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PHASE II ENVIRONMENTAL SITE ASSESSMENT

OF

WEST BAXTER BUSINESS PARK
TIMBERWOOD DRIVE
BAXTER, MN 56425

Prepared for

Potlatch Lake States Timberlands LLC
2340 Scorpio Lane
Bemidji, MN 56601

December 2015

WSN NO. 00270B0714.000

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1.0 SUMMARY

Widseth Smith Nolting (WSN) has completed a limited Phase II Environmental Site Assessment (ESA) for the future West Baxter Business Park in Baxter, Minnesota. This ESA was conducted to determine if hydrocarbon contamination was present near what was formerly used as a workshop with an adjacent aboveground storage tank.

The target property is at the western limits of Crow Wing County and the City of Baxter, Minnesota and consists of 14 parcels totaling approximately 297 acres. The target property is bounded to the north by BNSF railway, Sylvan Township/Cass County to the west, Mapleton Road to the south, and abuts property to the east in the City of Baxter. Of the 297 acres, 5.1 acres are currently developed for commercial usage. Parcel information is available on the Crow Wing County Geographic Information System (GIS) Public Map Service.

Fieldwork was conducted on December 1, 2015. During the assessment, four soil probes were advanced to depths ranging from 25 to 30 feet and screened for organic vapors to investigate for the presence of hydrocarbon contamination. Probe locations were chosen based on the past use of the location as identified in the previous Phase I ESA.

Groundwater samples were collected from all push probes for laboratory analysis of diesel range organics (DRO), gasoline range organics (GRO), and method 8260 volatile organic compounds (VOC).

Groundwater samples submitted for analysis returned values lower than instrumentation limits indicating no contamination was detected.

2.0 SITE BACKGROUND

West Baxter Business Park is bounded to the north by BNSF railway, Sylvan Township/Cass County to the west, Mapleton Road to the south, and abuts private property to the east in the City of Baxter (Figs 1 and 2). The target property is approximately 97 percent undeveloped with trees, brush, open fields, and wetlands. Developed commercial property accounts for about 3 percent of the target property. The northern third of the target property contained more open areas than what was primarily observed to the south. There is a greater concentration of wooded areas in the southwest third of the target property.

The target property was partially farmed in the early 1900s and the area was logged until the 1960s. After that, the fields were allowed to revert to fields and woodland. In 1984 a portion of the target property was developed with an access road, buildings, and wood storage area.

The area surrounding the target property is mostly undeveloped land with some tilled agricultural and residential development nearby.

3.0 METHODS

On December 1, 2015, Mike Bogart, WSN environmental technician, was on-site to direct the advancement of four soil probes and to collect soil and or groundwater samples for laboratory analysis. Probe locations were selected based on the past use of the property as identified in the recently completed Phase I ESA. The analyses were necessary to assess the site for evidence of subsurface contamination relative to the historical presence of a work shop with an aboveground storage tank. The four soil probe locations, Figure 3, were advanced by Traut Wells from Waite Park, Minnesota.

Soil probes were advanced to depths ranging from 25 to 30 feet below land surface (BLS) using a push probe rig. During probe advancement, soil samples were collected every 60 inches for field organic vapor screening using a MiniRae Photoionization Detector (PID) equipped with a 10.2 eV lamp. Field organic vapor screening results are presented in Table 1.

Soil samples were also inspected for visual and olfactory indications of contamination (i.e., discoloration and odors).

Groundwater samples were collected from each probe encountering the water table and the environmental technician wore new nitrile gloves at each sample location. Samples were collected through dedicated screens using single use tubing fitted with a check ball. Groundwater samples were placed in the appropriate laboratory-supplied containers, placed on ice, and submitted to the laboratory under standard COC procedures. A summary of WSN's field methods and procedures is included in Appendix A.

4.0 SITE GEOLOGY AND STRATIGRAPHY

According to the Crow Wing County Atlas Series C-16, Plate 3- Surficial Geology, the target property is on deposits associated with a paleo-lake, Glacial Lake Brainerd. This material has been shown to be well-sorted sand that is very fine to medium grained and non-calcareous. At depths greater than 10 feet, sediment may contain interbedded silt and clay layers, as well as deltaic sands and gravels deposited by meltwater streams of the retreating Rainy Lobe. The surficial outwash deposits have been reworked by fine-grained eolian sand. The eolian sands overlay 30 to 40 feet of lacustrine sediments.

Based on local well records, outwash sands and gravels and variable clay layers are found beneath the lacustrine sediments and extend up to 150 feet, or more. Bedrock in the area is located at a depth of 100 to 150 feet and consists chiefly of siltstone and some sandstone.

A surficial water table is present in most of the lacustrine sand throughout the area at an approximate depth of 20 feet below the ground surface and is characterized by high porosity, permeability and transmissivity. Nearby well logs indicate clay is present in the surficial sands. This layer can extend to a depth of 108 feet. Static water level of the sampled area ranged from 21.1 to 23.2 feet below the ground surface.

Regional groundwater flow within this water table is to the west-southwest, toward the Gull River and the Crow Wing River. Groundwater can also be found in buried sand layers and to a much lesser extent, in the fractures in underlying bedrock. Groundwater flow in these units is probably also to the south with regional flow.

Well and boring records were obtained from the Minnesota Department of Health Well Index (MWI) for wells located near the assessment area. Copies of the test boring logs are presented in Appendix B.

5.0 ANALYTICAL RESULTS

Groundwater samples from the four push probes were submitted to the laboratory for analysis of DRO, GRO, and VOCs. Initially, three of four samples returned a result for DRO slightly above instrumentation detection limits. However, since there were no initial visual or olfactory indicators of contamination observed in any of the soil samples to suggest contamination, a silica-gel cleanup method was utilized for verification. In certain instances, false positives may occur in laboratory analysis as a result of the natural organic acids in the groundwater. As a result, all re-analyzed DRO samples were below instrumentation detection limits. Groundwater analytical results are reported in Table 2. Pace Analytical Services in Minneapolis, Minnesota analyzed the groundwater samples. The complete laboratory analytical report is included in Appendix C.

6.0 DISCUSSION

The four soil probes sampled as part of this ESA were advanced at locations determined to most likely encounter contamination from historical use. During the course of the assessment, field organic vapor screening results did not suggest the presence contamination at the sampled location. As a result, four groundwater samples were submitted for laboratory analysis for DRO, GRO, and VOC's.

Three of four groundwater samples returned a result for DRO slightly above instrumentation detection limits. However, as no visual or olfactory indicators were observed during field screening of the soil samples suggesting the presence of contamination, an alternate testing method was utilized for

analytical verification. As a result, all re-analyzed DRO samples were below instrumentation detection limits.

Based on the field observations/screening and laboratory analyses, petroleum or solvent contaminated soil and groundwater was not encountered in the soil boring locations chosen. Because the soil borings were advanced at locations expected to represent the highest likelihood of encountering contamination (i.e., former tank location and workshop), it can be assumed that significant petroleum soil and groundwater contamination does not exist in the area of the former buildings.

Based on the lack of contamination in the soil and groundwater samples, little to no risk is present on the target property from current or historical usage activities. Any planned development of the target property that includes subsurface excavation, should consider the possibility that additional soil and/or groundwater contamination, not detected by this assessment, may be encountered.

7.0 STANDARD OF CARE

This report was prepared following standard environmental industry practices. The conclusions are based on field observations and current practices, as presented in the report and represent the professional opinions of WSN staff. This assessment was completed only for petroleum contamination. The presence or absence of contamination can only be reported at the location of each boring. No other assurances are applied or assumed. Opinions were arrived at with currently accepted geologic, hydrogeologic, and engineering practices at this time and location. The report was prepared or reviewed by a certified or registered WSN professional with a background in engineering, environmental, and/or the natural sciences.

This report was prepared by:

1/14/16

Vladimir B. Zivkovic
Environmental Scientist

Date

Reviewed by:

1/14/16

Brian A. Ross, P.G.
Director of Environmental Services

Date

FIGURES

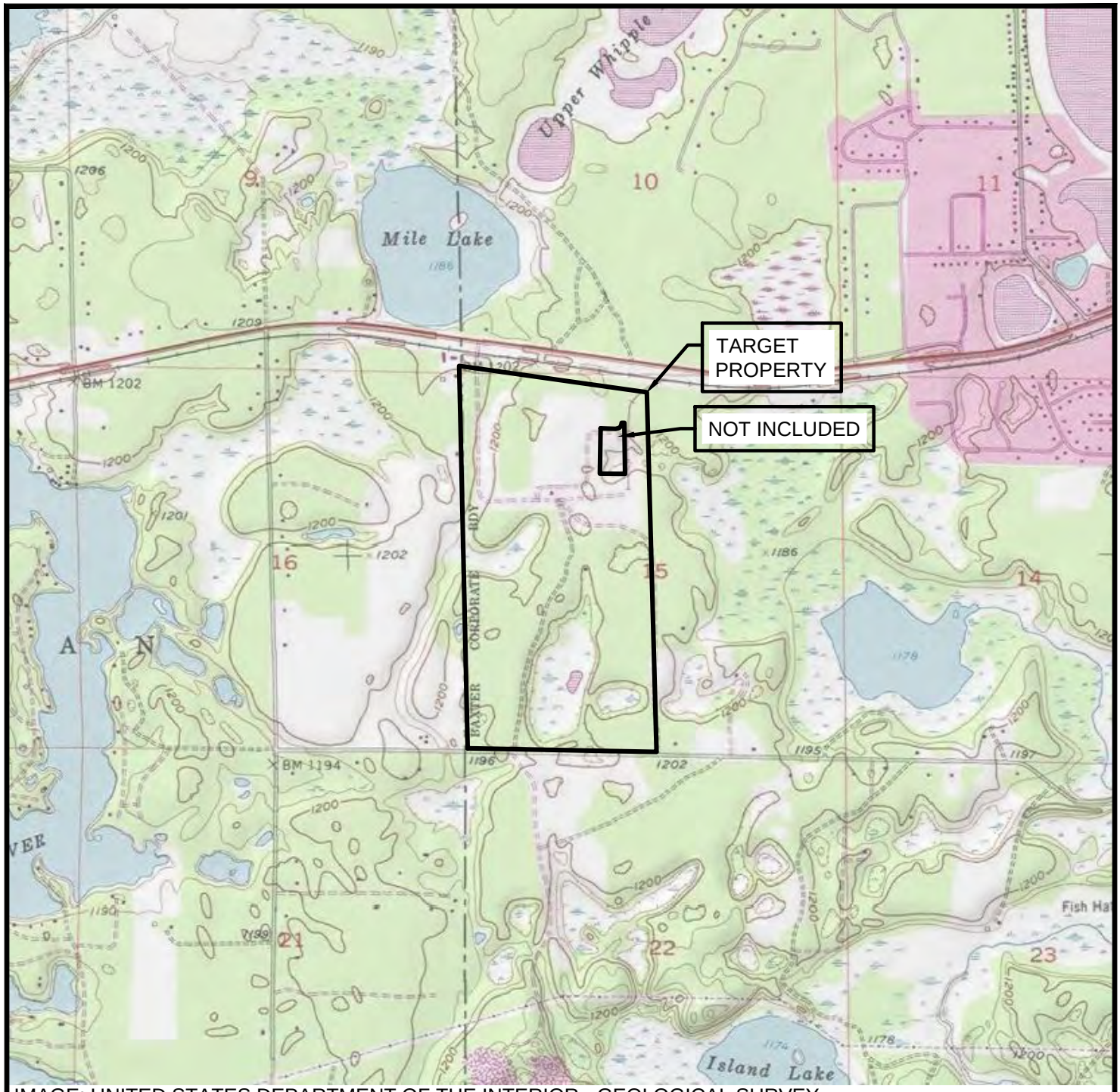

IMAGE: UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY

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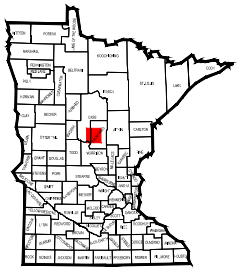
AREA LOCATION



NORTH

0 2000 4000

(IN FEET)

U.S.G.S. QUADRANGLE MAPS:
BAXTER

PUBLISHED: 1954
PHOTOREVISED: 1994

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PHASE II ENVIRONMENTAL SITE ASSESSMENT
WEST BAXTER BUSINESS PARK
BAXTER, MN

SITE LOCATION MAP

DATE: DECEMBER 2015

JOB No. 0270B0714.000

FIGURE 01

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IMAGE: ESRI, INC.

