATORY CONTROL SAMPLE: 2097905

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1620	1240	76	55-105	
1,2-Dichlorobenzene	ug/kg	1620	1220	75	55-100	
1,3-Dichlorobenzene	ug/kg	1620	1200	74	53-100	
1,4-Dichlorobenzene	ug/kg	1620	1200	74	54-100	
2,4,5-Trichlorophenol	ug/kg	1620	1350	83	55-113	
2,4,6-Trichlorophenol	ug/kg	1620	1330	82	56-111	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

LABORATORY CONTROL SAMPLE: 2097905

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dichlorophenol	ug/kg	1620	1270	79	58-108	
2,4-Dimethylphenol	ug/kg	1620	1190	74	54-107	
2,4-Dinitrophenol	ug/kg	1620	1080J	66	11-133	
2,4-Dinitrotoluene	ug/kg	1620	1380	85	57-114	
2,6-Dinitrotoluene	ug/kg	1620	1360	84	56-113	
2-Chloronaphthalene	ug/kg	1620	1280	79	54-107	
2-Chlorophenol	ug/kg	1620	1270	78	57-104	
2-Methylnaphthalene	ug/kg	1620	1220	75	57-105	
2-Methylphenol(o-Cresol)	ug/kg	1620	1250	77	57-104	
2-Nitroaniline	ug/kg	1620	1350	83	46-124	
2-Nitrophenol	ug/kg	1620	1290	79	51-113	
3&4-Methylphenol(m&p Cresol)	ug/kg	1620	1250	77	57-105	
3,3'-Dichlorobenzidine	ug/kg	1620	1150	71	3-152	
3-Nitroaniline	ug/kg	1620	1320	82	29-122	
4,6-Dinitro-2-methylphenol	ug/kg	1620	1290J	79	22-125	
4-Bromophenylphenyl ether	ug/kg	1620	1340	83	57-110	
4-Chloro-3-methylphenol	ug/kg	1620	1300	80	61-108	
4-Chloroaniline	ug/kg	1620	1080	66	10-112	
4-Chlorophenylphenyl ether	ug/kg	1620	1320	82	57-109	
4-Nitroaniline	ug/kg	1620	1350	83	47-117	
4-Nitrophenol	ug/kg	1620	1320J	81	53-118	
Acenaphthene	ug/kg	1620	1290	79	56-108	
Acenaphthylene	ug/kg	1620	1270	78	56-107	
Anthracene	ug/kg	1620	1330	82	58-111	
Benzo(a)anthracene	ug/kg	1620	1360	84	58-111	
Benzo(a)pyrene	ug/kg	1620	1380	85	58-109	
Benzo(b)fluoranthene	ug/kg	1620	1400	86	58-113	
Benzo(g,h,i)perylene	ug/kg	1620	1310	80	54-108	
Benzo(k)fluoranthene	ug/kg	1620	1350	83	56-111	
Benzoic acid	ug/kg	1620	836J	51	10-105	
Benzyl alcohol	ug/kg	1620	1300	80	58-106	
bis(2-Chloroethoxy)methane	ug/kg	1620	1210	75	56-104	
bis(2-Chloroethyl) ether	ug/kg	1620	1190	74	53-103	
bis(2-Chloroisopropyl) ether	ug/kg	1620	1170	72	55-102	
bis(2-Ethylhexyl)phthalate	ug/kg	1620	1320	82	58-117	
Butylbenzylphthalate	ug/kg	1620	1310	81	58-115	
Carbazole	ug/kg	1620	1330	82	58-112	
Chrysene	ug/kg	1620	1340	83	57-112	
Di-n-butylphthalate	ug/kg	1620	1350	83	61-112	
Di-n-octylphthalate	ug/kg	1620	1360	84	55-122	
Dibenz(a,h)anthracene	ug/kg	1620	1320	81	54-111	
Dibenzofuran	ug/kg	1620	1290	79	55-109	
Diethylphthalate	ug/kg	1620	1280	79	59-108	
Dimethylphthalate	ug/kg	1620	1300	80	58-106	
Fluoranthene	ug/kg	1620	1370	84	62-110	
Fluorene	ug/kg	1620	1290	80	57-109	
Hexachloro-1,3-butadiene	ug/kg	1620	1260	77	56-103	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

LABORATORY CONTROL SAMPLE: 2097905

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorobenzene	ug/kg	1620	1390	86	56-111	
Hexachlorocyclopentadiene	ug/kg	3250	1470	45	22-62	
Hexachloroethane	ug/kg	1620	1190	73	54-99	
Indeno(1,2,3-cd)pyrene	ug/kg	1620	1320	81	54-109	
Isophorone	ug/kg	1620	1200	74	57-100	
N-Nitroso-di-n-propylamine	ug/kg	1620	1210	75	57-98	
N-Nitrosodiphenylamine	ug/kg	1620	1330	82	58-109	
Naphthalene	ug/kg	1620	1230	76	56-104	
Nitrobenzene	ug/kg	1620	1230	76	57-104	
Pentachlorophenol	ug/kg	1620	1410J	87	46-118	
Phenanthrene	ug/kg	1620	1330	82	57-111	
Phenol	ug/kg	1620	1260	77	55-105	
Pyrene	ug/kg	1620	1310	81	58-112	
Pyridine	ug/kg	1620	903	56	41-71	
2,4,6-Tribromophenol (S)	%			95	39-114	
2-Fluorobiphenyl (S)	%			82	61-109	
2-Fluorophenol (S)	%			82	46-102	
Nitrobenzene-d5 (S)	%			77	41-114	
Phenol-d6 (S)	%			82	48-102	
Terphenyl-d14 (S)	%			87	48-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2097906 2097907

Parameter	Units	60262831016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	<1570	18300	18300	9570J	7690J	52	42	49-100		26	M1
1,2-Dichlorobenzene	ug/kg	<1310	18300	18300	8710J	6830J	48	37	48-98		26	M1
1,3-Dichlorobenzene	ug/kg	<1470	18300	18300	8050J	6620J	44	36	48-95		26	M1
1,4-Dichlorobenzene	ug/kg	<1520	18300	18300	8090J	6610J	44	36	48-96		26	M1
2,4,5-Trichlorophenol	ug/kg	<1570	18300	18300	9770J	7720J	53	42	51-111		27	M1
2,4,6-Trichlorophenol	ug/kg	<1620	18300	18300	9900J	7650J	54	42	44-112		29	M1
2,4-Dichlorophenol	ug/kg	<1570	18300	18300	9080J	7260J	50	40	51-105		27	M1
2,4-Dimethylphenol	ug/kg	<943	18300	18300	8830J	7280J	48	40	18-118		34	
2,4-Dinitrophenol	ug/kg	<2520	18300	18300	<54.9	<54.8	0	0	10-131		12	M1
2,4-Dinitrotoluene	ug/kg	<1470	18300	18300	8820J	6700J	48	37	25-132		27	
2,6-Dinitrotoluene	ug/kg	<1780	18300	18300	8520J	6610J	47	36	31-125		27	
2-Chloronaphthalene	ug/kg	<1470	18300	18300	9510J	7670J	52	42	47-106		29	M1
2-Chlorophenol	ug/kg	<1410	18300	18300	8780J	6980J	48	38	47-103		28	M1
2-Methylnaphthalene	ug/kg	<1260	18300	18300	9230J	7280J	50	40	48-105		29	M1
2-Methylphenol(o-Cresol)	ug/kg	<1620	18300	18300	9230J	7260J	50	40	40-105		28	
2-Nitroaniline	ug/kg	<2930	18300	18300	9660J	8590J	53	47	38-130		27	
2-Nitrophenol	ug/kg	<2410	18300	18300	8900J	6200J	49	34	22-129		29	
3&4-Methylphenol(m&p Cresol)	ug/kg	<1890	18300	18300	14200J	11100J	78	61	37-110		27	
3,3'-Dichlorobenzidine	ug/kg	<5920	18300	18300	<54.9	<54.8	0	0	10-138		38	M1

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2097906 2097907

Parameter	Units	60262831016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
3-Nitroaniline	ug/kg	<5240	18300	18300	6800J	5750J	37	32	23-126		32	
4,6-Dinitro-2-methylphenol	ug/kg	<2310	18300	18300	<54.9	<54.8	0	0	10-139		67	M1
4-Bromophenylphenyl ether	ug/kg	<1360	18300	18300	10100J	7910J	55	43	51-108		28	M1
4-Chloro-3-methylphenol	ug/kg	<1890	18300	18300	9050J	7240J	49	40	50-108		30	M1
4-Chloroaniline	ug/kg	<3410	18300	18300	5050J	4070J	28	22	17-91		32	
4-Chlorophenylphenyl ether	ug/kg	<1680	18300	18300	9830J	8250J	54	45	48-107		27	M1
4-Nitroaniline	ug/kg	<4450	18300	18300	8380J	9320J	46	51	20-122		28	
4-Nitrophenol	ug/kg	<2730	18300	18300	11600J	9430J	64	52	47-113		26	
Acenaphthene	ug/kg	<1830	18300	18300	9520J	7710J	52	42	43-112		27	M1
Acenaphthylene	ug/kg	<1620	18300	18300	9530J	7730J	52	42	45-108		27	M1
Anthracene	ug/kg	<1830	18300	18300	9710J	7910J	53	43	39-118		27	
Benzo(a)anthracene	ug/kg	<1570	18300	18300	9580J	7930J	52	43	43-112		29	
Benzo(a)pyrene	ug/kg	<1360	18300	18300	9520J	7750J	52	42	39-112		30	
Benzo(b)fluoranthene	ug/kg	<1210	18300	18300	9880J	8270J	54	45	41-114		33	
Benzo(g,h,i)perylene	ug/kg	<1680	18300	18300	10100J	8070J	55	44	30-111		31	
Benzo(k)fluoranthene	ug/kg	<2040	18300	18300	9880J	7700J	54	42	33-120		28	
Benzoic acid	ug/kg	<1620	18300	18300	8590J	7790J	47	43	10-126		17	
Benzyl alcohol	ug/kg	<5400	18300	18300	8350J	6860J	46	38	50-109		27	M1
bis(2-Chloroethoxy)methane	ug/kg	<1360	18300	18300	8500J	6850J	46	38	48-101		27	M1
bis(2-Chloroethyl) ether	ug/kg	<1360	18300	18300	9160J	7450J	50	41	47-102		26	M1
bis(2-Chloroisopropyl) ether	ug/kg	<1360	18300	18300	8180J	6370J	45	35	44-103		25	M1
bis(2-Ethylhexyl)phthalate	ug/kg	<5970	18300	18300	17200J	14400J	66	51	41-132		25	
Butylbenzylphthalate	ug/kg	<2250	18300	18300	11700J	13100J	64	72	42-133		26	
Carbazole	ug/kg	<1410	18300	18300	9750J	7730J	53	42	45-110		25	M1
Chrysene	ug/kg	<1470	18300	18300	10000J	8420J	55	46	45-110		29	
Di-n-butylphthalate	ug/kg	<1830	18300	18300	10900J	8870J	60	49	49-115		27	
Di-n-octylphthalate	ug/kg	<2040	18300	18300	10900J	9000J	59	49	41-138		25	
Dibenz(a,h)anthracene	ug/kg	<1570	18300	18300	10600J	7740J	58	42	39-110		29	
Dibenzofuran	ug/kg	<1570	18300	18300	9540J	7890J	52	43	47-107		27	M1
Diethylphthalate	ug/kg	<1620	18300	18300	9750J	8070J	53	44	48-108		26	M1
Dimethylphthalate	ug/kg	<1680	18300	18300	9090J	7480J	50	41	47-106		26	M1
Fluoranthene	ug/kg	<1620	18300	18300	9480J	7770J	52	43	34-121		34	
Fluorene	ug/kg	<1620	18300	18300	9550J	7920J	52	43	42-112		28	
Hexachloro-1,3-butadiene	ug/kg	<1730	18300	18300	9530J	7110J	52	39	48-100		27	M1
Hexachlorobenzene	ug/kg	<1680	18300	18300	9800J	7360J	54	40	47-107		27	M1
Hexachlorocyclopentadiene	ug/kg	<3670	36500	36500	<54.9	<54.8	0	0	10-68		36	M1
Hexachloroethane	ug/kg	<1310	18300	18300	8280J	6250J	45	34	37-101		29	M1
Indeno(1,2,3-cd)pyrene	ug/kg	<1890	18300	18300	9890J	7710J	54	42	32-113		29	
Isophorone	ug/kg	<1570	18300	18300	8490J	6690J	46	37	47-99		27	M1
N-Nitroso-di-n-propylamine	ug/kg	<1730	18300	18300	8550J	7060J	47	39	45-105		27	M1
N-Nitrosodiphenylamine	ug/kg	<1360	18300	18300	9760J	8090J	53	44	43-110		28	
Naphthalene	ug/kg	<1360	18300	18300	9430J	7220J	52	40	46-106		28	M1
Nitrobenzene	ug/kg	<1620	18300	18300	9380J	7460J	51	41	45-105		29	M1
Pentachlorophenol	ug/kg	<1620	18300	18300	8260J	6420J	45	35	27-124		18	
Phenanthrene	ug/kg	<1620	18300	18300	9910J	7700J	54	42	49-110		26	M1
Phenol	ug/kg	<1360	18300	18300	8710J	7130J	48	39	45-103		27	M1

