Fourth Quarter 2014 Groundwater Monitoring Report

BP PRODUCTS NORTH AMERICA INC.
Site # 215 – Indianapolis Terminal
2500 N. Tibbs Avenue
Indianapolis, Marion County, IN 46222

Prepared for:
BP Products North America Inc.

Prepared by:
Stantec Consulting Services, Inc.
8770 Guion Road, Suite B
Indianapolis, IN 46268

February 10, 2015

Table of Contents

FIGURES

TABLES

APPENDICES

1.0 Introduction

Stantec Consulting Services, Inc. (Stantec) has prepared this monitoring report on behalf of BP Products North America Inc. (BP) for the BP Indianapolis Terminal Site #215, located at 2500 North Tibbs Avenue, Indianapolis, Marion County, Indiana (herein referred to as the Site). BP has entered into an Administrative Order by Consent under Section 311 of the Clean Water Act 33 U.S.C. Section 1321 Docket Number V-W-11.C-984 effective November 14, 2011 (referenced herein as the Order). Specifically, this document is part of the Work to Be Performed in accordance with Paragraph V.31.c of the Order that states, "BP shall provide sampling reports through electronic posting for the monthly sampling of Little Eagle Creek and quarterly groundwater sampling to EPA within thirty (30) calendar days after receipt of validated sampling results".

The site is a 42-acre bulk petroleum storage and distribution facility located at 2500 North Tibbs Avenue in Indianapolis, Indiana (Figure 1). Environmental investigations began in 1988 and are currently being conducted by Stantec. This report has been prepared to document groundwater sampling activities completed at the Site during the Fourth Quarter 2014.

The Site has been in operation as a bulk petroleum storage and distribution facility since 1941. Current Site features are provided on Figure 2. Further details on Site history are documented in Section 1.0 of the Investigation Work Plan, dated April 13, 2012.

The Fourth Quarter sampling event was conducted in accordance with paragraph V.31.b.iii of the Order that requires, "Quarterly sampling of select on-site monitoring wells as identified by BP and approved by EPA". The locations of the wells and piezometers are depicted on Figure 2.

2.0 Surface Water Monitoring

Surface water samples from nine locations in Little Eagle Creek (identified as 1A, 1B, 2A, 2B, 3A, 3B, 4B, 5B, and 6B) were collected on December 17, 2014. The December surface water sampling event summary is presented in this report. Monthly surface water sampling reports summarizing the October and November sampling events from the Fourth Quarter 2014 were submitted under separate cover to U.S. EPA on December 8, 2014, and January 8, 2015, respectively. A summary of the December 17, 2014 surface water analytical results is presented in Table 1, and is illustrated on Figure 3. The surface water analytical report is included in Appendix A.

The samples were collected in accordance with the Quality Assurance Project Plan (QAPP) dated January 23, 2012 (Addendums dated April 12, 2012 and March 11, 2014). Samples were placed in coolers with ice, and transported under chain-of-custody procedures to Pace Analytical Services, Inc. (Pace) of Indianapolis, Indiana for analysis of benzene, toluene, ethylbenzene, total xylenes (BTEX), and polynuclear aromatic hydrocarbons (PAHs). Samples were analyzed via U.S. EPA Method 524.2 and 8270 SIM, respectively.

The data validation for the December 2014 Little Eagle Creek sampling event is located in Appendix B. In accordance with the U.S. EPA correspondence dated April 28, 2014, Addendum to the Quality Assurance Project Plan and Sampling and Analysis Plan, routinely collected data requires 100% verification and 10% validation.

Laboratory analysis of the surface water samples collected during the December sampling event showed that all BTEX and all 16 targeted PAH constituents were below laboratory detection limits.

The December 2014 surface water sampling event was conducted when the pump and treat system was operational.

3.0 Groundwater Monitoring

The Fourth Quarter 2014 groundwater monitoring event was conducted during the period of December 1, through December 12, 2014 in accordance with the schedule presented in the Quality Assurance Project Plan (QAPP) dated January 23, 2012. The December 2014 groundwater sampling was conducted in accordance with the U.S. EPA approved QAPP except as described in Section 3.2.

3.1 GROUNDWATER ELEVATION MEASUREMENT CORRESPONDENCE

Groundwater elevation data is summarized in Table 2. The groundwater contour map for the Fourth Quarter of 2014 is presented as Figure 4. In general, the potentiometric surface map indicates that the inferred groundwater flow over the majority of the Site converges on Little Eagle Creek with a localized groundwater depression resulting from the operation of the Groundwater Extraction and Treatment (GWET) system. As illustrated by groundwater elevations presented on Figure 4, it is evident that the local groundwater sink created by the operation of the GWET system is providing hydraulic containment over a large portion of the Site east of Little Eagle Creek.

3.2 GROUNDWATER MONITORING PROCEDURES

Prior to collection of groundwater samples, groundwater elevation measurements were obtained from each well in accordance with the QAPP dated January 23, 2012. The depth to groundwater was measured with a water level indicator to an accuracy of 0.01-feet. An interface probe was used to measure the depth and thickness of light non-aqueous phase liquid (LNAPL) where encountered. Monitoring wells included in the Revised Sampling Location plan were not sampled if LNAPL was detected in the well.

Groundwater samples were collected in accordance with procedures presented in the QAPP dated January 23, 2012, and with a modified procedure due to low yielding wells. The approved modified procedure is as follows:

- Gauge monitoring well for static water level;
- Purge for stability;
- If groundwater level dropped greater than 0.3 feet during purging, lower pump to the bottom of well and purge dry; and
- Collect sample when water level has recovered to 80% of initial reading, but not exceeding a 24-hour period post-purge.

The following deviation from the QAPP was noted during the sampling event:

- Monitoring wells south of the site were not simultaneously gauged with the rest of wells because of access issues with a third party. Groundwater elevations for these wells are not included in the December 2014 Groundwater Contour Map (Figure 4) but are provided in Table 2. Despite the absence of these measurements the groundwater monitoring network was sufficient to characterize groundwater flow direction and assess capture zone. The third party was contacted and wells south of the site were sampled according to the sampling plan.

The aforementioned variance was recorded on a Variance/Time Delay Form (ERPA-302) and can be found in Appendix C.

Samples were decanted directly into laboratory-supplied containers and placed on ice in a cooler for delivery to Pace Analytical Laboratories in Indianapolis, Indiana. Per the QAPP dated January 23, 2012, groundwater samples were analyzed for BTEX and PAHs by U.S. EPA Methods 8260 and 8270 SIM, respectively.

Any non-dedicated equipment was decontaminated after each sampling location using a non-phosphate detergent and water with a triple rinse. Decontamination water was contained in 55-gallon and processed through the on-site groundwater treatment system.

3.3 GROUNDWATER MONITORING RESULTS

Groundwater analytical results from the Fourth Quarter 2014 event are summarized in Table 3. Laboratory reports for groundwater analytical results are presented in Appendix D.

For purposes of evaluating the nature and extent of constituent of concern (COC) concentrations in groundwater, available data has been compared to various screening levels developed either by U.S. EPA or the Indiana Department of Environmental Management (IDEM). These screening levels are referenced in this context only for evaluation of nature and extent and should not be construed as remediation objectives. As a conservative measure, groundwater COC concentrations were first compared to U.S. EPA Maximum Contaminant Levels (MCLs). If a specific COC has no MCL, then IDEM's Risk Integrated System of Closure (RISC) Default Closure Level values for residential land use were used as screening levels. Groundwater screening levels are summarized in Table 3. For purposes of this discussion, all of the criteria identified above are referred to as "screening levels."

Groundwater monitoring conducted during the Fourth Quarter 2014 identified the presence of benzene, ethylbenzene, benzo(a)pyrene, benzo(g,h,i)pyrene, and naphthalene at concentrations above screening levels. Of these constituents, benzene concentrations exhibited the largest aerial extent (refer to Figure 5). Ethylbenzene concentrations were observed near the old loading rack and in the southwestern extent of the tank farm as illustrated on Figure 6. The lateral extent of observed naphthalene concentrations is illustrated on Figure 7. The remaining PAHs identified above were observed at concentrations above their respective screening levels in only monitoring well DHW-28 and the duplicate sample taken at DHW-116.

Both wells are located near the old loading rack. Validation results for the Third Quarter Groundwater Monitoring event can be found in Appendix E.

It should be noted, that wells between the GWET system and Little Eagle Creek (i.e., DHW-64, DHW-86, DHW-87, OW-31, and OW-32) that have historically exhibited benzene concentrations in excess of the screening levels have shown a progressive decline in concentrations. In fact, during the Fourth Quarter of 2014, none of these wells exhibited detectable benzene concentrations above reporting limits. Review of historic groundwater data since March of 2012 shows a progressive decline in benzene concentrations in these wells. The following provides a summary of concentration changes observed in wells between the GWET system and Little Eagle Creek:

- DHW-64: March 2012 - 1,460 µg/L benzene declined to <5.0 µg/L benzene during September and December 2014;
- DHW-86: March 2012 - 747 µg/L benzene declined to <5.0 µg/L benzene during September and December 2014;
- DHW-87: March 2012 - 21.6 µg/L benzene declined to <5.0 µg/L benzene during September and December 2014;
- OW-31: March 2012 - 70.6 µg/L benzene declined to <5.0 µg/L benzene during September and December 2014; and,
- OW-32: March 2012 - 153 µg/L benzene declined to 2.1J µg/L benzene during December 2014.

4.0 Capture Zone Analysis

A capture zone analysis was performed to evaluate the effectiveness of the on-site GWET system. The following analyses were conducted:

1. Groundwater potentiometric surface interpolation using kriging with log-linear Interpolation (Figure 8);
2. Particle tracking (Figure 8); and,
3. Gradient vector analysis (Figure 9).

This approach to evaluate groundwater containment uses multiple interpretation techniques (or lines of evidence) to increase the value of the inference that can be made from the collected data sets. All groundwater investigations require some level of spatial and temporal interpretation to allow inference between data measurements and conclusions. Using the methodology described below, meaningful inference can be made regarding the nature of containment and the adequacy of the monitoring network. The following sections summarize the procedures and results for each analysis performed.

4.1 GROUNDWATER POTENTIOMETRIC SURFACE INTERPOLATION USING KRIGING WITH LOG-LINEAR INTERPOLATION

To facilitate the visualization and interpretation of the hydraulic containment of the COCs in groundwater, it is necessary to portray the distribution of COCs on the prepared potentiometric, particle-tracking, and hydraulic gradient vector maps (U.S. EPA, 2008). This was accomplished by producing a Target Zone Map which is included on Figure 8.

The Target Zone Map was constructed using the following steps:

1. Summarize concentrations of COCs for the last two comprehensive semi-annual sampling events and identify the highest concentration of each COC at each well location;

2. Plot these values on a map and interpolate between them to construct color-flooded target zones showing the COCs above screening levels; and,

3. Overlay the individual COC maps and interpolate the maximum areal extent of any COC (this becomes the Target Zone to evaluate hydraulic containment).

The Target Zone Map provides a simplified and conservative version of the extent of groundwater contamination and may be used to quickly evaluate the distribution of the targeted COCs in groundwater and assist in interpolation techniques such as capture zone analysis and particle tracking. The Target Zone Map is a conservative representation of the extent of contamination because it ignores temporal variability and disregards potential outliers. This type of conservative approach is desirable because it evaluates the largest possible

interpretation of the contaminant zone. Figure 8, December 2014 Particle Tracking Map, is a depiction of the interpolated maximum extent of COCs in groundwater in 2014. This target zone was overlaid with groundwater elevation contours, capture zones, particle traces and/or hydraulic gradient vectors as appropriate to clearly illustrate the extent of the capture zone with respect to the maximum inferred position of the COC plume.

The December 2014 potentiometric surface data collected from the Site monitoring well network was contoured and is presented in Table 2. Data used as a basis for the potentiometric surface evaluation included measured groundwater elevations and GWET extraction well flow rates. The GWET system was operational for 4 days prior to and during gauging activities for the December 2014 groundwater sampling event. Figure 8 illustrates the potentiometric surface generated using a method of kriging with log-linear interpolation as described in "Kriging Water Levels with a Regional-Linear and Point Logarithmic Drift" (Tonkin, 2002). Kriging is commonly used in hydrogeologic applications for interpretation of groundwater level data to a regular grid suitable for contouring. The application of the selected interpolation method further adds the ability to more appropriately represent the logarithmic effects of groundwater extraction wells and trenches within the potentiometric surfaces. The result of the kriging with log-linear interpolation is uniform gridded data that was then contoured and overlain on the Site base maps. This data was also further used as a basis for particle tracking discussed further in Section 4.2.

As previously stated, a groundwater contour map for the December 2014 monitoring event is presented as Figure 4. Based upon the groundwater contour map, a groundwater depression caused by the operation of the GWET system is evident east of the Little Eagle Creek. The local groundwater in the area with the highest target zone impacts converges on the potentiometric surface low created by the GWET. This includes the area between the GWET and the creek, indicating that the GWET is drawing back impacted water in this zone.

While the potentiometric surface evaluation using the kriging with log-linear drift algorithm has advantages in interpolation of groundwater extraction wells and uniform treatment of the site data, it is limited by the availability and quality of data points. In some areas where there is a paucity of groundwater elevation data or where groundwater elevation data does not accurately fit the model of log-linear drift, groundwater contours may be less accurately interpreted. For example, the data density is greater near the northern portion of the extraction system due to the presence of numerous monitoring points from previous investigations and pilot studies. However, south of the trench there are fewer monitoring wells and the uncertainty of the interpretation would be anticipated to be larger.

4.2 PARTICLE TRACKING

Based on the potentiometric surface map, a particle tracking analysis was completed using simulated particles originating from the extent of the Target Zone as defined on Figure 8 and traveling in the inferred direction of groundwater flow until they terminate at a localized groundwater boundary.

Figure 8 presents the traces of hypothetical particles released along the extent of contamination as defined in the Target Zone Map.

The December 2014 Particle Tracking Map (Figure 8), indicates containment of the impacted groundwater. In past quarters, simulated particles on the southwestern extent of the plume indicated potential weakness in the capture zone in this area. However, evaluation of the Fourth Quarter 2014 data (illustrated on Figure 8) demonstrates complete capture even on the southwestern boundary.

4.3 GRADIENT VECTOR ANALYSIS

For the purposes of identifying the hydraulic gradient (magnitude and direction) in a key portion of the Site between the GWET system and Little Eagle Creek, hydraulic gradients were directly calculated from measured groundwater elevations and solved using the "three point method." A plane in space may be described by any three points and the calculated azimuth and magnitude of the slope of the plane defines the orientation of the potentiometric surface based upon the plane. The hydraulic gradient vectors (direction and magnitude of gradient) were calculated for the December 2014 monitoring event at key well locations located at the margins of the identified plume. The calculated gradient vectors were further evaluated to assess the effectiveness of the containment system through projection of vectors on Site maps (Figure 9).

Key locations at which gradients were calculated include the following triplets of wells:

- PZ-3, DHW-61, DHW-87;
- PZ-3, DHW-86, DHW-87;
- PZ-3, DHW-86, OW-31;
- OW-32, OW-31, OW-33;
- OW-32, PZ02, OW-33;
- OW-34, PZ02, DHW-64; and
- MW-16, DHW-84, DHW-100.

Based upon the data available in the triangular elements, groundwater flow direction at the identified triplets is either towards the extraction wells or tangentially in the direction of extraction. The observed hydraulic gradient ranged from 0.051 feet per foot (ft/ft) to 0.153 ft/ft. The two monitoring events indicate the dynamics of the groundwater flow system to remain fairly consistent when the GWET system is operating. This is consistent with our understanding of the hydrogeologic conditions of the Site displaying a relatively flat but steady capture being maintained by the GWET system.

It is noted that all of the triangular elements indicate a flow azimuth in the direction of the GWET system except for PZ-3, DHW-61, and DHW-87 as well as PZ-3, DHW-87 and DHW-86 which both indicate groundwater flows parallel to the groundwater extraction trench.

4.4 CONCLUSIONS

The analysis presented herein demonstrates that the GWET system continues to exert effective hydraulic capture of the identified Target Zone. Further, operation of the system has resulted in continued absence in detectable constituent concentrations in surface water and resulted in significant declines in constituent concentrations in groundwater down gradient of the GWET system. This conclusion is based on the following lines of evidence:

1) Particle tracking of the potentiometric surface indicating flow from the delineated target zone to the GWET system;

2) Decreased concentrations of constituents since the start-up of the GWET system in monitoring wells located down gradient of the extraction system;

3) Absence of detectable BTEX constituents in surface water down gradient of the GWET system; and,

4) Gradient analysis that verifies that groundwater flow direction is towards the GWET at key locations within the Site.

5.0 References

Tonkin, Matthew J. and Larson, Steven P. 2002. "Kriging Water levels with a Regional-Linear and Point-Logarithmic Drift." Ground Water 40, No. 2: pg. 185-193.

U.S. EPA. "A Systematic Approach for Evaluation of Capture Zones at Pump and Treat Systems." U.S. Environmental Protection Agency, Washington, DC, EPA/600/R-08/003, 2008.

6.0 Statement of Limitations

The conclusions presented in this report are professional opinions based on the data presented in this report. They are intended only for the purpose, site location and project indicated. The conclusions presented in this report are based on the assumption that conditions do not deviate from those observed during our study, as described in this report. No other warranty is either expressed or implied. This report is intended for the use of Stantec's client and/or the appropriate regulatory agency only; all other uses must be approved by Stantec and the client in writing.

Prepared by:

Kyle J. Amberger, LPG
Project Geologist

Reviewed by:

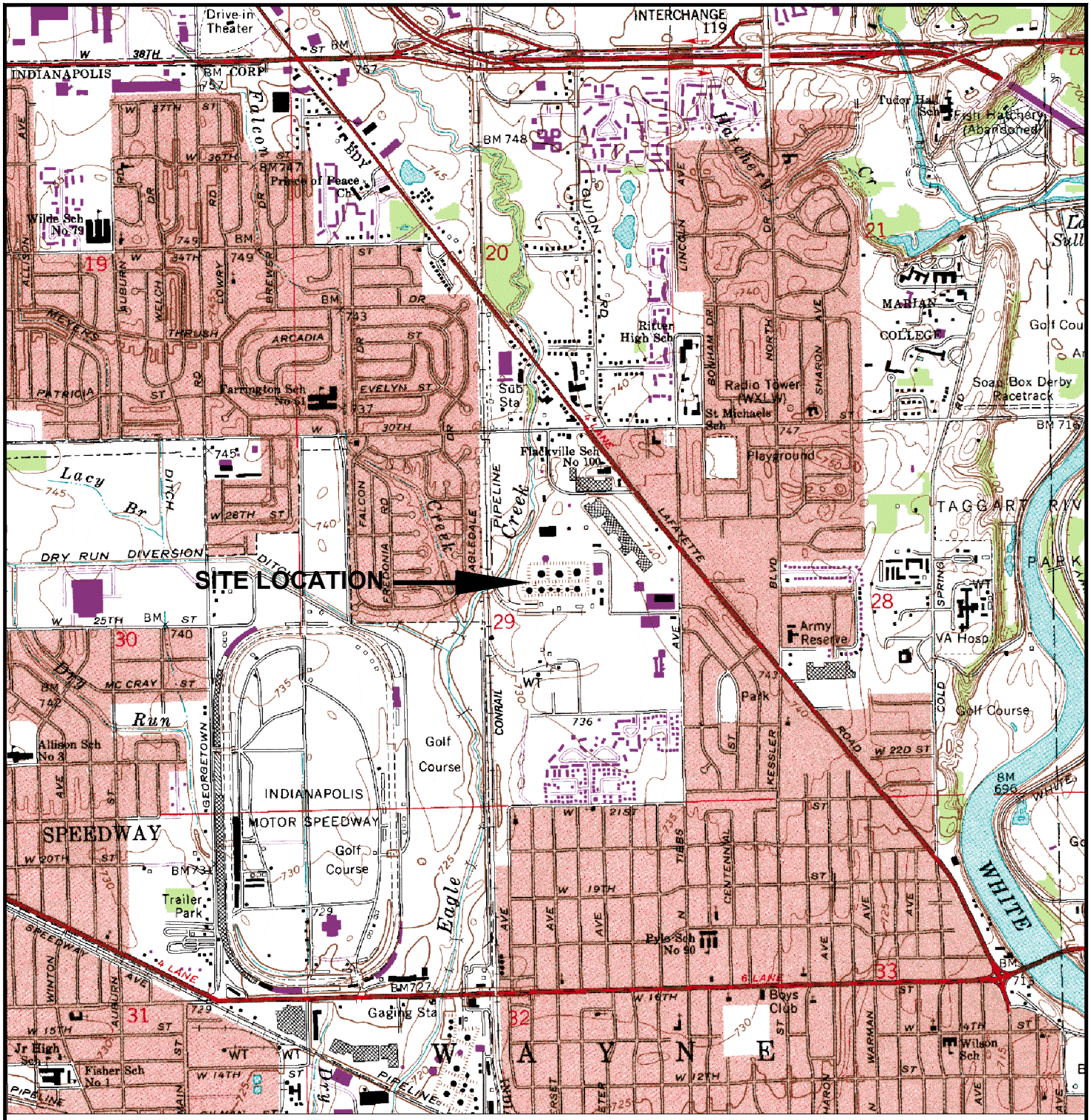
for James M. Kerr, Jr. /afj

James M. Kerr, Jr., LPG
U.S. ES Quality Lead

Approved by:

John W. McInnes, LPG
Managing Principal Geologist

FIGURES



SOURCE:
USGS 7.5 MINUTE
TOPOGRAPHIC MAP–
INDIANAPOLIS WEST, INDIANA
QUADRANGLE, 1967
PHOTOREVISED 1980, PHOTOINSPECTED 1984

QUADRANGLE LOCATION

0 2000 4000

APPROXIMATE SCALE (FEET)

N

Stantec

8770 GUION ROAD, SUITE B
INDIANAPOLIS, INDIANA 46268
PHONE: (317) 876-8375 FAX: (317) 876-8382

FOR:

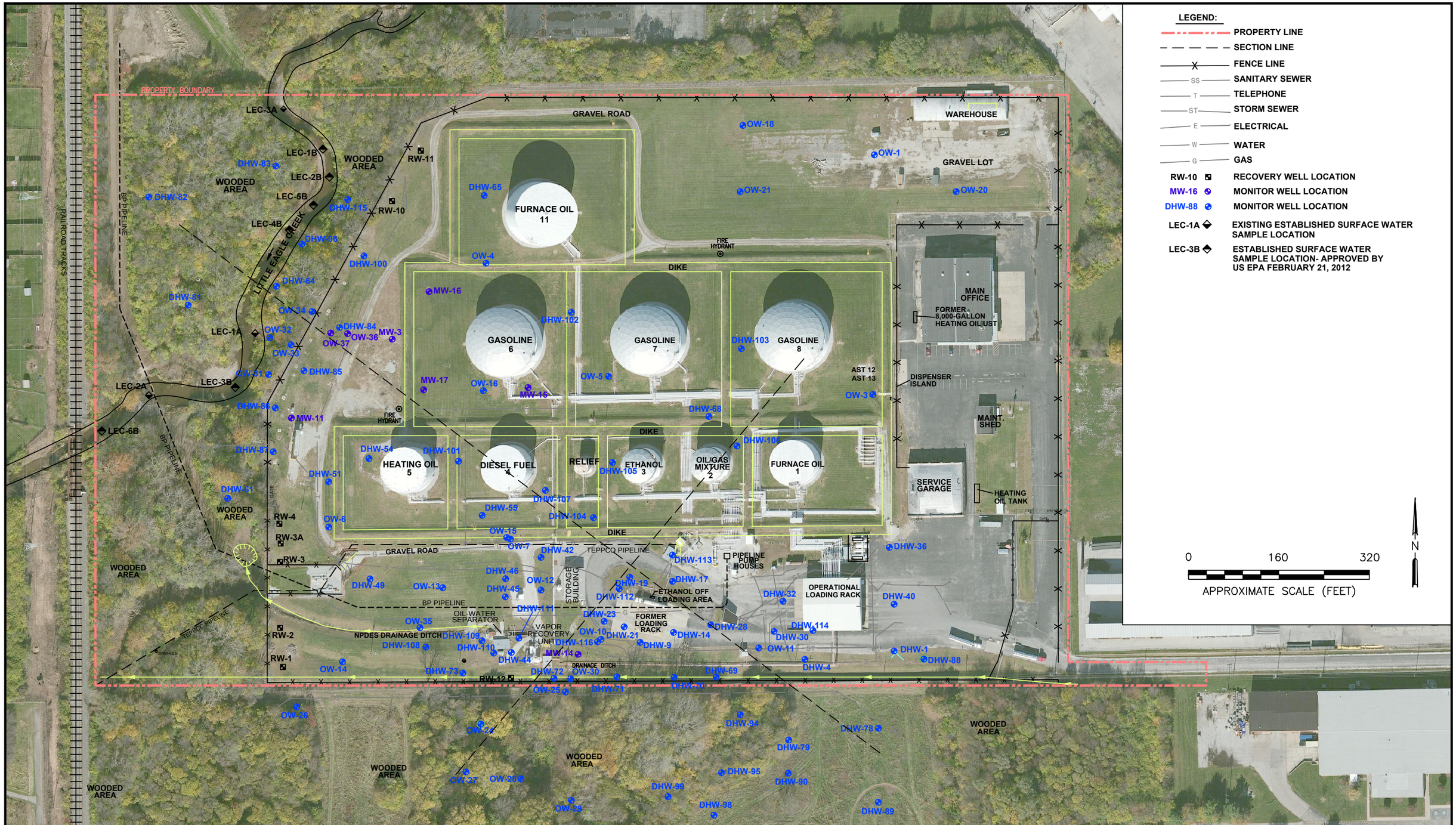
BP PRODUCTS NORTH AMERICA, INC.
BP SITE #215 - INDIANAPOLIS TERMINAL
2500 NORTH TIBBS AVENUE
INDIANAPOLIS, MARION COUNTY, INDIANA