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NORTH

0 1000
(SCALE IN FEET)

PHASE II ENVIRONMENTAL SITE ASSESSMENT
WEST BAXTER BUSINESS PARK
BAXTER, MN

SITE DETAIL

DATE:	
DECEMBER 2015	
JOB No.	FIGURE
0270B0714.000	02

LEGEND

T	TELEPHONE PEDESTAL
UGT	UNDERGROUND TELEPHONE CABLING
SB	SOIL BORING LOCATION
B	BENZENE
T	TOLUENE
E	ETHYL-BENZENE
X	XYLENES
GRO	GASOLINE RANGE ORGANICS
DRO	DIESEL RANGE ORGANICS

NOTES:
LOCATION OF STRUCTURES AND UTILITIES ARE APPROXIMATE. VERIFY UTILITIES BEFORE STARTING ANY SUBSURFACE WORK.

GROUNDWATER ANALYTICAL RESULTS ARE REPORTED IN MICROGRAMS/LITER (Õg/l).

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IMAGE: GOOGLE EARTH

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NORTH

0 1000
(SCALE IN FEET)

PHASE II ENVIRONMENTAL SITE ASSESSMENT
WEST BAXTER BUSINESS PARK
BAXTER, MN

DETAIL OF TESTING AREA

DATE: DECEMBER 2015
JOB No. 0270B0714.000
FIGURE 03

TABLES

Table 1
Soil Headspace Results

Depth (feet)	Soil Boring SB-1 (ppm)	SB-2 (ppm)	SB-3 (ppm)	SB-4 (ppm)
(0-2')	1.2	0.2	0.2	0.2
(2'-5')	0.4	0.2	0.2	0.3
(5'-10')	0.5	0.2	0.2	0.3
(10'-15')	0.5	0.4	0.2	--
(15'-20')	0.5	0.4	0.3	0.4
(20'-25')	0.3	0.5	0.2	0.4
(25'-30')	0.1	0.5	--	0.4

ppm = parts per million
-- = No Sample Obtained

Table 2
Groundwater Analytical Results

	Soil Boring SB-1 12/1/2015	SB-2 12/1/2015	SB-3 12/1/2015	SB-4 12/1/2015	Trip Blank 12/1/2015
Analyte	mg/L	mg/L	mg/L	mg/L	mg/L
DRO	<0.11	<0.11	<0.11	<0.11	
DRO[1]	0.11	0.13	<0.11	0.22	
GRO	<0.11	<0.11	<0.11	<0.11	
Analyte	µg/L	µg/L	µg/L	µg/L	µg/L
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0
Ethyl-Benzene	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0
Xylene (Total)	<3.0	<3.0	<3.0	<3.0	<3.0
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,3-Trichloropropane	<4.0	<4.0	<4.0	<4.0	<4.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromoethane (EDB)	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	<5.0
2-Butanone	<5.0	<5.0	<5.0	<5.0	<5.0
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0
Acetone	<20	<20	<20	<20	<20
Allyl Chloride	<4.0	<4.0	<4.0	<4.0	<4.0
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	<5.0	<5.0	<5.0	<5.0	<5.0
Bromomethane	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	<4.0	<4.0	<4.0	<4.0	<4.0
cis-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	<5.0	<5.0	<5.0	<5.0	<5.0
Dichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	<5.0	<5.0	<5.0	<5.0	<5.0
Hexachloro-1,3-butadiene	<1.0	<1.0	<1.0	<1.0	<1.0
Isopropylbenzene (cumene)	<1.0	<1.0	<1.0	<1.0	<1.0
m,p-Xylene	<2.0	<2.0	<2.0	<2.0	<2.0
Methyl Isobutyl Ketone	<5.0	<5.0	<5.0	<5.0	<5.0
Methylene Chloride	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl-tert-butyl ether	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	<5.0	<5.0	<5.0	<5.0	<5.0
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrahydrofuran	<10	<10	<10	<10	<10
trans-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl chloride	<0.40	<0.40	<0.40	<0.40	<0.40

mg/L = miligrams per liter = parts per million (ppm)
µg/L = micrograms per liter = parts per billion (ppb)
Note 1 = Before Silica-gel cleanup

APPENDICES

APPENDIX A

FIELD METHODS AND PROCEDURES

FIELD METHODS AND PROCEDURES

1.0 SOIL SAMPLING

Soil samples were obtained from the borings advanced by Traut Wells. Samples were collected using Macro-Core Samplers or similar, which provide continuous sample collection downward using 48" x 1.5" diameter tool and retains the sample in a PETG (clear plastic) liner tube. This allows for continuous sampling the entire length of the Geoprobe bore hole. After collection, the sample tubes are removed from the macro-core barrel, the liner tube is cut open and grab samples are collected from the liner tube for field analysis of organic vapors.

2.0 DECONTAMINATION OF DRILLING EQUIPMENT

The downhole drilling/boring equipment and associated tools were steam cleaned prior to the start of any project work. In addition, a new dedicated disposable core tube was used for each sampling interval to prevent cross-contamination.

3.0 SOIL CLASSIFICATION

Samples obtained in the field were visually and manually classified by a WSN representative in accordance with ASTM: D2488-93. Representative portions of the samples were then returned to WSN's office in the event there is need for further examination and verification of the field classification. The classification of soil boring samples, soil boring depths, identification of the various strata, the soil consistency, water level information, and pertinent information regarding the method of maintaining and advancing the drill holes are presented on boring logs. Charts describing the soil classification procedure, the descriptive terminology, and symbols used on the boring logs are included with the logs.

4.0 SOIL ORGANIC VAPOR MONITORING

Soil samples were screened for organic vapors with an HNU Model 101 photoionization detector (PID) equipped with a 10.2 eV lamp and calibrated for a direct equivalent reading of parts per million benzene. Organic vapor concentrations were recorded using the headspace method. Soils were also screened using an explosimeter calibrated to read methane to aid in determining what samples to submit for laboratory analysis.

5.0 SOIL SAMPLING FOR CHEMICAL ANALYSIS

Soil samples submitted for chemical analysis were collected using decontaminated sampling equipment and new latex gloves. Soil samples were placed in clean jars with teflon-lined lids and stored in coolers containing ice packs. The cooler was then shipped to the analytical laboratory using standard chain-of-custody forms and procedures.

6.0 GROUNDWATER LEVEL MEASUREMENTS

Groundwater level measurements were obtained using an electronic measuring instrument. The instrument is equipped with a probe that emits an electric signal when in contact with water. Measurements are obtained by lowering the probe into the boring or well and recording the depth of the probe when the electric signal indicates contact with water. Measurements are referenced to the top of ground surface or the top of the temporary casing and recorded to the nearest 0.01 feet. The manufacturer's reported accuracy for the instrument is 0.04 feet.

7.0 GROUNDWATER SAMPLING FOR CHEMICAL ANALYSIS

Groundwater samples submitted for chemical analysis were collected using disposable sampling equipment and new latex gloves. Groundwater samples were placed in clean jars with teflon-lined lids and stored in coolers containing ice packs. The cooler was then shipped to the analytical laboratory using standard chain-of-custody forms and procedures.

8.0 SURVEYING

Surface elevations of the soil boring were surveyed. Elevations were recorded to the nearest 0.1 feet for soil borings and 0.01 for monitoring wells.

APPENDIX B

SOIL PROBE LOGS

Log of Test Borings

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Project Number:	0270B0714.000
Project Name:	West Baxter Business Park
Project Location:	Baxter, MN
Boring Number:	SB-1
Surface Elevation:	1202.14
Start Date:	12/1/2015
Time:	10:20
Completion Date:	12/1/2015
Time:	10:45

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Description
10:20	CS	43	Da	1.2 0.4	SP	5	LACUSTRINE, Loose, Brown to Tan, SILTY SAND to SAND WITH TRACE GRAVEL. Sand is fine/medium/coarse grained.
10:25	CS	37	Da-M	0.5	SP	10	Sand becomes medium/coarse grained with some Coarse grains, trace Gravel.
10:30	CS	35	Da-M	0.5	SP	15	
10:35	CS	8	Da-M	0.5	SP	20	
10:40	CS	4	W	0.3	SP	25	Sand becomes fine/medium coarse grained, Tan, trace gravel.
10:45	CS	28	W	0.1	SP	30	
							End of Boring at 30 feet

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level
12/1/15	10:50	25-30	30	30	21.3

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Drilling Method:	Geoprobe
Backfill Method:	Bentonite
Field Representative:	M. Bogart

Log of Test Borings

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Project Number:	0270B0714.000
Project Name:	West Baxter Business Park
Project Location:	Baxter, MN
Boring Number:	SB-2
Surface Elevation:	1202.88
Start Date:	12/1/2015
Time:	11:20
Completion Date:	12/1/2015
Time:	11:45

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Description
11:20	CS	39	Da	0.2 0.2	SP		LACUSTRINE, Loose, Brown, SILTY SAND SAND, Loose, Red/Tan in color. Sand is fine/medium/coarse grained.
					CL	5	LACUSTRINE SANDY CLAY, Soft, Red/Tan.
11:25	CS	36	Da	0.2	SP		LACUSTRINE SAND WITH TRACE GRAVEL, Loose, Tan. Sand is fir /medium/coarse grained.
						10	
11:30	CS	38	Da-M	0.2	SP		Sand becomes medium to coarse grained.
						15	
11:35	CS	56	M	0.4	SP		
						20	
11:40	CS	38	W	0.5	SP		
						25	Sand with Gravel
11:45	CS	54	W	0.3	SP		Sand becomes fine grained with some medium/coarse grained Sand and Gravel.
						30	
							End of Boring at 30 feet

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level
12/1/15	12:00	22-27	27	27	23.2

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Drilling Method:	Geoprobe
Backfill Method:	Bentonite
Field Representative:	M. Bogart

Log of Test Borings

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Project Number:	0270B0714.000
Project Name:	West Baxter Business Park
Project Location:	Baxter, MN
Boring Number:	SB-3
Surface Elevation:	1202.16
Start Date:	12/1/2015
Time:	11:20
Completion Date:	12/1/2015
Time:	11:45

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Description
13:15	CS	38	M	0.2 0.2	SP	5	LACUSTRINE, Loose, Brown, SILTY SAND SAND, Loose, Brown. Sand is medium/coarse grained with gravel.
13:20	CS	40	M	0.2	SP	10	Sand becomes fine/medium coarse with some gravel. Color change to red/tan.
13:25	CS	38	M	0.2	SP	15	Sand with some Gravel. Sand is medium/coarse grained. Color change to tan.
13:30	CS	36	M	0.3	SP	20	Trace Gravel. Sand becomes fine/medium/coarse grained.
13:35	CS	38	W	0.2	SP	25	Sand and Gravel. Loose, Tan. Sand is medium/coarse grained with some fines.
						30	End of Boring at 25 feet

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level
12/1/15	14:10	20-25	25	25	21.1

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Drilling Method:	Geoprobe
Backfill Method:	Bentonite
Field Representative:	M. Bogart

Log of Test Borings

WIDSETH SMITH NOLTING
Engineering
Architecture
Surveying
Environmental
WidsethSmithNolting.com

Project Number:	0270B0714.000
Project Name:	West Baxter Business Park
Project Location:	Baxter, MN
Boring Number:	SB-4
Surface Elevation:	1202.69
Start Date:	12/1/2015
Time:	15:10
Completion Date:	12/1/2015
Time:	15:35

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Description
15:10	CS	42	Da	0.2 0.3	SP	5	LACUSTRINE, Loose, Brown, SILTY SAND SAND, Loose, Red/Tan in color. Sand is fine grained.
15:15	CS	27	M	0.3	SP	10	Color change to Tan.
15:20	NR	--	--	--	--	15	No recovery from 10'-15'. No resistance from Geoprobe.
15:25	CS	56	M W	0.4	SP	20	Sand becomes fine grained with some coarse Gravel.
15:30	CS	46	W	0.4	SP	25	Sand becomes fine to medium coarse grained with trace Gravel.
15:35	CS	60	W	0.4	SP	30	
							End of Boring at 30 feet

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level
12/1/15	16:00	21-26	26	26	21.5

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Drilling Method:	Geoprobe
Backfill Method:	Bentonite
Field Representative:	M. Bogart

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SOIL BORING LOG
DESCRIPTIVE TERMINOLOGY

GRAIN SIZE

Soil Fraction	Particle Size	U.S. Standard Sieve
Boulders	Larger than 300mm	Larger than 12"
Cobbles	75mm to 33mm	3" to 12"
Gravel: Coarse	19mm to 75mm	3/4" to 3"
Fine	4.75mm to 19mm	#4 to 3/4"
Sand: Coarse	2.00mm to 4.75mm	#10 to #4
Medium	0.425mm to 2.00 mm	#40 to #10
Fine	0.075mm to 0.425mm	#200 to #40
Silt	0.005mm to 0.075mm	Smaller than #200
Clay	Smaller than 0.005mm	Smaller than #200

Plasticity characteristics differentiate between silt and clay.