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2097906 2097907

Parameter	Units	60262831016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Pyrene	ug/kg	<1730	18300	18300	12200J	9870J	67	54	47-117		30	
Pyridine	ug/kg	<1410	18300	18300	6150J	5020J	34	27	10-85		28	
2,4,6-Tribromophenol (S)	%						54	43	39-114			
2-Fluorobiphenyl (S)	%						51	43	61-109			S2
2-Fluorophenol (S)	%						49	37	46-102			S2
Nitrobenzene-d5 (S)	%						50	39	41-114			D3,S2
Phenol-d6 (S)	%						50	39	48-102			S2
Terphenyl-d14 (S)	%						59	48	48-120			

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 512013 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV, RV
Associated Lab Samples: 60262831008, 60262831010, 60262831013, 60262831017

METHOD BLANK: 2096408 Matrix: Water
Associated Lab Samples: 60262831008, 60262831010, 60262831013, 60262831017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<0.33	10.0	01/29/18 10:19	
1,2-Dichlorobenzene	ug/L	<0.29	10.0	01/29/18 10:19	
1,3-Dichlorobenzene	ug/L	<0.54	10.0	01/29/18 10:19	
1,4-Dichlorobenzene	ug/L	<0.41	10.0	01/29/18 10:19	
2,4,5-Trichlorophenol	ug/L	<0.33	50.0	01/29/18 10:19	
2,4,6-Trichlorophenol	ug/L	<0.39	10.0	01/29/18 10:19	
2,4-Dichlorophenol	ug/L	<0.52	10.0	01/29/18 10:19	
2,4-Dimethylphenol	ug/L	<0.60	10.0	01/29/18 10:19	
2,4-Dinitrophenol	ug/L	<8.4	50.0	01/29/18 10:19	
2,4-Dinitrotoluene	ug/L	<0.33	10.0	01/29/18 10:19	
2,6-Dinitrotoluene	ug/L	<0.28	10.0	01/29/18 10:19	
2-Chloronaphthalene	ug/L	<0.35	10.0	01/29/18 10:19	
2-Chlorophenol	ug/L	<0.30	10.0	01/29/18 10:19	
2-Methylnaphthalene	ug/L	<0.26	10.0	01/29/18 10:19	
2-Methylphenol(o-Cresol)	ug/L	<0.28	10.0	01/29/18 10:19	
2-Nitroaniline	ug/L	<0.42	50.0	01/29/18 10:19	
2-Nitrophenol	ug/L	<0.28	10.0	01/29/18 10:19	
3&4-Methylphenol(m&p Cresol)	ug/L	<5.0	10.0	01/29/18 10:19	
3,3'-Dichlorobenzidine	ug/L	<0.39	20.0	01/29/18 10:19	
3-Nitroaniline	ug/L	<0.35	50.0	01/29/18 10:19	
4,6-Dinitro-2-methylphenol	ug/L	<0.55	50.0	01/29/18 10:19	
4-Bromophenylphenyl ether	ug/L	<0.38	10.0	01/29/18 10:19	
4-Chloro-3-methylphenol	ug/L	<0.25	20.0	01/29/18 10:19	
4-Chloroaniline	ug/L	<0.52	20.0	01/29/18 10:19	
4-Chlorophenylphenyl ether	ug/L	<0.30	10.0	01/29/18 10:19	
4-Nitroaniline	ug/L	<0.35	50.0	01/29/18 10:19	
4-Nitrophenol	ug/L	<0.31	50.0	01/29/18 10:19	
Acenaphthene	ug/L	<0.36	10.0	01/29/18 10:19	
Acenaphthylene	ug/L	<0.38	10.0	01/29/18 10:19	
Anthracene	ug/L	<0.30	10.0	01/29/18 10:19	
Benzo(a)anthracene	ug/L	<0.29	10.0	01/29/18 10:19	
Benzo(a)pyrene	ug/L	<0.36	10.0	01/29/18 10:19	
Benzo(b)fluoranthene	ug/L	<0.35	10.0	01/29/18 10:19	
Benzo(g,h,i)perylene	ug/L	<0.40	10.0	01/29/18 10:19	
Benzo(k)fluoranthene	ug/L	<0.42	10.0	01/29/18 10:19	
Benzoic acid	ug/L	<2.5	50.0	01/29/18 10:19	
Benzyl alcohol	ug/L	<0.35	20.0	01/29/18 10:19	
bis(2-Chloroethoxy)methane	ug/L	<5.0	10.0	01/29/18 10:19	
bis(2-Chloroethyl) ether	ug/L	<0.29	10.0	01/29/18 10:19	
bis(2-Chloroisopropyl) ether	ug/L	<0.29	10.0	01/29/18 10:19	
bis(2-Ethylhexyl)phthalate	ug/L	<0.62	10.0	01/29/18 10:19	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

METHOD BLANK: 2096408 Matrix: Water
Associated Lab Samples: 60262831008, 60262831010, 60262831013, 60262831017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/L	<0.40	10.0	01/29/18 10:19	
Carbazole	ug/L	<0.35	10.0	01/29/18 10:19	
Chrysene	ug/L	<0.36	10.0	01/29/18 10:19	
Di-n-butylphthalate	ug/L	<0.39	10.0	01/29/18 10:19	
Di-n-octylphthalate	ug/L	<0.50	10.0	01/29/18 10:19	
Dibenz(a,h)anthracene	ug/L	<0.45	10.0	01/29/18 10:19	
Dibenzofuran	ug/L	<0.39	10.0	01/29/18 10:19	
Diethylphthalate	ug/L	<0.45	10.0	01/29/18 10:19	
Dimethylphthalate	ug/L	<0.35	10.0	01/29/18 10:19	
Fluoranthene	ug/L	<0.37	10.0	01/29/18 10:19	
Fluorene	ug/L	<0.34	10.0	01/29/18 10:19	
Hexachloro-1,3-butadiene	ug/L	<0.38	10.0	01/29/18 10:19	
Hexachlorobenzene	ug/L	<0.30	10.0	01/29/18 10:19	
Hexachlorocyclopentadiene	ug/L	<0.35	10.0	01/29/18 10:19	
Hexachloroethane	ug/L	<0.29	10.0	01/29/18 10:19	
Indeno(1,2,3-cd)pyrene	ug/L	<0.32	10.0	01/29/18 10:19	
Isophorone	ug/L	<0.28	10.0	01/29/18 10:19	
N-Nitroso-di-n-propylamine	ug/L	<0.27	10.0	01/29/18 10:19	
N-Nitrosodiphenylamine	ug/L	<0.40	10.0	01/29/18 10:19	
Naphthalene	ug/L	<0.36	10.0	01/29/18 10:19	
Nitrobenzene	ug/L	<0.30	10.0	01/29/18 10:19	
Pentachlorophenol	ug/L	<0.31	50.0	01/29/18 10:19	
Phenanthrene	ug/L	<0.34	10.0	01/29/18 10:19	
Phenol	ug/L	<5.0	10.0	01/29/18 10:19	
Pyrene	ug/L	<0.28	10.0	01/29/18 10:19	
Pyridine	ug/L	<0.31	10.0	01/29/18 10:19	
2,4,6-Tribromophenol (S)	%	99	21-124	01/29/18 10:19	
2-Fluorobiphenyl (S)	%	85	30-103	01/29/18 10:19	
2-Fluorophenol (S)	%	62	10-68	01/29/18 10:19	
Nitrobenzene-d5 (S)	%	81	33-99	01/29/18 10:19	
Phenol-d6 (S)	%	46	10-56	01/29/18 10:19	
Terphenyl-d14 (S)	%	89	38-114	01/29/18 10:19	

LABORATORY CONTROL SAMPLE: 2096409

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	100	84.8	85	27-115	
1,2-Dichlorobenzene	ug/L	100	77.5	78	27-111	
1,3-Dichlorobenzene	ug/L	100	76.6	77	26-109	
1,4-Dichlorobenzene	ug/L	100	77.1	77	26-109	
2,4,5-Trichlorophenol	ug/L	100	84.0	84	30-128	
2,4,6-Trichlorophenol	ug/L	100	84.7	85	29-128	
2,4-Dichlorophenol	ug/L	100	82.3	82	29-121	
2,4-Dimethylphenol	ug/L	100	73.5	73	29-113	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