SITE LOCATION MAP

FIGURE: 1

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
182612296	KM	KA	JM	11/27/13

FILEPATH:W:\ACTIVE OFFICE INDIANAPOLIS\BP 215 INDIANAPOLIS\1-2012 CADD\182612296-SLM.dwg|kmitchell|Nov 27, 2013 at 13:43|Layout: FIGURE 1



Stantec

8770 GUION ROAD, SUITE B
INDIANAPOLIS, INDIANA 46268
PHONE: (317) 876-8375 FAX: (317) 876-8382

FOR:

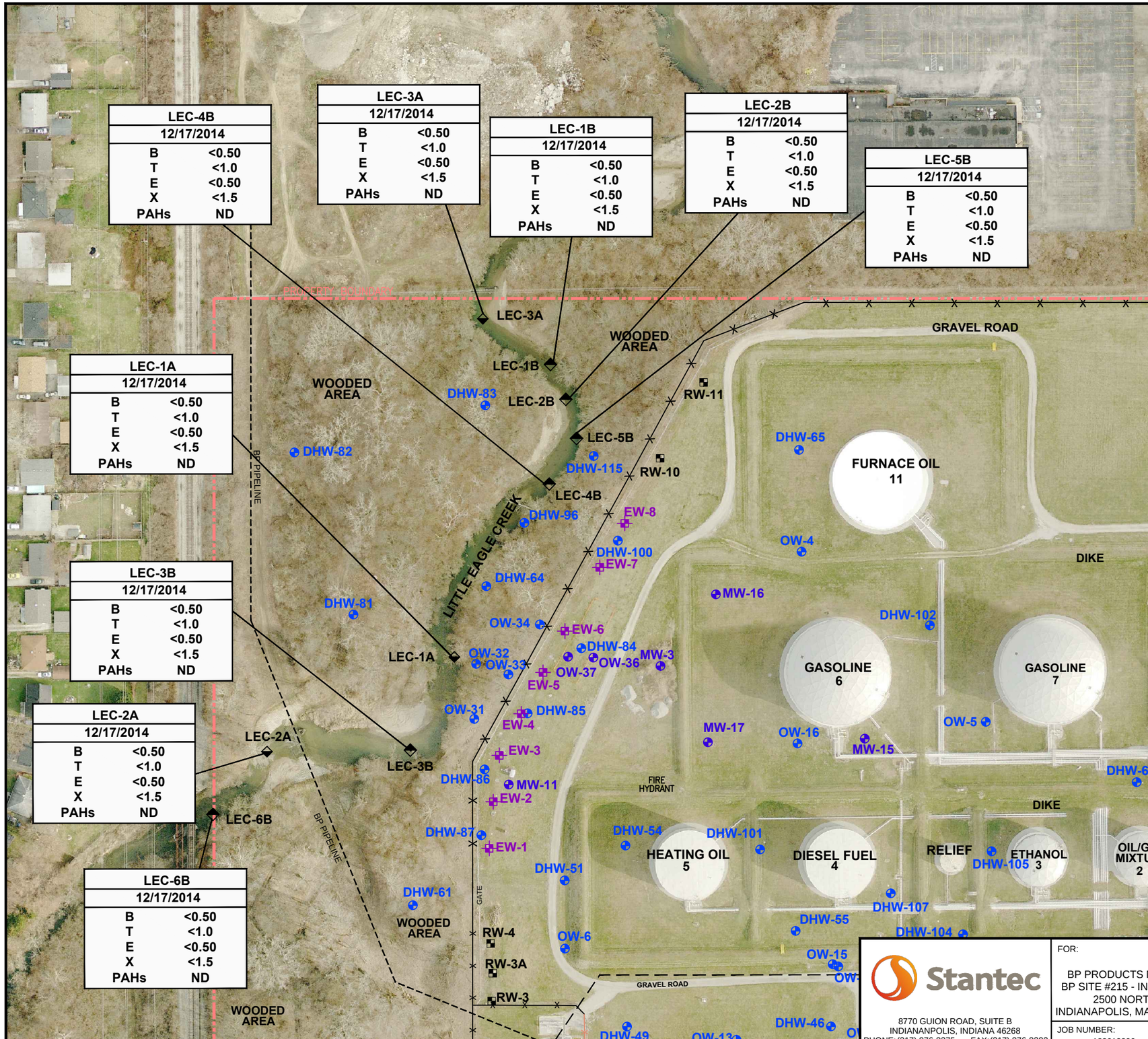
BP PRODUCTS NORTH AMERICA, INC.
BP SITE #215 - INDIANAPOLIS TERMINAL
2500 NORTH TIBBS AVENUE
INDIANAPOLIS, MARION COUNTY, INDIANA

CURRENT SITE CONDITIONS MAP

FIGURE: 2

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
182612996	KM	KA	JM	11/27/13

FILEPATH:W:\ACTIVE OFFICE INDIANAPOLIS\BP 215 INDIANAPOLIS\1-2012 CADD\182612296-SM12H-F2.dwg|kmitchell|Nov 27, 2013 at 13:42|Layout: SITE MAP FIGURE 2 (4-24)



LEGEND:

- PROPERTY LINE
- FENCE LINE
- RW-10 RECOVERY WELL LOCATION
- MW-16 MONITOR WELL LOCATION
- DHW-88 MONITOR WELL LOCATION
- EW-8 EXTRACTION WELL LOCATION
- LEC-1A EXISTING ESTABLISHED SURFACE WATER SAMPLE LOCATION
- LEC-3B ESTABLISHED SURFACE WATER SAMPLE LOCATION- APPROVED BY US EPA FEBRUARY 21, 2012

LEC-5B	SAMPLE ID NUMBER
12/17/2014	SAMPLE DATE
B <0.50	Benzene
T <1.0	Toluene
E <0.50	Ethylbenzene
X <1.5	Total Xylenes
PAHs ND	Poly Aromatic Hydrocarbons

RESULTS IN ug/L
ALL OTHER TARGETED PAHs NOT LISTED ARE ND
ND= NOT DETECTED

BTEX (SAMPLE METHOD 524.2)
PAH (SAMPLE METHOD 8270 SIM)

0 120 240
APPROXIMATE SCALE (FEET)

N

SOURCE MAP:
DELTA HULL & ASSOCIATES, INC.
INDIANAPOLIS, INDIANA
PROJECT NUMBER 00215SA091, FILE BP_SITE_215.DWG
DATED FEBRUARY 2009

Stantec
8770 GUION ROAD, SUITE B
INDIANANPOLIS, INDIANA 46268
PHONE:(317) 876-8375 FAX:(317) 876-8382

FOR:
BP PRODUCTS NORTH AMERICA, INC.
BP SITE #215 - INDIANAPOLIS TERMINAL
2500 NORTH TIBBS AVENUE
INDIANAPOLIS, MARION COUNTY, INDIANA

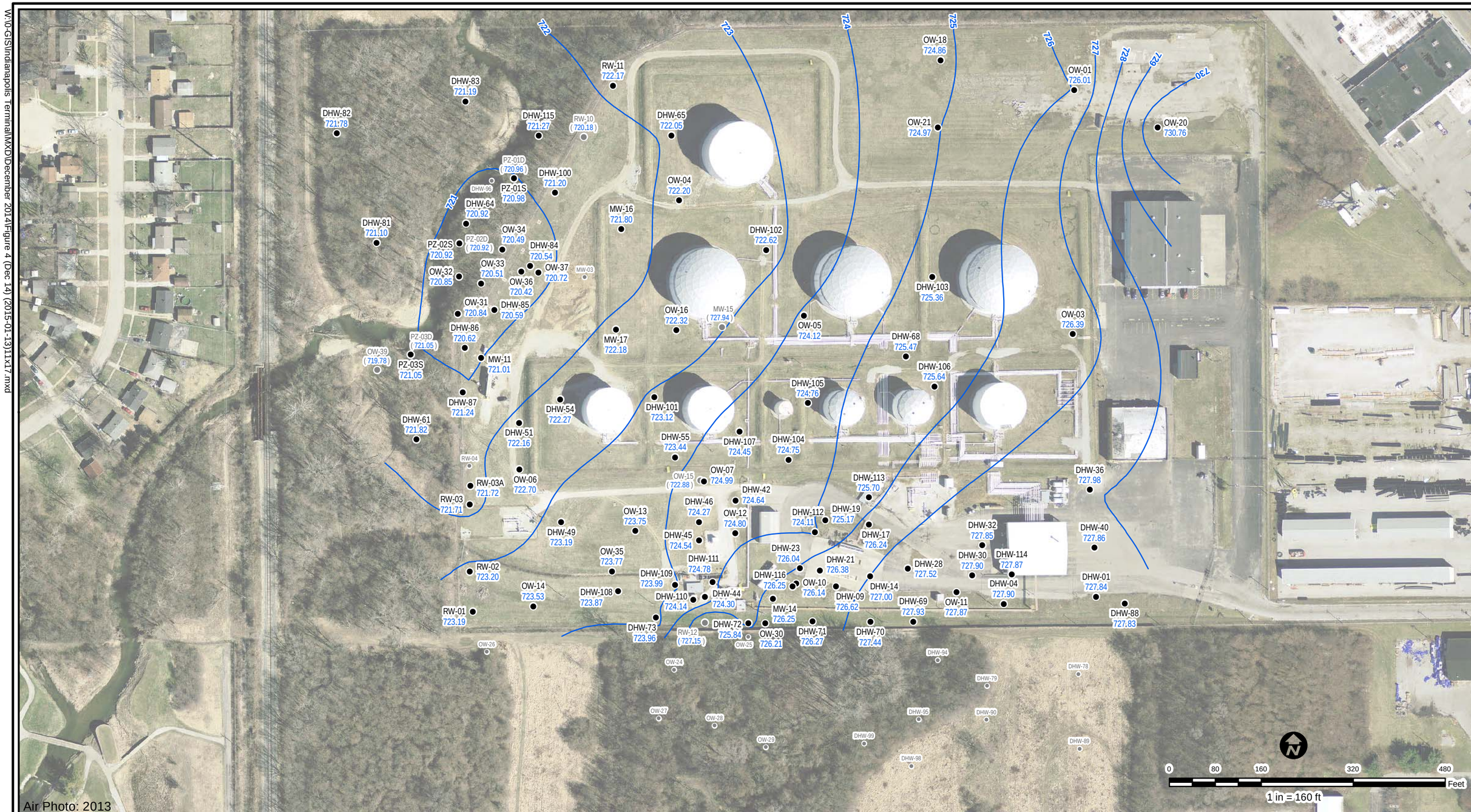
SURFACE WATER SAMPLING RESULTS
DECEMBER 17, 2014

FIGURE: 3

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
182612296	KM	NJ	JM	12/03/14

FILEPATH:W:\ACTIVE OFFICE INDIANAPOLIS\BP 215 INDIANAPOLIS\1-2012 CADD\182612296-LEC12-14.dwg|KMitchell|Jan 07, 2015 at 11:46|Layout: FIGURE 3

W:\0-GIS\Indianapolis Terminal\MXD\December 2014\Figure 4 (Dec 14) (2015-01-13)11x17.mxd



Legend

- 723.04 Monitoring Well
- (723.04) Monitoring Well (Not used for contouring)
- Potentiometric Surface Contour

Note:

1) Contour interval = 1 foot

Stantec
8770 GUION ROAD, SUITE B
INDIANAPOLIS, INDIANA
PHONE: (317) 876-8375 FAX: (317) 876-8382

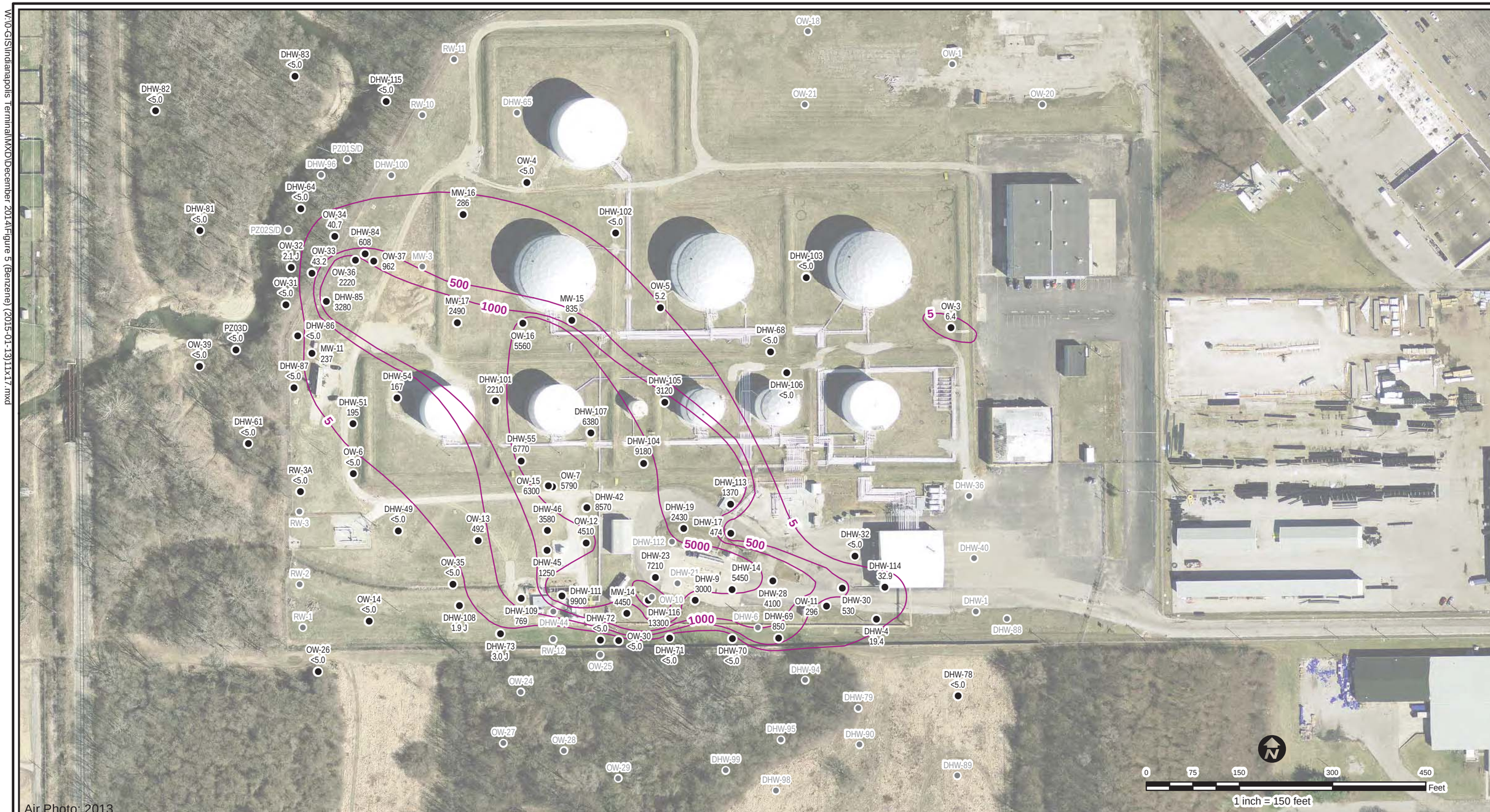
FOR:
BP PRODUCTS NORTH AMERICA, INC
BP SITE #215
2500 NORTH TIBBS AVENUE
INDIANAPOLIS, MARION COUNTY, IN

DECEMBER 2014
GROUNDWATER CONTOUR MAP

FIGURE: 4

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
182612296	AI	KA	JM	02/06/15

W:\0-GIS\Indianapolis Terminal\MXD\December 2014\Figure 5 (Benzene) (2015-01-13)11x17.mxd



Legend

- Monitoring Wells
- Monitoring Wells (Not Sampled)
- COC Contour

Note:

1) Groundwater samples collected between December 2 - 12, 2014
2) Concentrations presented in micrograms per liter (ug/l)
3) Screening level 5 ug/l (MCL)
4) J = The reported result is an estimated value by the laboratory

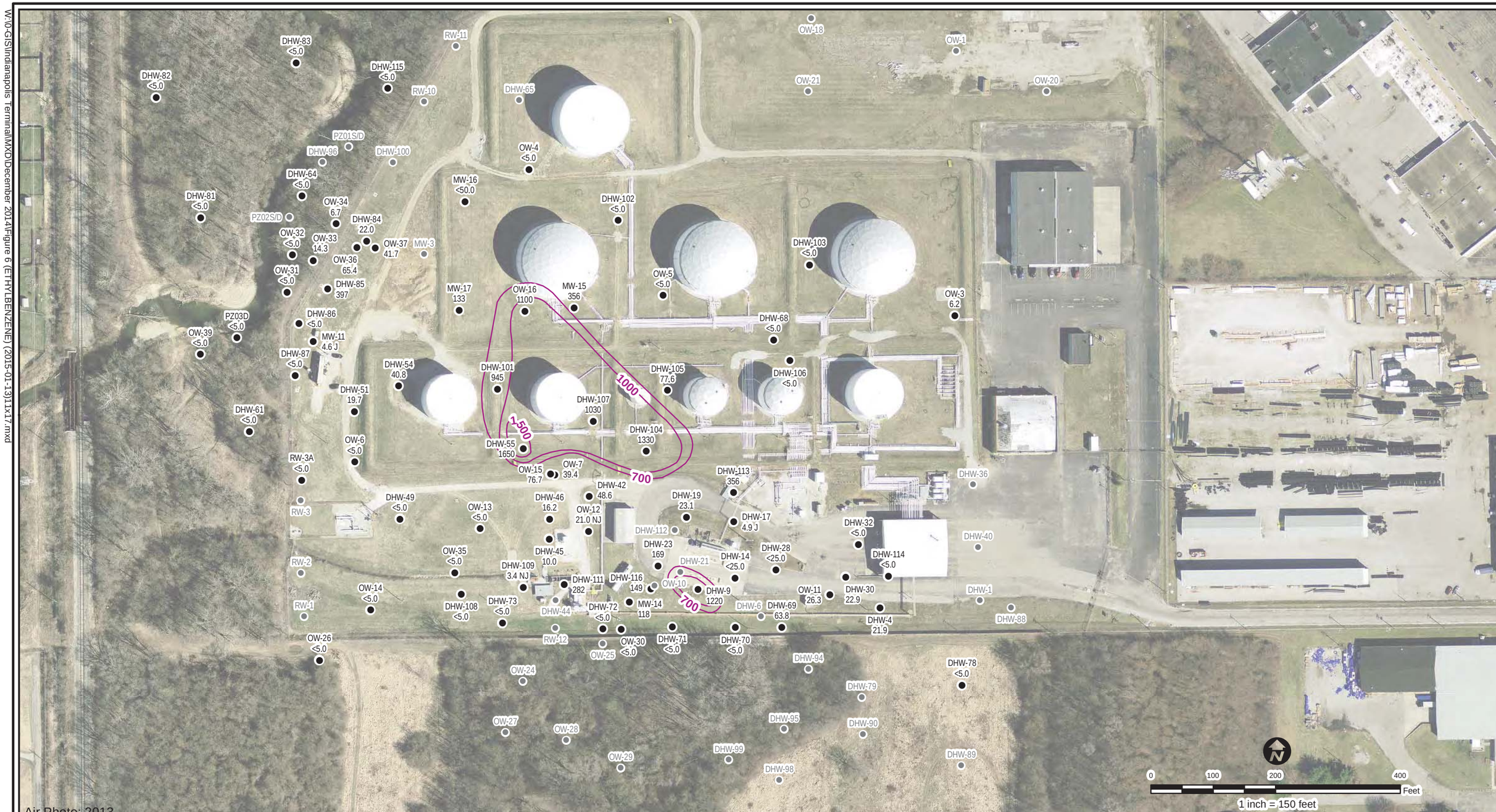
Stantec
8770 GUION ROAD, SUITE B
INDIANAPOLIS, INDIANA
PHONE: (317) 876-8375 FAX: (317) 876-8382

FOR:
BP PRODUCTS NORTH AMERICA, INC.
BP SITE #215 - INDIANAPOLIS TERMINAL
2500 NORTH TIBBS AVENUE
INDIANAPOLIS, MARION COUNTY, INDIANA

BENZENE GROUNDWATER ANALYTICAL RESULTS MAP DECEMBER 2014

FIGURE: 5

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
182602296	AI/PB	KA	JM	01/29/15



W:\0-GIS\Indianapolis Terminal\MXD\December 2014\Figure 6 (ETHYLBENZENE) (2015-01-13)11x17.mxd

Legend

- Monitoring Wells
- Monitoring Wells (Not Sampled)
- COC Contour

Note:

1) Groundwater samples collected between December 2 - 12, 2014
2) Concentrations presented in micrograms per liter (ug/L)
3) Screening level 700 ug/l (MCL)
4) J = The reported result is an estimated value by the laboratory

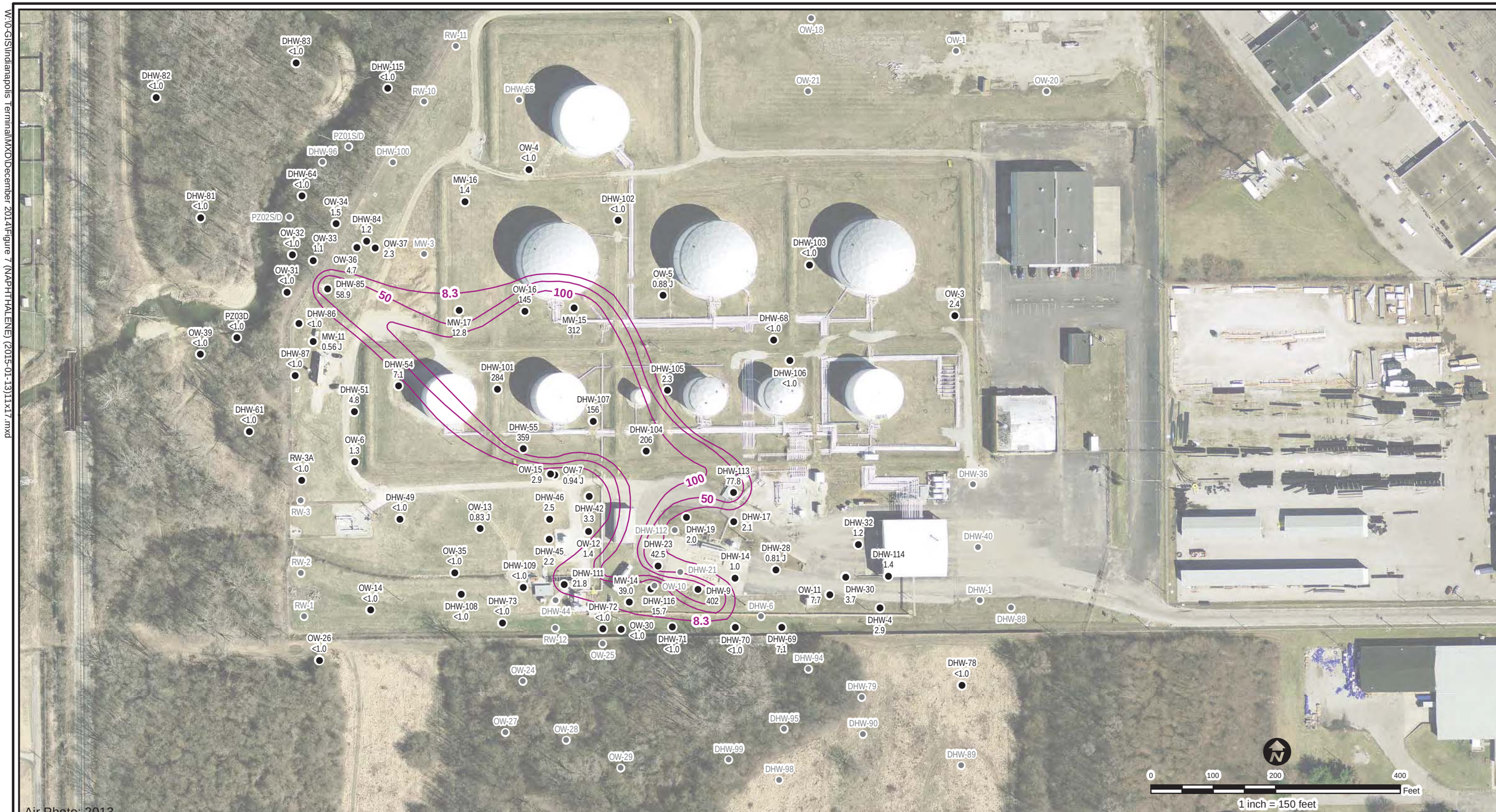
Stantec
8770 GUION ROAD, SUITE B
INDIANAPOLIS, INDIANA
PHONE: (317) 876-8375 FAX: (317) 876-8382