RELATIVE PROPORTIONS

Term	Range	Term	Range
Trace	0-5%	Some	10-30%
Little	5-10%	With	30-50%

DENSITY	BLOW COUNTS	CONSISTENCY
Term	N - Value	Term
Very Loose	0-4	Very Soft
Loose	5-8	Soft
Medium Dense	9-15	Firm
Dense	16-30	Hard
Very Dense	Over 30	Very Hard

Standard Penetration Test (N–Value): Blows per foot of a 140 pound hammer falling 30 inches on a 2-inch O.D. Split Barrel Sampler

SOIL MOISTURE

Dry	DR	Powdery, absence of moisture
Damp	Da	Residual moisture on soil grains
Moist	M	Below saturation
Wet	W	Saturated, visible free water

SOIL STRUCTURE

Fracture	Cracks of fissures
Seam	Up to 1/8" thick
Lamination	1/8" to 1/2" thick
Lense	½" to 6" thick stratum
Layer	Over 6" thick stratum
Varved	Alternating colored laminations of clay, silt, and/or fine-grained sand

DRILLING AND SAMPLING

CS	Continuous Sampling
RC	Rock Coring; Size AQ,BQ,NQ,PQ,PQ
RB	Rock Bit
CW	Clear Water
DM	Drilling Mud
MR	Mud Rotary
AR	Air Rotary
CT	Cable Tool
HSA	Hollow Stem Auger
FA	Flight Auger
HA	Hand Auger
SS	2" Diameter Split-Barrel Sample
2ST	2" Diameter Thin-Walled Tube Sample
3ST	3" Diameter Thin-Walled Tube Sample
AS	Auger Sample
CTC	Cable Tool Cuttings
WS	Washed Sample
NR	No Recovery
NMR	No Measurement Recorded
JW	Jetting Water
ND	Not Detected Above Background
NS	Not Sampled

GEOLOGIC TERMS

Coarse Alluvium	Sand and/or gravel sediments deposited by water action
Fine Alluvium	Silt and/or clay sediment deposited by water action
Mixed Alluvium	Mixture of Coarse and Fine Alluvium
Till	Unsorted sediments deposited directly by glacial ice
Colluvium	Talus and slope deposits
Eolian or Loess	Sediments deposited by wind action
Lacustrine	Sediments deposited at the bottom of a lake or pond
Peat	Organic material deposited in swamp or marsh
Fill	Sediments placed by man

WATER LEVEL MEASUREMENT

▽	Perched Water Level
▼	Water level

Note: Water level measurements shown on the boring logs represent conditions at the time indicated and may not reflect static levels, especially in cohesive soils.

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DESCRIPTION AND IDENTIFICATION OF SOILS
ASTM Designation D 2488-93
(Visual-Manual Procedure)

Flow Chart for Identifyng Inorganic Fine-Grained Soil (50% or more fines)

Group Symbol			Group Name
CL	<30% plus No. 200	<15% plus No. 200	Lean clay
		% sand ≥ % gravel	Lean Clay with sand
	15-29% plus No. 200	% sand <% gravel	Lean clay with gravel
		<15% gravel	Sandy lean clay
	≥30% plus No. 200	% sand≥% of gravel	≥15% gravel: Sandy lean clay with gravel
		% sand< % gravel	<15% sand: Gravelly lean clay
			≥15% sand: Gravelly lean clay with sand
CH	<30% plus No. 200	<15% plus No. 200	Fat clay
		% sand ≥% gravel	Fat clay with sand
	15-29% plus No. 200	% sand <% gravel	Fat clay with gravel
		<15% gravel	Sandy fat clay
	≥30% plus No. 200	% sand ≥% of gravel	≥15% gravel: Sandy fat clay with gravel
		% sand <% gravel	<15% sand: Gravelly fat clay
			≥15% sand: Gravelly fat clay with sand

Group Symbol			Group Name
ML	<30% plus No. 200	<15% plus No. 200	Silt
		% sand ≥% gravel	Silt with sand
	15-29% plus No. 200	% sand <% gravel	Silt with gravel
		<15% gravel	Sandy silt
	≥30% plus No. 200	% sand≥% of gravel	≥15% gravel: Sandy silt with gravel
		% sand< % gravel	<15% sand: Gravelly silt
			≥15% sand: Gravelly silt with sand
MH	<30% plus No. 200	<15% plus No. 200	Elastic Silt
		% sand ≥% gravel	Elastic silt with sand
	15-29% plus No. 200	% sand <% gravel	Elastic silt with gravel
		<15% gravel	Sandy elastic silt
	≥30% plus No. 200	% sand>% of gravel	≥15% gravel: Sandy elastic silt with gravel
		% sand< % gravel	<15% sand: Gravelly elastic silt
			≥15% sand: Gravelly elastic silt with sand

Flow Chart for Identifying Organic Fine-Grained Soil (50% or more fines)

Group Symbol			Group Name
OL/OH	<30% plus No. 200	<15% plus No. 200	Organic Soil
		% sand ≥% gravel	Organic soil with sand
	15-29% plus No. 200	% sand <% gravel	Organic soil with gravel
		<15% gravel	Sandy organic soil
	≥30% plus No. 200	% sand≥% of gravel	≥15% gravel: Sandy organic soil with gravel
		% sand<% gravel	<15% sand: Gravelly organic soil
			≥15% sand: Gravelly organic soil with sand

Flow Chart for Identifying Coarse-Grained Soils (less than 50% fines)

Group Symbol				Group Name
≤5% fines	Well-graded	GW	<15% sand	Well-graded gravel
			≥15% sand	Well-graded gravel with sand
	Poorly graded	GP	<15% sand	Poorly graded gravel
			≥15% sand	Poorly graded gravel with sand
10% fines	Well-graded	fines=ML or MH-GW-GM	<15% sand	Well-graded gravel with silt
			≥15% sand	Well-graded gravel with silt and sand
		fines=CL or CH-GW-GC	<15% sand	Well-graded gravel with clay
			≥15% sand	Well-graded gravel with clay and sand
	Poorly graded	fines=ML or MH-GP-GM	<15% sand	Poorly graded gravel with silt
			≥15% sand	Poorly graded gravel with silt and sand
		fines=CL or CH-GP-GC	<15% sand	Poorly graded gravel with clay
			≥15% sand	Poorly graded gravel with clay and sand
≥15% fines		fines=ML or MH-GM	<15% sand	Silty gravel
			≥15% sand	Silty gravel with sand
		fines= CL or CH-GC	<15% sand	Clayey gravel
			≥15% sand	Clayey gravel with sand

(GRAVEL; %gravel > %sand)

Group Symbol				Group Name
≤5% fines	Well-graded	SW	<15% gravel	Well-graded sand
			>15% gravel	Well-graded sand with gravel
	Poorly graded	SP	<15% gravel	Poorly graded sand
			≥15% gravel	Poorly graded sand with gravel
10% fines	Well-graded	fines=ML or MH- SW-SM	<15% gravel	Well-graded sand with silt
			≥15% gravel	Well-graded sand with silt and gravel
		fines=CL or CH-SW-SC	<15% gravel	Well-graded sand with clay
			≥15% gravel	Well-graded sand with clay and gravel
	Poorly graded	fines=ML or MH-SP-SM	<15% gravel	Poorly graded sand with silt
			≥15% gravel	Poorly graded sand with silt and gravel
		fines=CL or CH--SP-SC	<15% gravel	Poorly graded sand with clay
			>15% gravel	Poorly graded sand with clay and gravel
≥15% fines		fines=ML or MH---SM	<15% gravel	Silty sand
			≥15% gravel	Silty sand with gravel
		fines= CL or CH----SC	<15% gravel	Clayey sand
			≥15% gravel	Clayey sand with gravel

(SAND; %sand ≥ %gravel)

Criteria for Describing Dry Strength

Description	Criteria
None	The dry speciment crumbles into powder with mere pressure of handling
Low	The dry speciment crumbles into powder with some finger pressure
Medium	The dry specimen breaks into pieces or crumbles with considerable finger pressure
High	The dry specimen cannot be broken with finger pressure. Specimen will break into pieces between thumb and a hard surface
Very High	The dry specimen cannot be broken between the thumb and a hard surface

Criteria for Describing Dilatancy

Description	Criteria
None	No visible change in the specimen
Slow	Water appears slowly on the surface of the specimen during shaking and does not disappear or disappears slowly upon squeezing
Rapid	Water appears quickly on the surface of the specimen during shaking and disappears quickly upon squeezing

Criteria for Describing Toughness

Description	Criteria
Low	Only slight pressure is required to roll the thread near the plastic limit. The thread and the lump are weak and soft
Medium	Medium pressure is required to roll the thread to near the plastic limit. The thread and the lump have medium stiffness
High	Considerable pressure is required to roll the thread to near the plastic limit. The thread and the lump have very high stiffness

Identification of Inorganic Fine-Grained Soils from Manual Tests

Soil Symbol	Dry Strength	Dilatancy	Toughness
ML	None to low	Slow to rapid	Low or thread cannot be formed
CL	Medium to high	None to slow	Medium
MH	Low to medium	None to slow	Low to medium
CH	High to very high	None	High

Widseth Smith Nolting

CLASSIFICATION OF SOIL FOR ENGINEERING PURPOSES
ASTM Designation: D 2487-93
(Based on Unified Soil Classification System)

COARSE-GRAINED SOILS
(50% or more larger than No. 200 sieve size)

GRAVELS 50% or more of coarse fraction larger than No. 4 sieve	**Clean Gravels (Less than 5% fines)** **GW** Well-graded gravels, gravel-sand mixtures, little or no fines
	Clean Gravels (Less than 5% fines) **GP** Poorly graded gravels, gravel-sand mixtures, little or no fines
	Gravels with fines (Greater than 12% fines) **GM** Silty gravels, gravel-sand-silt mixtures
	Gravels with fines (Greater than 12% fines) **GC** Clayey gravels, gravel-sand-clay mixtures
SANDS 50% or more of coarse fraction smaller than No. 4 sieve	**Clean sands (Less than 5% fines)** **SW** Well-graded sands, gravelly sands, little or no fines
	Clean sands (Less than 5% fines) **SP** Poorly graded sands, gravelly sands, little or no fines
	Sand with Fines (Greater than 12% fines) **SM** Silty sands, sand-silt mixtures
	Sand with Fines (Greater than 12% fines) **SC** Clayey sands, sand-clay mixtures