LABORATORY CONTROL SAMPLE: 2096409

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	ug/L	100	88.6	89	19-142	
2,4-Dinitrotoluene	ug/L	100	84.9	85	31-135	
2,6-Dinitrotoluene	ug/L	100	85.3	85	31-132	
2-Chloronaphthalene	ug/L	100	81.1	81	29-122	
2-Chlorophenol	ug/L	100	72.3	72	26-111	
2-Methylnaphthalene	ug/L	100	80.6	81	30-121	
2-Methylphenol(o-Cresol)	ug/L	100	70.3	70	26-100	
2-Nitroaniline	ug/L	100	77.1	77	30-132	
2-Nitrophenol	ug/L	100	83.4	83	27-128	
3&4-Methylphenol(m&p Cresol)	ug/L	100	66.3	66	22-95	
3,3'-Dichlorobenzidine	ug/L	100	95.2	95	18-189	
3-Nitroaniline	ug/L	100	82.8	83	31-149	
4,6-Dinitro-2-methylphenol	ug/L	100	91.4	91	25-141	
4-Bromophenylphenyl ether	ug/L	100	87.1	87	30-131	
4-Chloro-3-methylphenol	ug/L	100	79.2	79	29-124	
4-Chloroaniline	ug/L	100	78.3	78	26-142	
4-Chlorophenylphenyl ether	ug/L	100	85.4	85	31-127	
4-Nitroaniline	ug/L	100	85.6	86	29-136	
4-Nitrophenol	ug/L	100	46.6J	47	10-60	
Acenaphthene	ug/L	100	79.7	80	30-127	
Acenaphthylene	ug/L	100	81.0	81	29-126	
Anthracene	ug/L	100	84.0	84	32-131	
Benzo(a)anthracene	ug/L	100	83.7	84	32-131	
Benzo(a)pyrene	ug/L	100	84.4	84	30-131	
Benzo(b)fluoranthene	ug/L	100	83.2	83	31-134	
Benzo(g,h,i)perylene	ug/L	100	85.6	86	29-133	
Benzo(k)fluoranthene	ug/L	100	84.7	85	30-133	
Benzoic acid	ug/L	100	36.6J	37	10-64	
Benzyl alcohol	ug/L	100	69.9	70	19-106	
bis(2-Chloroethoxy)methane	ug/L	100	78.6	79	29-122	
bis(2-Chloroethyl) ether	ug/L	100	77.4	77	25-122	
bis(2-Chloroisopropyl) ether	ug/L	100	64.5	65	26-121	
bis(2-Ethylhexyl)phthalate	ug/L	100	81.6	82	34-139	
Butylbenzylphthalate	ug/L	100	79.7	80	30-142	
Carbazole	ug/L	100	82.3	82	31-133	
Chrysene	ug/L	100	83.8	84	32-133	
Di-n-butylphthalate	ug/L	100	84.2	84	35-135	
Di-n-octylphthalate	ug/L	100	80.0	80	31-139	
Dibenz(a,h)anthracene	ug/L	100	85.6	86	30-133	
Dibenzofuran	ug/L	100	81.6	82	30-126	
Diethylphthalate	ug/L	100	81.6	82	34-129	
Dimethylphthalate	ug/L	100	81.2	81	34-127	
Fluoranthene	ug/L	100	87.9	88	32-134	
Fluorene	ug/L	100	83.8	84	31-128	
Hexachloro-1,3-butadiene	ug/L	100	87.5	87	25-112	
Hexachlorobenzene	ug/L	100	87.8	88	30-130	
Hexachlorocyclopentadiene	ug/L	200	99.8	50	10-61	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

LABORATORY CONTROL SAMPLE: 2096409

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachloroethane	ug/L	100	72.5	73	24-107	
Indeno(1,2,3-cd)pyrene	ug/L	100	85.0	85	30-131	
Isophorone	ug/L	100	77.8	78	29-125	
N-Nitroso-di-n-propylamine	ug/L	100	75.0	75	29-123	
N-Nitrosodiphenylamine	ug/L	100	84.0	84	31-129	
Naphthalene	ug/L	100	79.6	80	30-118	
Nitrobenzene	ug/L	100	79.3	79	28-123	
Pentachlorophenol	ug/L	100	95.4	95	27-136	
Phenanthrene	ug/L	100	82.9	83	32-130	
Phenol	ug/L	100	44.4	44	10-61	
Pyrene	ug/L	100	80.2	80	32-132	
Pyridine	ug/L	100	36.0	36	10-66	
2,4,6-Tribromophenol (S)	%			96	21-124	
2-Fluorobiphenyl (S)	%			81	30-103	
2-Fluorophenol (S)	%			58	10-68	
Nitrobenzene-d5 (S)	%			77	33-99	
Phenol-d6 (S)	%			43	10-56	
Terphenyl-d14 (S)	%			86	38-114	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 512591
QC Batch Method: EPA 3510
Analysis Method: EPA 8270
Analysis Description: 8270 Water MSSV, RV
Associated Lab Samples: 60262831009

METHOD BLANK: 2098507
Matrix: Water
Associated Lab Samples: 60262831009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<0.33	10.0	02/01/18 10:54	
1,2-Dichlorobenzene	ug/L	<0.29	10.0	02/01/18 10:54	
1,3-Dichlorobenzene	ug/L	<0.54	10.0	02/01/18 10:54	
1,4-Dichlorobenzene	ug/L	<0.41	10.0	02/01/18 10:54	
2,4,5-Trichlorophenol	ug/L	<0.33	50.0	02/01/18 10:54	
2,4,6-Trichlorophenol	ug/L	<0.39	10.0	02/01/18 10:54	
2,4-Dichlorophenol	ug/L	<0.52	10.0	02/01/18 10:54	
2,4-Dimethylphenol	ug/L	<0.60	10.0	02/01/18 10:54	
2,4-Dinitrophenol	ug/L	<8.4	50.0	02/01/18 10:54	
2,4-Dinitrotoluene	ug/L	<0.33	10.0	02/01/18 10:54	
2,6-Dinitrotoluene	ug/L	<0.28	10.0	02/01/18 10:54	
2-Chloronaphthalene	ug/L	<0.35	10.0	02/01/18 10:54	
2-Chlorophenol	ug/L	<0.30	10.0	02/01/18 10:54	
2-Methylnaphthalene	ug/L	<0.26	10.0	02/01/18 10:54	
2-Methylphenol(o-Cresol)	ug/L	<0.28	10.0	02/01/18 10:54	
2-Nitroaniline	ug/L	<0.42	50.0	02/01/18 10:54	
2-Nitrophenol	ug/L	<0.28	10.0	02/01/18 10:54	
3&4-Methylphenol(m&p Cresol)	ug/L	<5.0	10.0	02/01/18 10:54	
3,3'-Dichlorobenzidine	ug/L	<0.39	20.0	02/01/18 10:54	
3-Nitroaniline	ug/L	<0.35	50.0	02/01/18 10:54	
4,6-Dinitro-2-methylphenol	ug/L	<0.55	50.0	02/01/18 10:54	
4-Bromophenylphenyl ether	ug/L	<0.38	10.0	02/01/18 10:54	
4-Chloro-3-methylphenol	ug/L	<0.25	20.0	02/01/18 10:54	
4-Chloroaniline	ug/L	<0.52	20.0	02/01/18 10:54	
4-Chlorophenylphenyl ether	ug/L	<0.30	10.0	02/01/18 10:54	
4-Nitroaniline	ug/L	<0.35	50.0	02/01/18 10:54	
4-Nitrophenol	ug/L	<0.31	50.0	02/01/18 10:54	
Acenaphthene	ug/L	<0.36	10.0	02/01/18 10:54	
Acenaphthylene	ug/L	<0.38	10.0	02/01/18 10:54	
Anthracene	ug/L	<0.30	10.0	02/01/18 10:54	
Benzo(a)anthracene	ug/L	<0.29	10.0	02/01/18 10:54	
Benzo(a)pyrene	ug/L	<0.36	10.0	02/01/18 10:54	
Benzo(b)fluoranthene	ug/L	<0.35	10.0	02/01/18 10:54	
Benzo(g,h,i)perylene	ug/L	<0.40	10.0	02/01/18 10:54	
Benzo(k)fluoranthene	ug/L	<0.42	10.0	02/01/18 10:54	
Benzoic acid	ug/L	<2.5	50.0	02/01/18 10:54	
Benzyl alcohol	ug/L	<0.35	20.0	02/01/18 10:54	
bis(2-Chloroethoxy)methane	ug/L	<5.0	10.0	02/01/18 10:54	
bis(2-Chloroethyl) ether	ug/L	<0.29	10.0	02/01/18 10:54	
bis(2-Chloroisopropyl) ether	ug/L	<0.29	10.0	02/01/18 10:54	
bis(2-Ethylhexyl)phthalate	ug/L	<0.62	10.0	02/01/18 10:54	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

METHOD BLANK: 2098507 Matrix: Water
Associated Lab Samples: 60262831009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/L	<0.40	10.0	02/01/18 10:54	
Carbazole	ug/L	<0.35	10.0	02/01/18 10:54	
Chrysene	ug/L	<0.36	10.0	02/01/18 10:54	
Di-n-butylphthalate	ug/L	<0.39	10.0	02/01/18 10:54	
Di-n-octylphthalate	ug/L	<0.50	10.0	02/01/18 10:54	
Dibenz(a,h)anthracene	ug/L	<0.45	10.0	02/01/18 10:54	
Dibenzofuran	ug/L	<0.39	10.0	02/01/18 10:54	
Diethylphthalate	ug/L	<0.45	10.0	02/01/18 10:54	
Dimethylphthalate	ug/L	<0.35	10.0	02/01/18 10:54	
Fluoranthene	ug/L	<0.37	10.0	02/01/18 10:54	
Fluorene	ug/L	<0.34	10.0	02/01/18 10:54	
Hexachloro-1,3-butadiene	ug/L	<0.38	10.0	02/01/18 10:54	
Hexachlorobenzene	ug/L	<0.30	10.0	02/01/18 10:54	
Hexachlorocyclopentadiene	ug/L	<0.35	10.0	02/01/18 10:54	
Hexachloroethane	ug/L	<0.29	10.0	02/01/18 10:54	
Indeno(1,2,3-cd)pyrene	ug/L	<0.32	10.0	02/01/18 10:54	
Isophorone	ug/L	<0.28	10.0	02/01/18 10:54	
N-Nitroso-di-n-propylamine	ug/L	<0.27	10.0	02/01/18 10:54	
N-Nitrosodiphenylamine	ug/L	<0.40	10.0	02/01/18 10:54	
Naphthalene	ug/L	<0.36	10.0	02/01/18 10:54	
Nitrobenzene	ug/L	<0.30	10.0	02/01/18 10:54	
Pentachlorophenol	ug/L	<0.31	50.0	02/01/18 10:54	
Phenanthrene	ug/L	<0.34	10.0	02/01/18 10:54	
Phenol	ug/L	<5.0	10.0	02/01/18 10:54	
Pyrene	ug/L	<0.28	10.0	02/01/18 10:54	
Pyridine	ug/L	<0.31	10.0	02/01/18 10:54	
2,4,6-Tribromophenol (S)	%	93	21-124	02/01/18 10:54	
2-Fluorobiphenyl (S)	%	83	30-103	02/01/18 10:54	
2-Fluorophenol (S)	%	50	10-68	02/01/18 10:54	
Nitrobenzene-d5 (S)	%	81	33-99	02/01/18 10:54	
Phenol-d6 (S)	%	31	10-56	02/01/18 10:54	
Terphenyl-d14 (S)	%	85	38-114	02/01/18 10:54	

LABORATORY CONTROL SAMPLE: 2098508

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	100	80.3	80	27-115	
1,2-Dichlorobenzene	ug/L	100	81.2	81	27-111	
1,3-Dichlorobenzene	ug/L	100	79.0	79	26-109	
1,4-Dichlorobenzene	ug/L	100	79.3	79	26-109	
2,4,5-Trichlorophenol	ug/L	100	89.6	90	30-128	
2,4,6-Trichlorophenol	ug/L	100	87.0	87	29-128	
2,4-Dichlorophenol	ug/L	100	82.4	82	29-121	
2,4-Dimethylphenol	ug/L	100	81.0	81	29-113	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