FOR:
BP PRODUCTS NORTH AMERICA, INC.
BP SITE #215 - INDIANAPOLIS TERMINAL
2500 NORTH TIBBS AVENUE
INDIANAPOLIS, MARION COUNTY, INDIANA

ETHYLBENZENE GROUNDWATER ANALYTICAL RESULTS MAP DECEMBER 2014

FIGURE: 6

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
182602296	AI/PB	KA	JM	01/26/15



W:\0-GIS\Indianapolis Terminal\MXD\December 2014\Figure 7 (NAPHTHALENE) (2015-01-13)11X17.mxd

Legend

- Monitoring Wells
- Monitoring Wells (Not Sampled)
- COC Contour

Note:

1) Groundwater samples collected between December 2 - 12, 2014
2) Concentrations presented in micrograms per liter (ug/l)
3) Screening levels 8.3 ug/L (IDEM Residential Default Closure Level, 2009) and 2000 ug/L (IDEM Industrial Default Closure Level, 2009)
4) J = The reported result is an estimated value by the laboratory

Stantec
8770 GUION ROAD, SUITE B
INDIANAPOLIS, INDIANA
PHONE: (317) 876-8375 FAX: (317) 876-8382

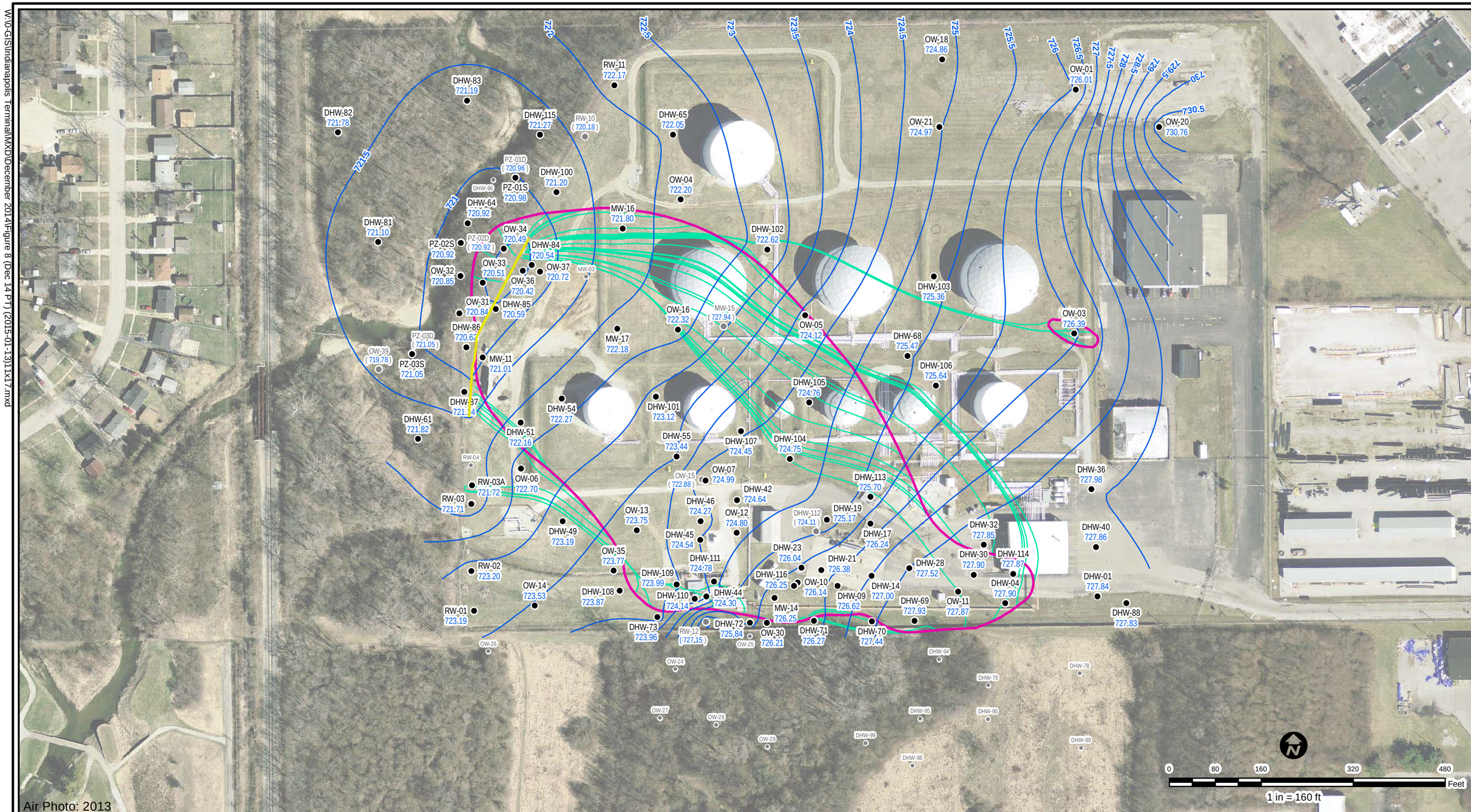
FOR:
BP PRODUCTS NORTH AMERICA, INC.
BP SITE #215 - INDIANAPOLIS TERMINAL
2500 NORTH TIBBS AVENUE
INDIANAPOLIS, MARION COUNTY, INDIANA

NAPHTHALENE GROUNDWATER ANALYTICAL RESULTS MAP DECEMBER 2014

FIGURE: 7

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
182602296	AI/PB	KA	JM	01/29/15

W:\0-GIS\Indianapolis Terminal\MXD\December 2014\Figure 8 (Dec 14 PT) (2015-01-13)11x17.mxd



Legend

- 723.04 Monitoring Well
- (723.04) Monitoring Well (Not used for contouring)
- Potentiometric Surface Contour
- Remediation Trench
- Target Map
- Particle Tracks

Note:
1) Contour interval = 0.5 foot

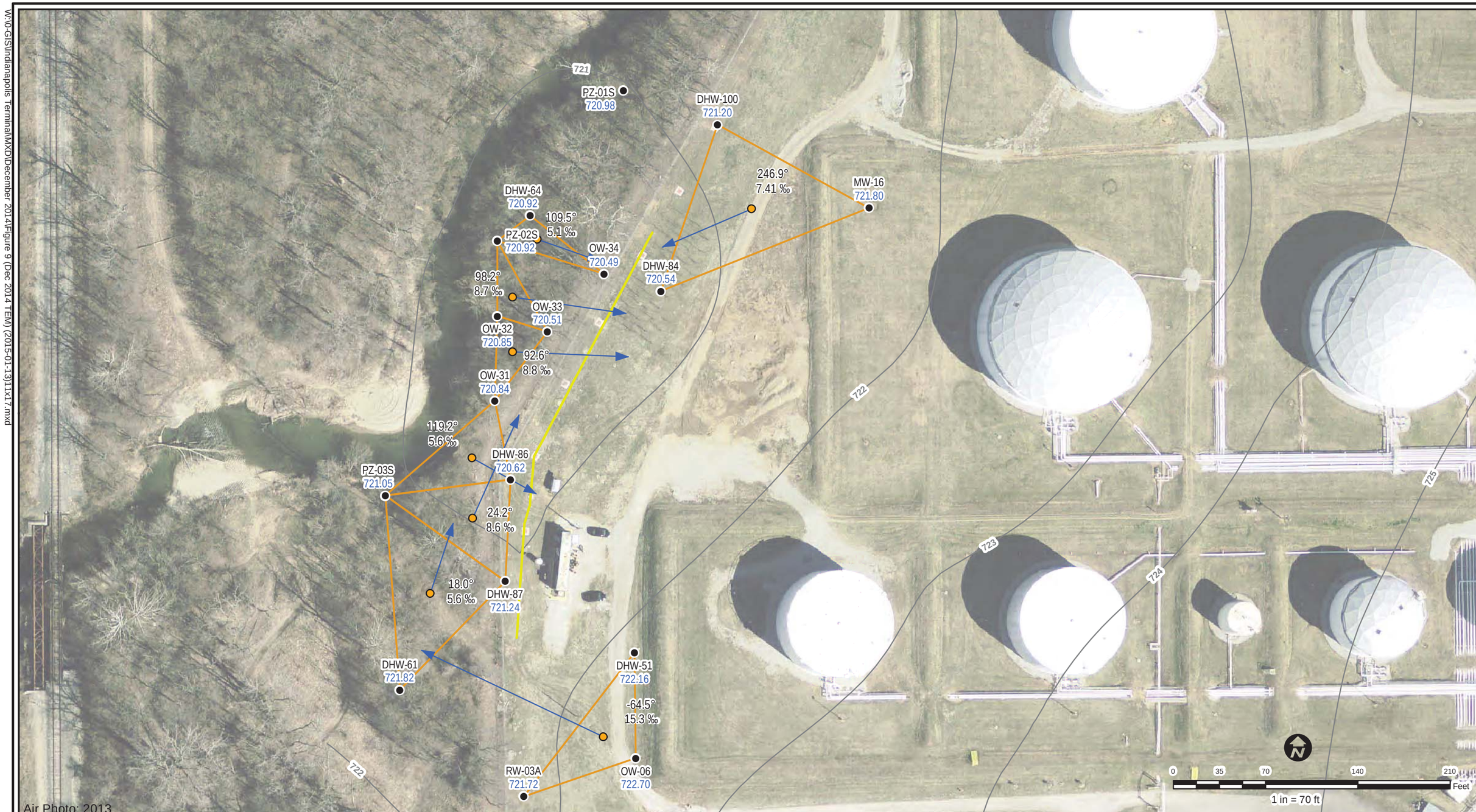
Stantec
8770 GUION ROAD, SUITE B
INDIANAPOLIS, INDIANA
PHONE: (317) 876-8375 FAX: (317) 876-8382

FOR:
BP PRODUCTS NORTH AMERICA, INC
BP SITE #215
2500 NORTH TIBBS AVENUE
INDIANAPOLIS, MARION COUNTY, IN

DECEMBER 2014
PARTICLE TRACKING MAP

FIGURE: 8

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
182612296	AI	AG	JM	02/06/15



Legend

- Monitoring Well
- Potentiometric Surface Contour
- Remediation Trench
- Target Map
- Triangular Element Direction

Note:

1) North is 0°, East Positive
2) Tracking Distance in ft/1000 ft
3) Contour interval = 1.0 foot

Stantec
8770 GUION ROAD, SUITE B
INDIANAPOLIS, INDIANA
PHONE: (317) 876-8375 FAX: (317) 876-8382

FOR:
BP PRODUCTS NORTH AMERICA, INC
BP SITE #215
2500 NORTH TIBBS AVENUE
INDIANAPOLIS, MARION COUNTY, IN

DECEMBER 2014
TRIANGULAR ELEMENT MAP

FIGURE: 9

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
182612296	AI	KA	JM	01/13/15

W:\0-GIS\Indianapolis Terminal\MXD\December 2014\Figure 9 (Dec 2014 TEM) (2015-01-13)11x17.mxd

TABLES

TABLE 1
SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Dec 17, 2014
BP Products North America Inc.
Site #215 - Indianapolis Terminal
2500 N. Tibbs Avenue
Indianapolis, Marion County, IN 46222
Stantec Project No.: 182612296

Sample Location				1A		1B	2A	2B	3A	3B	4B	5B	6B	Trip Blank
Sample Date				17-Dec-14	17-Dec-14	17-Dec-14	17-Dec-14	17-Dec-14	17-Dec-14	17-Dec-14	17-Dec-14	17-Dec-14	17-Dec-14	17-Dec-14
Sample ID				BPIT-LEC1A-121714	BPIT-DUP01-121714	BPIT-LEC1B-121714	BPIT-LEC2A-121714	BPIT-LEC2B-121714	BPIT-LEC3A-121714	BPIT-LEC3B-121714	BPIT-LEC4B-121714	BPIT-LEC5B-121714	BPIT-LEC6B-121714	BPIT-TRIP BLANK-121714
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			USEPA	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE
Laboratory Work Order			Region 5	50109364	50109364	50109364	50109364	50109364	50109364	50109364	50109364	50109364	50109364	50109364
Laboratory Sample ID			RCRA	50109364004	50109364010	50109364008	50109364002	50109364007	50109364009	50109364003	50109364005	50109364006	50109364001	50109364011
Sample Type	Units	SFAL	Ecological		Field Duplicate									Trip Blank
BTEX														
Benzene	µg/L	100^{A}	114_{f}^{B}	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene	µg/L	2000^{A}	253_{f}^{B}	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	µg/L	1000^{A}	14_{bz}^{B}	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Xylenes, Total	µg/L	40000^{A}	27_{dz}^{B}	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Polycyclic Aromatic Hydrocarbons														
Acenaphthene	µg/L	2100^{A}	38_{a}^{B}	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-
Acenaphthylene	µg/L	n/v	4840_{n}^{B}	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-
Anthracene	µg/L	11000^{A}	0.035_{a}^{B}	***<0.10***	***<0.10***	***<0.10***	***<0.10***	***<0.10***	***<0.10***	***<0.10***	***<0.10***	***<0.10***	***<0.10***	-
Benzo(a)anthracene	µg/L	0.1^{A}	0.025_{cz}^{B}	***<0.10***	***<0.10***	***<0.10***	***<0.10***	***<0.10***	***<0.10***	***<0.10***	***<0.10***	***<0.10***	***<0.10***	-
Benzo(a)pyrene	µg/L	0.2^{A}	0.014_{n}^{B}	***<0.10***	***<0.10***	***<0.10***	***<0.10***	***<0.10***	***<0.10***	***<0.10***	***<0.10***	***<0.10***	***<0.10***	-
Benzo(b)fluoranthene	µg/L	0.2^{A}	9.07_{b}^{B}	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-
Benzo(g,h,i)perylene	µg/L	n/v	7.64_{b}^{B}	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-
Benzo(k)fluoranthene	µg/L	0.2^{A}	n/v	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-
Chrysene	µg/L	0.2^{A}	n/v	***<0.50***	***<0.50***	***<0.51***	***<0.50***	***<0.50***	***<0.51***	***<0.50***	***<0.50***	***<0.50***	***<0.50***	-
Dibenzo(a,h)anthracene	µg/L	0.3^{A}	n/v	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-
Fluoranthene	µg/L	n/v	1.9_{fz}^{B}	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-
Fluorene	µg/L	1400^{A}	19_{d}^{B}	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-
Indeno(1,2,3-cd)pyrene	µg/L	0.4^{A}	4.31_{b}^{B}	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-
Naphthalene	µg/L	100^{A}	13_{az}^{B}	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-
Phenanthrene	µg/L	n/v	3.6_{f}^{B}	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-
Pyrene	µg/L	1100^{A}	0.3_{fz}^{B}	***<1.0***	***<1.0***	***<1.0***	***<1.0***	***<1.0***	***<1.0***	***<1.0***	***<1.0***	***<1.0***	***<1.0***	-

See notes on last page

TABLE 2
GROUNDWATER ELEVATION DATA
Dec 1 and 2, 2014
BP Products North America Inc.
Site #215 - Indianapolis Terminal
2500 N. Tibbs Avenue
Indianapolis, Marion County, IN 46222
Stantec Project No.: 182612296

Well ID	Sample Date	Top of Casing Elevation (feet)	Depth to Water (Feet)	GW Elevation (feet)	Depth to LNAPL	LNAPL Thickness (feet)	Measured Total Well Depth (from TOC)	Ground Elevation	Screen Elevation	
DHW-1	1-Dec-14	735.62	7.78	727.84	NA	NA	13.42	735.84	730.84	720.84
DHW-4	1-Dec-14	735.36	7.46	727.90	NA	NA	16.75	735.80	727.80	717.80
DHW-9	2-Dec-14	737.05	10.43	726.62	NA	NA	14.48	737.51	732.51	722.51
DHW-14	2-Dec-14	737.53	10.53	727.00	NA	NA	13.03	737.88	732.88	722.88
DHW-17	2-Dec-14	736.23	9.99	726.24	NA	NA	13.28	736.82	732.82	722.82
DHW-19	2-Dec-14	735.75	10.58	725.17	NA	NA	14.62	736.16	731.16	721.16
DHW-21	2-Dec-14	737.18	10.80	726.38	NA	NA	14.47	737.67	732.67	722.67
DHW-23	1-Dec-14	736.93	10.89	726.04	NA	NA	13.39	737.46	733.46	723.46
DHW-28	1-Dec-14	737.50	9.98	727.52	NA	NA	13.53	737.75	733.75	723.75
DHW-30	2-Dec-14	737.36	9.46	727.90	NA	NA	12.92	737.78	733.78	723.78
DHW-32	1-Dec-14	736.30	8.45	727.85	NA	NA	13.31	736.57	732.57	722.57
DHW-36	1-Dec-14	735.76	7.78	727.98	NA	NA	11.62	735.89	731.89	721.89
DHW-40	1-Dec-14	735.61	7.75	727.86	NA	NA	13.00	735.90	731.90	721.90
DHW-42	1-Dec-14	735.39	10.75	724.64	NA	NA	13.73	735.71	731.71	721.71
DHW-44	1-Dec-14	735.18	10.91	724.30	10.87	0.04	NA	735.58	730.58	720.58
DHW-45	1-Dec-14	734.93	10.39	724.54	NA	NA	13.46	735.32	731.32	721.32
DHW-46	1-Dec-14	735.07	10.80	724.27	NA	NA	13.62	735.42	731.42	721.42
DHW-49	1-Dec-14	732.37	9.18	723.19	NA	NA	14.55	732.66	727.66	717.66
DHW-51	1-Dec-14	732.18	10.02	722.16	NA	NA	15.12	732.40	726.40	716.40
DHW-54	1-Dec-14	738.76	16.49	722.27	NA	NA	18.03	735.70	730.70	720.70
DHW-55	1-Dec-14	738.91	15.47	723.44	NA	NA	17.77	736.03	731.03	721.03
DHW-61	1-Dec-14	730.26	8.44	721.82	NA	NA	11.56	730.65	728.65	718.65
DHW-64	1-Dec-14	727.51	6.59	720.92	NA	NA	8.90	727.80	725.80	715.80
DHW-65	1-Dec-14	738.30	16.25	722.05	NA	NA	17.67	735.78	730.78	720.78
DHW-68	1-Dec-14	743.01	17.54	725.47	NA	NA	20.90	740.02	732.02	722.02
DHW-69	1-Dec-14	733.15	5.22	727.93	NA	NA	15.15	730.28	728.28	718.28
DHW-70	1-Dec-14	732.14	4.70	727.44	NA	NA	15.20	728.86	726.86	716.86
DHW-71	1-Dec-14	731.37	5.10	726.27	NA	NA	15.11	728.44	726.44	716.44
DHW-72	1-Dec-14	731.84	6.00	725.84	NA	NA	15.10	728.71	726.71	716.71
DHW-73	1-Dec-14	734.55	10.59	723.96	NA	NA	15.19	731.59	729.59	719.59
DHW-78**	NM	NM	9.94	NM	NA	NA	12.75	NM	734.54	724.54
DHW-81	1-Dec-14	731.51	10.41	721.10	NA	NA	17.60	728.68	722.68	712.68
DHW-82	1-Dec-14	734.08	12.30	721.78	NA	NA	16.90	731.27	727.27	717.27
DHW-83	1-Dec-14	731.47	10.28	721.19	NA	NA	16.00	728.35	724.35	714.35
DHW-84	1-Dec-14	731.30	10.76	720.54	NA	NA	13.10	731.94	727.94	717.94
DHW-85	1-Dec-14	732.90	12.31	720.59	NA	NA	15.60	733.14	727.14	717.14
DHW-86	1-Dec-14	731.65	11.03	720.62	NA	NA	14.02	732.07	727.07	717.07
DHW-87	1-Dec-14	731.31	10.07	721.24	NA	NA	13.15	731.65	727.65	717.65
DHW-88	1-Dec-14	735.03	7.20	727.83	NA	NA	12.98	735.56	731.56	721.56
DHW-89**	NM	NM	8.62	NM	NA	NA	12.57	NM	733.31	723.31
DHW-100	1-Dec-14	731.59	10.39	721.20	NA	NA	14.71	732.01	726.01	716.01
DHW-101	1-Dec-14	738.35	15.23	723.12	NA	NA	18.36	735.58	729.58	719.58
DHW-102	1-Dec-14	740.94	18.32	722.62	NA	NA	22.90	737.65	727.65	717.65
DHW-103	1-Dec-14	739.94	14.58	725.36	NA	NA	18.35	737.09	731.09	721.09
DHW-104	1-Dec-14	739.35	14.60	724.75	NA	NA	21.29	736.55	726.55	716.55
DHW-105	1-Dec-14	738.70	13.94	724.76	NA	NA	18.23	735.98	729.98	719.98
DHW-106	1-Dec-14	739.65	14.01	725.64	NA	NA	20.16	736.72	728.72	718.72
DHW-107	1-Dec-14	739.25	14.80	724.45	NA	NA	19.67	736.59	726.59	716.59
DHW-108	1-Dec-14	735.10	11.23	723.87	NA	NA	20.03	735.59	725.59	715.59
DHW-109	1-Dec-14	734.30	10.31	723.99	NA	NA	14.83	734.68	729.68	719.68
DHW-110	1-Dec-14	734.85	10.71	724.14	NA	NA	14.30	735.71	730.71	720.71
DHW-111	1-Dec-14	735.43	10.65	724.78	NA	NA	14.66	735.67	730.67	720.67
DHW-112	2-Dec-14	735.70	11.77	724.11	11.53	0.24	11.77	737.02	731.02	721.02
DHW-113	2-Dec-14	736.55	10.85	725.70	NA	NA	17.48	736.79	726.79	716.79
DHW-114	2-Dec-14	737.93	10.06	727.87	NA	NA	13.25	738.13	732.13	722.13
DHW-115	1-Dec-14	731.81	10.54	721.27	NA	NA	15.00	732.03	726.03	716.03
DHW-116	1-Dec-14	735.91	9.66	726.25	NA	NA	14.89	736.11	731.11	721.11
MW-11	1-Dec-14	731.81	10.80	721.01	NA	NA	15.10	731.93	726.43	716.43
MW-14	1-Dec-14	734.96	8.71	726.25	NA	NA	13.60	735.45	727.95	717.95
MW-15	1-Dec-14	738.98	11.04	727.94	NA	NA	17.84	736.17	736.17	736.17
MW-16	1-Dec-14	738.94	17.14	721.80	NA	NA	20.42	735.58	735.58	735.58
MW-17	1-Dec-14	739.07	16.89	722.18	NA	NA	20.27	735.84	735.84	735.84
OW-1	1-Dec-14	740.51	14.50	726.01	NA	NA	20.45	738.24	729.19	719.19
OW-3	1-Dec-14	738.64	12.25	726.39	NA	NA	15.35	736.73	733.64	723.64
OW-4	1-Dec-14	738.56	16.36	722.20	NA	NA	17.35	736.25	731.42	721.42
OW-5	1-Dec-14	738.47	14.35	724.12	NA	NA	19.78	735.81	728.52	718.52
OW-6	1-Dec-14	734.92	12.22	722.70	NA	NA	15.45	732.70	729.44	719.44

TABLE 2
GROUNDWATER ELEVATION DATA
Dec 1 and 2, 2014
BP Products North America Inc.
Site #215 - Indianapolis Terminal
2500 N. Tibbs Avenue
Indianapolis, Marion County, IN 46222
Stantec Project No.: 182612296