LABORATORY CLASSIFICATION CRITERIA

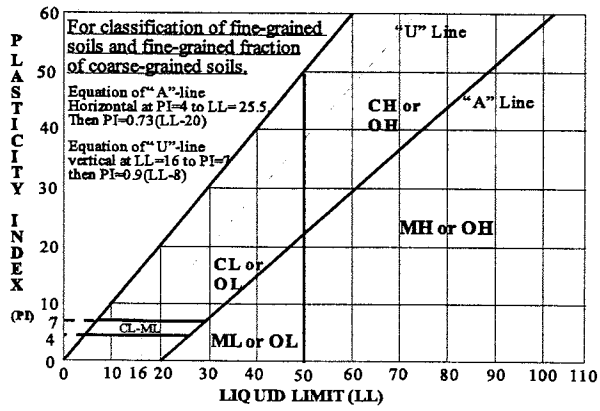
GW $\frac{D_{60}}{D_{10}}$ greater than or equal to 4; $\frac{(D_{30})^2}{D_{10} \times D_{60}}$ between 1 and 3 Where D_{60}, D_{30}, D_{10} are the particle diameters corresponding to 60%, 30%,10% passing on the cumulative particle-size distribution curve.	
GP Not meeting all gradation requirements for GW	
GM *Atterberg limits below "A" line or P.I. less than 4	*Above "A" line with P.I. between 4 and 7 are borderline cases requiring use of dual symbols GC-GM *For fine-grained fraction
GC *Atterberg limits above "A" line with P.I. greater than 7	
SW $\frac{D_{60}}{D_{10}}$ greater than or equal to 6; $\frac{(D_{30})^2}{D_{10} \times D_{60}}$ between 1 and 3 Where D_{60}, D_{30}, D_{10} are the particle diameters corresponding to 60%, 30%,10% passing on the cumulative particle-size distribution curve.	
SP Not meeting all gradation requirements for SW	
SM *Atterberg limits below "A" line or P.I. less than 4	*Above "A" line with P.I. between 4 and 7 are borderline cases requiring use of dual symbols SC-SM *For fine-grained fraction
SC *Atterberg limits above "A" line with P.I. greater than 7	

Gravels with 5 to 12% fines require dual symbols:
GW-GM well-graded gravel with silt
GW-GC well-graded gravel with clay
GP-GM poorly graded gravel with silt
GP-GC poorly graded gravel with clay

Sands with 5 to 12% fines require dual symbols:
SW-SM well-graded sand with silt
SW-SC well-graded sand with clay
SP-SM poorly graded sand with silt
SP-SC poorly graded sand with clay

FINE-GRAINED SOILS
(50% or more smaller than No. 200 Sieve)

SILTS AND CLAYS Liquid limit less than 50%	**ML** Inorganic silts and very fine sands, rock flour, silty or clayey fine sands, or clayey silts with slight plasticity
	CL Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
	OL Organic silts & organic silty clays of low
SILTS AND CLAYS Liquid Limit 50% or More	**MH** Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
	CH Inorganic clays of high plasticity, fat clays
	OH Organic clays of medium to high plasticity, organic silts



HIGHLY ORGANIC SOILS

PEAT Primarily Organic Matter	Fibric Peat > 67% fibers **PT** Hemic Peat 33%-67% fibers Sapric Peat < 33% fibers

APPENDIX C

LABORATORY ANALYTICAL REPORT

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

December 18, 2015

Vladimir Zivkovic
Widseth Smith Nolting
7804 Industrial Park Road
Baxter, MN 56425

RE: Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

Dear Vladimir Zivkovic:
Enclosed are the analytical results for sample(s) received by the laboratory on December 03, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

This report was revised on December 18, 2015 to add DRO Silica gel treatment analysis per client's request.

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

Sincerely,

Kabor Xiong

Kabor Xiong
kabor.xiong@pacelabs.com
Project Manager

Enclosures

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

Minnesota Certification IDs
1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10331963001	**SB-1**	Water	12/01/15 10:50	12/03/15 12:20
10331963002	**SB-2**	Water	12/01/15 12:00	12/03/15 12:20
10331963003	**SB-3**	Water	12/01/15 14:10	12/03/15 12:20
10331963004	**SB-4**	Water	12/01/15 16:00	12/03/15 12:20
10331963005	**TRIP BLANK**	Water	12/01/15 00:00	12/03/15 12:20

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Minneapolis, MN 55414
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SAMPLE ANALYTE COUNT

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10331963001	**SB-1**	WI MOD DRO	JRH	2
		WI MOD DRO	MT	2
		WI MOD GRO	EMC	2
		EPA 8260B	LPM	70
10331963002	**SB-2**	WI MOD DRO	JRH	2
		WI MOD DRO	MT	2
		WI MOD GRO	EMC	2
		EPA 8260B	LPM	70
10331963003	**SB-3**	WI MOD DRO	JRH	2
		WI MOD GRO	EMC	2
		EPA 8260B	LPM	70
10331963004	**SB-4**	WI MOD DRO	JRH	2
		WI MOD DRO	MT	2
		WI MOD GRO	EMC	2
		EPA 8260B	LPM	70
10331963005	**TRIP BLANK**	EPA 8260B	LPM	70

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ANALYTICAL RESULTS

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

Sample: SB-1 **Lab ID: 10331963001** Collected: 12/01/15 10:50 Received: 12/03/15 12:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO							
WDRO C10-C28	**0.11**	mg/L	0.11	1	12/04/15 10:42	12/10/15 19:29		
Surrogates								
n-Triacontane (S)	82	%.	50-150	1	12/04/15 10:42	12/10/15 19:29	638-68-6	
WIDRO GCS Silica Gel	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO							
WDRO C10-C28	ND	mg/L	0.11	1	12/04/15 10:42	12/16/15 13:59		
Surrogates								
n-Triacontane (S)	74	%.	62-125	1	12/04/15 10:42	12/16/15 13:59	638-68-6	
WIGRO GCV	Analytical Method: WI MOD GRO							
Gasoline Range Organics	ND	ug/L	100	1		12/04/15 19:51		
Surrogates								
a,a,a-Trifluorotoluene (S)	98	%.	80-150	1		12/04/15 19:51	98-08-8	
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	20.0	1		12/04/15 21:36	67-64-1	M1
Allyl chloride	ND	ug/L	4.0	1		12/04/15 21:36	107-05-1	
Benzene	ND	ug/L	1.0	1		12/04/15 21:36	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/04/15 21:36	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/04/15 21:36	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/04/15 21:36	75-27-4	
Bromoform	ND	ug/L	4.0	1		12/04/15 21:36	75-25-2	
Bromomethane	ND	ug/L	4.0	1		12/04/15 21:36	74-83-9	CL
2-Butanone (MEK)	ND	ug/L	5.0	1		12/04/15 21:36	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		12/04/15 21:36	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		12/04/15 21:36	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		12/04/15 21:36	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		12/04/15 21:36	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/04/15 21:36	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/04/15 21:36	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/04/15 21:36	67-66-3	
Chloromethane	ND	ug/L	4.0	1		12/04/15 21:36	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/04/15 21:36	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/04/15 21:36	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		12/04/15 21:36	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/04/15 21:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/04/15 21:36	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		12/04/15 21:36	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/04/15 21:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/04/15 21:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/04/15 21:36	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/04/15 21:36	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/04/15 21:36	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/04/15 21:36	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/04/15 21:36	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/15 21:36	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/15 21:36	156-60-5	

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ANALYTICAL RESULTS

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

Sample: SB-1 **Lab ID: 10331963001** Collected: 12/01/15 10:50 Received: 12/03/15 12:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Dichlorofluoromethane	ND	ug/L	1.0	1		12/04/15 21:36	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		12/04/15 21:36	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/04/15 21:36	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		12/04/15 21:36	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/04/15 21:36	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		12/04/15 21:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		12/04/15 21:36	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		12/04/15 21:36	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		12/04/15 21:36	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/04/15 21:36	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		12/04/15 21:36	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/04/15 21:36	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		12/04/15 21:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/04/15 21:36	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/04/15 21:36	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		12/04/15 21:36	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		12/04/15 21:36	103-65-1	
Styrene	ND	ug/L	1.0	1		12/04/15 21:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/15 21:36	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/15 21:36	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/04/15 21:36	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/04/15 21:36	109-99-9	M1
Toluene	ND	ug/L	1.0	1		12/04/15 21:36	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/04/15 21:36	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/04/15 21:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/04/15 21:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/04/15 21:36	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		12/04/15 21:36	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/04/15 21:36	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		12/04/15 21:36	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		12/04/15 21:36	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		12/04/15 21:36	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		12/04/15 21:36	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		12/04/15 21:36	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		12/04/15 21:36	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%.	75-125	1		12/04/15 21:36	17060-07-0	
Toluene-d8 (S)	96	%.	75-125	1		12/04/15 21:36	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125	1		12/04/15 21:36	460-00-4	

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ANALYTICAL RESULTS

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

Sample: SB-2 **Lab ID: 10331963002** Collected: 12/01/15 12:00 Received: 12/03/15 12:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO							
WDRO C10-C28	**0.13**	mg/L	0.12	1	12/04/15 10:42	12/10/15 19:50		
Surrogates								
n-Triacontane (S)	85	%.	50-150	1	12/04/15 10:42	12/10/15 19:50	638-68-6	P4
WIDRO GCS Silica Gel	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO							
WDRO C10-C28	ND	mg/L	0.12	1	12/04/15 10:42	12/16/15 14:06		
Surrogates								
n-Triacontane (S)	75	%.	62-125	1	12/04/15 10:42	12/16/15 14:06	638-68-6	
WIGRO GCV	Analytical Method: WI MOD GRO							
Gasoline Range Organics	ND	ug/L	100	1		12/04/15 20:15		
Surrogates								
a,a,a-Trifluorotoluene (S)	106	%.	80-150	1		12/04/15 20:15	98-08-8	
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	20.0	1		12/04/15 22:38	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		12/04/15 22:38	107-05-1	
Benzene	ND	ug/L	1.0	1		12/04/15 22:38	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/04/15 22:38	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/04/15 22:38	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/04/15 22:38	75-27-4	
Bromoform	ND	ug/L	4.0	1		12/04/15 22:38	75-25-2	
Bromomethane	ND	ug/L	4.0	1		12/04/15 22:38	74-83-9	CL
2-Butanone (MEK)	ND	ug/L	5.0	1		12/04/15 22:38	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		12/04/15 22:38	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		12/04/15 22:38	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		12/04/15 22:38	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		12/04/15 22:38	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/04/15 22:38	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/04/15 22:38	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/04/15 22:38	67-66-3	
Chloromethane	ND	ug/L	4.0	1		12/04/15 22:38	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/04/15 22:38	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/04/15 22:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		12/04/15 22:38	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/04/15 22:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/04/15 22:38	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		12/04/15 22:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/04/15 22:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/04/15 22:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/04/15 22:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/04/15 22:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/04/15 22:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/04/15 22:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/04/15 22:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/15 22:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/15 22:38	156-60-5	

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ANALYTICAL RESULTS

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

Sample: SB-2 **Lab ID: 10331963002** Collected: 12/01/15 12:00 Received: 12/03/15 12:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Dichlorofluoromethane	ND	ug/L	1.0	1		12/04/15 22:38	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		12/04/15 22:38	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/04/15 22:38	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		12/04/15 22:38	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/04/15 22:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		12/04/15 22:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		12/04/15 22:38	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		12/04/15 22:38	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		12/04/15 22:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/04/15 22:38	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		12/04/15 22:38	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/04/15 22:38	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		12/04/15 22:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/04/15 22:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/04/15 22:38	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		12/04/15 22:38	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		12/04/15 22:38	103-65-1	
Styrene	ND	ug/L	1.0	1		12/04/15 22:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/15 22:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/15 22:38	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/04/15 22:38	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/04/15 22:38	109-99-9	
Toluene	ND	ug/L	1.0	1		12/04/15 22:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/04/15 22:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/04/15 22:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/04/15 22:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/04/15 22:38	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		12/04/15 22:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/04/15 22:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		12/04/15 22:38	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		12/04/15 22:38	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		12/04/15 22:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		12/04/15 22:38	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		12/04/15 22:38	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		12/04/15 22:38	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%.	75-125	1		12/04/15 22:38	17060-07-0	
Toluene-d8 (S)	98	%.	75-125	1		12/04/15 22:38	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125	1		12/04/15 22:38	460-00-4	