LABORATORY CONTROL SAMPLE: 2098508

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	ug/L	100	80.1	80	19-142	
2,4-Dinitrotoluene	ug/L	100	93.0	93	31-135	
2,6-Dinitrotoluene	ug/L	100	89.8	90	31-132	
2-Chloronaphthalene	ug/L	100	84.3	84	29-122	
2-Chlorophenol	ug/L	100	77.4	77	26-111	
2-Methylnaphthalene	ug/L	100	80.2	80	30-121	
2-Methylphenol(o-Cresol)	ug/L	100	70.0	70	26-100	
2-Nitroaniline	ug/L	100	90.0	90	30-132	
2-Nitrophenol	ug/L	100	88.0	88	27-128	
3&4-Methylphenol(m&p Cresol)	ug/L	100	63.4	63	22-95	
3,3'-Dichlorobenzidine	ug/L	100	98.8	99	18-189	
3-Nitroaniline	ug/L	100	97.7	98	31-149	
4,6-Dinitro-2-methylphenol	ug/L	100	89.9	90	25-141	
4-Bromophenylphenyl ether	ug/L	100	85.7	86	30-131	
4-Chloro-3-methylphenol	ug/L	100	82.3	82	29-124	
4-Chloroaniline	ug/L	100	93.9	94	26-142	
4-Chlorophenylphenyl ether	ug/L	100	85.6	86	31-127	
4-Nitroaniline	ug/L	100	92.3	92	29-136	
4-Nitrophenol	ug/L	100	35.7J	36	10-60	
Acenaphthene	ug/L	100	84.3	84	30-127	
Acenaphthylene	ug/L	100	84.8	85	29-126	
Anthracene	ug/L	100	84.1	84	32-131	
Benzo(a)anthracene	ug/L	100	86.5	86	32-131	
Benzo(a)pyrene	ug/L	100	78.5	78	30-131	
Benzo(b)fluoranthene	ug/L	100	89.4	89	31-134	
Benzo(g,h,i)perylene	ug/L	100	87.8	88	29-133	
Benzo(k)fluoranthene	ug/L	100	87.1	87	30-133	
Benzoic acid	ug/L	100	28.1J	28	10-64	
Benzyl alcohol	ug/L	100	68.7	69	19-106	
bis(2-Chloroethoxy)methane	ug/L	100	82.9	83	29-122	
bis(2-Chloroethyl) ether	ug/L	100	83.9	84	25-122	
bis(2-Chloroisopropyl) ether	ug/L	100	79.3	79	26-121	
bis(2-Ethylhexyl)phthalate	ug/L	100	88.0	88	34-139	
Butylbenzylphthalate	ug/L	100	86.9	87	30-142	
Carbazole	ug/L	100	86.7	87	31-133	
Chrysene	ug/L	100	88.2	88	32-133	
Di-n-butylphthalate	ug/L	100	88.6	89	35-135	
Di-n-octylphthalate	ug/L	100	87.1	87	31-139	
Dibenz(a,h)anthracene	ug/L	100	89.6	90	30-133	
Dibenzofuran	ug/L	100	84.9	85	30-126	
Diethylphthalate	ug/L	100	87.6	88	34-129	
Dimethylphthalate	ug/L	100	86.8	87	34-127	
Fluoranthene	ug/L	100	87.0	87	32-134	
Fluorene	ug/L	100	85.7	86	31-128	
Hexachloro-1,3-butadiene	ug/L	100	77.3	77	25-112	
Hexachlorobenzene	ug/L	100	88.3	88	30-130	
Hexachlorocyclopentadiene	ug/L	200	60.4	30	10-61	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

LABORATORY CONTROL SAMPLE: 2098508

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachloroethane	ug/L	100	76.7	77	24-107	
Indeno(1,2,3-cd)pyrene	ug/L	100	86.9	87	30-131	
Isophorone	ug/L	100	83.4	83	29-125	
N-Nitroso-di-n-propylamine	ug/L	100	86.0	86	29-123	
N-Nitrosodiphenylamine	ug/L	100	87.0	87	31-129	
Naphthalene	ug/L	100	82.0	82	30-118	
Nitrobenzene	ug/L	100	84.0	84	28-123	
Pentachlorophenol	ug/L	100	94.4	94	27-136	
Phenanthrene	ug/L	100	84.9	85	32-130	
Phenol	ug/L	100	34.8	35	10-61	
Pyrene	ug/L	100	84.2	84	32-132	
Pyridine	ug/L	100	23.5	23	10-66	
2,4,6-Tribromophenol (S)	%			100	21-124	
2-Fluorobiphenyl (S)	%			85	30-103	
2-Fluorophenol (S)	%			49	10-68	
Nitrobenzene-d5 (S)	%			83	33-99	
Phenol-d6 (S)	%			31	10-56	
Terphenyl-d14 (S)	%			91	38-114	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 512423 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 MSSV TPH ORO
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831007, 60262831015, 60262831016

METHOD BLANK: 2097900 Matrix: Solid
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831007, 60262831015, 60262831016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/kg	<1.2	14.6	01/31/18 22:01	
TPH-ORO	mg/kg	3.5J	14.6	01/31/18 22:01	
2-Fluorobiphenyl (S)	%	82	61-109	01/31/18 22:01	
Nitrobenzene-d5 (S)	%	82	41-114	01/31/18 22:01	
Terphenyl-d14 (S)	%	75	48-120	01/31/18 22:01	

LABORATORY CONTROL SAMPLE: 2097901

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/kg	332	327	98	56-129	
2-Fluorobiphenyl (S)	%			83	61-109	
Nitrobenzene-d5 (S)	%			84	41-114	
Terphenyl-d14 (S)	%			78	48-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2097902 2097903

Parameter	Units	60262831001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-DRO	mg/kg	2.0J	435	424	434	418	99	98	17-150	4	26	
2-Fluorobiphenyl (S)	%						81	77	61-109			
Nitrobenzene-d5 (S)	%						83	82	41-114			
Terphenyl-d14 (S)	%						75	72	48-120			

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 512078 Analysis Method: EPA 8270
QC Batch Method: EPA 3510C Analysis Description: 8270 MSSV TPH ORO
Associated Lab Samples: 60262831008, 60262831009, 60262831010, 60262831012, 60262831013, 60262831017

METHOD BLANK: 2097000 Matrix: Water
Associated Lab Samples: 60262831008, 60262831009, 60262831010, 60262831012, 60262831013, 60262831017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/L	<1.0	1.0	01/31/18 19:10	
TPH-ORO	mg/L	<1.0	1.0	01/31/18 19:10	
2-Fluorobiphenyl (S)	%	82	30-103	01/31/18 19:10	
Nitrobenzene-d5 (S)	%	82	33-99	01/31/18 19:10	
Terphenyl-d14 (S)	%	77	38-114	01/31/18 19:10	

LABORATORY CONTROL SAMPLE: 2097001

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/L	100	91.2	91	37-133	
2-Fluorobiphenyl (S)	%			82	30-103	
Nitrobenzene-d5 (S)	%			79	33-99	
Terphenyl-d14 (S)	%			89	38-114	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 512470 Analysis Method: ASTM D2974
QC Batch Method: ASTM D2974 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831007, 60262831015, 60262831016

METHOD BLANK: 2098148 Matrix: Solid
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831007, 60262831015, 60262831016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	<0.50	0.50	01/31/18 00:00	

SAMPLE DUPLICATE: 2098149

Parameter	Units	60262738001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.5	17.6	0	20	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 512835 Analysis Method: SM 4500-H+B
QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH
Associated Lab Samples: 60262831008, 60262831009, 60262831010, 60262831013, 60262831017

SAMPLE DUPLICATE: 2099303

Parameter	Units	60262708006 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.5	8.5	0	5	H6

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 512529 Analysis Method: EPA 9045
QC Batch Method: EPA 9045 Analysis Description: 9045 pH
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005

SAMPLE DUPLICATE: 2098334

Parameter	Units	60262297001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.8	6.8	0	3	

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Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 512694 Analysis Method: EPA 9045
QC Batch Method: EPA 9045 Analysis Description: 9045 pH
Associated Lab Samples: 60262831006, 60262831007, 60262831015, 60262831016

SAMPLE DUPLICATE: 2098810

Parameter	Units	60262831006 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.7	7.7	0	3	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 512195 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 60262831008, 60262831009, 60262831010, 60262831013, 60262831017

METHOD BLANK: 2097218 Matrix: Water
Associated Lab Samples: 60262831008, 60262831009, 60262831010, 60262831013, 60262831017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.050	0.10	01/29/18 14:45	

LABORATORY CONTROL SAMPLE: 2097219

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	2.0	99	90-110	

MATRIX SPIKE SAMPLE: 2097221

Parameter	Units	60262677005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	0.098J	2	2.0	95	90-110	

MATRIX SPIKE SAMPLE: 2097222

Parameter	Units	60262831017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	6.2	4	9.2	77	90-110	M1

SAMPLE DUPLICATE: 2097220

Parameter	Units	60262758002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	9.2	10.8	16	20	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 513199 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831007, 60262831015, 60262831016

METHOD BLANK: 2100810 Matrix: Solid
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831007, 60262831015, 60262831016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/kg	<50.0	100	02/06/18 03:14	

LABORATORY CONTROL SAMPLE: 2100811

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/kg	500	504	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2100812 2100813

Parameter	Units	60262738006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/kg	74.3J	657	657	735	728	101	100	80-120	1	15	

SAMPLE DUPLICATE: 2100814

Parameter	Units	60262738007 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfate	mg/kg	77.8J	76.4J		15	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 513100 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831007, 60262831015, 60262831016

METHOD BLANK: 2100493 Matrix: Solid
Associated Lab Samples: 60262831001, 60262831002, 60262831003, 60262831004, 60262831005, 60262831006, 60262831007, 60262831015, 60262831016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/kg	<5.0	10.0	02/06/18 03:14	
Nitrite as N	mg/kg	<5.0	10.0	02/06/18 03:14	

LABORATORY CONTROL SAMPLE: 2100494

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/kg	200	193	96	80-120	
Nitrite as N	mg/kg	200	188	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2100495 2100496

Parameter	Units	60262738006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/kg	<6.6	263	263	268	268	102	102	80-120	0	15	
Nitrite as N	mg/kg	<6.6	263	263	266	265	101	101	80-120	0	15	

SAMPLE DUPLICATE: 2100497

Parameter	Units	60262738007 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrate as N	mg/kg	<6.3	<6.3		15	
Nitrite as N	mg/kg	<6.3	<6.3		15	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 513339 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Associated Lab Samples: 60262831008, 60262831009, 60262831010, 60262831013, 60262831017

METHOD BLANK: 2101344 Matrix: Water
Associated Lab Samples: 60262831008, 60262831009, 60262831010, 60262831013, 60262831017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.50	1.0	02/07/18 20:51	

LABORATORY CONTROL SAMPLE: 2101345

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	5	5.2	103	80-120	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 513454 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Associated Lab Samples: 60262831010, 60262831017

METHOD BLANK: 2101775 Matrix: Water
Associated Lab Samples: 60262831010, 60262831017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.50	1.0	02/08/18 21:02	

LABORATORY CONTROL SAMPLE: 2101776

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	5	5.0	99	80-120	

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QUALITY CONTROL DATA

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

QC Batch: 513534 Analysis Method: EPA 9056
QC Batch Method: EPA 9056 Analysis Description: 9056 IC Anions
Associated Lab Samples: 60262831008, 60262831009

METHOD BLANK: 2102084 Matrix: Water
Associated Lab Samples: 60262831008, 60262831009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.50	1.0	02/09/18 08:51	

LABORATORY CONTROL SAMPLE: 2102085

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	5	5.1	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2102086 2102087

Parameter	Units	60262831008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	44.1	25	25	70.1	70.8	104	107	80-120	1	15	

SAMPLE DUPLICATE: 2102088

Parameter	Units	60262831009 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfate	mg/L	155	162	4	15	

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QUALIFIERS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

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 adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

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.