Well ID	Sample Date	Top of Casing Elevation (feet)	Depth to Water (Feet)	GW Elevation (feet)	Depth to LNAPL	LNAPL Thickness (feet)	Measured Total Well Depth (from TOC)	Ground Elevation	Screen Elevation	
OW-7	1-Dec-14	737.31	12.32	724.99	NA	NA	18.30	736.35	730.65	720.65
OW-10	1-Dec-14	738.54	12.56	726.14	12.35	0.21	NA	736.46	733.25	723.25
OW-11	2-Dec-14	740.92	13.05	727.87	NA	NA	18.74	738.00	731.86	721.86
OW-12	1-Dec-14	735.34	10.54	724.80	NA	NA	12.90	735.51	735.51	735.51
OW-13	1-Dec-14	729.91	6.16	723.75	NA	NA	12.35	730.23	730.23	730.23
OW-14	1-Dec-14	731.78	8.25	723.53	NA	NA	13.89	732.10	724.60	719.60
OW-15	1-Dec-14	736.25	13.37	722.88	NA	NA	16.59	736.64	727.14	717.14
OW-16	1-Dec-14	739.96	17.64	722.32	NA	NA	21.85	736.25	726.25	716.25
OW-18	1-Dec-14	737.30	12.44	724.86	NA	NA	17.20	737.57	730.07	720.07
OW-20	1-Dec-14	737.54	6.78	730.76	NA	NA	14.60	737.90	732.90	722.90
OW-21	1-Dec-14	737.94	12.97	724.97	NA	NA	17.31	738.16	730.66	720.66
OW-26**		NM	10.15	NM	NA	NA	15.17	NM	727.67	717.67
OW-30	1-Dec-14	728.50	2.29	726.21	NA	NA	11.88	728.92	725.92	715.92
OW-31	1-Dec-14	734.38	13.54	720.84	NA	NA	15.81	730.81	728.21	718.21
OW-32	1-Dec-14	729.28	8.43	720.85	NA	NA	11.49	726.53	722.23	717.23
OW-33	1-Dec-14	735.60	15.09	720.51	NA	NA	16.98	731.81	727.81	717.81
OW-34	1-Dec-14	734.81	14.32	720.49	NA	NA	17.20	731.39	726.89	716.89
OW-35	1-Dec-14	732.24	8.47	723.77	NA	NA	15.31	729.77	726.77	716.77
OW-36	1-Dec-14	731.63	11.21	720.42	NA	NA	13.60	732.13	732.13	732.13
OW-37	1-Dec-14	732.49	11.77	720.72	NA	NA	13.30	732.68	732.68	732.68
OW-39	1-Dec-14	729.17	9.39	719.78	NA	NA	13.35	729.36	724.36	719.36
PZ01D	1-Dec-14	733.10	12.14	720.96	NA	NA	17.11	NA	NA	NA
PZ01S	1-Dec-14	733.02	12.04	720.98	NA	NA	13.10	NA	NA	NA
PZ02D	1-Dec-14	729.44	8.52	720.92	NA	NA	14.07	NA	NA	NA
PZ02S	1-Dec-14	729.33	8.41	720.92	NA	NA	9.94	NA	NA	NA
PZ03D	1-Dec-14	730.23	9.18	721.05	NA	NA	13.81	NA	NA	NA
PZ03S	1-Dec-14	730.14	9.09	721.05	NA	NA	10.02	NA	NA	NA
RW-1	1-Dec-14	732.24	9.05	723.19	NA	NA	14.26	732.46	722.46	719.96
RW-2	1-Dec-14	733.67	10.47	723.20	NA	NA	17.55	733.90	723.90	721.40
RW-3	1-Dec-14	728.62	6.91	721.71	NA	NA	12.03	730.42	720.42	717.92
RW-3A	1-Dec-14	730.44	8.72	721.72	NA	NA	12.42	731.26	731.26	731.26
RW-10	1-Dec-14	732.99	12.81	720.18	NA	NA	20.80	734.75	718.75	716.25
RW-11	1-Dec-14	733.14	10.97	722.17	NA	NA	13.62	734.40	718.90	716.40
RW-12	2-Dec-14	729.72	2.57	727.15	NA	NA	12.94	729.68	726.58	716.58

Notes:

NA = Not Applicable

Current Top of Casing data collected during March 2011 survey. Top of Casing and Groundwater Elevation data generated prior to March 2011 have been ch

No well construction logs available for OW-12, OW-13, MW-15, MW-16, and MW-17.

For wells OW-1, OW-3, OW-4, OW-5, OW-6, OW-7, OW-10, and OW-11 - The well construction diagrams did not identify screen depths relative to the ground surf

However, screen lengths were identified on these diagrams. The maximum total well depth measurements from the December 2004 and May 2005 sampling e

were presumed to be the bottom of the screen and the screen elevations displayed in this table were calculated based on measured total well depths.

In wells containing LNAPL, a specific gravity of 0.75 was used to correct the groundwater elevation for the weight and thickness of LNAPL using the formula,

GWE = TOC elevation - (DTW - (Product Thickness x 0.75))

**Wells are located south of site where a recent solar panel farm was constructed. Wells will be resurveyed.

TABLE 3
GROUNDWATER ANALYTICAL RESULTS - BTEX AND PAHs
December 2014
BP Products North America Inc.
Site #215 - Indianapolis Terminal
2500 N. Tibbs Avenue
Indianapolis, Marion County, IN 46222
Stantec Project No.: 182612296

Sample Location				DHW-4	DHW-9	DHW-14	DHW-17	DHW-19	DHW-23		DHW-28	DHW-30	DHW-32	DHW-42		DHW-45	DHW-46	DHW-49	DHW-51	DHW-54
Sample Date				10-Dec-14	10-Dec-14	11-Dec-14	11-Dec-14	11-Dec-14	11-Dec-14	11-Dec-14	12-Dec-14	10-Dec-14	10-Dec-14	5-Dec-14	5-Dec-14	5-Dec-14	5-Dec-14	5-Dec-14	3-Dec-14	10-Dec-14
Sample ID				BPIT-DHW04-121014	BPIT-DHW09-121014	BPIT-DHW14-121114	BPIT-DHW17-121114	BPIT-DHW19-121114	BPIT-DHW23-121114	BPIT-DUP05-121114	BPIT-DHW28-121214	BPIT-DHW30-121014	BPIT-DHW32-121014	BPIT-DHW42-120514	BPIT-DUP02-120514	BPIT-DHW45-120514	BPIT-DHW46-120514	BPIT-DHW49-120514	BPIT-DHW51-120314	BPIT-DHW54-121014
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE
Laboratory Work Order				50108787	50108787	50109029	50109029	50109029	50109029	50109029	50109029	50108787	50108787	50108459	50108459	50108459	50108459	50108459	50108189	50108787
Laboratory Sample ID				50108787022	50108787024	50109029001	50109029006	50109029004	50109029002	50109029007	50109029010	50108787021	50108787019	50108459015	50108459023	50108459017	50108459016	50108459018	50108189003	50108787011
Sample Type	Units	EPA	IDEM							Field Duplicate					Field Duplicate					
BTEX																				
Benzene	µg/L	5[A]	n/v	**19.4[A]**	**3000[A]**	**5450[A]**	**474[A]**	**2430[A]**	**7210[A]**	**8810[A]**	**4100[A]**	**530[A]**	<5.0	**8570[A]**	**10300[A]**	**1250[A]**	**3580[A]**	<5.0	**195[A]**	**167[A]**
Toluene	µg/L	1000[A]	n/v	<5.0	175	16.0 J	5.4	17.0	49.6	63.7	<25.0	15.2	<5.0	59.1	69.6	9.8	22.3	<5.0	2.5 J	10.4
Ethylbenzene	µg/L	700[A]	n/v	21.9	**1220[A]**	<25.0	4.9 J	23.1	169	199	<25.0	22.9	<5.0	48.6	57.3	10.0	16.2	<5.0	19.7	40.8
Xylene, m & p-	µg/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	10000[A]	n/v	52.8	4770	<50.0	<10.0	22.9	277	329	<50.0	33.1	<10.0	36.0 J	41.4 J	22.2	26.6	<10.0	30.0	28.1
Polycyclic Aromatic Hydrocarbons																				
Acenaphthene	µg/L	n/v	460[B] 6100[C]	1.1	2.0	<1.0	0.76 J	1.3	1.1	1.1	<1.0	1.8	<1.0	1.2	1.3	0.87 J	0.83 J	<1.0	1.3	1.2
Acenaphthylene	µg/L	n/v	71[B] 730[C]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Anthracene	µg/L	n/v	2300[B] 31000[C]	0.086 J	0.31	<0.10	0.065 J	0.13	0.12	0.14	0.080 J	0.13	<0.10	0.17	<0.10	0.057 J	0.064 J	<0.10	0.10	0.15
Benzo(a)anthracene	µg/L	n/v	1.2[B] 3.9[C]	<0.10	<0.10	0.072 J	<0.10	<0.10	<0.10	<0.10	0.32	<0.10	<0.10	<0.10	0.050 J	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(a)pyrene	µg/L	0.2[A]	0.39[C]	<0.10	<0.10	0.052 J	<0.10	<0.10	<0.10	<0.10	**0.47[AC]**	<0.10	<0.10	<0.10	0.051 J	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(b)fluoranthene	µg/L	n/v	1.2[B] 3.9[C]	<0.10	<0.10	0.086 J	<0.10	<0.10	<0.10	<0.10	0.72	<0.10	<0.10	<0.10	0.079 J	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(g,h,i)perylene	µg/L	n/v	0.26_{S1}[B] 0.26_{S1}[C]	<0.10	<0.10	0.068 J	<0.10	<0.10	<0.10	<0.10	**0.45[BC]**	<0.10	<0.10	<0.10	0.063 J	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(k)fluoranthene	µg/L	n/v	12[B] 39[C]	<0.10	<0.10	0.11	<0.10	<0.10	<0.10	<0.10	0.59	<0.10	<0.10	<0.10	0.067 J	<0.10	<0.10	<0.10	<0.10	<0.10
Chrysene	µg/L	n/v	120[B] 390[C]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.94	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibenzo(a,h)anthracene	µg/L	n/v	0.12[B] 0.39[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Fluoranthene	µg/L	n/v	1500[B] 4100[C]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluorene	µg/L	n/v	310[B] 4100[C]	2.3	2.0	<1.0	0.94 J	1.8	1.5	1.7	<1.0	2.7	<1.0	2.1	2.4	1.3	1.3	<1.0	1.6	1.6
Indeno(1,2,3-cd)pyrene	µg/L	n/v	1.2[B] 3.9[C]	<0.10	<0.10	0.056 J	<0.10	<0.10	<0.10	<0.10	0.40	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Naphthalene	µg/L	n/v	8.3[B] 2000[C]	2.9	**402[B]**	1.0	2.1	2.0	**42.5[B]**	**66.2[B]**	0.81 J	3.7	1.2	3.3	2.8	2.2	2.5	<1.0	4.8	7.1
Phenanthrene	µg/L	n/v	23[B] 310[C]	1.4	2.3	<1.0	1.0	1.4	1.3	1.4	<1.0	2.1	<1.0	2.0	2.5	0.78 J	0.65 J	<1.0	1.2	1.4
Pyrene	µg/L	n/v	1100[B] 3100[C]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE 3
GROUNDWATER ANALYTICAL RESULTS - BTEX AND PAHs
December 2014
BP Products North America Inc.
Site #215 - Indianapolis Terminal
2500 N. Tibbs Avenue
Indianapolis, Marion County, IN 46222
Stantec Project No.: 182612296

Sample Location				DHW-55	DHW-61	DHW-64	DHW-68	DHW-69	DHW-70	DHW-71	DHW-72	DHW-73	DHW-78	DHW-81	DHW-82	DHW-83	DHW-84	DHW-85		DHW-86
Sample Date				10-Dec-14	4-Dec-14	2-Dec-14	10-Dec-14	11-Dec-14	11-Dec-14	11-Dec-14	11-Dec-14	8-Dec-14	3-Dec-14	2-Dec-14	2-Dec-14	2-Dec-14	4-Dec-14	3-Dec-14	3-Dec-14	3-Dec-14
Sample ID				BPIT-DHW55-121014	BPIT-DHW61-120414	BPIT-DHW64-120214	BPIT-DHW68-121014	BPIT-DHW69-121114	BPIT-DHW70-121114	BPIT-DHW71-121114	BPIT-DHW72-121114	BPIT-DHW73-120814	BPIT-DHW78-120314	BPIT-DHW81-120214	BPIT-DHW82-120214	BPIT-DHW83-120214	BPIT-DHW84-120414	BPIT-DHW85-120314	BPIT-DUP01-120314	BPIT-DHW86-120314
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE
Laboratory Work Order				50108787	50108459	50108191	50108787	50109029	50109029	50109029	50109029	50108603	50108191	50108191	50108191	50108191	50108459	50108191	50108191	50108189
Laboratory Sample ID				50108787012	50108459003	50108191002	50108787018	50109029015	50109029018	50109029019	50109029017	50108603007	50108191006	50108191005	50108191004	50108191003	50108459010	50108191008	50108191009	50108189008
Sample Type	Units	EPA	IDEM																Field Duplicate	
BTEX																				
Benzene	µg/L	5[A]	n/v	**6770[A]**	<5.0	<5.0	<5.0	**850[A]**	<5.0	<5.0	<5.0	3.0 J	<5.0	<5.0	<5.0	<5.0	**608[A]**	**3280[A]**	**2820[A]**	<5.0
Toluene	µg/L	1000[A]	n/v	78.9	<5.0	9.0	<5.0	7.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	3.9 J	16.2	17.1	<5.0
Ethylbenzene	µg/L	700[A]	n/v	**1650[A]**	<5.0	<5.0	<5.0	63.8	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	22.0	397	350	<5.0
Xylene, m & p-	µg/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	10000[A]	n/v	254	<10.0	5.2 NJ	<10.0	153	<10.0	<10.0	<10.0	<10.0	8.0 J	<10.0	<10.0	<10.0	20.2	137	146	<10.0
Polycyclic Aromatic Hydrocarbons																				
Acenaphthene	µg/L	n/v	460[B] 6100[C]	2.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.99 J	1.0	<1.0
Acenaphthylene	µg/L	n/v	71[B] 730[C]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Anthracene	µg/L	n/v	2300[B] 31000[C]	0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.061 J	<0.10	<0.10
Benzo(a)anthracene	µg/L	n/v	1.2[B] 3.9[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(a)pyrene	µg/L	0.2[A]	0.39[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(b)fluoranthene	µg/L	n/v	1.2[B] 3.9[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(g,h,i)perylene	µg/L	n/v	0.26_{51}[B] 0.26_{51}[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(k)fluoranthene	µg/L	n/v	12[B] 39[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chrysene	µg/L	n/v	120[B] 390[C]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibenzo(a,h)anthracene	µg/L	n/v	0.12[B] 0.39[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Fluoranthene	µg/L	n/v	1500[B] 4100[C]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluorene	µg/L	n/v	310[B] 4100[C]	3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	1.0	<1.0
Indeno(1,2,3-cd)pyrene	µg/L	n/v	1.2[B] 3.9[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Naphthalene	µg/L	n/v	8.3[B] 2000[C]	**359[B]**	<1.0	<1.0	<1.0	7.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	**58.9[B]**	**61.2[B]**	<1.0
Phenanthrene	µg/L	n/v	23[B] 310[C]	2.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.63 J	0.63 J	<1.0
Pyrene	µg/L	n/v	1100[B] 3100[C]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE 3
GROUNDWATER ANALYTICAL RESULTS - BTEX AND PAHs
December 2014
BP Products North America Inc.
Site #215 - Indianapolis Terminal
2500 N. Tibbs Avenue
Indianapolis, Marion County, IN 46222
Stantec Project No.: 182612296

Sample Location				DHW-87	DHW-101	DHW-102	DHW-103	DHW-104		DHW-105	DHW-106	DHW-107	DHW-108	DHW-109	DHW-111	DHW-113	DHW-114	DHW-115	DHW-116	
Sample Date				3-Dec-14	9-Dec-14	9-Dec-14	10-Dec-14	10-Dec-14	10-Dec-14	9-Dec-14	9-Dec-14	10-Dec-14	8-Dec-14	8-Dec-14	8-Dec-14	12-Dec-14	11-Dec-14	2-Dec-14	11-Dec-14	11-Dec-14
Sample ID				BPIT-DHW87-120314	BPIT-DHW101-120914	BPIT-DHW102-120914	BPIT-DHW103-121014	BPIT-DHW104-121014	BPIT-DUP04-121014	BPIT-DHW105-120914	BPIT-DHW106-120914	BPIT-DHW107-121014	BPIT-DHW108-120814	BPIT-DHW109-120814	BPIT-DHW111-120814	BPIT-DHW113-121214	BPIT-DHW114-121114	BPIT-DHW115-120214	BPIT-DHW116-121114	BPIT-DUP06-121114
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE
Laboratory Work Order				50108189	50108787	50108787	50108787	50108787	50108787	50108787	50108787	50108787	50108603	50108603	50108603	50109029	50109029	50108191	50109029	50109029
Laboratory Sample ID				50108189006	50108787005	50108787008	50108787017	50108787015	50108787016	50108787010	50108787007	50108787014	50108603006	50108603004	50108603003	50109029011	50109029014	50108191001	50109029003	50109029008
Sample Type	Units	EPA	IDEM						Field Duplicate											Field Duplicate
BTEX																				
Benzene	µg/L	5[A]	n/v	<5.0	**2210[A]**	<5.0	<5.0	**9180[A]**	**9270[A]**	**3120[A]**	<5.0	**6380[A]**	1.9 J	**769[A]**	**9900[A]**	**1370[A]**	**32.9[A]**	<5.0	**13300[A]**	**14700[A]**
Toluene	µg/L	1000[A]	n/v	<5.0	11.4	<5.0	<5.0	85.7	82.0	76.9	<5.0	72.0	<5.0	4.5 NJ	58.0	76.0	<5.0	<5.0	67.6	86.7
Ethylbenzene	µg/L	700[A]	n/v	<5.0	**945[A]**	<5.0	<5.0	**1330[A]**	**1250[A]**	77.6	<5.0	**1030[A]**	<5.0	3.4 NJ	282	356	<5.0	<5.0	149	176
Xylene, m & p-	µg/L	n/v	n/v	-	-	-	-	-	-	279	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	10000[A]	n/v	<10.0	57.5	<10.0	<10.0	441	422	296	<10.0	234	<10.0	<10.0	261	545	<10.0	<10.0	123	176
Polycyclic Aromatic Hydrocarbons																				
Acenaphthene	µg/L	n/v	460[B] 6100[C]	<1.0	1.5	<1.0	<1.0	2.3	2.0	1.7	<1.0	0.53 J	<1.0	<1.0	1.0	1.3	0.87 J	<1.0	0.89 J	1.6
Acenaphthylene	µg/L	n/v	71[B] 730[C]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Anthracene	µg/L	n/v	2300[B] 31000[C]	<0.10	0.13	<0.10	<0.10	0.18	<0.10	0.20	<0.10	<0.10	<0.10	<0.10	0.12	0.13	<0.10	<0.10	0.14	0.39
Benzo(a)anthracene	µg/L	n/v	1.2[B] 3.9[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.081 J	0.31
Benzo(a)pyrene	µg/L	0.2[A]	0.39[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	**0.22[A]**
Benzo(b)fluoranthene	µg/L	n/v	1.2[B] 3.9[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.065 J	0.27
Benzo(g,h,i)perylene	µg/L	n/v	0.26_{S1}[B] 0.26_{S1}[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.15
Benzo(k)fluoranthene	µg/L	n/v	12[B] 39[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.21
Chrysene	µg/L	n/v	120[B] 390[C]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.41 J
Dibenzo(a,h)anthracene	µg/L	n/v	0.12[B] 0.39[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Fluoranthene	µg/L	n/v	1500[B] 4100[C]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.84 J
Fluorene	µg/L	n/v	310[B] 4100[C]	<1.0	1.9	<1.0	<1.0	2.7	2.4	2.3	<1.0	0.60 J	<1.0	<1.0	2.1	1.7	1.7	<1.0	1.6	3.2
Indeno(1,2,3-cd)pyrene	µg/L	n/v	1.2[B] 3.9[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.15
Naphthalene	µg/L	n/v	8.3[B] 2000[C]	<1.0	**284[B]**	<1.0	<1.0	**206[B]**	**182[B]**	2.3	<1.0	**156[B]**	<1.0	<1.0	**21.8[B]**	**77.8[B]**	1.4	<1.0	**15.7[B]**	**27.6[B]**
Phenanthrene	µg/L	n/v	23[B] 310[C]	<1.0	1.7	<1.0	<1.0	2.0	1.8	2.2	<1.0	<1.0	<1.0	<1.0	1.4	1.7	0.91 J	<1.0	1.3	3.2
Pyrene	µg/L	n/v	1100[B] 3100[C]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.1

TABLE 3
GROUNDWATER ANALYTICAL RESULTS - BTEX AND PAHs
December 2014
BP Products North America Inc.
Site #215 - Indianapolis Terminal
2500 N. Tibbs Avenue
Indianapolis, Marion County, IN 46222
Stantec Project No.: 182612296

Sample Location				MW-11	MW-14		MW-15	MW-16	MW-17		OW-3	OW-4	OW-5	OW-6	OW-7	OW-11	OW-12	OW-13	OW-14	OW-15
Sample Date				4-Dec-14	11-Dec-14	11-Dec-14	9-Dec-14	9-Dec-14	9-Dec-14	9-Dec-14	10-Dec-14	9-Dec-14	9-Dec-14	3-Dec-14	5-Dec-14	10-Dec-14	5-Dec-14	5-Dec-14	4-Dec-14	8-Dec-14
Sample ID				BPIT-MW11-120414	BPIT-MW14-121114	BPIT-DUP07-121114	BPIT-MW15-120914	BPIT-MW16-120914	BPIT-MW17-120914	BPIT-DUP03-120914	BPIT-OW03-121014	BPIT-OW04-120914	BPIT-OW05-120914	BPIT-OW06-120314	BPIT-OW07-120514	BPIT-OW11-121014	BPIT-OW12-120514	BPIT-OW13-120514	BPIT-OW14-120414	BPIT-OW15-120814
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE
Laboratory Work Order				50108459	50109029	50109029	50108787	50108787	50108787	50108787	50108787	50108787	50108787	50108189	50108459	50108787	50108459	50108459	50108459	50108603
Laboratory Sample ID				50108459009	50109029005	50109029009	50108787009	50108787002	50108787003	50108787004	50108787020	50108787001	50108787006	50108189004	50108459014	50108787023	50108459011	50108459013	50108459004	50108603005
Sample Type	Units	EPA	IDEM			Field Duplicate				Field Duplicate										
BTEX																				
Benzene	µg/L	5[A]	n/v	**237[A]**	**4450[A]**	**4530[A]**	**835[A]**	**286[A]**	**2490[A]**	**3070[A]**	**6.4[A]**	<5.0	**5.2[A]**	<5.0	**5790[A]**	**296[A]**	**4510[A]**	**492[A]**	<5.0	**6300[A]**
Toluene	µg/L	1000[A]	n/v	<5.0	47.7 J	49.4	110	<50.0	44.7	40.1	<5.0	<5.0	<5.0	<5.0	28.2	19.7	18.4 NJ	8.0	<5.0	56.9
Ethylbenzene	µg/L	700[A]	n/v	4.6 J	118	120	356	<50.0	133	134	6.2	<5.0	<5.0	<5.0	39.4	26.3	21.0 NJ	<5.0	<5.0	76.7
Xylene, m & p-	µg/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	10000[A]	n/v	12.5	287	291	1920	<100	306	282	20.9	<10.0	<10.0	<10.0	31.2 J	27.9	<50.0	13.5	<10.0	95.9
Polycyclic Aromatic Hydrocarbons																				
Acenaphthene	µg/L	n/v	460[B] 6100[C]	<1.0	1.2	1.3	1.1	0.53 J	0.82 J	0.78 J	<1.0	<1.0	0.74 J	0.67 J	<1.0	1.1	0.83 NJ	<1.0	<1.0	1.5
Acenaphthylene	µg/L	n/v	71[B] 730[C]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Anthracene	µg/L	n/v	2300[B] 31000[C]	<0.10	0.12	0.12	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	<0.10	<0.10	<0.10	0.11
Benzo(a)anthracene	µg/L	n/v	1.2[B] 3.9[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(a)pyrene	µg/L	0.2[A]	0.39[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(b)fluoranthene	µg/L	n/v	1.2[B] 3.9[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(g,h,i)perylene	µg/L	n/v	0.26_{S1}[B] 0.26_{S1}[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(k)fluoranthene	µg/L	n/v	12[B] 39[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chrysene	µg/L	n/v	120[B] 390[C]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibenzo(a,h)anthracene	µg/L	n/v	0.12[B] 0.39[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Fluoranthene	µg/L	n/v	1500[B] 4100[C]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluorene	µg/L	n/v	310[B] 4100[C]	<1.0	1.5	1.8	1.6	0.59 J	0.69 J	0.62 J	<1.0	<1.0	0.82 J	0.65 J	<1.0	1.3	0.95 NJ	<1.0	<1.0	1.9
Indeno(1,2,3-cd)pyrene	µg/L	n/v	1.2[B] 3.9[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Naphthalene	µg/L	n/v	8.3[B] 2000[C]	0.56 J	**39.0[B]**	**33.9[B]**	**312[B]**	1.4	**12.8[B]**	**11.4[B]**	2.4	<1.0	0.88 J	1.3	0.94 J	7.7	1.4	0.83 J	<1.0	2.9
Phenanthrene	µg/L	n/v	23[B] 310[C]	<1.0	0.53 J	0.63 J	0.59 J	0.55 J	<1.0	<1.0	<1.0	<1.0	0.58 J	<1.0	<1.0	0.64 J	0.71 NJ	<1.0	<1.0	1.4
Pyrene	µg/L	n/v	1100[B] 3100[C]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE 3
GROUNDWATER ANALYTICAL RESULTS - BTEX AND PAHs
December 2014
BP Products North America Inc.
Site #215 - Indianapolis Terminal
2500 N. Tibbs Avenue
Indianapolis, Marion County, IN 46222
Stantec Project No.: 182612296