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ANALYTICAL RESULTS

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

Sample: SB-3 **Lab ID: 10331963003** Collected: 12/01/15 14:10 Received: 12/03/15 12:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO							
WDRO C10-C28	ND	mg/L	0.11	1	12/04/15 10:42	12/10/15 19:57		
Surrogates								
n-Triacontane (S)	82	%.	50-150	1	12/04/15 10:42	12/10/15 19:57	638-68-6	
WIGRO GCV	Analytical Method: WI MOD GRO							
Gasoline Range Organics	ND	ug/L	100	1		12/04/15 20:38		
Surrogates								
a,a,a-Trifluorotoluene (S)	95	%.	80-150	1		12/04/15 20:38	98-08-8	
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	20.0	1		12/08/15 22:02	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		12/08/15 22:02	107-05-1	
Benzene	ND	ug/L	1.0	1		12/08/15 22:02	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/08/15 22:02	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/08/15 22:02	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/08/15 22:02	75-27-4	
Bromoform	ND	ug/L	4.0	1		12/08/15 22:02	75-25-2	
Bromomethane	ND	ug/L	4.0	1		12/08/15 22:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/08/15 22:02	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		12/08/15 22:02	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		12/08/15 22:02	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		12/08/15 22:02	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		12/08/15 22:02	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/08/15 22:02	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/08/15 22:02	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/08/15 22:02	67-66-3	
Chloromethane	ND	ug/L	4.0	1		12/08/15 22:02	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/08/15 22:02	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/08/15 22:02	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		12/08/15 22:02	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/08/15 22:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/08/15 22:02	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		12/08/15 22:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/08/15 22:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/08/15 22:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/08/15 22:02	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/08/15 22:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/08/15 22:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/08/15 22:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/08/15 22:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/08/15 22:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/08/15 22:02	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		12/08/15 22:02	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		12/08/15 22:02	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/08/15 22:02	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		12/08/15 22:02	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/08/15 22:02	563-58-6	

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ANALYTICAL RESULTS

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

Sample: SB-3 **Lab ID: 10331963003** Collected: 12/01/15 14:10 Received: 12/03/15 12:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		12/08/15 22:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		12/08/15 22:02	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		12/08/15 22:02	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		12/08/15 22:02	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/08/15 22:02	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		12/08/15 22:02	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/08/15 22:02	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		12/08/15 22:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/08/15 22:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/08/15 22:02	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		12/08/15 22:02	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		12/08/15 22:02	103-65-1	
Styrene	ND	ug/L	1.0	1		12/08/15 22:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/08/15 22:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/08/15 22:02	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/08/15 22:02	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/08/15 22:02	109-99-9	
Toluene	ND	ug/L	1.0	1		12/08/15 22:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/08/15 22:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/08/15 22:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/08/15 22:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/08/15 22:02	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		12/08/15 22:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/08/15 22:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		12/08/15 22:02	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		12/08/15 22:02	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		12/08/15 22:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		12/08/15 22:02	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		12/08/15 22:02	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		12/08/15 22:02	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	94	%.	75-125	1		12/08/15 22:02	17060-07-0	
Toluene-d8 (S)	96	%.	75-125	1		12/08/15 22:02	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	75-125	1		12/08/15 22:02	460-00-4	

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ANALYTICAL RESULTS

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

Sample: SB-4 **Lab ID: 10331963004** Collected: 12/01/15 16:00 Received: 12/03/15 12:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO							
WDRO C10-C28	**0.22**	mg/L	0.11	1	12/04/15 10:42	12/10/15 19:02		T6
Surrogates								
n-Triacontane (S)	84	%.	50-150	1	12/04/15 10:42	12/10/15 19:02	638-68-6	P4
WIDRO GCS Silica Gel	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO							
WDRO C10-C28	ND	mg/L	0.11	1	12/04/15 10:42	12/16/15 14:13		
Surrogates								
n-Triacontane (S)	76	%.	62-125	1	12/04/15 10:42	12/16/15 14:13	638-68-6	
WIGRO GCV	Analytical Method: WI MOD GRO							
Gasoline Range Organics	ND	ug/L	100	1		12/04/15 21:01		
Surrogates								
a,a,a-Trifluorotoluene (S)	97	%.	80-150	1		12/04/15 21:01	98-08-8	
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	20.0	1		12/08/15 23:03	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		12/08/15 23:03	107-05-1	
Benzene	ND	ug/L	1.0	1		12/08/15 23:03	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/08/15 23:03	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/08/15 23:03	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/08/15 23:03	75-27-4	
Bromoform	ND	ug/L	4.0	1		12/08/15 23:03	75-25-2	
Bromomethane	ND	ug/L	4.0	1		12/08/15 23:03	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/08/15 23:03	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		12/08/15 23:03	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		12/08/15 23:03	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		12/08/15 23:03	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		12/08/15 23:03	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/08/15 23:03	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/08/15 23:03	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/08/15 23:03	67-66-3	
Chloromethane	ND	ug/L	4.0	1		12/08/15 23:03	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/08/15 23:03	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/08/15 23:03	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		12/08/15 23:03	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/08/15 23:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/08/15 23:03	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		12/08/15 23:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/08/15 23:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/08/15 23:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/08/15 23:03	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/08/15 23:03	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/08/15 23:03	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/08/15 23:03	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/08/15 23:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/08/15 23:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/08/15 23:03	156-60-5	

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ANALYTICAL RESULTS

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

Sample: SB-4 **Lab ID: 10331963004** Collected: 12/01/15 16:00 Received: 12/03/15 12:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Dichlorofluoromethane	ND	ug/L	1.0	1		12/08/15 23:03	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		12/08/15 23:03	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/08/15 23:03	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		12/08/15 23:03	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/08/15 23:03	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		12/08/15 23:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		12/08/15 23:03	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		12/08/15 23:03	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		12/08/15 23:03	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/08/15 23:03	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		12/08/15 23:03	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/08/15 23:03	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		12/08/15 23:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/08/15 23:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/08/15 23:03	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		12/08/15 23:03	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		12/08/15 23:03	103-65-1	
Styrene	ND	ug/L	1.0	1		12/08/15 23:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/08/15 23:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/08/15 23:03	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/08/15 23:03	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/08/15 23:03	109-99-9	
Toluene	ND	ug/L	1.0	1		12/08/15 23:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/08/15 23:03	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/08/15 23:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/08/15 23:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/08/15 23:03	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		12/08/15 23:03	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/08/15 23:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		12/08/15 23:03	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		12/08/15 23:03	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		12/08/15 23:03	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		12/08/15 23:03	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		12/08/15 23:03	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		12/08/15 23:03	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	93	%.	75-125	1		12/08/15 23:03	17060-07-0	
Toluene-d8 (S)	96	%.	75-125	1		12/08/15 23:03	2037-26-5	
4-Bromofluorobenzene (S)	95	%.	75-125	1		12/08/15 23:03	460-00-4	

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ANALYTICAL RESULTS

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

Sample: TRIP BLANK **Lab ID: 10331963005** Collected: 12/01/15 00:00 Received: 12/03/15 12:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	20.0	1		12/04/15 21:21	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		12/04/15 21:21	107-05-1	
Benzene	ND	ug/L	1.0	1		12/04/15 21:21	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/04/15 21:21	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/04/15 21:21	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/04/15 21:21	75-27-4	
Bromoform	ND	ug/L	4.0	1		12/04/15 21:21	75-25-2	
Bromomethane	ND	ug/L	4.0	1		12/04/15 21:21	74-83-9	CL
2-Butanone (MEK)	ND	ug/L	5.0	1		12/04/15 21:21	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		12/04/15 21:21	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		12/04/15 21:21	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		12/04/15 21:21	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		12/04/15 21:21	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/04/15 21:21	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/04/15 21:21	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/04/15 21:21	67-66-3	
Chloromethane	ND	ug/L	4.0	1		12/04/15 21:21	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/04/15 21:21	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/04/15 21:21	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		12/04/15 21:21	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/04/15 21:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/04/15 21:21	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		12/04/15 21:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/04/15 21:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/04/15 21:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/04/15 21:21	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/04/15 21:21	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/04/15 21:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/04/15 21:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/04/15 21:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/15 21:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/15 21:21	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		12/04/15 21:21	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		12/04/15 21:21	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/04/15 21:21	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		12/04/15 21:21	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/04/15 21:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		12/04/15 21:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		12/04/15 21:21	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		12/04/15 21:21	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		12/04/15 21:21	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/04/15 21:21	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		12/04/15 21:21	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/04/15 21:21	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		12/04/15 21:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/04/15 21:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/04/15 21:21	1634-04-4	

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ANALYTICAL RESULTS

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

Sample: TRIP BLANK **Lab ID: 10331963005** Collected: 12/01/15 00:00 Received: 12/03/15 12:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	4.0	1		12/04/15 21:21	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		12/04/15 21:21	103-65-1	
Styrene	ND	ug/L	1.0	1		12/04/15 21:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/15 21:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/15 21:21	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/04/15 21:21	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/04/15 21:21	109-99-9	
Toluene	ND	ug/L	1.0	1		12/04/15 21:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/04/15 21:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/04/15 21:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/04/15 21:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/04/15 21:21	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		12/04/15 21:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/04/15 21:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		12/04/15 21:21	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		12/04/15 21:21	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		12/04/15 21:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		12/04/15 21:21	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		12/04/15 21:21	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		12/04/15 21:21	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%.	75-125	1		12/04/15 21:21	17060-07-0	
Toluene-d8 (S)	97	%.	75-125	1		12/04/15 21:21	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	75-125	1		12/04/15 21:21	460-00-4	

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QUALITY CONTROL DATA

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

QC Batch: GCV/14729 — Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO — Analysis Description: WIGRO GCV Water
Associated Lab Samples: 10331963001, 10331963002, 10331963003, 10331963004

METHOD BLANK: 2149625 — Matrix: Water
Associated Lab Samples: 10331963001, 10331963002, 10331963003, 10331963004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	ug/L	ND	100	12/04/15 15:59	
a,a,a-Trifluorotoluene (S)	%.	105	80-150	12/04/15 15:59	

LABORATORY CONTROL SAMPLE & LCSD: 2149626 2149627

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	ug/L	1000	1030	1010	103	101	80-120	3	20	
a,a,a-Trifluorotoluene (S)	%.				104	99	80-150			

MATRIX SPIKE SAMPLE: 2149709

Parameter	Units	1257923001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	ug/L	<100	1000	1110	109	80-120	
a,a,a-Trifluorotoluene (S)	%.				100	80-150	

SAMPLE DUPLICATE: 2149708

Parameter	Units	10331760003 Result	Dup Result	RPD	Max RPD	Qualifiers
Gasoline Range Organics	ug/L	ND	24.5J		20	
a,a,a-Trifluorotoluene (S)	%.	98	100	2		

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

QC Batch: MSV/33983 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV 465 W
Associated Lab Samples: 10331963001, 10331963002, 10331963005

METHOD BLANK: 2149578 Matrix: Water
Associated Lab Samples: 10331963001, 10331963002, 10331963005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	12/04/15 20:35	
1,1,1-Trichloroethane	ug/L	ND	1.0	12/04/15 20:35	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	12/04/15 20:35	
1,1,2-Trichloroethane	ug/L	ND	1.0	12/04/15 20:35	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	12/04/15 20:35	
1,1-Dichloroethane	ug/L	ND	1.0	12/04/15 20:35	
1,1-Dichloroethene	ug/L	ND	1.0	12/04/15 20:35	
1,1-Dichloropropene	ug/L	ND	1.0	12/04/15 20:35	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	12/04/15 20:35	
1,2,3-Trichloropropane	ug/L	ND	4.0	12/04/15 20:35	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	12/04/15 20:35	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	12/04/15 20:35	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	12/04/15 20:35	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/04/15 20:35	
1,2-Dichlorobenzene	ug/L	ND	1.0	12/04/15 20:35	
1,2-Dichloroethane	ug/L	ND	1.0	12/04/15 20:35	
1,2-Dichloropropane	ug/L	ND	4.0	12/04/15 20:35	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	12/04/15 20:35	
1,3-Dichlorobenzene	ug/L	ND	1.0	12/04/15 20:35	
1,3-Dichloropropane	ug/L	ND	1.0	12/04/15 20:35	
1,4-Dichlorobenzene	ug/L	ND	1.0	12/04/15 20:35	
2,2-Dichloropropane	ug/L	ND	4.0	12/04/15 20:35	
2-Butanone (MEK)	ug/L	ND	5.0	12/04/15 20:35	
2-Chlorotoluene	ug/L	ND	1.0	12/04/15 20:35	
4-Chlorotoluene	ug/L	ND	1.0	12/04/15 20:35	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	12/04/15 20:35	
Acetone	ug/L	ND	20.0	12/04/15 20:35	
Allyl chloride	ug/L	ND	4.0	12/04/15 20:35	
Benzene	ug/L	ND	1.0	12/04/15 20:35	
Bromobenzene	ug/L	ND	1.0	12/04/15 20:35	
Bromochloromethane	ug/L	ND	1.0	12/04/15 20:35	
Bromodichloromethane	ug/L	ND	1.0	12/04/15 20:35	
Bromoform	ug/L	ND	4.0	12/04/15 20:35	
Bromomethane	ug/L	ND	4.0	12/04/15 20:35	CL
Carbon tetrachloride	ug/L	ND	1.0	12/04/15 20:35	
Chlorobenzene	ug/L	ND	1.0	12/04/15 20:35	
Chloroethane	ug/L	ND	1.0	12/04/15 20:35	
Chloroform	ug/L	ND	1.0	12/04/15 20:35	
Chloromethane	ug/L	ND	4.0	12/04/15 20:35	
cis-1,2-Dichloroethene	ug/L	ND	1.0	12/04/15 20:35	
cis-1,3-Dichloropropene	ug/L	ND	4.0	12/04/15 20:35	