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-D	Pace Analytical Services - Dallas
PASI-K	Pace Analytical Services - Kansas City

BATCH QUALIFIERS

Batch: 512013
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 512078
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 512196
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 512379
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 512591
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 512870
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: 513300
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

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QUALIFIERS

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

ANALYTE QUALIFIERS

1e	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
2e	Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-extraction and re-analysis).
3e	The internal standard response was outside the laboratory acceptance limits confirmed by reanalysis.
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.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold NELAC/TNI accreditation for this parameter.
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).
S2	Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).
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.
pH	Post-analysis pH measurement indicates insufficient VOA sample preservation.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60262831001	**SB-14 (3-5)**	EPA 3546	91580	EPA 8081	91850
60262831002	**SB-14 (13-15)**	EPA 3546	91580	EPA 8081	91850
60262831003	**SB-15 (3-5)**	EPA 3546	91580	EPA 8081	91850
60262831004	**SB-15 (13-14)**	EPA 3546	91580	EPA 8081	91850
60262831005	**SB-15 (14-15)**	EPA 3546	91580	EPA 8081	91850
60262831006	**SB-16 (3-5)**	EPA 3546	91580	EPA 8081	91850
60262831007	**SB-16 (13-15)**	EPA 3546	91580	EPA 8081	91850
60262831015	**FLOOR DRAIN SEDIMENT**	EPA 3546	91580	EPA 8081	91850
60262831016	**FLOOR SWEEPING**	EPA 3546	91580	EPA 8081	91850
60262831008	**SB-11**	EPA 3510	91634	EPA 8081	92029
60262831009	**SB-14**	EPA 3510	91634	EPA 8081	92029
60262831010	**SB-16**	EPA 3510	91634	EPA 8081	92029
60262831013	**EQUIPMENT BLANK**	EPA 3510	91634	EPA 8081	92029
60262831017	**FLOOR DRAIN WATER**	EPA 3510	91634	EPA 8081	92029
60262831001	**SB-14 (3-5)**	EPA 3546	91581	EPA 8141A	91875
60262831002	**SB-14 (13-15)**	EPA 3546	91581	EPA 8141A	91875
60262831003	**SB-15 (3-5)**	EPA 3546	91581	EPA 8141A	91875
60262831004	**SB-15 (13-14)**	EPA 3546	91581	EPA 8141A	91875
60262831005	**SB-15 (14-15)**	EPA 3546	91581	EPA 8141A	91875
60262831006	**SB-16 (3-5)**	EPA 3546	91581	EPA 8141A	91875
60262831007	**SB-16 (13-15)**	EPA 3546	91581	EPA 8141A	91875
60262831015	**FLOOR DRAIN SEDIMENT**	EPA 3546	91581	EPA 8141A	91875
60262831016	**FLOOR SWEEPING**	EPA 3546	91581	EPA 8141A	91875
60262831008	**SB-11**	EPA 3510	91635	EPA 8141A	91876
60262831009	**SB-14**	EPA 3510	91635	EPA 8141A	91876
60262831010	**SB-16**	EPA 3510	91635	EPA 8141A	91876
60262831013	**EQUIPMENT BLANK**	EPA 3510	91635	EPA 8141A	91876
60262831017	**FLOOR DRAIN WATER**	EPA 3510	91635	EPA 8141A	91876
60262831001	**SB-14 (3-5)**	EPA 3546	91886	EPA 8151	92035
60262831002	**SB-14 (13-15)**	EPA 3546	91886	EPA 8151	92035
60262831003	**SB-15 (3-5)**	EPA 3546	91886	EPA 8151	92035
60262831004	**SB-15 (13-14)**	EPA 3546	91886	EPA 8151	92035
60262831005	**SB-15 (14-15)**	EPA 3546	91886	EPA 8151	92035
60262831006	**SB-16 (3-5)**	EPA 3546	91886	EPA 8151	92035
60262831007	**SB-16 (13-15)**	EPA 3546	91886	EPA 8151	92035
60262831015	**FLOOR DRAIN SEDIMENT**	EPA 3546	91886	EPA 8151	92035
60262831016	**FLOOR SWEEPING**	EPA 3546	91886	EPA 8151	92035
60262831008	**SB-11**	EPA 8151	91703	EPA 8151	92006
60262831009	**SB-14**	EPA 8151	91703	EPA 8151	92006
60262831010	**SB-16**	EPA 8151	91703	EPA 8151	92006
60262831013	**EQUIPMENT BLANK**	EPA 8151	91703	EPA 8151	92006
60262831017	**FLOOR DRAIN WATER**	EPA 8151	91703	EPA 8151	92006
60262831001	**SB-14 (3-5)**	EPA 3050	512402	EPA 6010	512563
60262831002	**SB-14 (13-15)**	EPA 3050	512402	EPA 6010	512563
60262831003	**SB-15 (3-5)**	EPA 3050	512402	EPA 6010	512563
60262831004	**SB-15 (13-14)**	EPA 3050	512402	EPA 6010	512563

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60262831005	**SB-15 (14-15)**	EPA 3050	512402	EPA 6010	512563
60262831006	**SB-16 (3-5)**	EPA 3050	512402	EPA 6010	512563
60262831007	**SB-16 (13-15)**	EPA 3050	512402	EPA 6010	512563
60262831015	**FLOOR DRAIN SEDIMENT**	EPA 3050	512402	EPA 6010	512563
60262831016	**FLOOR SWEEPING**	EPA 3050	512402	EPA 6010	512563
60262831008	**SB-11**	EPA 3010	513465	EPA 6010	513615
60262831009	**SB-14**	EPA 3010	513465	EPA 6010	513615
60262831010	**SB-16**	EPA 3010	513465	EPA 6010	513615
60262831011	**SB-15**	EPA 3010	513465	EPA 6010	513615
60262831012	**SB-11D**	EPA 3010	513465	EPA 6010	513615
60262831013	**EQUIPMENT BLANK**	EPA 3010	513465	EPA 6010	513615
60262831017	**FLOOR DRAIN WATER**	EPA 3010	513465	EPA 6010	513615
60262831008	**SB-11**	EPA 3010	513463	EPA 6010	513595
60262831009	**SB-14**	EPA 3010	513463	EPA 6010	513595
60262831010	**SB-16**	EPA 3010	513463	EPA 6010	513595
60262831012	**SB-11D**	EPA 3010	513463	EPA 6010	513595
60262831013	**EQUIPMENT BLANK**	EPA 3010	513463	EPA 6010	513595
60262831017	**FLOOR DRAIN WATER**	EPA 3010	513463	EPA 6010	513595
60262831008	**SB-11**	EPA 7470	513439	EPA 7470	513467
60262831009	**SB-14**	EPA 7470	513439	EPA 7470	513467
60262831010	**SB-16**	EPA 7470	513439	EPA 7470	513467
60262831011	**SB-15**	EPA 7470	513439	EPA 7470	513467
60262831012	**SB-11D**	EPA 7470	513439	EPA 7470	513467
60262831013	**EQUIPMENT BLANK**	EPA 7470	513439	EPA 7470	513467
60262831017	**FLOOR DRAIN WATER**	EPA 7470	513439	EPA 7470	513467
60262831008	**SB-11**	EPA 7470	513471	EPA 7470	513506
60262831009	**SB-14**	EPA 7470	513471	EPA 7470	513506
60262831010	**SB-16**	EPA 7470	513471	EPA 7470	513506
60262831012	**SB-11D**	EPA 7470	513471	EPA 7470	513506
60262831013	**EQUIPMENT BLANK**	EPA 7470	513471	EPA 7470	513506
60262831017	**FLOOR DRAIN WATER**	EPA 7470	513471	EPA 7470	513506
60262831001	**SB-14 (3-5)**	EPA 7471	512704	EPA 7471	512861
60262831002	**SB-14 (13-15)**	EPA 7471	512704	EPA 7471	512861
60262831003	**SB-15 (3-5)**	EPA 7471	512704	EPA 7471	512861
60262831004	**SB-15 (13-14)**	EPA 7471	512704	EPA 7471	512861
60262831005	**SB-15 (14-15)**	EPA 7471	512704	EPA 7471	512861
60262831006	**SB-16 (3-5)**	EPA 7471	512704	EPA 7471	512861
60262831007	**SB-16 (13-15)**	EPA 7471	512704	EPA 7471	512861
60262831015	**FLOOR DRAIN SEDIMENT**	EPA 7471	512704	EPA 7471	512861
60262831016	**FLOOR SWEEPING**	EPA 7471	512704	EPA 7471	512861
60262831001	**SB-14 (3-5)**	EPA 3546	512424	EPA 8270	512594
60262831002	**SB-14 (13-15)**	EPA 3546	512424	EPA 8270	512594
60262831003	**SB-15 (3-5)**	EPA 3546	512424	EPA 8270	512594
60262831004	**SB-15 (13-14)**	EPA 3546	512424	EPA 8270	512594
60262831005	**SB-15 (14-15)**	EPA 3546	512424	EPA 8270	512594
60262831006	**SB-16 (3-5)**	EPA 3546	512424	EPA 8270	512594