Sample Location				OW-16	OW-26	OW-30	OW-31	OW-32	OW-33	OW-34	OW-35	OW-36	OW-37	OW-39	PZ03D	RW-3A
Sample Date				10-Dec-14	3-Dec-14	11-Dec-14	4-Dec-14	2-Dec-14	2-Dec-14	4-Dec-14	5-Dec-14	3-Dec-14	4-Dec-14	4-Dec-14	4-Dec-14	3-Dec-14
Sample ID				BPIT-OW16-121014	BPIT-OW26-120314	BPIT-OW30-121114	BPIT-OW31-120414	BPIT-OW32-120214	BPIT-OW33-120214	BPIT-OW34-120414	BPIT-OW35-120514	BPIT-OW36-120314	BPIT-OW37-120414	BPIT-OW39-120414	BPIT-PZ3D-120414	BPIT-RW03A-120314
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE
Laboratory Work Order				50108787	50108191	50109029	50108459	50108189	50108189	50108459	50108459	50108189	50108459	50108459	50108459	50108189
Laboratory Sample ID				50108787013	50108191007	50109029016	50108459006	50108189001	50108189002	50108459005	50108459012	50108189007	50108459008	50108459002	50108459007	50108189005
Sample Type	Units	EPA	IDEM													
BTEX																
Benzene	µg/L	5[A]	n/v	**5560[A]**	<5.0	<5.0	<5.0	2.1 J	**43.2[A]**	**40.7[A]**	<5.0	**2220[A]**	**962[A]**	<5.0	<5.0	<5.0
Toluene	µg/L	1000[A]	n/v	84.3	<5.0	<5.0	<5.0	<5.0	<5.0	9.2	<5.0	23.4	9.1	<5.0	<5.0	<5.0
Ethylbenzene	µg/L	700[A]	n/v	**1100[A]**	<5.0	<5.0	<5.0	<5.0	14.3	6.7	<5.0	65.4	41.7	<5.0	<5.0	<5.0
Xylene, m & p-	µg/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	10000[A]	n/v	647	<10.0	<10.0	<10.0	<10.0	20.4	17.7	<10.0	111	44.8	<10.0	<10.0	<10.0
Polycyclic Aromatic Hydrocarbons																
Acenaphthene	µg/L	n/v	460[B] 6100[C]	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	0.71 J	<1.0	1.1	<1.0	<1.0	<1.0	<1.0
Acenaphthylene	µg/L	n/v	71[B] 730[C]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Anthracene	µg/L	n/v	2300[B] 31000[C]	0.097 J	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(a)anthracene	µg/L	n/v	1.2[B] 3.9[C]	<0.10	<0.10	<0.10	<0.10	0.055 J	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(a)pyrene	µg/L	0.2[A]	0.39[C]	<0.10	<0.10	<0.10	<0.10	0.077 J	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(b)fluoranthene	µg/L	n/v	1.2[B] 3.9[C]	<0.10	<0.10	<0.10	<0.10	0.12	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(g,h,i)perylene	µg/L	n/v	0.26_{51}[B] 0.26_{51}[C]	<0.10	<0.10	<0.10	<0.10	0.089 J	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(k)fluoranthene	µg/L	n/v	12[B] 39[C]	<0.10	<0.10	<0.10	<0.10	0.11	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chrysene	µg/L	n/v	120[B] 390[C]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibenzo(a,h)anthracene	µg/L	n/v	0.12[B] 0.39[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Fluoranthene	µg/L	n/v	1500[B] 4100[C]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluorene	µg/L	n/v	310[B] 4100[C]	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	0.67 J	<1.0	1.3	<1.0	<1.0	<1.0	<1.0
Indeno(1,2,3-cd)pyrene	µg/L	n/v	1.2[B] 3.9[C]	<0.10	<0.10	<0.10	<0.10	0.068 J	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Naphthalene	µg/L	n/v	8.3[B] 2000[C]	**145[B]**	<1.0	<1.0	<1.0	<1.0	1.1	1.5	<1.0	4.7	2.3	<1.0	<1.0	<1.0
Phenanthrene	µg/L	n/v	23[B] 310[C]	0.72 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.72 J	<1.0	<1.0	<1.0	<1.0
Pyrene	µg/L	n/v	1100[B] 3100[C]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE 3
GROUNDWATER ANALYTICAL RESULTS - BTEX AND PAHs
December 2014
BP Products North America Inc.
Site #215 - Indianapolis Terminal
2500 N. Tibbs Avenue
Indianapolis, Marion County, IN 46222
Stantec Project No.: 182612296

Sample Location				Equipment Blank															
Sample Date				2-Dec-14	2-Dec-14	3-Dec-14	3-Dec-14	4-Dec-14	4-Dec-14	5-Dec-14	5-Dec-14	8-Dec-14	8-Dec-14	9-Dec-14	9-Dec-14	10-Dec-14	10-Dec-14	11-Dec-14	11-Dec-14
Sample ID				BPIT-EB01-120214	BPIT-EB02-120214	BPIT-EB03-120314	BPIT-EB04-120314	BPIT-EB05-120414	BPIT-EB06-120414	BPIT-EB07-120514	BPIT-EB08-120514	BPIT-EB09-120814	BPIT-EB10-120814	BPIT-EB11-120914	BPIT-EB12-120914	BPIT-EB13-121014	BPIT-EB14-121014	BPIT-EB15-121114	BPIT-EB16-121114
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE	PACE
Laboratory Work Order				50108191	50108191	50108191	50108191	50108459	50108459	50108459	50108459	50108603	50108603	50108787	50108787	50108787	50108787	50109029	50109029
Laboratory Sample ID				50108191010	50108191011	50108191012	50108191013	50108459019	50108459020	50108459021	50108459022	50108603001	50108603002	50108787029	50108787030	50108787025	50108787026	50109029012	50109029013
Sample Type	Units	EPA	IDEM	Equipment Blank	Equipment Blank	Equipment Blank	Equipment Blank	Equipment Blank	Equipment Blank	Equipment Blank	Equipment Blank	Equipment Blank	Equipment Blank	Equipment Blank	Equipment Blank	Equipment Blank	Equipment Blank	Equipment Blank	Equipment Blank
BTEX																			
Benzene	µg/L	5[A]	n/v	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene	µg/L	1000[A]	n/v	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Ethylbenzene	µg/L	700[A]	n/v	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Xylene, m & p-	µg/L	n/v	n/v	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	µg/L	10000[A]	n/v	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Polycyclic Aromatic Hydrocarbons																			
Acenaphthene	µg/L	n/v	460[B] 6100[C]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acenaphthylene	µg/L	n/v	71[B] 730[C]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Anthracene	µg/L	n/v	2300[B] 31000[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(a)anthracene	µg/L	n/v	1.2[B] 3.9[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(a)pyrene	µg/L	0.2[A]	0.39[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(b)fluoranthene	µg/L	n/v	1.2[B] 3.9[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(g,h,i)perylene	µg/L	n/v	0.26_{51}[B] 0.26_{51}[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Benzo(k)fluoranthene	µg/L	n/v	12[B] 39[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chrysene	µg/L	n/v	120[B] 390[C]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibenzo(a,h)anthracene	µg/L	n/v	0.12[B] 0.39[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Fluoranthene	µg/L	n/v	1500[B] 4100[C]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluorene	µg/L	n/v	310[B] 4100[C]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Indeno(1,2,3-cd)pyrene	µg/L	n/v	1.2[B] 3.9[C]	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Naphthalene	µg/L	n/v	8.3[B] 2000[C]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Phenanthrene	µg/L	n/v	23[B] 310[C]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Pyrene	µg/L	n/v	1100[B] 3100[C]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE 3
GROUNDWATER ANALYTICAL RESULTS - BTEX AND PAHs
December 2014
BP Products North America Inc.
Site #215 - Indianapolis Terminal
2500 N. Tibbs Avenue
Indianapolis, Marion County, IN 46222
Stantec Project No.: 182612296

Sample Location				Trip Blank					
Sample Date				3-Dec-14	4-Dec-14	8-Dec-14	9-Dec-14	10-Dec-14	11-Dec-14
Sample ID				BPIT-TRIPBLANK01-120214	BPIT-TRIPBLANK02-120414	BPIT-TRIPBLANK03-120814	BPIT-TRIPBLANK4-120914	BPIT-TRIPBLANK5-121014	BPIT-TRIPBLANK6-121114
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				PACE	PACE	PACE	PACE	PACE	PACE
Laboratory Work Order				50108191	50108459	50108603	50108787	50108787	50109029
Laboratory Sample ID				50108191014	50108459001	50108603008	50108787027	50108787028	50109029020
Sample Type	Units	EPA	IDEM	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
BTEX									
Benzene	µg/L	5[A]	n/v	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene	µg/L	1000[A]	n/v	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Ethylbenzene	µg/L	700[A]	n/v	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Xylene, m & p-	µg/L	n/v	n/v	-	-	-	-	-	-
Xylenes, Total	µg/L	10000[A]	n/v	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Polycyclic Aromatic Hydrocarbons									
Acenaphthene	µg/L	n/v	460[B] 6100[C]	-	-	-	-	-	-
Acenaphthylene	µg/L	n/v	71[B] 730[C]	-	-	-	-	-	-
Anthracene	µg/L	n/v	2300[B] 31000[C]	-	-	-	-	-	-
Benzo(a)anthracene	µg/L	n/v	1.2[B] 3.9[C]	-	-	-	-	-	-
Benzo(a)pyrene	µg/L	0.2[A]	0.39[C]	-	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	n/v	1.2[B] 3.9[C]	-	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	n/v	0.26_{51}[B] 0.26_{51}[C]	-	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	n/v	12[B] 39[C]	-	-	-	-	-	-
Chrysene	µg/L	n/v	120[B] 390[C]	-	-	-	-	-	-
Dibenzo(a,h)anthracene	µg/L	n/v	0.12[B] 0.39[C]	-	-	-	-	-	-
Fluoranthene	µg/L	n/v	1500[B] 4100[C]	-	-	-	-	-	-
Fluorene	µg/L	n/v	310[B] 4100[C]	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	n/v	1.2[B] 3.9[C]	-	-	-	-	-	-
Naphthalene	µg/L	n/v	8.3[B] 2000[C]	-	-	-	-	-	-
Phenanthrene	µg/L	n/v	23[B] 310[C]	-	-	-	-	-	-
Pyrene	µg/L	n/v	1100[B] 3100[C]	-	-	-	-	-	-

Appendix A Surface Water Analytical Report

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

December 31, 2014

Mr. Kyle Amberger
Stantec
8770 Guion Rd
Suite B
Indianapolis, IN 46268

RE: Project: Indianapolis Terminal BP#215
Pace Project No.: 50109364

Dear Mr. Amberger:
Enclosed are the analytical results for sample(s) received by the laboratory on December 17, 2014. 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.

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

Sincerely,

Tina Sayer

Tina Sayer
tina.sayer@pacelabs.com
Project Manager

Enclosures

cc: Mr. Ryan Julien, Stantec

CERTIFICATIONS

Project:	Indianapolis Terminal BP#215
Pace Project No.:	50109364

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky UST Certification #: 0042
Louisiana/NELAP Certification #: 04076
Ohio VAP Certification #: CL-0065
West Virginia Certification #: 330

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Indianapolis Terminal BP#215
Pace Project No.: 50109364

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50109364001	**BPIT-LEC6B-121714**	Water	12/17/14 10:36	12/17/14 14:04
50109364002	**BPIT-LEC2A-121714**	Water	12/17/14 10:47	12/17/14 14:04
50109364003	**BPIT-LEC3B-121714**	Water	12/17/14 10:55	12/17/14 14:04
50109364004	**BPIT-LEC1A-121714**	Water	12/17/14 11:10	12/17/14 14:04
50109364005	**BPIT-LEC4B-121714**	Water	12/17/14 11:20	12/17/14 14:04
50109364006	**BPIT-LEC5B-121714**	Water	12/17/14 11:34	12/17/14 14:04
50109364007	**BPIT-LEC2B-121714**	Water	12/17/14 11:43	12/17/14 14:04
50109364008	**BPIT-LEC1B-121714**	Water	12/17/14 11:50	12/17/14 14:04
50109364009	**BPIT-LEC3A-121714**	Water	12/17/14 11:53	12/17/14 14:04
50109364010	**BPIT-DUP01-121714**	Water	12/17/14 08:00	12/17/14 14:04
50109364011	**BPIT-TRIP BLANK-121714**	Water	12/17/14 08:00	12/17/14 14:04

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Indianapolis Terminal BP#215
Pace Project No.: 50109364

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50109364001	**BPIT-LEC6B-121714**	EPA 8270 by SIM LVE	CEM	18
		EPA 524.2	DAE	7
50109364002	**BPIT-LEC2A-121714**	EPA 8270 by SIM LVE	CEM	18
		EPA 524.2	DAE	7
50109364003	**BPIT-LEC3B-121714**	EPA 8270 by SIM LVE	CEM	18
		EPA 524.2	DAE	7
50109364004	**BPIT-LEC1A-121714**	EPA 8270 by SIM LVE	CEM	18
		EPA 524.2	DAE	7
50109364005	**BPIT-LEC4B-121714**	EPA 8270 by SIM LVE	CEM	18
		EPA 524.2	DAE	7
50109364006	**BPIT-LEC5B-121714**	EPA 8270 by SIM LVE	CEM	18
		EPA 524.2	DAE	7
50109364007	**BPIT-LEC2B-121714**	EPA 8270 by SIM LVE	CEM	18
		EPA 524.2	DAE	7
50109364008	**BPIT-LEC1B-121714**	EPA 8270 by SIM LVE	CEM	18
		EPA 524.2	DAE	7
50109364009	**BPIT-LEC3A-121714**	EPA 8270 by SIM LVE	CEM	18
		EPA 524.2	DAE	7
50109364010	**BPIT-DUP01-121714**	EPA 8270 by SIM LVE	CEM	18
		EPA 524.2	DAE	7
50109364011	**BPIT-TRIP BLANK-121714**	EPA 524.2	DAE	7

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50109364

Sample: BPIT-LEC6B-121714 **Lab ID: 50109364001** Collected: 12/17/14 10:36 Received: 12/17/14 14:04 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 04:16	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 04:16	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 04:16	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 04:16	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 04:16	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 04:16	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 04:16	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 04:16	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/18/14 12:40	12/20/14 04:16	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 04:16	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 04:16	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 04:16	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 04:16	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 04:16	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 04:16	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 04:16	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	64	%.	21-114	1	12/18/14 12:40	12/20/14 04:16	321-60-8	
p-Terphenyl-d14 (S)	72	%.	25-131	1	12/18/14 12:40	12/20/14 04:16	1718-51-0	
524.2 MSV	Analytical Method: EPA 524.2							
Benzene	ND	ug/L	0.50	1		12/29/14 13:30	71-43-2	N2
Ethylbenzene	ND	ug/L	0.50	1		12/29/14 13:30	100-41-4	N2
Toluene	ND	ug/L	1.0	1		12/29/14 13:30	108-88-3	N2
Xylene (Total)	ND	ug/L	1.5	1		12/29/14 13:30	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	98	%.	70-130	1		12/29/14 13:30	460-00-4	
Dibromofluoromethane (S)	108	%.	70-130	1		12/29/14 13:30	1868-53-7	
Toluene-d8 (S)	94	%.	70-130	1		12/29/14 13:30	2037-26-5	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50109364

Sample: BPIT-LEC2A-121714 **Lab ID: 50109364002** Collected: 12/17/14 10:47 Received: 12/17/14 14:04 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 04:34	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 04:34	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 04:34	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 04:34	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 04:34	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 04:34	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 04:34	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 04:34	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/18/14 12:40	12/20/14 04:34	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 04:34	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 04:34	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 04:34	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 04:34	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 04:34	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 04:34	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 04:34	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	76	%.	21-114	1	12/18/14 12:40	12/20/14 04:34	321-60-8	
p-Terphenyl-d14 (S)	75	%.	25-131	1	12/18/14 12:40	12/20/14 04:34	1718-51-0	
524.2 MSV	Analytical Method: EPA 524.2							
Benzene	ND	ug/L	0.50	1		12/29/14 14:02	71-43-2	N2
Ethylbenzene	ND	ug/L	0.50	1		12/29/14 14:02	100-41-4	N2
Toluene	ND	ug/L	1.0	1		12/29/14 14:02	108-88-3	N2
Xylene (Total)	ND	ug/L	1.5	1		12/29/14 14:02	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	97	%.	70-130	1		12/29/14 14:02	460-00-4	
Dibromofluoromethane (S)	108	%.	70-130	1		12/29/14 14:02	1868-53-7	
Toluene-d8 (S)	93	%.	70-130	1		12/29/14 14:02	2037-26-5	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50109364

Sample: BPIT-LEC3B-121714 **Lab ID: 50109364003** Collected: 12/17/14 10:55 Received: 12/17/14 14:04 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 04:51	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 04:51	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 04:51	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 04:51	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 04:51	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 04:51	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 04:51	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 04:51	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/18/14 12:40	12/20/14 04:51	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 04:51	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 04:51	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 04:51	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 04:51	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 04:51	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 04:51	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 04:51	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	67	%.	21-114	1	12/18/14 12:40	12/20/14 04:51	321-60-8	
p-Terphenyl-d14 (S)	82	%.	25-131	1	12/18/14 12:40	12/20/14 04:51	1718-51-0	
524.2 MSV	Analytical Method: EPA 524.2							
Benzene	ND	ug/L	0.50	1		12/29/14 14:34	71-43-2	N2
Ethylbenzene	ND	ug/L	0.50	1		12/29/14 14:34	100-41-4	N2
Toluene	ND	ug/L	1.0	1		12/29/14 14:34	108-88-3	N2
Xylene (Total)	ND	ug/L	1.5	1		12/29/14 14:34	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	99	%.	70-130	1		12/29/14 14:34	460-00-4	
Dibromofluoromethane (S)	109	%.	70-130	1		12/29/14 14:34	1868-53-7	
Toluene-d8 (S)	94	%.	70-130	1		12/29/14 14:34	2037-26-5	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50109364

Sample: BPIT-LEC1A-121714 **Lab ID: 50109364004** Collected: 12/17/14 11:10 Received: 12/17/14 14:04 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 05:09	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 05:09	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 05:09	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 05:09	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 05:09	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 05:09	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 05:09	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 05:09	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/18/14 12:40	12/20/14 05:09	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 05:09	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 05:09	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 05:09	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/18/14 12:40	12/20/14 05:09	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 05:09	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 05:09	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/18/14 12:40	12/20/14 05:09	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	71	%.	21-114	1	12/18/14 12:40	12/20/14 05:09	321-60-8	
p-Terphenyl-d14 (S)	89	%.	25-131	1	12/18/14 12:40	12/20/14 05:09	1718-51-0	
524.2 MSV	Analytical Method: EPA 524.2							
Benzene	ND	ug/L	0.50	1		12/29/14 15:07	71-43-2	N2
Ethylbenzene	ND	ug/L	0.50	1		12/29/14 15:07	100-41-4	N2
Toluene	ND	ug/L	1.0	1		12/29/14 15:07	108-88-3	N2
Xylene (Total)	ND	ug/L	1.5	1		12/29/14 15:07	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	98	%.	70-130	1		12/29/14 15:07	460-00-4	
Dibromofluoromethane (S)	110	%.	70-130	1		12/29/14 15:07	1868-53-7	
Toluene-d8 (S)	94	%.	70-130	1		12/29/14 15:07	2037-26-5	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50109364

Sample: BPIT-LEC4B-121714 **Lab ID: 50109364005** Collected: 12/17/14 11:20 Received: 12/17/14 14:04 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 20:18	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 20:18	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 20:18	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 20:18	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 20:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 20:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 20:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 20:18	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/23/14 15:00	12/30/14 20:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 20:18	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 20:18	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 20:18	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 20:18	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 20:18	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 20:18	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 20:18	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	45	%.	21-114	1	12/23/14 15:00	12/30/14 20:18	321-60-8	
p-Terphenyl-d14 (S)	47	%.	25-131	1	12/23/14 15:00	12/30/14 20:18	1718-51-0	
524.2 MSV	Analytical Method: EPA 524.2							
Benzene	ND	ug/L	0.50	1		12/29/14 15:39	71-43-2	N2
Ethylbenzene	ND	ug/L	0.50	1		12/29/14 15:39	100-41-4	N2
Toluene	ND	ug/L	1.0	1		12/29/14 15:39	108-88-3	N2
Xylene (Total)	ND	ug/L	1.5	1		12/29/14 15:39	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	96	%.	70-130	1		12/29/14 15:39	460-00-4	
Dibromofluoromethane (S)	108	%.	70-130	1		12/29/14 15:39	1868-53-7	
Toluene-d8 (S)	94	%.	70-130	1		12/29/14 15:39	2037-26-5	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50109364

Sample: BPIT-LEC5B-121714 **Lab ID: 50109364006** Collected: 12/17/14 11:34 Received: 12/17/14 14:04 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 20:36	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 20:36	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 20:36	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 20:36	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 20:36	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 20:36	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 20:36	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 20:36	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/23/14 15:00	12/30/14 20:36	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 20:36	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 20:36	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 20:36	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 20:36	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 20:36	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 20:36	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 20:36	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	49	%.	21-114	1	12/23/14 15:00	12/30/14 20:36	321-60-8	
p-Terphenyl-d14 (S)	46	%.	25-131	1	12/23/14 15:00	12/30/14 20:36	1718-51-0	
524.2 MSV	Analytical Method: EPA 524.2							
Benzene	ND	ug/L	0.50	1		12/29/14 16:11	71-43-2	N2
Ethylbenzene	ND	ug/L	0.50	1		12/29/14 16:11	100-41-4	N2
Toluene	ND	ug/L	1.0	1		12/29/14 16:11	108-88-3	N2
Xylene (Total)	ND	ug/L	1.5	1		12/29/14 16:11	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	96	%.	70-130	1		12/29/14 16:11	460-00-4	
Dibromofluoromethane (S)	106	%.	70-130	1		12/29/14 16:11	1868-53-7	
Toluene-d8 (S)	93	%.	70-130	1		12/29/14 16:11	2037-26-5	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50109364

Sample: BPIT-LEC2B-121714 **Lab ID: 50109364007** Collected: 12/17/14 11:43 Received: 12/17/14 14:04 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 20:53	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 20:53	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 20:53	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 20:53	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 20:53	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 20:53	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 20:53	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 20:53	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/23/14 15:00	12/30/14 20:53	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 20:53	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 20:53	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 20:53	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 20:53	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 20:53	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 20:53	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 20:53	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	46	%.	21-114	1	12/23/14 15:00	12/30/14 20:53	321-60-8	
p-Terphenyl-d14 (S)	38	%.	25-131	1	12/23/14 15:00	12/30/14 20:53	1718-51-0	
524.2 MSV	Analytical Method: EPA 524.2							
Benzene	ND	ug/L	0.50	1		12/29/14 16:44	71-43-2	N2
Ethylbenzene	ND	ug/L	0.50	1		12/29/14 16:44	100-41-4	N2
Toluene	ND	ug/L	1.0	1		12/29/14 16:44	108-88-3	N2
Xylene (Total)	ND	ug/L	1.5	1		12/29/14 16:44	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	97	%.	70-130	1		12/29/14 16:44	460-00-4	
Dibromofluoromethane (S)	109	%.	70-130	1		12/29/14 16:44	1868-53-7	
Toluene-d8 (S)	94	%.	70-130	1		12/29/14 16:44	2037-26-5	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50109364