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QUALITY CONTROL DATA

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

METHOD BLANK: 2149578 Matrix: Water
Associated Lab Samples: 10331963001, 10331963002, 10331963005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	1.0	12/04/15 20:35	
Dibromomethane	ug/L	ND	4.0	12/04/15 20:35	
Dichlorodifluoromethane	ug/L	ND	1.0	12/04/15 20:35	
Dichlorofluoromethane	ug/L	ND	1.0	12/04/15 20:35	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	12/04/15 20:35	
Ethylbenzene	ug/L	ND	1.0	12/04/15 20:35	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	12/04/15 20:35	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	12/04/15 20:35	
Methyl-tert-butyl ether	ug/L	ND	1.0	12/04/15 20:35	
Methylene Chloride	ug/L	ND	4.0	12/04/15 20:35	
n-Butylbenzene	ug/L	ND	1.0	12/04/15 20:35	
n-Propylbenzene	ug/L	ND	1.0	12/04/15 20:35	
Naphthalene	ug/L	ND	4.0	12/04/15 20:35	
p-Isopropyltoluene	ug/L	ND	1.0	12/04/15 20:35	
sec-Butylbenzene	ug/L	ND	1.0	12/04/15 20:35	
Styrene	ug/L	ND	1.0	12/04/15 20:35	
tert-Butylbenzene	ug/L	ND	1.0	12/04/15 20:35	
Tetrachloroethene	ug/L	ND	1.0	12/04/15 20:35	
Tetrahydrofuran	ug/L	ND	10.0	12/04/15 20:35	
Toluene	ug/L	ND	1.0	12/04/15 20:35	
trans-1,2-Dichloroethene	ug/L	ND	1.0	12/04/15 20:35	
trans-1,3-Dichloropropene	ug/L	ND	4.0	12/04/15 20:35	
Trichloroethene	ug/L	ND	0.40	12/04/15 20:35	
Trichlorofluoromethane	ug/L	ND	1.0	12/04/15 20:35	
Vinyl chloride	ug/L	ND	0.40	12/04/15 20:35	
Xylene (Total)	ug/L	ND	3.0	12/04/15 20:35	
1,2-Dichloroethane-d4 (S)	%.	109	75-125	12/04/15 20:35	
4-Bromofluorobenzene (S)	%.	97	75-125	12/04/15 20:35	
Toluene-d8 (S)	%.	98	75-125	12/04/15 20:35	

LABORATORY CONTROL SAMPLE: 2149579

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	22.2	111	75-125	
1,1,1-Trichloroethane	ug/L	20	23.6	118	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	22.2	111	75-125	
1,1,2-Trichloroethane	ug/L	20	23.7	119	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	21.1	105	60-135	
1,1-Dichloroethane	ug/L	20	22.7	113	69-125	
1,1-Dichloroethene	ug/L	20	21.9	110	68-125	
1,1-Dichloropropene	ug/L	20	22.7	113	74-125	
1,2,3-Trichlorobenzene	ug/L	20	22.6	113	69-136	
1,2,3-Trichloropropane	ug/L	20	22.2	111	75-125	
1,2,4-Trichlorobenzene	ug/L	20	22.9	114	73-127	

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QUALITY CONTROL DATA

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

LABORATORY CONTROL SAMPLE: 2149579

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	20.2	101	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	53.2	106	65-145	
1,2-Dibromoethane (EDB)	ug/L	20	23.4	117	75-125	
1,2-Dichlorobenzene	ug/L	20	22.4	112	75-125	
1,2-Dichloroethane	ug/L	20	23.9	120	73-125	
1,2-Dichloropropane	ug/L	20	23.4	117	75-125	
1,3,5-Trimethylbenzene	ug/L	20	20.2	101	75-125	
1,3-Dichlorobenzene	ug/L	20	21.0	105	74-125	
1,3-Dichloropropane	ug/L	20	22.1	111	75-125	
1,4-Dichlorobenzene	ug/L	20	21.3	106	75-125	
2,2-Dichloropropane	ug/L	20	23.6	118	59-139	
2-Butanone (MEK)	ug/L	100	114	114	63-130	
2-Chlorotoluene	ug/L	20	20.2	101	72-125	
4-Chlorotoluene	ug/L	20	20.6	103	73-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	115	115	71-126	
Acetone	ug/L	100	91.9	92	69-131	SS
Allyl chloride	ug/L	20	22.7	114	67-125	
Benzene	ug/L	20	22.1	110	71-125	
Bromobenzene	ug/L	20	21.9	109	75-125	
Bromochloromethane	ug/L	20	21.7	109	75-125	
Bromodichloromethane	ug/L	20	23.3	116	75-125	
Bromoform	ug/L	20	19.8	99	70-125	
Bromomethane	ug/L	20	10.8	54	30-150	CL
Carbon tetrachloride	ug/L	20	20.2	101	75-126	
Chlorobenzene	ug/L	20	21.4	107	75-125	
Chloroethane	ug/L	20	21.0	105	65-134	
Chloroform	ug/L	20	23.4	117	75-125	
Chloromethane	ug/L	20	17.2	86	39-150	
cis-1,2-Dichloroethene	ug/L	20	23.8	119	72-125	
cis-1,3-Dichloropropene	ug/L	20	21.9	109	75-125	
Dibromochloromethane	ug/L	20	21.1	106	75-125	
Dibromomethane	ug/L	20	23.4	117	75-125	
Dichlorodifluoromethane	ug/L	20	20.1	101	50-134	
Dichlorofluoromethane	ug/L	20	22.3	112	69-125	
Diethyl ether (Ethyl ether)	ug/L	20	21.9	110	72-125	
Ethylbenzene	ug/L	20	21.0	105	75-125	
Hexachloro-1,3-butadiene	ug/L	20	21.5	108	70-138	
Isopropylbenzene (Cumene)	ug/L	20	19.1	96	75-125	
Methyl-tert-butyl ether	ug/L	20	22.4	112	73-125	
Methylene Chloride	ug/L	20	20.1	100	73-125	
n-Butylbenzene	ug/L	20	21.5	108	72-133	
n-Propylbenzene	ug/L	20	18.9	95	72-126	
Naphthalene	ug/L	20	22.6	113	70-127	
p-Isopropyltoluene	ug/L	20	20.8	104	72-132	
sec-Butylbenzene	ug/L	20	18.4	92	73-132	
Styrene	ug/L	20	21.9	109	75-125	
tert-Butylbenzene	ug/L	20	20.0	100	73-128	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

LABORATORY CONTROL SAMPLE: 2149579

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	20	20.7	104	74-125	
Tetrahydrofuran	ug/L	200	218	109	62-133	SS
Toluene	ug/L	20	22.1	110	74-125	
trans-1,2-Dichloroethene	ug/L	20	22.7	114	69-125	
trans-1,3-Dichloropropene	ug/L	20	21.2	106	75-125	
Trichloroethene	ug/L	20	21.4	107	75-125	
Trichlorofluoromethane	ug/L	20	18.8	94	74-127	
Vinyl chloride	ug/L	20	19.9	99	66-132	
Xylene (Total)	ug/L	60	61.1	102	75-125	
1,2-Dichloroethane-d4 (S)	%.			109	75-125	
4-Bromofluorobenzene (S)	%.			94	75-125	
Toluene-d8 (S)	%.			97	75-125	

MATRIX SPIKE SAMPLE: 2150216

Parameter	Units	10331963001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	21.8	109	70-138	
1,1,1-Trichloroethane	ug/L	ND	20	25.6	128	55-150	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	23.2	116	64-140	
1,1,2-Trichloroethane	ug/L	ND	20	23.9	120	67-137	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	27.6	138	51-150	
1,1-Dichloroethane	ug/L	ND	20	24.6	123	49-150	
1,1-Dichloroethene	ug/L	ND	20	25.8	129	40-150	
1,1-Dichloropropene	ug/L	ND	20	23.8	119	50-150	
1,2,3-Trichlorobenzene	ug/L	ND	20	23.0	115	59-148	
1,2,3-Trichloropropane	ug/L	ND	20	23.9	120	65-141	
1,2,4-Trichlorobenzene	ug/L	ND	20	22.7	114	61-140	
1,2,4-Trimethylbenzene	ug/L	ND	20	21.6	108	58-141	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	56.5	113	53-150	
1,2-Dibromoethane (EDB)	ug/L	ND	20	24.0	120	65-137	
1,2-Dichlorobenzene	ug/L	ND	20	23.7	118	66-133	
1,2-Dichloroethane	ug/L	ND	20	23.3	117	54-138	
1,2-Dichloropropane	ug/L	ND	20	23.3	117	62-138	
1,3,5-Trimethylbenzene	ug/L	ND	20	22.2	111	58-140	
1,3-Dichlorobenzene	ug/L	ND	20	22.9	114	66-132	
1,3-Dichloropropane	ug/L	ND	20	22.1	110	66-134	
1,4-Dichlorobenzene	ug/L	ND	20	22.8	114	65-129	
2,2-Dichloropropane	ug/L	ND	20	25.2	126	40-150	
2-Butanone (MEK)	ug/L	ND	100	119	119	51-147	
2-Chlorotoluene	ug/L	ND	20	22.1	110	58-147	
4-Chlorotoluene	ug/L	ND	20	22.2	111	64-138	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	112	112	59-143	
Acetone	ug/L	ND	100	155	155	63-147	M1,SS
Allyl chloride	ug/L	ND	20	23.5	118	45-150	
Benzene	ug/L	ND	20	23.4	117	53-139	

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QUALITY CONTROL DATA

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

MATRIX SPIKE SAMPLE: 2150216

Parameter	Units	10331963001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/L	ND	20	23.0	115	66-136	
Bromochloromethane	ug/L	ND	20	22.7	114	64-136	
Bromodichloromethane	ug/L	ND	20	23.9	120	66-138	
Bromoform	ug/L	ND	20	20.5	102	59-136	
Bromomethane	ug/L	ND	20	10.7	53	30-150	CL
Carbon tetrachloride	ug/L	ND	20	22.1	110	56-150	
Chlorobenzene	ug/L	ND	20	22.1	111	65-133	
Chloroethane	ug/L	ND	20	21.5	107	48-150	
Chloroform	ug/L	ND	20	24.7	124	57-145	
Chloromethane	ug/L	ND	20	19.2	96	30-150	
cis-1,2-Dichloroethene	ug/L	ND	20	24.7	124	49-150	
cis-1,3-Dichloropropene	ug/L	ND	20	22.5	112	64-130	
Dibromochloromethane	ug/L	ND	20	22.0	110	68-138	
Dibromomethane	ug/L	ND	20	24.2	121	67-134	
Dichlorodifluoromethane	ug/L	ND	20	22.8	114	45-150	
Dichlorofluoromethane	ug/L	ND	20	23.6	118	54-150	
Diethyl ether (Ethyl ether)	ug/L	ND	20	22.3	111	50-145	
Ethylbenzene	ug/L	ND	20	21.9	109	55-139	
Hexachloro-1,3-butadiene	ug/L	ND	20	20.2	101	49-150	
Isopropylbenzene (Cumene)	ug/L	ND	20	20.2	101	64-142	
Methyl-tert-butyl ether	ug/L	ND	20	23.2	116	62-129	
Methylene Chloride	ug/L	ND	20	19.8	99	57-132	
n-Butylbenzene	ug/L	ND	20	22.2	111	55-150	
n-Propylbenzene	ug/L	ND	20	20.9	104	59-142	
Naphthalene	ug/L	ND	20	21.5	107	51-150	
p-Isopropyltoluene	ug/L	ND	20	21.9	109	60-149	
sec-Butylbenzene	ug/L	ND	20	20.0	100	60-150	
Styrene	ug/L	ND	20	22.7	113	68-134	
tert-Butylbenzene	ug/L	ND	20	21.9	109	62-146	
Tetrachloroethene	ug/L	ND	20	21.1	106	50-150	
Tetrahydrofuran	ug/L	ND	200	318	159	59-145	M1
Toluene	ug/L	ND	20	22.8	114	52-148	
trans-1,2-Dichloroethene	ug/L	ND	20	24.5	123	45-150	
trans-1,3-Dichloropropene	ug/L	ND	20	22.0	110	68-132	
Trichloroethene	ug/L	ND	20	24.2	121	52-150	
Trichlorofluoromethane	ug/L	ND	20	21.5	108	55-150	
Vinyl chloride	ug/L	ND	20	21.8	109	43-150	
Xylene (Total)	ug/L	ND	60	65.0	108	54-144	
1,2-Dichloroethane-d4 (S)	%.				109	75-125	
4-Bromofluorobenzene (S)	%.				96	75-125	
Toluene-d8 (S)	%.				98	75-125	