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60262831007	**SB-16 (13-15)**	EPA 3546	512424	EPA 8270	512594
60262831015	**FLOOR DRAIN SEDIMENT**	EPA 3546	512424	EPA 8270	512594
60262831016	**FLOOR SWEEPING**	EPA 3546	512424	EPA 8270	512594
60262831008	**SB-11**	EPA 3510	512013	EPA 8270	512150
60262831009	**SB-14**	EPA 3510	512591	EPA 8270	512653
60262831010	**SB-16**	EPA 3510	512013	EPA 8270	512150
60262831013	**EQUIPMENT BLANK**	EPA 3510	512013	EPA 8270	512150
60262831017	**FLOOR DRAIN WATER**	EPA 3510	512013	EPA 8270	512150
60262831001	**SB-14 (3-5)**	EPA 3546	512423	EPA 8270	512560
60262831002	**SB-14 (13-15)**	EPA 3546	512423	EPA 8270	512560
60262831003	**SB-15 (3-5)**	EPA 3546	512423	EPA 8270	512560
60262831004	**SB-15 (13-14)**	EPA 3546	512423	EPA 8270	512560
60262831005	**SB-15 (14-15)**	EPA 3546	512423	EPA 8270	512560
60262831006	**SB-16 (3-5)**	EPA 3546	512423	EPA 8270	512560
60262831007	**SB-16 (13-15)**	EPA 3546	512423	EPA 8270	512560
60262831015	**FLOOR DRAIN SEDIMENT**	EPA 3546	512423	EPA 8270	512560
60262831016	**FLOOR SWEEPING**	EPA 3546	512423	EPA 8270	512560
60262831008	**SB-11**	EPA 3510C	512078	EPA 8270	512559
60262831009	**SB-14**	EPA 3510C	512078	EPA 8270	512559
60262831010	**SB-16**	EPA 3510C	512078	EPA 8270	512559
60262831012	**SB-11D**	EPA 3510C	512078	EPA 8270	512559
60262831013	**EQUIPMENT BLANK**	EPA 3510C	512078	EPA 8270	512559
60262831017	**FLOOR DRAIN WATER**	EPA 3510C	512078	EPA 8270	512559
60262831001	**SB-14 (3-5)**	EPA 5035A/8260	512196		
60262831002	**SB-14 (13-15)**	EPA 5035A/8260	512196		
60262831003	**SB-15 (3-5)**	EPA 5035A/8260	512196		
60262831004	**SB-15 (13-14)**	EPA 5035A/8260	512196		
60262831005	**SB-15 (14-15)**	EPA 5035A/8260	512196		
60262831006	**SB-16 (3-5)**	EPA 5035A/8260	512196		
60262831007	**SB-16 (13-15)**	EPA 5035A/8260	513194		
60262831015	**FLOOR DRAIN SEDIMENT**	EPA 5035A/8260	512196		
60262831016	**FLOOR SWEEPING**	EPA 5035A/8260	513194		
60262831008	**SB-11**	EPA 5030B/8260	512379		
60262831009	**SB-14**	EPA 5030B/8260	512379		
60262831010	**SB-16**	EPA 5030B/8260	512379		
60262831011	**SB-15**	EPA 5030B/8260	512379		
60262831012	**SB-11D**	EPA 5030B/8260	512379		
60262831013	**EQUIPMENT BLANK**	EPA 5030B/8260	512379		
60262831014	**TRIP BLANK**	EPA 5030B/8260	512379		
60262831017	**FLOOR DRAIN WATER**	EPA 5030B/8260	512379		
60262831008	**SB-11**	EPA 8260	512870		
60262831009	**SB-14**	EPA 8260	512870		
60262831010	**SB-16**	EPA 8260	512870		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60262831011	SB-15	EPA 8260	513300		
60262831012	SB-11D	EPA 8260	513300		
60262831013	EQUIPMENT BLANK	EPA 8260	513300		
60262831017	FLOOR DRAIN WATER	EPA 8260	513300		
60262831001	SB-14 (3-5)	EPA 8260	513132		
60262831002	SB-14 (13-15)	EPA 8260	513132		
60262831003	SB-15 (3-5)	EPA 8260	513132		
60262831004	SB-15 (13-14)	EPA 8260	513132		
60262831005	SB-15 (14-15)	EPA 8260	513132		
60262831006	SB-16 (3-5)	EPA 8260	513132		
60262831007	SB-16 (13-15)	EPA 8260	513197		
60262831015	FLOOR DRAIN SEDIMENT	EPA 8260	513132		
60262831016	FLOOR SWEEPING	EPA 8260	513197		
60262831001	SB-14 (3-5)	ASTM D2974	512470		
60262831002	SB-14 (13-15)	ASTM D2974	512470		
60262831003	SB-15 (3-5)	ASTM D2974	512470		
60262831004	SB-15 (13-14)	ASTM D2974	512470		
60262831005	SB-15 (14-15)	ASTM D2974	512470		
60262831006	SB-16 (3-5)	ASTM D2974	512470		
60262831007	SB-16 (13-15)	ASTM D2974	512470		
60262831015	FLOOR DRAIN SEDIMENT	ASTM D2974	512470		
60262831016	FLOOR SWEEPING	ASTM D2974	512470		
60262831008	SB-11	SM 4500-H+B	512835		
60262831009	SB-14	SM 4500-H+B	512835		
60262831010	SB-16	SM 4500-H+B	512835		
60262831013	EQUIPMENT BLANK	SM 4500-H+B	512835		
60262831017	FLOOR DRAIN WATER	SM 4500-H+B	512835		
60262831001	SB-14 (3-5)	EPA 9045	512529		
60262831002	SB-14 (13-15)	EPA 9045	512529		
60262831003	SB-15 (3-5)	EPA 9045	512529		
60262831004	SB-15 (13-14)	EPA 9045	512529		
60262831005	SB-15 (14-15)	EPA 9045	512529		
60262831006	SB-16 (3-5)	EPA 9045	512694		
60262831007	SB-16 (13-15)	EPA 9045	512694		
60262831015	FLOOR DRAIN SEDIMENT	EPA 9045	512694		
60262831016	FLOOR SWEEPING	EPA 9045	512694		
60262831008	SB-11	EPA 353.2	512195		
60262831009	SB-14	EPA 353.2	512195		
60262831010	SB-16	EPA 353.2	512195		
60262831013	EQUIPMENT BLANK	EPA 353.2	512195		
60262831017	FLOOR DRAIN WATER	EPA 353.2	512195		
60262831001	SB-14 (3-5)	EPA 9056	513199	EPA 9056	513203
60262831002	SB-14 (13-15)	EPA 9056	513199	EPA 9056	513203
60262831003	SB-15 (3-5)	EPA 9056	513199	EPA 9056	513203

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Meade Hansen Building 1/25-26
Pace Project No.: 60262831

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60262831004	**SB-15 (13-14)**	EPA 9056	513199	EPA 9056	513203
60262831005	**SB-15 (14-15)**	EPA 9056	513199	EPA 9056	513203
60262831006	**SB-16 (3-5)**	EPA 9056	513199	EPA 9056	513203
60262831007	**SB-16 (13-15)**	EPA 9056	513199	EPA 9056	513203
60262831015	**FLOOR DRAIN SEDIMENT**	EPA 9056	513199	EPA 9056	513203
60262831016	**FLOOR SWEEPING**	EPA 9056	513199	EPA 9056	513203
60262831001	**SB-14 (3-5)**	EPA 9056	513100	EPA 9056	513103
60262831002	**SB-14 (13-15)**	EPA 9056	513100	EPA 9056	513103
60262831003	**SB-15 (3-5)**	EPA 9056	513100	EPA 9056	513103
60262831004	**SB-15 (13-14)**	EPA 9056	513100	EPA 9056	513103
60262831005	**SB-15 (14-15)**	EPA 9056	513100	EPA 9056	513103
60262831006	**SB-16 (3-5)**	EPA 9056	513100	EPA 9056	513103
60262831007	**SB-16 (13-15)**	EPA 9056	513100	EPA 9056	513103
60262831015	**FLOOR DRAIN SEDIMENT**	EPA 9056	513100	EPA 9056	513103
60262831016	**FLOOR SWEEPING**	EPA 9056	513100	EPA 9056	513103
60262831008	**SB-11**	EPA 9056	513339		
60262831008	**SB-11**	EPA 9056	513534		
60262831009	**SB-14**	EPA 9056	513339		
60262831009	**SB-14**	EPA 9056	513534		
60262831010	**SB-16**	EPA 9056	513339		
60262831010	**SB-16**	EPA 9056	513454		
60262831013	**EQUIPMENT BLANK**	EPA 9056	513339		
60262831017	**FLOOR DRAIN WATER**	EPA 9056	513339		
60262831017	**FLOOR DRAIN WATER**	EPA 9056	513454		

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Sample Condition Upon Receipt

WO# : 60262831

60262831

Client Name: Tetra Tech EMI

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☑ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☐ Other ☐

Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☑

Custody Seal on Cooler/Box Present: Yes ☑ No ☐ Seals intact: Yes ☑ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☑ Foam ☑ None ☐ Other ☐

Thermometer Used: T-266 (CF+0.2) / T-239 (CF -0.1) **Type of Ice:** Wet Blue None

Cooler Temperature (°C): **As-read** 1.9/2.4/2.3 **Corr. Factor** CF +0.2 CF -0.1 **Corrected** 2.1/2.6/2.5

Date and initials of person examining contents:

Temperature should be above freezing to 6°C: 2.8/3.6/2.9/5.8/1.2 3.0/3.8/3.1/6.0/1.4 pw 1/26/18

Chain of Custody present:	☑Yes ☐No ☐N/A	
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	
Samples arrived within holding time:	☑Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr): pw 1/26	☑Yes ☐No ☐N/A	pH 102 103
Rush Turn Around Time requested:	☐Yes ☑No ☐N/A	
Sufficient volume:	☑Yes ☐No ☐N/A	
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☑Yes ☐No ☐N/A	
Filtered volume received for dissolved tests?	☐Yes ☐No ☑N/A	
Sample labels match COC: Date / time / ID / analyses	☑Yes ☐No ☐N/A	
Samples contain multiple phases? Matrix: SL/WT	☐Yes ☑No ☐N/A	
Containers requiring pH preservation in compliance? (HNO_3, H_2SO_4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO)	☑Yes ☐No ☐N/A	
Cyanide water sample checks: ☑ N/A Lead acetate strip turns dark? (Record only) ☐Yes ☐No Potassium iodide test strip turns blue/purple? (Preserve) ☐Yes ☐No		
Trip Blank present:	☑Yes ☐No ☐N/A	
Headspace in VOA vials (>6mm):	☐Yes ☑No ☐N/A	
Samples from USDA Regulated Area: State: MO	☐Yes ☑No ☐N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☑No ☐N/A	pw 1/26

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: JNS Date: 1/26/18

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Pace Analytical
www.pacelabs.com

Page: 1 of 2

Section A Required Client Information:

Company:	Tetra Tech EMI
Address:	415 Oak
	Kansas City, MO 64106
Email To:	Emily.Fisher@tetratech.com
Phone: (816) 412-1755	Fax:
Requested Due Date/TAT:	Standard

Section B Required Project Information:

Report To:	Emily Fisher
Copy To:	John Simpson
Purchase Order No.:	1146252
Project Name:	Mead Hansen Building Site
Project Number:	

Section C Invoice Information:

Attention:	Accounts Payable
Company Name:	Tetra Tech, Inc.
Address:	415 Oak St. Kansas City, MO 64106
Pace Quote Reference:	
Pace Project Manager:	Jeffrey Shopper 913-563-1408
Pace Profile #:	970

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MO

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: 8260 VOCs	8270 SVOCs	RCRA 8 Metals	8081 OC Pesticides	8141 OP Pesticides	8151 Herbicides	8270 DRO/ORO	8260 GRO	353.2 Nitrogen NO2/NO3	9056 Sulfate	pH	Dissolved RCRA 8 Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 6026283
1	SB-14 (3-5)	WT	G			1/24/18	0900		1						4			X	X	X	X	X	X	X	X	X	X	2	001
2	SB-14 (13-15)						0910											X	X	X	X	X	X	X	X	X	X		002
3	SB-15 (3-5)						1010											X	X	X	X	X	X	X	X	X	X		003
4	SB-15 (13-14)						1020											X	X	X	X	X	✓	X	X	X	X		004
5	SB-15 (14-15)						1030											X	X	X	X	X	X	X	X	X	X		005
6	SB-16 (3-5)						1110											X	X	X	X	X	X	X	X	X	X		006
7	SB-16 (13-15)						1120											X	X	X	X	X	X	X	X	X	X		007
8	~~SB-17~~																												
9																													
10																													
11																													
12																													

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
		1/24/18	0900		1/26/18	1025	2.1
							2.6
							2.5
							3.0
							3.8
							3.1
							6.8
							1.4