Sample: BPIT-LEC1B-121714 **Lab ID: 50109364008** Collected: 12/17/14 11:50 Received: 12/17/14 14:04 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 21:11	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 21:11	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 21:11	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 21:11	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 21:11	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 21:11	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 21:11	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 21:11	207-08-9	
Chrysene	ND	ug/L	0.51	1	12/23/14 15:00	12/30/14 21:11	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 21:11	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 21:11	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 21:11	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 21:11	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 21:11	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 21:11	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 21:11	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	47	%.	21-114	1	12/23/14 15:00	12/30/14 21:11	321-60-8	
p-Terphenyl-d14 (S)	43	%.	25-131	1	12/23/14 15:00	12/30/14 21:11	1718-51-0	
524.2 MSV	Analytical Method: EPA 524.2							
Benzene	ND	ug/L	0.50	1		12/29/14 17:16	71-43-2	N2
Ethylbenzene	ND	ug/L	0.50	1		12/29/14 17:16	100-41-4	N2
Toluene	ND	ug/L	1.0	1		12/29/14 17:16	108-88-3	N2
Xylene (Total)	ND	ug/L	1.5	1		12/29/14 17:16	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	97	%.	70-130	1		12/29/14 17:16	460-00-4	
Dibromofluoromethane (S)	106	%.	70-130	1		12/29/14 17:16	1868-53-7	
Toluene-d8 (S)	93	%.	70-130	1		12/29/14 17:16	2037-26-5	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50109364

Sample: BPIT-LEC3A-121714 **Lab ID: 50109364009** Collected: 12/17/14 11:53 Received: 12/17/14 14:04 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 21:29	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 21:29	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 21:29	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 21:29	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 21:29	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 21:29	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 21:29	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 21:29	207-08-9	
Chrysene	ND	ug/L	0.51	1	12/23/14 15:00	12/30/14 21:29	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 21:29	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 21:29	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 21:29	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/23/14 15:00	12/30/14 21:29	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 21:29	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 21:29	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/23/14 15:00	12/30/14 21:29	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	50	%.	21-114	1	12/23/14 15:00	12/30/14 21:29	321-60-8	
p-Terphenyl-d14 (S)	46	%.	25-131	1	12/23/14 15:00	12/30/14 21:29	1718-51-0	
524.2 MSV	Analytical Method: EPA 524.2							
Benzene	ND	ug/L	0.50	1		12/29/14 19:25	71-43-2	N2
Ethylbenzene	ND	ug/L	0.50	1		12/29/14 19:25	100-41-4	N2
Toluene	ND	ug/L	1.0	1		12/29/14 19:25	108-88-3	N2
Xylene (Total)	ND	ug/L	1.5	1		12/29/14 19:25	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	97	%.	70-130	1		12/29/14 19:25	460-00-4	
Dibromofluoromethane (S)	109	%.	70-130	1		12/29/14 19:25	1868-53-7	
Toluene-d8 (S)	94	%.	70-130	1		12/29/14 19:25	2037-26-5	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50109364

Sample: BPIT-DUP01-121714 **Lab ID: 50109364010** Collected: 12/17/14 08:00 Received: 12/17/14 14:04 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/19/14 08:50	12/20/14 07:12	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/19/14 08:50	12/20/14 07:12	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/19/14 08:50	12/20/14 07:12	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/19/14 08:50	12/20/14 07:12	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/19/14 08:50	12/20/14 07:12	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/19/14 08:50	12/20/14 07:12	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/19/14 08:50	12/20/14 07:12	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/19/14 08:50	12/20/14 07:12	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/19/14 08:50	12/20/14 07:12	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/19/14 08:50	12/20/14 07:12	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/19/14 08:50	12/20/14 07:12	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/19/14 08:50	12/20/14 07:12	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/19/14 08:50	12/20/14 07:12	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/19/14 08:50	12/20/14 07:12	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/19/14 08:50	12/20/14 07:12	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/19/14 08:50	12/20/14 07:12	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	52	%.	21-114	1	12/19/14 08:50	12/20/14 07:12	321-60-8	
p-Terphenyl-d14 (S)	61	%.	25-131	1	12/19/14 08:50	12/20/14 07:12	1718-51-0	
524.2 MSV	Analytical Method: EPA 524.2							
Benzene	ND	ug/L	0.50	1		12/29/14 17:48	71-43-2	N2
Ethylbenzene	ND	ug/L	0.50	1		12/29/14 17:48	100-41-4	N2
Toluene	ND	ug/L	1.0	1		12/29/14 17:48	108-88-3	N2
Xylene (Total)	ND	ug/L	1.5	1		12/29/14 17:48	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	98	%.	70-130	1		12/29/14 17:48	460-00-4	
Dibromofluoromethane (S)	108	%.	70-130	1		12/29/14 17:48	1868-53-7	
Toluene-d8 (S)	92	%.	70-130	1		12/29/14 17:48	2037-26-5	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50109364

Sample: BPIT-TRIP BLANK-121714 **Lab ID: 50109364011** Collected: 12/17/14 08:00 Received: 12/17/14 14:04 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV	Analytical Method: EPA 524.2							
Benzene	ND	ug/L	0.50	1		12/29/14 18:21	71-43-2	N2
Ethylbenzene	ND	ug/L	0.50	1		12/29/14 18:21	100-41-4	N2
Toluene	ND	ug/L	1.0	1		12/29/14 18:21	108-88-3	N2
Xylene (Total)	ND	ug/L	1.5	1		12/29/14 18:21	1330-20-7	N2
Surrogates								
4-Bromofluorobenzene (S)	97	%.	70-130	1		12/29/14 18:21	460-00-4	
Dibromofluoromethane (S)	106	%.	70-130	1		12/29/14 18:21	1868-53-7	
Toluene-d8 (S)	93	%.	70-130	1		12/29/14 18:21	2037-26-5	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50109364

QC Batch: MSV/72327 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Associated Lab Samples: 50109364001, 50109364002, 50109364003, 50109364004, 50109364005, 50109364006, 50109364007, 50109364008, 50109364009, 50109364010, 50109364011

METHOD BLANK: 1215540 Matrix: Water
Associated Lab Samples: 50109364001, 50109364002, 50109364003, 50109364004, 50109364005, 50109364006, 50109364007, 50109364008, 50109364009, 50109364010, 50109364011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	0.50	12/29/14 11:53	N2
Ethylbenzene	ug/L	ND	0.50	12/29/14 11:53	N2
Toluene	ug/L	ND	1.0	12/29/14 11:53	N2
Xylene (Total)	ug/L	ND	1.5	12/29/14 11:53	N2
4-Bromofluorobenzene (S)	%.	98	70-130	12/29/14 11:53	
Dibromofluoromethane (S)	%.	106	70-130	12/29/14 11:53	
Toluene-d8 (S)	%.	93	70-130	12/29/14 11:53	

LABORATORY CONTROL SAMPLE: 1215541

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	46.1	92	70-130	N2
Ethylbenzene	ug/L	50	49.8	100	70-130	N2
Toluene	ug/L	50	46.5	93	70-130	N2
Xylene (Total)	ug/L	150	154	103	70-130	N2
4-Bromofluorobenzene (S)	%.			105	70-130	
Dibromofluoromethane (S)	%.			105	70-130	
Toluene-d8 (S)	%.			94	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1215542 1215543

Parameter	Units	50109364009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	49.9	47.6	100	95	70-130	5	20	N2
Ethylbenzene	ug/L	ND	50	50	50.2	49.7	100	99	70-130	1	20	N2
Toluene	ug/L	ND	50	50	47.2	46.1	94	92	70-130	2	20	N2
Xylene (Total)	ug/L	ND	150	150	157	154	104	103	70-130	1	20	N2
4-Bromofluorobenzene (S)	%.						104	105	70-130			
Dibromofluoromethane (S)	%.						108	107	70-130			
Toluene-d8 (S)	%.						95	96	70-130			

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50109364

QC Batch: OEXT/37807 Analysis Method: EPA 8270 by SIM LVE
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH LV by SIM MSSV
Associated Lab Samples: 50109364001, 50109364002, 50109364003, 50109364004

METHOD BLANK: 1210226 Matrix: Water
Associated Lab Samples: 50109364001, 50109364002, 50109364003, 50109364004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	1.0	12/19/14 22:24	
Acenaphthylene	ug/L	ND	1.0	12/19/14 22:24	
Anthracene	ug/L	ND	0.10	12/19/14 22:24	
Benzo(a)anthracene	ug/L	ND	0.10	12/19/14 22:24	
Benzo(a)pyrene	ug/L	ND	0.10	12/19/14 22:24	
Benzo(b)fluoranthene	ug/L	ND	0.10	12/19/14 22:24	
Benzo(g,h,i)perylene	ug/L	ND	0.10	12/19/14 22:24	
Benzo(k)fluoranthene	ug/L	ND	0.10	12/19/14 22:24	
Chrysene	ug/L	ND	0.50	12/19/14 22:24	
Dibenz(a,h)anthracene	ug/L	ND	0.10	12/19/14 22:24	
Fluoranthene	ug/L	ND	1.0	12/19/14 22:24	
Fluorene	ug/L	ND	1.0	12/19/14 22:24	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	12/19/14 22:24	
Naphthalene	ug/L	ND	1.0	12/19/14 22:24	
Phenanthrene	ug/L	ND	1.0	12/19/14 22:24	
Pyrene	ug/L	ND	1.0	12/19/14 22:24	
2-Fluorobiphenyl (S)	%.	76	21-114	12/19/14 22:24	
p-Terphenyl-d14 (S)	%.	110	25-131	12/19/14 22:24	

LABORATORY CONTROL SAMPLE: 1210227

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	10	8.9	89	39-117	
Acenaphthylene	ug/L	10	9.1	91	40-120	
Anthracene	ug/L	10	10.1	101	48-126	
Benzo(a)anthracene	ug/L	10	9.7	97	51-134	
Benzo(a)pyrene	ug/L	10	8.9	89	48-141	
Benzo(b)fluoranthene	ug/L	10	7.5	75	49-139	
Benzo(g,h,i)perylene	ug/L	10	8.2	82	44-134	
Benzo(k)fluoranthene	ug/L	10	9.1	91	48-140	
Chrysene	ug/L	10	11.5	115	53-136	
Dibenz(a,h)anthracene	ug/L	10	7.1	71	44-132	
Fluoranthene	ug/L	10	10.9	109	50-135	
Fluorene	ug/L	10	9.8	98	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	7.2	72	45-132	
Naphthalene	ug/L	10	7.8	78	30-112	
Phenanthrene	ug/L	10	9.5	95	47-128	
Pyrene	ug/L	10	10	100	50-134	
2-Fluorobiphenyl (S)	%.			61	21-114	
p-Terphenyl-d14 (S)	%.			95	25-131	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50109364

QC Batch: OEXT/37823
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by SIM LVE
Analysis Description: 8270 Water PAH LV by SIM MSSV
Associated Lab Samples: 50109364010

METHOD BLANK: 1211167
Matrix: Water
Associated Lab Samples: 50109364010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	1.0	12/20/14 05:27	
Acenaphthylene	ug/L	ND	1.0	12/20/14 05:27	
Anthracene	ug/L	ND	0.10	12/20/14 05:27	
Benzo(a)anthracene	ug/L	ND	0.10	12/20/14 05:27	
Benzo(a)pyrene	ug/L	ND	0.10	12/20/14 05:27	
Benzo(b)fluoranthene	ug/L	ND	0.10	12/20/14 05:27	
Benzo(g,h,i)perylene	ug/L	ND	0.10	12/20/14 05:27	
Benzo(k)fluoranthene	ug/L	ND	0.10	12/20/14 05:27	
Chrysene	ug/L	ND	0.50	12/20/14 05:27	
Dibenz(a,h)anthracene	ug/L	ND	0.10	12/20/14 05:27	
Fluoranthene	ug/L	ND	1.0	12/20/14 05:27	
Fluorene	ug/L	ND	1.0	12/20/14 05:27	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	12/20/14 05:27	
Naphthalene	ug/L	ND	1.0	12/20/14 05:27	
Phenanthrene	ug/L	ND	1.0	12/20/14 05:27	
Pyrene	ug/L	ND	1.0	12/20/14 05:27	
2-Fluorobiphenyl (S)	%.	55	21-114	12/20/14 05:27	
p-Terphenyl-d14 (S)	%.	98	25-131	12/20/14 05:27	

LABORATORY CONTROL SAMPLE: 1211168

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	10	8.4	84	39-117	
Acenaphthylene	ug/L	10	8.7	87	40-120	
Anthracene	ug/L	10	10.1	101	48-126	
Benzo(a)anthracene	ug/L	10	9.6	96	51-134	
Benzo(a)pyrene	ug/L	10	9.4	94	48-141	
Benzo(b)fluoranthene	ug/L	10	7.9	79	49-139	
Benzo(g,h,i)perylene	ug/L	10	8.9	89	44-134	
Benzo(k)fluoranthene	ug/L	10	9.6	96	48-140	
Chrysene	ug/L	10	11.3	113	53-136	
Dibenz(a,h)anthracene	ug/L	10	7.3	73	44-132	
Fluoranthene	ug/L	10	10.5	105	50-135	
Fluorene	ug/L	10	9.4	94	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	7.6	76	45-132	
Naphthalene	ug/L	10	7.5	75	30-112	
Phenanthrene	ug/L	10	9.1	91	47-128	
Pyrene	ug/L	10	10.0	100	50-134	
2-Fluorobiphenyl (S)	%.			56	21-114	
p-Terphenyl-d14 (S)	%.			95	25-131	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50109364

QC Batch: OEXT/37879 Analysis Method: EPA 8270 by SIM LVE
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH LV by SIM MSSV
Associated Lab Samples: 50109364005, 50109364006, 50109364007, 50109364008, 50109364009

METHOD BLANK: 1213897 Matrix: Water
Associated Lab Samples: 50109364005, 50109364006, 50109364007, 50109364008, 50109364009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	1.0	12/30/14 18:14	
Acenaphthylene	ug/L	ND	1.0	12/30/14 18:14	
Anthracene	ug/L	ND	0.10	12/30/14 18:14	
Benzo(a)anthracene	ug/L	ND	0.10	12/30/14 18:14	
Benzo(a)pyrene	ug/L	ND	0.10	12/30/14 18:14	
Benzo(b)fluoranthene	ug/L	ND	0.10	12/30/14 18:14	
Benzo(g,h,i)perylene	ug/L	ND	0.10	12/30/14 18:14	
Benzo(k)fluoranthene	ug/L	ND	0.10	12/30/14 18:14	
Chrysene	ug/L	ND	0.50	12/30/14 18:14	
Dibenz(a,h)anthracene	ug/L	ND	0.10	12/30/14 18:14	
Fluoranthene	ug/L	ND	1.0	12/30/14 18:14	
Fluorene	ug/L	ND	1.0	12/30/14 18:14	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	12/30/14 18:14	
Naphthalene	ug/L	ND	1.0	12/30/14 18:14	
Phenanthrene	ug/L	ND	1.0	12/30/14 18:14	
Pyrene	ug/L	ND	1.0	12/30/14 18:14	
2-Fluorobiphenyl (S)	%.	54	21-114	12/30/14 18:14	
p-Terphenyl-d14 (S)	%.	73	25-131	12/30/14 18:14	

LABORATORY CONTROL SAMPLE: 1213898

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	10	6.9	69	39-117	
Acenaphthylene	ug/L	10	7.2	72	40-120	
Anthracene	ug/L	10	6.9	69	48-126	
Benzo(a)anthracene	ug/L	10	9.4	94	51-134	
Benzo(a)pyrene	ug/L	10	7.8	78	48-141	
Benzo(b)fluoranthene	ug/L	10	7.6	76	49-139	
Benzo(g,h,i)perylene	ug/L	10	7.1	71	44-134	
Benzo(k)fluoranthene	ug/L	10	7.1	71	48-140	
Chrysene	ug/L	10	8.7	87	53-136	
Dibenz(a,h)anthracene	ug/L	10	7.5	75	44-132	
Fluoranthene	ug/L	10	7.5	75	50-135	
Fluorene	ug/L	10	7.3	73	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	7.5	75	45-132	
Naphthalene	ug/L	10	7.2	72	30-112	
Phenanthrene	ug/L	10	6.7	67	47-128	
Pyrene	ug/L	10	8.5	85	50-134	
2-Fluorobiphenyl (S)	%.			52	21-114	
p-Terphenyl-d14 (S)	%.			68	25-131	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50109364

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1213899 1213900

Parameter	Units	50109364009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	ND	10	10.2	6.4	5.6	64	55	28-116	12	20	
Acenaphthylene	ug/L	ND	10	10.2	6.7	5.9	67	58	34-115	12	20	
Anthracene	ug/L	ND	10	10.2	6.3	5.4	63	53	39-121	16	20	
Benzo(a)anthracene	ug/L	ND	10	10.2	7.3	5.0	73	49	31-127	37	20	R1
Benzo(a)pyrene	ug/L	ND	10	10.2	4.1	2.3	41	23	10-121	55	20	R1
Benzo(b)fluoranthene	ug/L	ND	10	10.2	4.4	2.6	44	25	10-119	53	20	R1
Benzo(g,h,i)perylene	ug/L	ND	10	10.2	2.4	1.4	24	14	10-108	53	20	R1
Benzo(k)fluoranthene	ug/L	ND	10	10.2	3.8	2.2	38	21	10-118	54	20	R1
Chrysene	ug/L	ND	10	10.2	6.5	4.3	65	42	32-127	41	20	R1
Dibenz(a,h)anthracene	ug/L	ND	10	10.2	2.4	1.4	24	14	10-104	53	20	R1
Fluoranthene	ug/L	ND	10	10.2	6.9	5.8	69	57	38-131	18	20	
Fluorene	ug/L	ND	10	10.2	6.8	5.9	68	58	33-121	13	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10	10.2	2.6	1.5	26	14	10-108	55	20	R1
Naphthalene	ug/L	ND	10	10.2	7.0	6.6	70	64	16-119	6	20	
Phenanthrene	ug/L	ND	10	10.2	6.3	5.4	63	53	32-130	15	20	
Pyrene	ug/L	ND	10	10.2	7.9	6.6	79	65	39-131	18	20	
2-Fluorobiphenyl (S)	%.						55	47	21-114			
p-Terphenyl-d14 (S)	%.						53	35	25-131			

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50109364

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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 (8270 listed analyte) decomposes to Azobenzene.

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

N2	The lab does not hold TNI accreditation for this parameter.
R1	RPD value was outside control limits.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Indianapolis Terminal BP#215
Pace Project No.: 50109364

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50109364001	**BPIT-LEC6B-121714**	EPA 3510	OEXT/37807	EPA 8270 by SIM LVE	MSSV/16836
50109364002	**BPIT-LEC2A-121714**	EPA 3510	OEXT/37807	EPA 8270 by SIM LVE	MSSV/16836
50109364003	**BPIT-LEC3B-121714**	EPA 3510	OEXT/37807	EPA 8270 by SIM LVE	MSSV/16836
50109364004	**BPIT-LEC1A-121714**	EPA 3510	OEXT/37807	EPA 8270 by SIM LVE	MSSV/16836
50109364005	**BPIT-LEC4B-121714**	EPA 3510	OEXT/37879	EPA 8270 by SIM LVE	MSSV/16887
50109364006	**BPIT-LEC5B-121714**	EPA 3510	OEXT/37879	EPA 8270 by SIM LVE	MSSV/16887
50109364007	**BPIT-LEC2B-121714**	EPA 3510	OEXT/37879	EPA 8270 by SIM LVE	MSSV/16887
50109364008	**BPIT-LEC1B-121714**	EPA 3510	OEXT/37879	EPA 8270 by SIM LVE	MSSV/16887
50109364009	**BPIT-LEC3A-121714**	EPA 3510	OEXT/37879	EPA 8270 by SIM LVE	MSSV/16887
50109364010	**BPIT-DUP01-121714**	EPA 3510	OEXT/37823	EPA 8270 by SIM LVE	MSSV/16844
50109364001	**BPIT-LEC6B-121714**	EPA 524.2	MSV/72327		
50109364002	**BPIT-LEC2A-121714**	EPA 524.2	MSV/72327		
50109364003	**BPIT-LEC3B-121714**	EPA 524.2	MSV/72327		
50109364004	**BPIT-LEC1A-121714**	EPA 524.2	MSV/72327		
50109364005	**BPIT-LEC4B-121714**	EPA 524.2	MSV/72327		
50109364006	**BPIT-LEC5B-121714**	EPA 524.2	MSV/72327		
50109364007	**BPIT-LEC2B-121714**	EPA 524.2	MSV/72327		
50109364008	**BPIT-LEC1B-121714**	EPA 524.2	MSV/72327		
50109364009	**BPIT-LEC3A-121714**	EPA 524.2	MSV/72327		
50109364010	**BPIT-DUP01-121714**	EPA 524.2	MSV/72327		
50109364011	**BPIT-TRIP BLANK-121714**	EPA 524.2	MSV/72327		

bp

Laboratory Management Program LaMP Chain of Custody Record

BP Site Node Path: BP > USA > IN > Marion > Indian[illegible]is Termin[illegible] | Req Due Date (mm/dd/yy): | Rush TA[illegible]es ___ No X

BP Facility No: # 215 | Lab Work Order Number: 501093364

Lab Name:	Pace Analytical	Facility Address:	2500 North Tibbs Ave.	Consultant/Contractor:	Stantec Consulting Corp.
Lab Address:	7726 Moller Road, Indianapolis, IN 46268	City, State, ZIP Code:	Indianapolis, IN 46222	Consultant/Contractor Project No:	182612301.601.681
Lab PM:	Tina Sayer	Lead Regulatory Agency:	EPA	Address:	8770 Guion Rd., Suite B, Indianapolis, IN 46268
Lab Phone:	317-875-5894	California Global ID No.:		Consultant/Contractor PM:	Kyle Amberger
Lab Shipping Acct:		Enfos Proposal No:	007VX-0017	Phone:	317-876-8375 x 240 Email: kyle.amberger@stantec.com
Lab Bottle Order No:		Accounting Mode:	Provision X OOC-BU ___ OOC-RM ___	Email EDD To:	Kyle Amberger and to lab.enfosdoc@bp.com
Other Info:		Stage:	OMM 60 Activity: Project Spend 81	Invoice To:	BP X Contractor ___

BP Project Manager (PM): Bruno Mancini

BP PM Phone: 216-271-8852

BP PM Email: bruno.mancini@bp.com

Report Type & QC Level: Standard X; Full Data Package ___

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	BTEX by 524	PAHs by 8270SIM	MS/MSD	Comments
001	BPIT-LEC6B-121714	12/17/14	1036		X		No		2			3		X	X		
002	BPIT-LEC2A-121714	↓	1047		↓		↓		2			3		X	X		
003	BPIT-LEC3B-121714		1055						2			3		X	X		
004	BPIT-LEC1A-121714		1110						2			3		X	X		
005	BPIT-LEC4B-121714		1120						2			3		X	X		
006	BPIT-LEC5B-121714		1134						2			3		X	X		
007	BPIT-LEC2B-121714		1143						2			3		X	X		
008	BPIT-LEC1B-121714		1150						2			3		X	X		
009	BPIT-LEC3A-121714		1153					15	6			9		X	X	X	3X Sample Volume for MS/MSD
010	BPIT-DUP01-121714	↓	—		↓		↓		2			3		X	X		

Sampler's Name: Nick Jose / Brandon Hiatt

Sampler's Company: Stantec

Shipment Method: Hand Delivered Ship Date: —

Shipment Tracking No: —

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Nick Jose / Stantec	12/17/14	204	James Jones	12/17/14	204

Special Instructions: Temperature Blank Included

THIS LINE - LAB USE ONLY: Custody Seals In Place: ~~Yes~~ / No | Temp Blank: ~~Yes~~ / No | Cooler Temp on Receipt: 1.8 °F/C | Trip Blank: ~~Yes~~ / No | MS/MSD Sample Submitted: ~~Yes~~ / No

WEAMCO

Laboratory Management Program LaMP Chain of Custody Record

BP Site Node Path: BP > USA > IN > Marion > Indian[illegible]s Termin[illegible] | Req Due Date (mm/dd/yy): | Rush TA[illegible]es ___ No X