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QUALITY CONTROL DATA

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

SAMPLE DUPLICATE: 2150217

Parameter	Units	10331963002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trimethylbenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Allyl chloride	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	CL
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Dichlorofluoromethane	ug/L	ND	ND		30	
Diethyl ether (Ethyl ether)	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

SAMPLE DUPLICATE: 2150217

Parameter	Units	10331963002 Result	Dup Result	RPD	Max RPD	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Tetrahydrofuran	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%.	99	108	9		
4-Bromofluorobenzene (S)	%.	99	97	3		
Toluene-d8 (S)	%.	98	98	0		

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QUALITY CONTROL DATA

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

QC Batch: MSV/34010 | Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B | Analysis Description: 8260B MSV 465 W
Associated Lab Samples: 10331963003, 10331963004

METHOD BLANK: 2151498 | Matrix: Water
Associated Lab Samples: 10331963003, 10331963004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	12/08/15 21:17	
1,1,1-Trichloroethane	ug/L	ND	1.0	12/08/15 21:17	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	12/08/15 21:17	
1,1,2-Trichloroethane	ug/L	ND	1.0	12/08/15 21:17	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	12/08/15 21:17	
1,1-Dichloroethane	ug/L	ND	1.0	12/08/15 21:17	
1,1-Dichloroethene	ug/L	ND	1.0	12/08/15 21:17	
1,1-Dichloropropene	ug/L	ND	1.0	12/08/15 21:17	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	12/08/15 21:17	
1,2,3-Trichloropropane	ug/L	ND	4.0	12/08/15 21:17	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	12/08/15 21:17	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	12/08/15 21:17	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	12/08/15 21:17	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/08/15 21:17	
1,2-Dichlorobenzene	ug/L	ND	1.0	12/08/15 21:17	
1,2-Dichloroethane	ug/L	ND	1.0	12/08/15 21:17	
1,2-Dichloropropane	ug/L	ND	4.0	12/08/15 21:17	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	12/08/15 21:17	
1,3-Dichlorobenzene	ug/L	ND	1.0	12/08/15 21:17	
1,3-Dichloropropane	ug/L	ND	1.0	12/08/15 21:17	
1,4-Dichlorobenzene	ug/L	ND	1.0	12/08/15 21:17	
2,2-Dichloropropane	ug/L	ND	4.0	12/08/15 21:17	
2-Butanone (MEK)	ug/L	ND	5.0	12/08/15 21:17	
2-Chlorotoluene	ug/L	ND	1.0	12/08/15 21:17	
4-Chlorotoluene	ug/L	ND	1.0	12/08/15 21:17	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	12/08/15 21:17	
Acetone	ug/L	ND	20.0	12/08/15 21:17	
Allyl chloride	ug/L	ND	4.0	12/08/15 21:17	
Benzene	ug/L	ND	1.0	12/08/15 21:17	
Bromobenzene	ug/L	ND	1.0	12/08/15 21:17	
Bromochloromethane	ug/L	ND	1.0	12/08/15 21:17	
Bromodichloromethane	ug/L	ND	1.0	12/08/15 21:17	
Bromoform	ug/L	ND	4.0	12/08/15 21:17	
Bromomethane	ug/L	ND	4.0	12/08/15 21:17	
Carbon tetrachloride	ug/L	ND	1.0	12/08/15 21:17	
Chlorobenzene	ug/L	ND	1.0	12/08/15 21:17	
Chloroethane	ug/L	ND	1.0	12/08/15 21:17	
Chloroform	ug/L	ND	1.0	12/08/15 21:17	
Chloromethane	ug/L	ND	4.0	12/08/15 21:17	
cis-1,2-Dichloroethene	ug/L	ND	1.0	12/08/15 21:17	
cis-1,3-Dichloropropene	ug/L	ND	4.0	12/08/15 21:17	

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QUALITY CONTROL DATA

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

METHOD BLANK: 2151498 Matrix: Water
Associated Lab Samples: 10331963003, 10331963004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	1.0	12/08/15 21:17	
Dibromomethane	ug/L	ND	4.0	12/08/15 21:17	
Dichlorodifluoromethane	ug/L	ND	1.0	12/08/15 21:17	
Dichlorofluoromethane	ug/L	ND	1.0	12/08/15 21:17	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	12/08/15 21:17	
Ethylbenzene	ug/L	ND	1.0	12/08/15 21:17	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	12/08/15 21:17	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	12/08/15 21:17	
Methyl-tert-butyl ether	ug/L	ND	1.0	12/08/15 21:17	
Methylene Chloride	ug/L	ND	4.0	12/08/15 21:17	
n-Butylbenzene	ug/L	ND	1.0	12/08/15 21:17	
n-Propylbenzene	ug/L	ND	1.0	12/08/15 21:17	
Naphthalene	ug/L	ND	4.0	12/08/15 21:17	
p-Isopropyltoluene	ug/L	ND	1.0	12/08/15 21:17	
sec-Butylbenzene	ug/L	ND	1.0	12/08/15 21:17	
Styrene	ug/L	ND	1.0	12/08/15 21:17	
tert-Butylbenzene	ug/L	ND	1.0	12/08/15 21:17	
Tetrachloroethene	ug/L	ND	1.0	12/08/15 21:17	
Tetrahydrofuran	ug/L	ND	10.0	12/08/15 21:17	
Toluene	ug/L	ND	1.0	12/08/15 21:17	
trans-1,2-Dichloroethene	ug/L	ND	1.0	12/08/15 21:17	
trans-1,3-Dichloropropene	ug/L	ND	4.0	12/08/15 21:17	
Trichloroethene	ug/L	ND	0.40	12/08/15 21:17	
Trichlorofluoromethane	ug/L	ND	1.0	12/08/15 21:17	
Vinyl chloride	ug/L	ND	0.40	12/08/15 21:17	
Xylene (Total)	ug/L	ND	3.0	12/08/15 21:17	
1,2-Dichloroethane-d4 (S)	%.	95	75-125	12/08/15 21:17	
4-Bromofluorobenzene (S)	%.	96	75-125	12/08/15 21:17	
Toluene-d8 (S)	%.	95	75-125	12/08/15 21:17	

LABORATORY CONTROL SAMPLE: 2151499

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.0	105	75-125	
1,1,1-Trichloroethane	ug/L	20	19.1	96	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	18.8	94	75-125	
1,1,2-Trichloroethane	ug/L	20	20.4	102	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	18.3	91	60-135	
1,1-Dichloroethane	ug/L	20	18.2	91	69-125	
1,1-Dichloroethene	ug/L	20	18.9	94	68-125	
1,1-Dichloropropene	ug/L	20	18.4	92	74-125	
1,2,3-Trichlorobenzene	ug/L	20	18.8	94	69-136	
1,2,3-Trichloropropane	ug/L	20	20.3	102	75-125	
1,2,4-Trichlorobenzene	ug/L	20	18.4	92	73-127	

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QUALITY CONTROL DATA

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

LABORATORY CONTROL SAMPLE: 2151499

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	21.4	107	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	51.0	102	65-145	
1,2-Dibromoethane (EDB)	ug/L	20	20.8	104	75-125	
1,2-Dichlorobenzene	ug/L	20	20.2	101	75-125	
1,2-Dichloroethane	ug/L	20	18.2	91	73-125	
1,2-Dichloropropane	ug/L	20	19.2	96	75-125	
1,3,5-Trimethylbenzene	ug/L	20	20.9	105	75-125	
1,3-Dichlorobenzene	ug/L	20	19.7	99	74-125	
1,3-Dichloropropane	ug/L	20	19.8	99	75-125	
1,4-Dichlorobenzene	ug/L	20	18.8	94	75-125	
2,2-Dichloropropane	ug/L	20	18.9	95	59-139	
2-Butanone (MEK)	ug/L	100	89.0	89	63-130	
2-Chlorotoluene	ug/L	20	19.4	97	72-125	
4-Chlorotoluene	ug/L	20	20.3	101	73-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	91.7	92	71-126	
Acetone	ug/L	100	91.2	91	69-131	
Allyl chloride	ug/L	20	17.2	86	67-125	
Benzene	ug/L	20	18.7	93	71-125	
Bromobenzene	ug/L	20	19.9	100	75-125	
Bromochloromethane	ug/L	20	20.0	100	75-125	
Bromodichloromethane	ug/L	20	20.0	100	75-125	
Bromoform	ug/L	20	22.0	110	70-125	
Bromomethane	ug/L	20	19.8	99	30-150	
Carbon tetrachloride	ug/L	20	19.0	95	75-126	
Chlorobenzene	ug/L	20	19.1	95	75-125	
Chloroethane	ug/L	20	18.6	93	65-134	
Chloroform	ug/L	20	20.1	100	75-125	
Chloromethane	ug/L	20	17.0	85	39-150	
cis-1,2-Dichloroethene	ug/L	20	18.8	94	72-125	
cis-1,3-Dichloropropene	ug/L	20	20.5	102	75-125	
Dibromochloromethane	ug/L	20	21.2	106	75-125	
Dibromomethane	ug/L	20	21.7	109	75-125	
Dichlorodifluoromethane	ug/L	20	17.9	90	50-134	
Dichlorofluoromethane	ug/L	20	18.9	94	69-125	
Diethyl ether (Ethyl ether)	ug/L	20	19.1	95	72-125	
Ethylbenzene	ug/L	20	20.1	101	75-125	
Hexachloro-1,3-butadiene	ug/L	20	19.6	98	70-138	
Isopropylbenzene (Cumene)	ug/L	20	22.5	112	75-125	
Methyl-tert-butyl ether	ug/L	20	19.6	98	73-125	
Methylene Chloride	ug/L	20	18.8	94	73-125	
n-Butylbenzene	ug/L	20	19.2	96	72-133	
n-Propylbenzene	ug/L	20	19.8	99	72-126	
Naphthalene	ug/L	20	18.3	91	70-127	
p-Isopropyltoluene	ug/L	20	21.0	105	72-132	
sec-Butylbenzene	ug/L	20	20.9	104	73-132	
Styrene	ug/L	20	21.1	105	75-125	
tert-Butylbenzene	ug/L	20	20.8	104	73-128	

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QUALITY CONTROL DATA

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

LABORATORY CONTROL SAMPLE: 2151499

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	20	20.9	105	74-125	
Tetrahydrofuran	ug/L	200	202	101	62-133	
Toluene	ug/L	20	19.0	95	74-125	
trans-1,2-Dichloroethene	ug/L	20	19.0	95	69-125	
trans-1,3-Dichloropropene	ug/L	20	20.3	101	75-125	
Trichloroethene	ug/L	20	20.0	100	75-125	
Trichlorofluoromethane	ug/L	20	21.1	105	74-127	
Vinyl chloride	ug/L	20	19.0	95	66-132	
Xylene (Total)	ug/L	60	63.3	106	75-125	
1,2-Dichloroethane-d4 (S)	%.			97	75-125	
4-Bromofluorobenzene (S)	%.			95	75-125	
Toluene-d8 (S)	%.			95	75-125	