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JOHN R. SIMPSON

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 1/25/18

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.08, 12-Oct-2007

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Pace Analytical
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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Tetra Tech EMI	Report To:	Emily Fisher	Attention:	Accounts Payable
Address:	415 Oak	Copy To:	John Simpson	Company Name:	Tetra Tech, Inc.
	Kansas City, MO 64106			Address:	415 Oak St. Kansas City, MO 64106
Email To:	Emily.Fisher@tetratech.com	Purchase Order No.:	1146252	Pace Quote Reference:	
Phone:	(816) 412-1755 Fax:	Project Name:	Mead Hansen Building Site	Pace Project Manager:	Jeffrey Shopper 913-563-1408
Requested Due Date/TAT:	Standard	Project Number:		Pace Profile #:	970

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MO

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	8260 VOCs	8270 SVOCs	RCRA 8 Metals	8081 OC Pesticides	8141 OP Pesticides	8151 Herbicides	8270 DRO/ORO	8260 GRO	353.2 Nitrogen NO2/NO3	9056 Sulfate	pH	Dissolved RCRA 8 Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SB-11 6DG9H 2BP3U 2AG4U	WT	G	BP3N 20		BP3S 20	1/25/18 0830		19	11	1	1	6						X	X	X	X	X	X	X	X	X	X	2	60262831	
2	SB-14						1320		1	1	1	1	1						X	X	X	X	X	X	X	X	X	X		2AG2U 5AG1U	008
3	SB-16						1350		1	1	1	1	1						X	X	X	X	X	X	X	X	X	X			009
4	SB-15						1420		7			1	6						X		X					X					010
5	SB-11D BP3U						1610		10	3		1	6						X		X				X	X					011
6																															012
7																															
8																															
9																															
10																															
11	EQUIPMENT BLANK 6WAH	WT	G	2BP3U		2AG4U	1/25/18 1650		19	11	1	1	6	BP2N 20		BP3S 20		20	X	X	X	X	X	X	X	X	X	X	X		2AG2U 5AG1U	013
12	TRIP BLANK	WT	G				1/25/18 —		2				2						X											2DG9H	014

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		1/26/18	0900		1/26/18	1025

SAMPLE CONDITIONS

	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
2.1	X	X	X
2.6			
2.5			
3.0			
2.8			
3.1			
6.0			
1.4			

Temp in °C

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JOHN R. SIMPSON

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 1/25/18

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

CHAIN-OF-CUSTODY / Analytical Request Document

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Pace Analytical
www.pacelabs.com

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Tetra Tech EMI	Report To:	Emily Fisher	Attention:	Accounts Payable
Address:	415 Oak	Copy To:	John Simpson	Company Name:	Tetra Tech, Inc.
	Kansas City, MO 64106			Address:	415 Oak St. Kansas City, MO 64106
Email To:	Emily.Fisher@tetratech.com	Purchase Order No.:	1146252	Pace Quote Reference:	
Phone:	(816) 412-1755 Fax:	Project Name:	Mead Hansen Building Site	Pace Project Manager:	Jeffrey Shopper 913-563-1408
Requested Due Date/TAT:	Standard	Project Number:	103X9625140002.043	Pace Profile #:	970

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: MO

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	8260 VOCs	8270 SVOCs	RCRA 8 Metals	8081 OC Pesticides	8141 OP Pesticides	8151 Herbicides	8270 DRO/ORO	8260 GRO	353.2 Nitrogen NO2/NO3	9056 Sulfate	pH	Dissolved RCRA 8 Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	FLOOR DRAIN SEDIMENT	SL	C			1/26/18	0850		14	11					1	1			X	X	X	X	X	X	X	X	X	X		602 62831
2	FLOOR SWEEPING	SL	C			1	0903		14	11					1	1			X	X	X	X	X	X	X	X	X	X		
3	FLOOR DRAIN WATER	WT	C	1/26/18	2AGU	1	1000		19	11	1	1	6	2BP3U	1BP3N				X	X	X	X	X	X	X	X	X	X	X	1BP3S 2AGU 5AGU
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Mk Mannebach Tt ech	1-26-18	1132	[illegible]	1/26/18	1132	6.0	Y	N	Y
							1.4	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JOHN SIMPSON

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 1/26/18

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical®	Document Name: Sample Condition Upon Receipt	Document Revised: 09-26-17 Page 1 of 1
	Document No.: F-DAL-C-001-rev.07	Issuing Authority: Pace Dallas Quality Office

Sample Condition Upon R

WO# : 7581224

7581224

☒Dallas ☐Ft Worth

Client Name: Pace KS Project Work order:

Courier: FedEX ☒ UPS ☐ USPS ☐ Client ☐ LSO ☐ PACE ☐ Other:

Tracking #: 4122 4942 6837, 4122 4942 6815, 4122 4942 6848, 4122 4942 6826

Custody Seal on Cooler/Box: Yes ☐ No ☐ **Seals Intact:** Yes ☐ No ☐ NA ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☐ Foam ☐ None ☐ Other ☐

Thermometer Used: IR- CS4 Type of Ice: Wet ☐ Blue ☐ None ☐ Sample Received on ice, cooling process has begun ☐

Cooler Temp °C: 0,8 (Recorded) -0,5 (Correction Factor) 0,3 (Actual) ☐ (Thermal preservation not required)

1.2, 0.6, 0.5 Temp should be above freezing to 6°C 0.7, 0.1, 0.5

Chain of Custody Present	Yes ☐ No ☐ NA ☐	1
Chain of Custody filled out	Yes ☐ No ☐ NA ☐	2
Chain of Custody relinquished	Yes ☐ No ☐ NA ☐	3
Sampler name & signature on COC	Yes ☐ No ☐ NA ☐	4
Sample received within HT	Yes ☐ No ☐ NA ☐	5
Short HT analyses (<72 hrs)	Yes ☐ No ☐ NA ☐	6
Rush TAT requested	Yes ☐ No ☐ NA ☐	7
Sufficient Volume received	Yes ☐ No ☐ NA ☐	8
Correct Container used Pace Container used	Yes ☐ No ☐ NA ☐ Yes ☐ No ☐ NA ☐	9
Container Intact	Yes ☐ No ☐ NA ☐	10
Unpreserved 5035A soil frozen within 48 hrs	Yes ☐ No ☐ NA ☐	11
Filtered volume received for Dissolved tests	Yes ☐ No ☐ NA ☐	12
Sample labels match COC Include date/time/ID/analyses Matrix: (water/soil)	Yes ☐ No ☐ NA ☐	13
All containers needing preservation have been checked and found to be in Compliance with EPA recommendation (includes residual chlorine checks) **Exception:** VOA, coliform, O&G	Yes ☐ No ☐ NA ☐ Yes ☐ No ☐	14a. pH Strip Lot #: Original pH: pH<2 ☐ pH>9 ☐ pH>12 ☐ Neutral ☐ Lot# of Iodine strip: Lot# of Lead Acetate strip:
Do containers require preservation at the lab	Yes ☐ No ☐ NA ☐	14b. Preservation: / Lot# and adjusted pH: pH<2 ☐ pH>9 ☐ pH>12
Are soil samples (volatiles) received in Bulk ☐ Terracore ☐ EnCore ☐ NA ☐		15.
Trip Blank present Trip Blank Custody Seals Intact Pace Trip Blank Lot# (if purchased):	Yes ☐ No ☐ NA ☐ Yes ☐ No ☐ NA ☐	16.
Headspace in VOA (>6mm)	Yes ☐ No ☐ NA ☐	17.
Project sampled in USDA Regulated Area:	Yes ☐ No ☐	18. List State

Triage Person: DCP Date: 1/30/18 **Login Person:** [illegible] Date: 1/30/18 **Labeling Person:** [illegible] Date: 1/30/18

Client Notification/Resolution/Comments:

Person Contacted: Date:

Comments/Resolution:

Project Manager Review: [signature]

7581224

Chain of Custody

Pace Analytical®
www.pacelabs.com

☐ Samples were sent directly to the Subcontracting Laboratory.

Workorder: 60262831 **Workorder Name:** Meade Hansen Building Site **Owner Received Date:** 1/26/2018 **Results Requested By:** 2/9/2018

Report To	Subcontract To
Jeffrey Shopper Pace Analytical Kansas 9608 Loiret Blvd. Lenexa, KS 66219 Phone 1(913)563-1408	Pace Analytical Dallas 400 West Bethany Drive Suite 190 Allen, TX 75013 Phone (972)727-1123

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved						Requested Analysis: 8081 Pesticides	8141 Pesticides	8151 Herbicides										LAB USE ONLY
1	SB-14 (3-5)	PS	1/25/2018 09:00	60262831001	Solid	2						X	X	X										
2	SB-14 (13-15)	PS	1/25/2018 09:10	60262831002	Solid	2						X	X	X										
3	SB-15 (3-5)	PS	1/25/2018 10:10	60262831003	Solid	2						X	X	X										
4	SB-15 (13-14)	PS	1/25/2018 10:20	60262831004	Solid	2						X	X	X										
5	SB-15 (14-15)	PS	1/25/2018 10:30	60262831005	Solid	2						X	X	X										
6	SB-16 (3-5)	PS	1/25/2018 11:10	60262831006	Solid	2						X	X	X										
7	SB-16 (13-15)	PS	1/25/2018 11:20	60262831007	Solid	2						X	X	X										
8	SB-11	PS	1/25/2018 08:30	60262831008	Water	5						X	X	X										
9	SB-14	PS	1/25/2018 13:20	60262831009	Water	5						X	X	X										
10	SB-16	PS	1/25/2018 13:50	60262831010	Water	5						X	X	X										
11	EQUIPMENT BLANK	PS	1/25/2018 16:50	60262831013	Water	5						X	X	X										
12	FLOOR DRAIN SEDIMENT	PS	1/26/2018 08:50	60262831015	Solid	2						X	X	X										
13	FLOOR SWEEPING	PS	1/26/2018 09:00	60262831016	Solid	2						X	X	X										
14	FLOOR DRAIN WATER	PS	1/26/2018 10:00	60262831017	Water	5						X	X	X										

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1	[signature]	1/29/18 1800	Daniel Palm Pace	1/30/18 0930	J-Flag results and report to MDL
2					
3					

0.3 0.5

Cooler Temperature on Receipt 0.7 °C 0.7 | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*

This chain of custody is considered complete as is since this information is available in the owner laboratory.

APPENDIX G

PROPERTY PROFILE FORM

United States
ENVIRONMENTAL PROTECTION AGENCY
Washington, DC 20460

Draft For Approval
OMB Number No. 2050-0192
Expires 05/31/2016

PROPERTY PROFILE FORM—Brownfields

Public reporting burden for this collection of information is estimated to average x.xx hours per response, including the time for reviewing instructions, searching data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate, or any other aspect of this collection of information, including suggestions for reducing this burden, to the Environmental Protection Agency, Office of Environmental Information, Code 2822T, Washington, DC 20460; and to the Paperwork Reduction Project, Office of Management and Budget, Washington, DC 20503. DO NOT RETURN your form to either of these addresses. Send your completed form to the address provided by the issuing office.