BP Facility No: # 215 | Lab Work Order Number: 50109364

Lab Name:	Pace Analytical	Facility Address:	2500 North Tibbs Ave.	Consultant/Contractor:	Stantec Consulting Corp.
Lab Address:	7726 Moller Road, Indianapolis, IN 46268	City, State, ZIP Code:	Indianapolis, IN 46222	Consultant/Contractor Project No:	182612301.601.681
Lab PM:	Tina Sayer	Lead Regulatory Agency:	EPA	Address:	8770 Guion Rd., Suite B, Indianapolis, IN 46268
Lab Phone:	317-875-5894	California Global ID No.:		Consultant/Contractor PM:	Kyle Amberger
Lab Shipping Accnt:		Enfos Proposal No:	007VX-0017	Phone:	317-876-8375 x 240 Email: kyle.amberger@stantec.com
Lab Bottle Order No:		Accounting Mode:	Provision X OOC-BU ___ OOC-RM ___	Email EDD To:	Kyle Amberger and to lab.enfosdoc@bp.com
Other Info:		Stage:	OMM 60 Activity: Project Spend 81	Invoice To:	BP X Contractor ___

BP Project Manager (PM): Bruno Mancini

BP PM Phone: 216-271-8852

BP PM Email: bruno.mancini@bp.com

Report Type & QC Level: Standard X; Full Data Package ___

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	Is this location a well?	No. Containers / Preservative: Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol		Requested Analyses: BTEX by 524	PAHs by 8270SIM									Comments
01	BP IT-TRIP BLANK-121714	12/17/14	—		X			3				3			X										

Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Nick Jose / Brandon Hiatt						
Sampler's Company: Stantec	Nick Jose / Stantec	12/17/14	204	James Jones	12/17/14	204
Shipment Method: Hand Delivered Ship Date: —						
Shipment Tracking No: —						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: ~~Yes~~ / No | Temp Blank: ~~Yes~~ / No | Cooler Temp on Receipt: 1.8 °F/C | Trip Blank: ~~Yes~~ / No | MS/MSD Sample Submitted: ~~Yes~~ / No

wzon ICC

Sample Condition Upon Receipt

Pace Analytical

Client Name: Stantec Project # 50109364

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

Tracking #: _____

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

Date/Time 5035A kits placed in freezer _____

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer 1 2 3 4 5 6 A B C D E F **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 1.8
(Corrected, if applicable)

Ice Visible in Sample Containers: ☐ yes ☑ no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 12/17/14 JJ

				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 & Signature on COC:	☑Yes	☐No	☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	5.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	6.
Containers Intact:	☑Yes	☐No	☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes	☐No	☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G. All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.	☐Yes	☐No	☑N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	10.
Trip Blank Present:	☑Yes	☐No	☐N/A	11.
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	12.
Sufficient Volume:	☑Yes	☐No	☐N/A	13.
Correct Containers Used:	☑Yes	☐No	☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: J Sayer **Date:** 12/17/14

Form F-IN-Q-290-rev.06, 05Aug2014

Sample Container Count

CLIENT: Stantec

COC PAGE 1 of 1

COC ID#

Project # 50109364

Pace Analytical™ www.pacelabs.com

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST	_____	pH <2	pH>12	Comments
1	3			2																	
2	3			2																	
3	3			2																	
4	3			2																	
5	3			2																	
6	3			2																	
7	3			2																	
8	3			2																	
9	9			6																	
10	3			2																	
11	3																				
12																					

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Appendix B Surface Water Data Validation

Stantec Analytical Validation Checklist — Report No. 011515-EC-01

Project Name: BP – Indy Terminal # 215	Project Number: 182612296
Stantec Validator: Elizabeth Crowley	Laboratory: Pace Analytical, Indianapolis, IL
Date Validated: 01/14/15	Laboratory Project Number: 50109364
Sample Start-End Date: 12/17/14	Laboratory Report Date: 12/31/14

Parameters Validated: Volatile Organic Compounds (VOC) by 524.2 and Poly Aromatic Hydrocarbons by 8270 SIM LVE

Associated Chain(s) of Custody – no numbers/10 aqueous field samples and 1 Trip Blank

Samples Validated – BPIT-LEC1B-121714 and BPIT-LEC3A-121714

VALIDATION CRITERIA CHECK

Validation Flags Applicable to this Review:

U The analyte was analyzed for, but not detected above the reported sample quantitation limit.

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

UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".

NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

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

B The analyte was detected in the method, field and/or trip blank.

	Yes	No
1. Were all the analyses requested for the samples submitted with each COC completed by the lab?	X	
Comments:		
2. Did the laboratory identify any non-conformances related to the analytical result?		X
Comments:		
3. Were sample Chain-of-Custody forms complete?	X	
Comments:		
4. Were samples received in good condition and at the appropriate temperature?	X	
Comments:		
5. Were sample holding times met?	X	
Comments:		
6. Were correct concentration units reported?	X	
Comments:		

7. Were detections found in laboratory blank samples?		Yes	No X
Comments:			
8. Were detections found in field blank, equipment rinse blank, and/or trip blank samples?		Yes	No X
Comments:			
9. Were instrument calibrations within method criteria?	NA	Yes	No
Comments: Level II data package – no data provided.			
10. Were surrogate recoveries within laboratory control limits?		Yes X	No
Comments:			
11. Were laboratory control sample recoveries within laboratory control limits?		Yes X	No
Comments:			
12. Were matrix spike recoveries within laboratory control limits?		Yes X	No
Comments:			
13. Were RPDs within control limits?		Yes	No X
Comments: 8270 batch OEXT/37879 – Matrix spike RPD above limits for Benzo(a)anthracene, Benzo(a)Pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)Perylene, Benzo(k)Fluoranthene, Chrysene, Dibenz(a,h)Anthracene and Indeno(1,2,3-cd)pyrene. Sample site specific. Associated validated sample results non-detect. No qualifying action required.			
14. Were dilutions required on any samples?		Yes	No X
Comments:			
15. Were Tentatively Identified Compounds (TIC) present?		Yes	No X
Comments:			
16. Were organic system performance criteria met?	NA	Yes	No
Comments: Level II data package – no data provided.			
17. Were GC/MS internal standards within method criteria?	NA	Yes	No
Comments: Level II data package – no data provided.			
18. Were inorganic system performance criteria met?	NA	Yes	No
Comments: No inorganic samples submitted.			

19. Were blind field duplicates collected? If so, discuss the precision (RPD) of the results. Duplicate Sample No. Primary Sample No.	Yes X	No
Comments: All results non-detect, RPD within limits.		
20. Were at least 10 percent of the hard copy results compared to the Electronic Data Deliverable Results?	Yes X	No Initials EAC
Comments:		
21. Other: Validation Limit	Yes X	No
Comments: Ten percent or minimum one sample validated. Validation criteria, flags and level of confidence apply to validated sample(s) only.		

PRECISION, ACCURACY, METHOD COMPLIANCE AND COMPLETENESS ASSESSMENT

Precision:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Accuracy:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Method Compliance:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Completeness:	Acceptable X	Unacceptable	Initials EAC
Comments:			

Appendix C Variance

Stantec	Variance / Time Delay Form	ERPA-302	
		Page 1 of 1	
		Rev. 1.1	Apr 2011

Site Name BP- Indianapolis Terminal

Location 2500 N. Tibbs Avenue

Stantec Project No. 182612296

The purpose of this form is to document variances from the Work Plan scope or design specifications and/or document instances of time delays. Fax or deliver to the Stantec project office with the daily report. Please print legibly.

Variance / Time Delay Began	Variance / Time Delay Ended	Duration of Variance / Time Delay
12/2/2015	12/3/2015	1 day
Date & Time	Date & Time	

Description of Variance

Work Plan Task / Spec Section: SOP – ERPA-005 (Section 7.1)

Reason for Delay AND/OR Variance

- Monitoring wells south of the site were not simultaneously gauged with the rest of wells because of access issues with a third party. Groundwater elevations for these wells are not included in the December 2014 Groundwater Contour Map (Figure 4) but are provided in Table 2. Despite the absence of these measurements the groundwater monitoring network was sufficient to characterize groundwater flow direction and assess capture zone. The third party was contacted and wells south of the site were sampled according to the sampling plan.

Stantec Personnel Kyle Amberger
Print

Signature _____ **Date** 12/3/14

THIS INFORMATION FOR AUTHORIZED COMPANY USE ONLY
STANTEC CONSULTING

Appendix D Groundwater Analytical Report

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

December 16, 2014

Mr. Kyle Amberger
Stantec
8770 Guion Rd
Suite B
Indianapolis, IN 46268

RE: Project: Indianapolis Terminal BP#215
Pace Project No.: 50108189

Dear Mr. Amberger:
Enclosed are the analytical results for sample(s) received by the laboratory on December 04, 2014. 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.

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

Sincerely,

Tina Sayer

Tina Sayer
tina.sayer@pacelabs.com
Project Manager

Enclosures

cc: Mr. Ryan Julien, Stantec

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project:	Indianapolis Terminal BP#215
Pace Project No.:	50108189

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky UST Certification #: 0042
Louisiana/NELAP Certification #: 04076
Ohio VAP Certification #: CL-0065
West Virginia Certification #: 330

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108189

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50108189001	**BPIT-OW32-120214**	Water	12/02/14 15:30	12/04/14 10:15
50108189002	**BPIT-OW33-120214**	Water	12/02/14 16:35	12/04/14 10:15
50108189003	**BPIT-DHW51-120314**	Water	12/03/14 13:50	12/04/14 10:15
50108189004	**BPIT-OW06-120314**	Water	12/03/14 10:27	12/04/14 10:15
50108189005	**BPIT-RW03A-120314**	Water	12/03/14 11:20	12/04/14 10:15
50108189006	**BPIT-DHW87-120314**	Water	12/03/14 14:10	12/04/14 10:15
50108189007	**BPIT-OW36-120314**	Water	12/03/14 16:11	12/04/14 10:15
50108189008	**BPIT-DHW86-120314**	Water	12/03/14 15:10	12/04/14 10:15

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108189

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50108189001	**BPIT-OW32-120214**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108189002	**BPIT-OW33-120214**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108189003	**BPIT-DHW51-120314**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108189004	**BPIT-OW06-120314**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108189005	**BPIT-RW03A-120314**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108189006	**BPIT-DHW87-120314**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108189007	**BPIT-OW36-120314**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108189008	**BPIT-DHW86-120314**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108189

Sample: BPIT-OW32-120214 **Lab ID: 50108189001** Collected: 12/02/14 15:30 Received: 12/04/14 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 05:13	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 05:13	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 05:13	120-12-7	
Benzo(a)anthracene	**0.055J**	ug/L	0.10	1	12/05/14 09:16	12/06/14 05:13	56-55-3	
Benzo(a)pyrene	**0.077J**	ug/L	0.10	1	12/05/14 09:16	12/06/14 05:13	50-32-8	
Benzo(b)fluoranthene	**0.12**	ug/L	0.10	1	12/05/14 09:16	12/06/14 05:13	205-99-2	
Benzo(g,h,i)perylene	**0.089J**	ug/L	0.10	1	12/05/14 09:16	12/06/14 05:13	191-24-2	
Benzo(k)fluoranthene	**0.11**	ug/L	0.10	1	12/05/14 09:16	12/06/14 05:13	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/05/14 09:16	12/06/14 05:13	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 05:13	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 05:13	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 05:13	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.068J**	ug/L	0.10	1	12/05/14 09:16	12/06/14 05:13	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 05:13	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 05:13	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 05:13	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	48	%.	21-114	1	12/05/14 09:16	12/06/14 05:13	321-60-8	
p-Terphenyl-d14 (S)	86	%.	25-131	1	12/05/14 09:16	12/06/14 05:13	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**2.1J**	ug/L	5.0	1		12/16/14 01:48	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/16/14 01:48	100-41-4	
Toluene	ND	ug/L	5.0	1		12/16/14 01:48	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/16/14 01:48	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	79-116	1		12/16/14 01:48	1868-53-7	
Toluene-d8 (S)	99	%.	81-110	1		12/16/14 01:48	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	80-114	1		12/16/14 01:48	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108189

Sample: BPIT-OW33-120214 **Lab ID: 50108189002** Collected: 12/02/14 16:35 Received: 12/04/14 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 05:30	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 05:30	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 05:30	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 05:30	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 05:30	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 05:30	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 05:30	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 05:30	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/05/14 09:16	12/06/14 05:30	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 05:30	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 05:30	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 05:30	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 05:30	193-39-5	
Naphthalene	**1.1**	ug/L	1.0	1	12/05/14 09:16	12/06/14 05:30	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 05:30	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 05:30	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	53	%.	21-114	1	12/05/14 09:16	12/06/14 05:30	321-60-8	
p-Terphenyl-d14 (S)	98	%.	25-131	1	12/05/14 09:16	12/06/14 05:30	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**43.2**	ug/L	5.0	1		12/16/14 02:21	71-43-2	
Ethylbenzene	**14.3**	ug/L	5.0	1		12/16/14 02:21	100-41-4	
Toluene	ND	ug/L	5.0	1		12/16/14 02:21	108-88-3	
Xylene (Total)	**20.4**	ug/L	10.0	1		12/16/14 02:21	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	79-116	1		12/16/14 02:21	1868-53-7	
Toluene-d8 (S)	98	%.	81-110	1		12/16/14 02:21	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	80-114	1		12/16/14 02:21	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108189

Sample: BPIT-DHW51-120314 **Lab ID: 50108189003** Collected: 12/03/14 13:50 Received: 12/04/14 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**1.3**	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:03	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:03	208-96-8	
Anthracene	**0.10**	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:03	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:03	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:03	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:03	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:03	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:03	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/05/14 12:09	12/06/14 14:03	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:03	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:03	206-44-0	
Fluorene	**1.6**	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:03	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:03	193-39-5	
Naphthalene	**4.8**	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:03	91-20-3	
Phenanthrene	**1.2**	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:03	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:03	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	56	%.	21-114	1	12/05/14 12:09	12/06/14 14:03	321-60-8	
p-Terphenyl-d14 (S)	80	%.	25-131	1	12/05/14 12:09	12/06/14 14:03	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**195**	ug/L	5.0	1		12/16/14 02:53	71-43-2	
Ethylbenzene	**19.7**	ug/L	5.0	1		12/16/14 02:53	100-41-4	
Toluene	**2.5J**	ug/L	5.0	1		12/16/14 02:53	108-88-3	
Xylene (Total)	**30.0**	ug/L	10.0	1		12/16/14 02:53	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	79-116	1		12/16/14 02:53	1868-53-7	
Toluene-d8 (S)	98	%.	81-110	1		12/16/14 02:53	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	80-114	1		12/16/14 02:53	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108189

Sample: BPIT-OW06-120314 **Lab ID: 50108189004** Collected: 12/03/14 10:27 Received: 12/04/14 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**0.67J**	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:21	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:21	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:21	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:21	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:21	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/05/14 12:09	12/06/14 14:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:21	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:21	206-44-0	
Fluorene	**0.65J**	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:21	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:21	193-39-5	
Naphthalene	**1.3**	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:21	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:21	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:21	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	58	%.	21-114	1	12/05/14 12:09	12/06/14 14:21	321-60-8	
p-Terphenyl-d14 (S)	91	%.	25-131	1	12/05/14 12:09	12/06/14 14:21	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/16/14 03:25	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/16/14 03:25	100-41-4	
Toluene	ND	ug/L	5.0	1		12/16/14 03:25	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/16/14 03:25	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	79-116	1		12/16/14 03:25	1868-53-7	
Toluene-d8 (S)	97	%.	81-110	1		12/16/14 03:25	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	80-114	1		12/16/14 03:25	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108189

Sample: BPIT-RW03A-120314 **Lab ID: 50108189005** Collected: 12/03/14 11:20 Received: 12/04/14 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:38	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:38	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:38	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:38	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:38	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:38	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:38	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:38	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/05/14 12:09	12/06/14 14:38	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:38	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:38	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:38	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:38	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:38	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:38	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:38	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	60	%.	21-114	1	12/05/14 12:09	12/06/14 14:38	321-60-8	
p-Terphenyl-d14 (S)	106	%.	25-131	1	12/05/14 12:09	12/06/14 14:38	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/16/14 03:58	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/16/14 03:58	100-41-4	
Toluene	ND	ug/L	5.0	1		12/16/14 03:58	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/16/14 03:58	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	106	%.	79-116	1		12/16/14 03:58	1868-53-7	
Toluene-d8 (S)	95	%.	81-110	1		12/16/14 03:58	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	80-114	1		12/16/14 03:58	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108189

Sample: BPIT-DHW87-120314 **Lab ID: 50108189006** Collected: 12/03/14 14:10 Received: 12/04/14 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:56	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:56	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:56	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:56	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:56	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:56	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:56	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:56	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/05/14 12:09	12/06/14 14:56	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:56	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:56	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:56	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 14:56	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:56	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:56	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 14:56	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	61	%.	21-114	1	12/05/14 12:09	12/06/14 14:56	321-60-8	
p-Terphenyl-d14 (S)	110	%.	25-131	1	12/05/14 12:09	12/06/14 14:56	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/16/14 05:35	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/16/14 05:35	100-41-4	
Toluene	ND	ug/L	5.0	1		12/16/14 05:35	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/16/14 05:35	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	105	%.	79-116	1		12/16/14 05:35	1868-53-7	
Toluene-d8 (S)	96	%.	81-110	1		12/16/14 05:35	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	80-114	1		12/16/14 05:35	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108189

Sample: BPIT-OW36-120314 **Lab ID: 50108189007** Collected: 12/03/14 16:11 Received: 12/04/14 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**1.1**	ug/L	1.0	1	12/05/14 12:09	12/06/14 15:14	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 15:14	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 15:14	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 15:14	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 15:14	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 15:14	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 15:14	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 15:14	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/05/14 12:09	12/06/14 15:14	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 15:14	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 15:14	206-44-0	
Fluorene	**1.3**	ug/L	1.0	1	12/05/14 12:09	12/06/14 15:14	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 15:14	193-39-5	
Naphthalene	**4.7**	ug/L	1.0	1	12/05/14 12:09	12/06/14 15:14	91-20-3	
Phenanthrene	**0.72J**	ug/L	1.0	1	12/05/14 12:09	12/06/14 15:14	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 15:14	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	57	%.	21-114	1	12/05/14 12:09	12/06/14 15:14	321-60-8	
p-Terphenyl-d14 (S)	97	%.	25-131	1	12/05/14 12:09	12/06/14 15:14	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**2220**	ug/L	50.0	10		12/16/14 05:03	71-43-2	
Ethylbenzene	**65.4**	ug/L	5.0	1		12/16/14 04:30	100-41-4	
Toluene	**23.4**	ug/L	5.0	1		12/16/14 04:30	108-88-3	
Xylene (Total)	**111**	ug/L	10.0	1		12/16/14 04:30	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%.	79-116	1		12/16/14 04:30	1868-53-7	
Toluene-d8 (S)	97	%.	81-110	1		12/16/14 04:30	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	80-114	1		12/16/14 04:30	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108189

Sample: BPIT-DHW86-120314 **Lab ID: 50108189008** Collected: 12/03/14 15:10 Received: 12/04/14 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 15:31	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 15:31	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 15:31	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 15:31	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 15:31	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 15:31	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 15:31	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 15:31	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/05/14 12:09	12/06/14 15:31	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 15:31	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 15:31	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 15:31	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 15:31	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 15:31	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 15:31	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 15:31	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	57	%.	21-114	1	12/05/14 12:09	12/06/14 15:31	321-60-8	
p-Terphenyl-d14 (S)	95	%.	25-131	1	12/05/14 12:09	12/06/14 15:31	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/16/14 06:40	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/16/14 06:40	100-41-4	
Toluene	ND	ug/L	5.0	1		12/16/14 06:40	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/16/14 06:40	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	79-116	1		12/16/14 06:40	1868-53-7	
Toluene-d8 (S)	97	%.	81-110	1		12/16/14 06:40	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	80-114	1		12/16/14 06:40	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108189

QC Batch: MSV/71867 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 50108189001, 50108189002, 50108189003, 50108189004, 50108189005, 50108189006, 50108189007, 50108189008

METHOD BLANK: 1207840 Matrix: Water
Associated Lab Samples: 50108189001, 50108189002, 50108189003, 50108189004, 50108189005, 50108189006, 50108189007, 50108189008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	5.0	12/16/14 01:16	
Ethylbenzene	ug/L	ND	5.0	12/16/14 01:16	
Toluene	ug/L	ND	5.0	12/16/14 01:16	
Xylene (Total)	ug/L	ND	10.0	12/16/14 01:16	
4-Bromofluorobenzene (S)	%.	96	80-114	12/16/14 01:16	
Dibromofluoromethane (S)	%.	102	79-116	12/16/14 01:16	
Toluene-d8 (S)	%.	97	81-110	12/16/14 01:16	

LABORATORY CONTROL SAMPLE: 1207841

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	45.0	90	74-122	
Ethylbenzene	ug/L	50	49.2	98	66-133	
Toluene	ug/L	50	45.9	92	72-122	
Xylene (Total)	ug/L	150	151	101	70-124	
4-Bromofluorobenzene (S)	%.			103	80-114	
Dibromofluoromethane (S)	%.			97	79-116	
Toluene-d8 (S)	%.			99	81-110	

MATRIX SPIKE SAMPLE: 1207843

Parameter	Units	50108189008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	ND	50	41.4	83	62-129	
Ethylbenzene	ug/L	ND	50	45.0	87	28-153	
Toluene	ug/L	ND	50	40.7	81	50-132	
Xylene (Total)	ug/L	ND	150	136	91	29-145	
4-Bromofluorobenzene (S)	%.				102	80-114	
Dibromofluoromethane (S)	%.				98	79-116	
Toluene-d8 (S)	%.				98	81-110	

SAMPLE DUPLICATE: 1207842

Parameter	Units	50108189006 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108189

SAMPLE DUPLICATE: 1207842

Parameter	Units	50108189006 Result	Dup Result	RPD	Max RPD	Qualifiers
Toluene	ug/L	ND	ND		20	
Xylene (Total)	ug/L	ND	ND		20	
4-Bromofluorobenzene (S)	%.	101	96	5		
Dibromofluoromethane (S)	%.	105	103	2		
Toluene-d8 (S)	%.	96	97	0		

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108189

QC Batch: OEXT/37640 | Analysis Method: EPA 8270 by SIM LVE
QC Batch Method: EPA 3510 | Analysis Description: 8270 Water PAH LV by SIM MSSV
Associated Lab Samples: 50108189001, 50108189002

METHOD BLANK: 1200332 | Matrix: Water
Associated Lab Samples: 50108189001, 50108189002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	1.0	12/06/14 03:09	
Acenaphthylene	ug/L	ND	1.0	12/06/14 03:09	
Anthracene	ug/L	ND	0.10	12/06/14 03:09	
Benzo(a)anthracene	ug/L	ND	0.10	12/06/14 03:09	
Benzo(a)pyrene	ug/L	ND	0.10	12/06/14 03:09	
Benzo(b)fluoranthene	ug/L	ND	0.10	12/06/14 03:09	
Benzo(g,h,i)perylene	ug/L	ND	0.10	12/06/14 03:09	
Benzo(k)fluoranthene	ug/L	ND	0.10	12/06/14 03:09	
Chrysene	ug/L	ND	0.50	12/06/14 03:09	
Dibenz(a,h)anthracene	ug/L	ND	0.10	12/06/14 03:09	
Fluoranthene	ug/L	ND	1.0	12/06/14 03:09	
Fluorene	ug/L	ND	1.0	12/06/14 03:09	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	12/06/14 03:09	
Naphthalene	ug/L	ND	1.0	12/06/14 03:09	
Phenanthrene	ug/L	ND	1.0	12/06/14 03:09	
Pyrene	ug/L	ND	1.0	12/06/14 03:09	
2-Fluorobiphenyl (S)	%.	50	21-114	12/06/14 03:09	
p-Terphenyl-d14 (S)	%.	119	25-131	12/06/14 03:09	

LABORATORY CONTROL SAMPLE: 1200333

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	10	6.7	67	39-117	
Acenaphthylene	ug/L	10	6.5	65	40-120	
Anthracene	ug/L	10	8.3	83	48-126	
Benzo(a)anthracene	ug/L	10	10.1	101	51-134	
Benzo(a)pyrene	ug/L	10	12.2	122	48-141	
Benzo(b)fluoranthene	ug/L	10	11.8	118	49-139	
Benzo(g,h,i)perylene	ug/L	10	10.5	105	44-134	
Benzo(k)fluoranthene	ug/L	10	12.4	124	48-140	
Chrysene	ug/L	10	11.3	113	53-136	
Dibenz(a,h)anthracene	ug/L	10	9.6	96	44-132	
Fluoranthene	ug/L	10	9.5	95	50-135	
Fluorene	ug/L	10	7.2	72	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	9.9	99	45-132	
Naphthalene	ug/L	10	5.0	50	30-112	
Phenanthrene	ug/L	10	7.9	79	47-128	
Pyrene	ug/L	10	10.6	106	50-134	
2-Fluorobiphenyl (S)	%.			58	21-114	
p-Terphenyl-d14 (S)	%.			113	25-131	