MATRIX SPIKE SAMPLE: 2153315

Parameter	Units	10331963003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	19.1	96	70-138	
1,1,1-Trichloroethane	ug/L	ND	20	18.5	92	55-150	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	16.5	83	64-140	
1,1,2-Trichloroethane	ug/L	ND	20	18.3	92	67-137	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	19.1	95	51-150	
1,1-Dichloroethane	ug/L	ND	20	16.8	84	49-150	
1,1-Dichloroethene	ug/L	ND	20	18.3	91	40-150	
1,1-Dichloropropene	ug/L	ND	20	17.6	88	50-150	
1,2,3-Trichlorobenzene	ug/L	ND	20	16.0	80	59-148	
1,2,3-Trichloropropane	ug/L	ND	20	17.4	87	65-141	
1,2,4-Trichlorobenzene	ug/L	ND	20	15.6	78	61-140	
1,2,4-Trimethylbenzene	ug/L	ND	20	18.5	92	58-141	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	42.0	84	53-150	
1,2-Dibromoethane (EDB)	ug/L	ND	20	18.5	92	65-137	
1,2-Dichlorobenzene	ug/L	ND	20	17.6	88	66-133	
1,2-Dichloroethane	ug/L	ND	20	16.8	84	54-138	
1,2-Dichloropropane	ug/L	ND	20	17.3	87	62-138	
1,3,5-Trimethylbenzene	ug/L	ND	20	18.4	92	58-140	
1,3-Dichlorobenzene	ug/L	ND	20	17.8	88	66-132	
1,3-Dichloropropane	ug/L	ND	20	17.3	87	66-134	
1,4-Dichlorobenzene	ug/L	ND	20	16.6	83	65-129	
2,2-Dichloropropane	ug/L	ND	20	15.4	77	40-150	
2-Butanone (MEK)	ug/L	ND	100	77.3	77	51-147	
2-Chlorotoluene	ug/L	ND	20	17.5	87	58-147	
4-Chlorotoluene	ug/L	ND	20	17.9	90	64-138	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	78.2	78	59-143	
Acetone	ug/L	ND	100	110	110	63-147	
Allyl chloride	ug/L	ND	20	15.1	75	45-150	
Benzene	ug/L	ND	20	17.4	87	53-139	

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QUALITY CONTROL DATA

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

MATRIX SPIKE SAMPLE: 2153315

Parameter	Units	10331963003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/L	ND	20	18.0	90	66-136	
Bromochloromethane	ug/L	ND	20	17.8	89	64-136	
Bromodichloromethane	ug/L	ND	20	18.5	92	66-138	
Bromoform	ug/L	ND	20	19.1	96	59-136	
Bromomethane	ug/L	ND	20	20.0	100	30-150	
Carbon tetrachloride	ug/L	ND	20	18.9	94	56-150	
Chlorobenzene	ug/L	ND	20	17.7	88	65-133	
Chloroethane	ug/L	ND	20	18.7	94	48-150	
Chloroform	ug/L	ND	20	18.5	92	57-145	
Chloromethane	ug/L	ND	20	17.0	85	30-150	
cis-1,2-Dichloroethene	ug/L	ND	20	17.3	87	49-150	
cis-1,3-Dichloropropene	ug/L	ND	20	16.9	85	64-130	
Dibromochloromethane	ug/L	ND	20	18.9	95	68-138	
Dibromomethane	ug/L	ND	20	19.3	96	67-134	
Dichlorodifluoromethane	ug/L	ND	20	20.6	103	45-150	
Dichlorofluoromethane	ug/L	ND	20	19.1	95	54-150	
Diethyl ether (Ethyl ether)	ug/L	ND	20	16.8	84	50-145	
Ethylbenzene	ug/L	ND	20	18.3	92	55-139	
Hexachloro-1,3-butadiene	ug/L	ND	20	17.5	87	49-150	
Isopropylbenzene (Cumene)	ug/L	ND	20	20.6	103	64-142	
Methyl-tert-butyl ether	ug/L	ND	20	17.3	87	62-129	
Methylene Chloride	ug/L	ND	20	17.3	87	57-132	
n-Butylbenzene	ug/L	ND	20	17.0	85	55-150	
n-Propylbenzene	ug/L	ND	20	17.8	89	59-142	
Naphthalene	ug/L	ND	20	14.5	61	51-150	
p-Isopropyltoluene	ug/L	ND	20	18.4	92	60-149	
sec-Butylbenzene	ug/L	ND	20	18.8	94	60-150	
Styrene	ug/L	ND	20	19.0	95	68-134	
tert-Butylbenzene	ug/L	ND	20	18.6	93	62-146	
Tetrachloroethene	ug/L	ND	20	19.5	97	50-150	
Tetrahydrofuran	ug/L	ND	200	227	114	59-145	
Toluene	ug/L	ND	20	17.6	87	52-148	
trans-1,2-Dichloroethene	ug/L	ND	20	17.9	89	45-150	
trans-1,3-Dichloropropene	ug/L	ND	20	17.7	88	68-132	
Trichloroethene	ug/L	ND	20	19.3	96	52-150	
Trichlorofluoromethane	ug/L	ND	20	23.1	116	55-150	
Vinyl chloride	ug/L	ND	20	19.9	99	43-150	
Xylene (Total)	ug/L	ND	60	56.6	94	54-144	
1,2-Dichloroethane-d4 (S)	%.				97	75-125	
4-Bromofluorobenzene (S)	%.				96	75-125	
Toluene-d8 (S)	%.				96	75-125	

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QUALITY CONTROL DATA

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

SAMPLE DUPLICATE: 2153316

Parameter	Units	10331963004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trimethylbenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Allyl chloride	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Dichlorofluoromethane	ug/L	ND	ND		30	
Diethyl ether (Ethyl ether)	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

SAMPLE DUPLICATE: 2153316

Parameter	Units	10331963004 Result	Dup Result	RPD	Max RPD	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	2.4J		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Tetrahydrofuran	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%.	93	92	0		
4-Bromofluorobenzene (S)	%.	95	93	2		
Toluene-d8 (S)	%.	96	95	0		

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QUALITY CONTROL DATA

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

QC Batch: OEXT/31885 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 10331963001, 10331963002, 10331963003, 10331963004

METHOD BLANK: 2149214 Matrix: Water
Associated Lab Samples: 10331963001, 10331963002, 10331963003, 10331963004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
WDRO C10-C28	mg/L	ND	0.10	12/10/15 18:20	
n-Triacontane (S)	%.	73	50-150	12/10/15 18:20	

LABORATORY CONTROL SAMPLE & LCSD: 2149215 2149216

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
WDRO C10-C28	mg/L	2	1.5	1.6	76	81	75-115	6	20	
n-Triacontane (S)	%.				81	81	50-150			

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QUALITY CONTROL DATA

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

QC Batch: OEXT/32029 — Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO — Analysis Description: WIDRO GCS w/Cleanup
Associated Lab Samples: 10331963001, 10331963002, 10331963004

METHOD BLANK: 2158030 — Matrix: Water
Associated Lab Samples: 10331963001, 10331963002, 10331963004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
WDRO C10-C28	mg/L	ND	0.10	12/16/15 13:45	
n-Triacontane (S)	%.	64	62-125	12/16/15 13:45	

LABORATORY CONTROL SAMPLE & LCSD: 2158031 2158032

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
WDRO C10-C28	mg/L	2	1.3	1.5	65	73	54-125	12	20	
n-Triacontane (S)	%.				68	72	62-125			

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QUALIFIERS

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

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.

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.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P4	Sample field preservation does not meet EPA or method recommendations for this analysis.
SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.
T6	High boiling point hydrocarbons are present in the sample.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WEST BAXTER BUSINESS PARK-REV
Pace Project No.: 10331963

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10331963001	**SB-1**	WI MOD DRO	OEXT/31885	WI MOD DRO	GCSV/17462
10331963002	**SB-2**	WI MOD DRO	OEXT/31885	WI MOD DRO	GCSV/17462
10331963003	**SB-3**	WI MOD DRO	OEXT/31885	WI MOD DRO	GCSV/17462
10331963004	**SB-4**	WI MOD DRO	OEXT/31885	WI MOD DRO	GCSV/17462
10331963001	**SB-1**	WI MOD DRO	OEXT/32029	WI MOD DRO	GCSV/17515
10331963002	**SB-2**	WI MOD DRO	OEXT/32029	WI MOD DRO	GCSV/17515
10331963004	**SB-4**	WI MOD DRO	OEXT/32029	WI MOD DRO	GCSV/17515
10331963001	**SB-1**	WI MOD GRO	GCV/14729		
10331963002	**SB-2**	WI MOD GRO	GCV/14729		
10331963003	**SB-3**	WI MOD GRO	GCV/14729		
10331963004	**SB-4**	WI MOD GRO	GCV/14729		
10331963001	**SB-1**	EPA 8260B	MSV/33983		
10331963002	**SB-2**	EPA 8260B	MSV/33983		
10331963003	**SB-3**	EPA 8260B	MSV/34010		
10331963004	**SB-4**	EPA 8260B	MSV/34010		
10331963005	**TRIP BLANK**	EPA 8260B	MSV/33983		

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CHAIN-OF-CUSTODY RECORD

10331963

WIDSETH SMITH NOLTING

ALEXANDRIA
610 Fillmore St.
Alexandria, MN 56308-1028
TEL: 320.762.8149
FAX: 320.762.0263

BEMIDJI
315 5th St. NW
Bemidji, MN 56601
TEL: 218.444.1859
FAX: 218.444.1860

BRAINERD/BAXTER
7804 Industrial Park Rd.
Baxter, MN 56425
TEL: 218.829.5117
FAX: 218.829.2517

CROOKSTON
216 South Main
Crookston, MN 56716
TEL: 218.281.6522
FAX: 218.281.6545

GRAND FORKS
2715 S. Washington
Grand Forks, ND 58201
TEL: 701.795.1975
FAX: 701.795.1978

ENGINEERING ARCHITECTURE LAND SURVEYING ENVIRONMENTAL SERVICES

PROJECT NUMBER: 0270B0714.000

PROJECT NAME: West Baxter Business Park Phase II

LOCATION: Baxter, MN

SAMPLERS: (Signature) [signature]

SAMPLERS: (Print) Michael Bogart

SAMPLE DESCRIPTION	DATE	TIME	COMP	GRAB	SAMPLE MATERIAL	NUMBER OF CONTAINERS	ANALYSES REQUEST: DRO/GRO/VOC					REMARKS
SB-1	12/1/15	10:50		X	H_2O	8	X					
SB-2	12/1/15	12:00		X	H_2O	8	X					
SB-3	12/1/15	14:10		X	H_2O	8	X					
SB-4	12/1/15	16:00		X	H_2O	8	X					
TB KH12315	—	—		X	H_2O	2						

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	12/2/15 14:00				

Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Report To:
		PACE	12.3 12:20	Vladimir Zirkovic

Bill To: WSN 0270B0714.000

T=4.5

Distribution: White – Accompanies Shipment; Pink – Project File; Yellow – Laboratory

№ 5426

H:\OFFICE\FORMS\ENVIRO\Chain of Custody Record.doc

Pace Analytical	Document Name: **Sample Condition Upon Receipt Form**	Document Revised: 23Feb2015 Page 1 of 1
	Document No.: **F-MN-L-213-rev.13**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: Widseth Smith Nolting

Project #: WO#: 10331963

10331963

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☑ SpeeDee ☐ Other:

Tracking Number:

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

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☑ Other: PB **Temp Blank?** ☑ Yes ☐ No

Thermometer Used: ☐ B88A9130516413 ☐ B88A912167504 ☑ B88A0143310098 **Type of Ice:** ☑ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read (°C): 4.1 **Cooler Temp Corrected (°C):** 4.5 **Biological Tissue Frozen?** ☐ Yes ☐ No ☑ N/A

Temp should be above freezing to 6°C **Correction Factor:** +0.4 **Date and Initials of Person Examining Contents:** KH 12-3-15

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, AZ, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or WA (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☑ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	7.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WP	☑ Yes	☐ No	☐ N/A	12.
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide)	☐ Yes	☐ No	☑ N/A	
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC	☑ Yes	☐ No	☐ N/A	Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☐ Yes	☑ No	☐ N/A	14.
Trip Blank Present? KH 12-3	☑ Yes	☐ No	☐ N/A	15.
Trip Blank Custody Seals Present?	☑ Yes	☐ No	☐ N/A	
Pace Trip Blank Lot # (if purchased): 111610				

CLIENT NOTIFICATION/RESOLUTION 111615-01 **Field Data Required?** ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Kinda Xump **Date:** Dec. 3, 2015

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