PART I- PROPERTY INFORMATION

COOPERATIVE AGREEMENT RECIPIENT INFORMATION

1. Cooperative Agreement Recipient Name (State/Tribe for Section 128(a) Cooperative Agreements; requestor/contractor for TBAs):

Mead Hansen Building

2. Cooperative Agreement Number (Contract number for TBAs):

EP-S7-13-06

3. What type of cooperative agreement funding is being used for this property?

- ☐ Assessment
- ☐ Revolving Loan Fund
- ☐ Cleanup
- ☐ Area Wide Planning
- ☐ Section 128(a) – State and Tribal Response
- ☐ Multi-Purpose Grant
- ☑ TBA (EPA Regions Only)

4. For Assessment, Cleanup, and Revolving Loan Fund cooperative agreements, what type of funding is being used at this property?

- ☐ Hazardous Substance
- ☐ Petroleum
- ☑ Both

5a. Indicate if this form is the initial or Updated Form:

- ☑ Initial Form
- ☐ Updated Form

5b. If "Updated Form," what's the ACRES Property ID?

PROPERTY BACKGROUND INFORMATION

6. Property Name: Mead Hansen Building

7a. Street Address: 408/424 S. 8th Street

7b. City: St. Joseph

7c. County: Buchanan

7d. State: MO

7e. ZIP Code: 64501

8. Size (in acres): 0.71

9. Parcel Number(s): 06-3.0-08-004-003-055.000

STATE & TRIBAL BROWNFIELDS/VOLUNTARY RESPONSE PROGRAM INFORMATION

10. State & Tribal Program Enrollment (If the property is not enrolled in a state program, check the Property Not Enrolled check box):

Date of Enrollment:

ID Number (if applicable):

☑ This Property Is Not Enrolled in a State or Tribal Program

PROPERTY GEOGRAPHIC INFORMATION *(EPA Brownfields Program, or its contractors, will provide complete latitude/longitude information if cooperative agreement recipients are unable)*

11a. Latitude (Use 00.000000 decimal degree format):

39.763628

11b. Longitude (Use -000.000000 decimal degree format):

-94.851034

11c. Horizontal Collection Method:

Global Positioning Method- Unspecified Parameters

11d. Source Map Scale Number (Only if a map/photo was used):

11e. Reference Point (e.g., Center of Facility or Station):

Center of a Facility or Station

11f. Horizontal Reference Datum (Choose one):

- ☐ NAD27-North American Datum of 1927
- ☐ NAD83-North American Datum of 1983
- ☑ WGS84-World Geodetic System of 1984

PART II- ENVIRONMENTAL ACTIVITIES

ENVIRONMENTAL ASSESSMENT INFORMATION *(Mandatory for Assessment Cooperative Agreements, State and Tribal Property-Specific Assessments, and TBAs; and, if information is available, for Cleanup and RLF cooperative agreement recipients. CA = Cooperative Agreement)*

Table A – Environmental Assessment Activity (If there are multiple assessments, please use a separate line for each assessment)

Environmental Assessment Detail			Source of Funding (enter one source of funding per line; do not include funding received prior to the award of this EPA CA)						
Activity	Start Date	Completion Date	This US EPA CA	Other Federal	State/Tribal (exclude §128(a) funds)	Local Gov't	Private/ Other	Name of Entity Providing Funds	Amount of Funding Expended on this Activity
Phase I	10/1/2016	10/1/2016	☐	☐	☑	☐	☐	MDNR B/VCP	
Phase II	5/1/2017		☑	☐	☐	☐	☐	U.S. EPA Region 7	$94,000.00
Phase I			☑	☐	☐	☐	☐		
Supplemental Assessment			☑						
Cleanup Planning			☑						
Cleanup Planning			☑						

12a. Indicate Whether Cleanup is Necessary: ☑ Yes ☐ No ☐ Unknown

12b. If Unknown, Select Reason: If Other _____

CONTAMINANTS & MEDIA AFFECTED INFORMATION *(Mandatory for all cooperative agreement types)*

Table B - Contaminants and Media Affected (check all that apply):

Contaminants

Class of Contaminant	REC*	Found	Cleaned Up
Petroleum/Petroleum Products	☐	☐	☐
Controlled Substances	☐	☐	☐
Asbestos	☑	☑	☐
PCBs	☐	☐	☐
Pesticides	☐	☐	☐
SVOCs	☐	☐	☐
VOCs	☐	☐	☐
Lead	☑	☑	☐
Other Metals	☑	☑	☐
_____	☐	☐	☐
Other Contaminants	☐	☐	☐
_____			
No Contaminants	☐		
Unknown	☐		

Media

Media	Affected	Cleaned Up
Soil	☑	☐
Air	☐	☐
Surface Water	☐	☐
Ground Water	☑	☐
Drinking Water	☐	☐
Sediments	☐	☐
Building Materials	☑	☐
Indoor Air	☐	☐
No Media Affected	☐	
Unknown	☐	

*REC = Recognized Environmental Conditions

ENVIRONMENTAL CLEANUP INFORMATION *(Mandatory for Cleanup and RLF Cooperative Agreements and State & Tribal Property-Specific Cleanups; and, if information is available, for Assessment Cooperative Agreements and TBAs)*

13. Cleanup Activity Start Date: _____

14a. Cleanup Activity Completion Date: _____

15. Acres Cleaned Up: _____

14b. Cleanup Completion Documentation

☐ NFA ☐ Environmental Professional Certified

16. Date No Further Action/Cleanup Completion Document Issued

(If the property was not enrolled in a state or tribal program, leave blank): Date: _____

17. Number of Cleanup Jobs Leveraged: _____

18. If EPA Brownfields funding was used, indicate the type and amount (If any non-EPA funding was used, fill out Table C):

Type	Amount	Date RLF Loan Signed	Type	Amount	Date RLF Subgrant Signed
☐ Cleanup Cooperative Agreement			☐ RLF Subgrant		
☐ RLF Loan			☐ Section 128(a) State/Tribal		

Table C - Environmental Cleanup Leveraged Funding Detail

Source of Funding (Enter one source of funding per line; do not include funding received prior to the award of this EPA Cooperative Agreement)					Name of Entity Providing Funds	Activity Funded	Amount of Funding Expended on this Activity
Other Federal	State/Tribal (exclude §128(a) funds)	Local Gov't	Private/ Other	Cost Share			
☐	☐	☐	☐	☐			
☐	☐	☐	☐	☐			
☐	☐	☐	☐	☐			

PART II- ENVIRONMENTAL ACTIVITIES (continued)

INSTITUTIONAL & ENGINEERING CONTROLS INFORMATION *(Mandatory for all cooperative agreement types)*

19a. Indicate whether Institutional Controls are required: ☐ Yes ☐ No ☑ Unknown

19b. If Institutional Controls were required, indicate the category (check all that apply):

☐ Proprietary Controls (e.g., easements, covenants)
☐ Governmental Controls (e.g., zoning, building codes)
☐ Informational Devices (e.g., state registries, deed notices)
☐ Enforcement/Permit Tools (e.g., permits, consent decrees)

Additional Institutional Controls Information:

Address of Data Source (URL if available): _____

19c. Indicate whether Institutional Controls in place: ☐ Yes ☑ No Date: _____

20a. Indicate whether Engineering Controls are required: ☐ Yes ☐ No ☑ Unknown

20b. If Engineering Controls were required, indicate the category (check all that apply):

☐ Cover Technologies (e.g., Capping)
☐ Immobilization Process (e.g., Encapsulation, In-Situ Solidification)
☐ Engineered Barriers (e.g., Slurry Walls, Sheet)
☐ Security (e.g., Guard, Fences)
☐ Other _____

Additional Engineering Controls Information:

Address of Data Source (URL if available): _____

20c. Indicate whether Engineering Controls in place: ☐ Yes ☐ No Date: _____

REDEVELOPMENT AND OTHER LEVERAGED ACCOMPLISHMENTS *(Mandatory for Assessment, Cleanup and RLF Cooperative Agreements; and, if information is available, for State and Tribal Property Specific Activities and TBAs)*

21. Redevelopment Start Date: _____ **22.** Redevelopment Completion Date: _____

Table D- Redevelopment Leveraged Funding Detail

Source of Funding (Enter one source of funding per line; do not include funding received prior to the award of this EPA Cooperative Agreement)				Name of Entity Providing Funds	Activity Funded	Amount of Funding Expended on this Activity
Other Federal	State/Tribal	Local Gov't	Private/ Other			
☐	☐	☐	☐			
☐	☐	☐	☐			
☐	☐	☐	☐			
☐	☐	☐	☐			

23. Number of Redevelopment Jobs Leveraged: _____

24. Future Use, Planned and Actual Acreage (Check all that apply. For properties with multi-story buildings only, please indicate both the entire square footage and the square footage for each type of reuse (e.g., a three-story building with first floor commercial and remaining floors residential).

	Planned		Actual	
	Acres	**Sq. Ft.**	**Acres**	**Sq. Ft.**
☐ Residential				
☐ Greenspace				
☐ Industrial				
☑ Commercial	**0.71**		**0.71**	
☐ Multi-story				

PART II- ENVIRONMENTAL ACTIVITIES (continued)

ANECDOTAL PROPERTY INFORMATION *(If information is available for all cooperative agreement types)*

25. Property Highlights:

The Mead Hansen site is a 0.71-acre property that contains a vacant industrial building with an asphalt parking lot on the north-central portion. The site includes 408 and 424 S. 8th Street in downtown St. Joseph, Buchanan County, Missouri. The subject property is occupied by a vacant industrial building and an asphalt parking lot in downtown St. Joseph. Historical documents and interviews indicate the subject property was previously occupied by a lumberyard, residential dwellings, car dealership and service garage, and jewelry store; and most recently, a storage/dry chemical mixing facility for HPI Products—a contract packaging, liquid, dry and formulation service to agriculture, industrial, detergent, and chemical markets. The proposed future use of the property is for use as a parking area for the adjanent City of St. Jospeh fire staton.

PROPERTY PHOTOGRAPH INFORMATION

26. Indicate whether photographs are available: ☑ Yes ☐ No **27.** Indicate whether video is available: ☐ Yes ☑ No

PART III- ADDITIONAL PROPERTY INFORMATION

PROPERTY HISTORY INFORMATION

28. Property Description / History / Past Ownership:

See above anecdotal property information

29. Predominant Past Use(s) (Check all that apply. For properties with multi-story buildings only, please indicate both entire square footage and the square footage for each type of past use (e.g., a three-story building with first floor commercial and remaining floors residential.)

	Actual Acres	Square Feet
☐ Residential		
☐ Greenspace		
☐ Industrial		
☑ Commercial	0.71	
☐ Multi-story building		

OWNERSHIP & SUPERFUND LIABILITY *(Mandatory for Cleanup and RLF Cooperative Agreements)*

30a. Ownership Entity:

☐ Government (Tribal, State, Local) ☑ Private

30b. Current Owner:

St. Joseph Properties LLC

31a. During the life of the cooperative agreement, did ownership change?

☐ Yes ☐ No

31b. If "yes," did Superfund federal landowner liability protections factor into the ownership change?

☐ Yes ☐ No ☐ Unknown

PART IV- APPROVALS

32. Cooperative Agreement Recipient Project Manager

Name (please print):	Signature	Date:
Kathy Hahn, Loan Officer/Brownfield Coordina		

33. US EPA Regional Representative

Name (please print):	Signature	Date:
Todd Davis, Project Manager		