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108189

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1200334 1200335

Parameter	Units	50108191001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	ND	10	10	6.9	6.4	69	64	28-116	7	20	
Acenaphthylene	ug/L	ND	10	10	6.7	6.2	67	62	34-115	8	20	
Anthracene	ug/L	ND	10	10	8.2	7.6	82	76	39-121	8	20	
Benzo(a)anthracene	ug/L	ND	10	10	8.7	8.4	87	84	31-127	3	20	
Benzo(a)pyrene	ug/L	ND	10	10	7.6	7.8	76	78	10-121	3	20	
Benzo(b)fluoranthene	ug/L	ND	10	10	6.8	7.0	68	70	10-119	2	20	
Benzo(g,h,i)perylene	ug/L	ND	10	10	5.1	5.6	51	56	10-108	10	20	
Benzo(k)fluoranthene	ug/L	ND	10	10	8.3	8.8	83	88	10-118	6	20	
Chrysene	ug/L	ND	10	10	10.2	9.7	102	97	32-127	6	20	
Dibenz(a,h)anthracene	ug/L	ND	10	10	4.4	5.0	44	50	10-104	12	20	
Fluoranthene	ug/L	ND	10	10	9.1	8.6	91	86	38-131	6	20	
Fluorene	ug/L	ND	10	10	7.3	6.7	73	67	33-121	9	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10	10	4.7	5.2	47	52	10-108	11	20	
Naphthalene	ug/L	ND	10	10	5.8	6.0	58	60	16-119	4	20	
Phenanthrene	ug/L	ND	10	10	7.9	7.2	79	72	32-130	9	20	
Pyrene	ug/L	ND	10	10	10.8	10.2	108	102	39-131	5	20	
2-Fluorobiphenyl (S)	%.						63	56	21-114			
p-Terphenyl-d14 (S)	%.						106	103	25-131			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1200336 1200337

Parameter	Units	50108191002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	ND	10	10	6.5	6.3	65	62	28-116	4	20	
Acenaphthylene	ug/L	ND	10	10	6.4	6.1	64	61	34-115	5	20	
Anthracene	ug/L	ND	10	10	7.4	7.5	74	75	39-121	0	20	
Benzo(a)anthracene	ug/L	ND	10	10	8.3	8.3	83	83	31-127	0	20	
Benzo(a)pyrene	ug/L	ND	10	10	8.9	8.7	89	87	10-121	2	20	
Benzo(b)fluoranthene	ug/L	ND	10	10	8.1	7.8	81	78	10-119	4	20	
Benzo(g,h,i)perylene	ug/L	ND	10	10	6.1	5.2	61	52	10-108	16	20	
Benzo(k)fluoranthene	ug/L	ND	10	10	9.5	9.3	95	93	10-118	2	20	
Chrysene	ug/L	ND	10	10	9.4	9.6	94	96	32-127	2	20	
Dibenz(a,h)anthracene	ug/L	ND	10	10	5.3	4.3	53	43	10-104	20	20	
Fluoranthene	ug/L	ND	10	10	8.6	8.6	86	86	38-131	1	20	
Fluorene	ug/L	ND	10	10	7.0	6.8	69	67	33-121	3	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10	10	5.6	4.8	56	48	10-108	17	20	
Naphthalene	ug/L	ND	10	10	6.3	5.9	61	57	16-119	7	20	
Phenanthrene	ug/L	ND	10	10	7.5	7.4	75	74	32-130	1	20	
Pyrene	ug/L	ND	10	10	10.2	10.3	102	103	39-131	0	20	
2-Fluorobiphenyl (S)	%.						55	55	21-114			
p-Terphenyl-d14 (S)	%.						101	97	25-131			

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108189

QC Batch: OEXT/37646 | Analysis Method: EPA 8270 by SIM LVE
QC Batch Method: EPA 3510 | Analysis Description: 8270 Water PAH LV by SIM MSSV
Associated Lab Samples: 50108189003, 50108189004, 50108189005, 50108189006, 50108189007, 50108189008

METHOD BLANK: 1200524 | Matrix: Water
Associated Lab Samples: 50108189003, 50108189004, 50108189005, 50108189006, 50108189007, 50108189008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	1.0	12/06/14 10:49	
Acenaphthylene	ug/L	ND	1.0	12/06/14 10:49	
Anthracene	ug/L	ND	0.10	12/06/14 10:49	
Benzo(a)anthracene	ug/L	ND	0.10	12/06/14 10:49	
Benzo(a)pyrene	ug/L	ND	0.10	12/06/14 10:49	
Benzo(b)fluoranthene	ug/L	ND	0.10	12/06/14 10:49	
Benzo(g,h,i)perylene	ug/L	ND	0.10	12/06/14 10:49	
Benzo(k)fluoranthene	ug/L	ND	0.10	12/06/14 10:49	
Chrysene	ug/L	ND	0.50	12/06/14 10:49	
Dibenz(a,h)anthracene	ug/L	ND	0.10	12/06/14 10:49	
Fluoranthene	ug/L	ND	1.0	12/06/14 10:49	
Fluorene	ug/L	ND	1.0	12/06/14 10:49	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	12/06/14 10:49	
Naphthalene	ug/L	ND	1.0	12/06/14 10:49	
Phenanthrene	ug/L	ND	1.0	12/06/14 10:49	
Pyrene	ug/L	ND	1.0	12/06/14 10:49	
2-Fluorobiphenyl (S)	%.	54	21-114	12/06/14 10:49	
p-Terphenyl-d14 (S)	%.	117	25-131	12/06/14 10:49	

LABORATORY CONTROL SAMPLE: 1200525

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	10	6.9	69	39-117	
Acenaphthylene	ug/L	10	6.8	68	40-120	
Anthracene	ug/L	10	8.6	86	48-126	
Benzo(a)anthracene	ug/L	10	10.3	103	51-134	
Benzo(a)pyrene	ug/L	10	11.6	116	48-141	
Benzo(b)fluoranthene	ug/L	10	11.4	114	49-139	
Benzo(g,h,i)perylene	ug/L	10	8.9	89	44-134	
Benzo(k)fluoranthene	ug/L	10	11.5	115	48-140	
Chrysene	ug/L	10	11.6	116	53-136	
Dibenz(a,h)anthracene	ug/L	10	8.1	81	44-132	
Fluoranthene	ug/L	10	9.8	98	50-135	
Fluorene	ug/L	10	7.5	75	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	8.4	84	45-132	
Naphthalene	ug/L	10	5.7	57	30-112	
Phenanthrene	ug/L	10	8.2	82	47-128	
Pyrene	ug/L	10	11.3	113	50-134	
2-Fluorobiphenyl (S)	%.			59	21-114	
p-Terphenyl-d14 (S)	%.			117	25-131	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108189

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1200526 1200527

Parameter	Units	50108191003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	ND	10	10	6.4	6.9	64	69	28-116	8	20	
Acenaphthylene	ug/L	ND	10	10	6.2	6.7	62	67	34-115	9	20	
Anthracene	ug/L	ND	10	10	7.7	7.6	77	76	39-121	2	20	
Benzo(a)anthracene	ug/L	ND	10	10	7.4	6.7	74	67	31-127	10	20	
Benzo(a)pyrene	ug/L	ND	10	10	6.0	4.8	60	48	10-121	22	20	R1
Benzo(b)fluoranthene	ug/L	ND	10	10	5.4	4.6	54	46	10-119	16	20	
Benzo(g,h,i)perylene	ug/L	ND	10	10	3.6	2.8	36	28	10-108	23	20	R1
Benzo(k)fluoranthene	ug/L	ND	10	10	6.6	5.2	66	52	10-118	24	20	R1
Chrysene	ug/L	ND	10	10	8.4	7.2	84	72	32-127	16	20	
Dibenz(a,h)anthracene	ug/L	ND	10	10	3.2	2.6	32	26	10-104	22	20	R1
Fluoranthene	ug/L	ND	10	10	8.8	8.2	88	82	38-131	7	20	
Fluorene	ug/L	ND	10	10	6.7	6.9	67	69	33-121	3	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10	10	3.4	2.7	34	27	10-108	21	20	R1
Naphthalene	ug/L	ND	10	10	5.8	6.4	58	64	16-119	10	20	
Phenanthrene	ug/L	ND	10	10	7.5	7.4	75	74	32-130	1	20	
Pyrene	ug/L	ND	10	10	10.3	9.8	103	98	39-131	5	20	
2-Fluorobiphenyl (S)	%.						56	65	21-114			
p-Terphenyl-d14 (S)	%.						95	83	25-131			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1200529 1200530

Parameter	Units	50108191004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	ND	10	10	6.7	6.3	67	63	28-116	6	20	
Acenaphthylene	ug/L	ND	10	10	6.6	6.1	66	61	34-115	8	20	
Anthracene	ug/L	ND	10	10	7.0	7.6	70	76	39-121	8	20	
Benzo(a)anthracene	ug/L	ND	10	10	6.2	7.2	62	72	31-127	15	20	
Benzo(a)pyrene	ug/L	ND	10	10	5.0	6.2	50	62	10-121	21	20	R1
Benzo(b)fluoranthene	ug/L	ND	10	10	4.5	5.8	45	58	10-119	25	20	R1
Benzo(g,h,i)perylene	ug/L	ND	10	10	3.0	3.7	30	37	10-108	24	20	R1
Benzo(k)fluoranthene	ug/L	ND	10	10	5.5	6.7	55	67	10-118	20	20	R1
Chrysene	ug/L	ND	10	10	6.8	8.1	68	81	32-127	17	20	
Dibenz(a,h)anthracene	ug/L	ND	10	10	2.6	3.3	26	33	10-104	24	20	R1
Fluoranthene	ug/L	ND	10	10	7.7	8.6	77	86	38-131	12	20	
Fluorene	ug/L	ND	10	10	6.9	6.8	69	68	33-121	1	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10	10	2.8	3.5	28	35	10-108	24	20	R1
Naphthalene	ug/L	ND	10	10	6.3	5.1	63	51	16-119	21	20	R1
Phenanthrene	ug/L	ND	10	10	7.0	7.4	70	74	32-130	5	20	
Pyrene	ug/L	ND	10	10	9.2	10.2	92	102	39-131	10	20	
2-Fluorobiphenyl (S)	%.						65	57	21-114			
p-Terphenyl-d14 (S)	%.						78	87	25-131			

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108189

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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 (8270 listed analyte) decomposes to Azobenzene.

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

R1 RPD value was outside control limits.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108189

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50108189001	**BPIT-OW32-120214**	EPA 3510	OEXT/37640	EPA 8270 by SIM LVE	MSSV/16698
50108189002	**BPIT-OW33-120214**	EPA 3510	OEXT/37640	EPA 8270 by SIM LVE	MSSV/16698
50108189003	**BPIT-DHW51-120314**	EPA 3510	OEXT/37646	EPA 8270 by SIM LVE	MSSV/16699
50108189004	**BPIT-OW06-120314**	EPA 3510	OEXT/37646	EPA 8270 by SIM LVE	MSSV/16699
50108189005	**BPIT-RW03A-120314**	EPA 3510	OEXT/37646	EPA 8270 by SIM LVE	MSSV/16699
50108189006	**BPIT-DHW87-120314**	EPA 3510	OEXT/37646	EPA 8270 by SIM LVE	MSSV/16699
50108189007	**BPIT-OW36-120314**	EPA 3510	OEXT/37646	EPA 8270 by SIM LVE	MSSV/16699
50108189008	**BPIT-DHW86-120314**	EPA 3510	OEXT/37646	EPA 8270 by SIM LVE	MSSV/16699
50108189001	**BPIT-OW32-120214**	EPA 8260	MSV/71867		
50108189002	**BPIT-OW33-120214**	EPA 8260	MSV/71867		
50108189003	**BPIT-DHW51-120314**	EPA 8260	MSV/71867		
50108189004	**BPIT-OW06-120314**	EPA 8260	MSV/71867		
50108189005	**BPIT-RW03A-120314**	EPA 8260	MSV/71867		
50108189006	**BPIT-DHW87-120314**	EPA 8260	MSV/71867		
50108189007	**BPIT-OW36-120314**	EPA 8260	MSV/71867		
50108189008	**BPIT-DHW86-120314**	EPA 8260	MSV/71867		

Laboratory Management Program LaMP Chain of Custody Record

bp rm

Page 1 of 1

BP Site Node Path: BP > USA > IN > Marion > Indianapolis Termina

BP Facility No: # 215

Req Due Date (mm/dd/yy): Standard

Rush TAT: Yes ___ No X

Lab Work Order Number: 50108189

Lab Name:	Pace Analytical	Facility Address:	2500 North Tibbs Ave.	Consultant/Contractor:	Stantec Consulting Corp.
Lab Address:	7726 Moller Road, Indianapolis, IN 46268	City, State, ZIP Code:	Indianapolis, IN 46222	Consultant/Contractor Project No:	182612301.601.681
Lab PM:	Tina Sayer	Lead Regulatory Agency:	EPA	Address:	8770 Guion Rd., Suite B, Indianapolis, IN 46268
Lab Phone:	317-875-5894	California Global ID No.:		Consultant/Contractor PM:	Kyle Amberger
Lab Shipping Accnt:		Enfos Proposal No:	007VX-0017	Phone:	317-876-8375 x 240 Email: kyle.amberger@stantec.com
Lab Bottle Order No:		Accounting Mode:	Provision X OOC-BU ___ OOC-RM ___	Email EDD To:	Kyle Amberger and to lab.enfosdoc@bp.com
Other Info:		Stage:	OMM 60 Activity: Project Spend 81	Invoice To:	BP X Contractor ___
BP Project Manager (PM):	Bruno Mancini				
BP PM Phone:	216-271-8852				
BP PM Email:	bruno.mancini@bp.com				

Report Type & QC Level: Standard ___ Full Data Package X

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	BTEX by 8260	PAHs by 8270SIM	Comments
001	BPIT-OW32-120214	12/2/14	1530					5	2			3		X	X	
002	BPIT-OW33-120214	12/2/14	1635					5	2			3		X	X	
003	BPIT-DHW51-120314	12/3/14	1350					5	2			3		X	X	
004	BPIT-OW06-120314	12/3/14	1027					5	2			3		X	X	
005	BPIT-RW03A-120314	12/3/14	1120					5	2			3		X	X	
006	BPIT DHW87-120314	12/3/14	1410					5	2			3		X	X	
007	BPIT-OW36-120314	12/3/14	1611					5	2			3		X	X	
008	BPIT-DHW86-120314	12/3/14	1510					5	2			3		X	X	

Comments: Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

Sampler's Name: Neil DuKoenez

Sampler's Company: Stantec

Shipment Method: Pick-up Ship Date: 12/4/14

Shipment Tracking No: None

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Neil DuKoenez / Stantec	12/3/14	1800	[illegible] / Stantec	12/3/14	1800
[illegible] / Stantec	12/4/14	1015	[illegible] / PACE	12/4/14	1015

Special Instructions: LEVEL 4 DATA

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 0.5 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

BP Remediation Management COC - Effective Dates: August 16, 2011- June 30, 2012

BP LaMP COC Rev. 7, Jul 29, 2010

WF / Pace Lee 12-4-14 1045

0.3

Sample Condition Upon Receipt

Pace Analytical

Client Name: Stantec Project # 50108189

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other _____

Tracking #: _____

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

Date/Time 5035A kits placed in freezer _____

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☒ Other foam

Thermometer 1 2 3 4 5 6 A B C D E F **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 0.5°c, 0.3°c **Ice Visible in Sample Containers:** ☐ yes ☒ no
(Corrected, if applicable)

Temp should be above freezing to 6°C

Date and Initials of person examining contents: KEE 12-4-14

				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 & Signature on COC:	☒Yes	☐No	☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes	☒No	☐N/A	5.
Rush Turn Around Time Requested:	☐Yes	☒No	☐N/A	6.
Containers Intact:	☒Yes	☐No	☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☒Yes	☐No	☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.	☐Yes	☐No	☒N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
Headspace in VOA Vials (>6mm):	☐Yes	☒No	☐N/A	10.
Trip Blank Present:	☐Yes	☒No	☐N/A	11.
Trip Blank Custody Seals Present	☐Yes	☐No	☒N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	12.
Sufficient Volume:	☒Yes	☐No	☐N/A	13.
Correct Containers Used:	☒Yes	☐No	☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: T. Sayer **Date:** 12/4/14

Sample Container Count

Pace Analytical
www.pacelabs.com

CLIENT: Stantec

COC PAGE 1 of 1

COC ID#

Project # 50108189

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST		pH <2	pH>12	Comments
1	3			2																	
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

December 22, 2014

Mr. Kyle Amberger
Stantec
8770 Guion Rd
Suite B
Indianapolis, IN 46268

RE: Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

Dear Mr. Amberger:
Enclosed are the analytical results for sample(s) received by the laboratory on December 04, 2014. 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.

Revised Report. OW85 changed to DHW85 due to lab PM error. 12/22/14tms

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

Sincerely,

Tina Sayer

Tina Sayer
tina.sayer@pacelabs.com
Project Manager

Enclosures

cc: Mr. Ryan Julien, Stantec

CERTIFICATIONS

Project:	Indianapolis Terminal BP#215
Pace Project No.:	50108191

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky UST Certification #: 0042
Louisiana/NELAP Certification #: 04076
Ohio VAP Certification #: CL-0065
West Virginia Certification #: 330

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50108191001	**BPIT-DHW115-120214**	Water	12/02/14 12:07	12/04/14 10:15
50108191002	**BPIT-DHW64-120214**	Water	12/02/14 13:15	12/04/14 10:15
50108191003	**BPIT-DHW83-120214**	Water	12/02/14 16:00	12/04/14 10:15
50108191004	**BPIT-DHW82-120214**	Water	12/02/14 14:35	12/04/14 10:15
50108191005	**BPIT-DHW81-120214**	Water	12/02/14 11:25	12/04/14 10:15
50108191006	**BPIT-DHW78-120314**	Water	12/03/14 11:44	12/04/14 10:15
50108191007	**BPIT-OW26-120314**	Water	12/03/14 10:16	12/04/14 10:15
50108191008	**BPIT-DHW85-120314**	Water	12/03/14 16:30	12/04/14 10:15
50108191009	**BPIT-DUP01-120314**	Water	12/03/14 08:00	12/04/14 10:15
50108191010	**BPIT-EB01-120214**	Water	12/02/14 17:00	12/04/14 10:15
50108191011	**BPIT-EB02-120214**	Water	12/02/14 17:00	12/04/14 10:15
50108191012	**BPIT-EB03-120314**	Water	12/03/14 17:00	12/04/14 10:15
50108191013	**BPIT-EB04-120314**	Water	12/03/14 17:00	12/04/14 10:15
50108191014	**BPIT-TripBlank01-120214**	Water	12/03/14 08:00	12/04/14 10:15

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50108191001	**BPIT-DHW115-120214**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	JLZ	7
50108191002	**BPIT-DHW64-120214**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	JLZ	7
50108191003	**BPIT-DHW83-120214**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	JLZ	7
50108191004	**BPIT-DHW82-120214**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	JLZ	7
50108191005	**BPIT-DHW81-120214**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	JLZ	7
50108191006	**BPIT-DHW78-120314**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	JLZ	7
50108191007	**BPIT-OW26-120314**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	JLZ	7
50108191008	**BPIT-DHW85-120314**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	JLZ	7
50108191009	**BPIT-DUP01-120314**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	JLZ	7
50108191010	**BPIT-EB01-120214**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	JLZ	7
50108191011	**BPIT-EB02-120214**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	JLZ	7
50108191012	**BPIT-EB03-120314**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	JLZ	7
50108191013	**BPIT-EB04-120314**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	JLZ	7
50108191014	**BPIT-TripBlank01-120214**	EPA 8260	JLZ	7

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

Sample: BPIT-DHW115-120214 **Lab ID: 50108191001** Collected: 12/02/14 12:07 Received: 12/04/14 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 05:48	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 05:48	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 05:48	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 05:48	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 05:48	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 05:48	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 05:48	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 05:48	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/05/14 09:16	12/06/14 05:48	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 05:48	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 05:48	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 05:48	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 05:48	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 05:48	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 05:48	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 05:48	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	54	%.	21-114	1	12/05/14 09:16	12/06/14 05:48	321-60-8	
p-Terphenyl-d14 (S)	105	%.	25-131	1	12/05/14 09:16	12/06/14 05:48	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/11/14 15:57	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/11/14 15:57	100-41-4	
Toluene	ND	ug/L	5.0	1		12/11/14 15:57	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/11/14 15:57	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	79-116	1		12/11/14 15:57	1868-53-7	
Toluene-d8 (S)	91	%.	81-110	1		12/11/14 15:57	2037-26-5	
4-Bromofluorobenzene (S)	92	%.	80-114	1		12/11/14 15:57	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

Sample: BPIT-DHW64-120214 **Lab ID: 50108191002** Collected: 12/02/14 13:15 Received: 12/04/14 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 06:41	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 06:41	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 06:41	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 06:41	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 06:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 06:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 06:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 06:41	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/05/14 09:16	12/06/14 06:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 06:41	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 06:41	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 06:41	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 06:41	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 06:41	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 06:41	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 06:41	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	57	%.	21-114	1	12/05/14 09:16	12/06/14 06:41	321-60-8	
p-Terphenyl-d14 (S)	103	%.	25-131	1	12/05/14 09:16	12/06/14 06:41	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/14/14 05:31	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/14/14 05:31	100-41-4	
Toluene	**9.0**	ug/L	5.0	1		12/14/14 05:31	108-88-3	
Xylene (Total)	**5.2J**	ug/L	10.0	1		12/14/14 05:31	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	79-116	1		12/14/14 05:31	1868-53-7	
Toluene-d8 (S)	91	%.	81-110	1		12/14/14 05:31	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	80-114	1		12/14/14 05:31	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

Sample: BPIT-DHW83-120214 **Lab ID: 50108191003** Collected: 12/02/14 16:00 Received: 12/04/14 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 11:24	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 11:24	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 11:24	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 11:24	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 11:24	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 11:24	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 11:24	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 11:24	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/05/14 12:09	12/06/14 11:24	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 11:24	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 11:24	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 11:24	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 11:24	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 11:24	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 11:24	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 11:24	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	55	%.	21-114	1	12/05/14 12:09	12/06/14 11:24	321-60-8	
p-Terphenyl-d14 (S)	89	%.	25-131	1	12/05/14 12:09	12/06/14 11:24	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/13/14 14:35	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/13/14 14:35	100-41-4	
Toluene	ND	ug/L	5.0	1		12/13/14 14:35	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/13/14 14:35	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	108	%.	79-116	1		12/13/14 14:35	1868-53-7	
Toluene-d8 (S)	86	%.	81-110	1		12/13/14 14:35	2037-26-5	
4-Bromofluorobenzene (S)	90	%.	80-114	1		12/13/14 14:35	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

Sample: BPIT-DHW82-120214 **Lab ID: 50108191004** Collected: 12/02/14 14:35 Received: 12/04/14 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 12:17	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 12:17	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 12:17	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 12:17	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 12:17	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 12:17	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 12:17	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 12:17	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/05/14 12:09	12/06/14 12:17	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 12:17	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 12:17	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 12:17	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 12:17	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 12:17	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 12:17	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 12:17	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	51	%.	21-114	1	12/05/14 12:09	12/06/14 12:17	321-60-8	
p-Terphenyl-d14 (S)	81	%.	25-131	1	12/05/14 12:09	12/06/14 12:17	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/13/14 15:49	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/13/14 15:49	100-41-4	
Toluene	ND	ug/L	5.0	1		12/13/14 15:49	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/13/14 15:49	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	79-116	1		12/13/14 15:49	1868-53-7	
Toluene-d8 (S)	87	%.	81-110	1		12/13/14 15:49	2037-26-5	
4-Bromofluorobenzene (S)	93	%.	80-114	1		12/13/14 15:49	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

Sample: BPIT-DHW81-120214 **Lab ID: 50108191005** Collected: 12/02/14 11:25 Received: 12/04/14 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/05/14 14:42	12/09/14 21:20	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/05/14 14:42	12/09/14 21:20	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/05/14 14:42	12/09/14 21:20	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/05/14 14:42	12/09/14 21:20	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/05/14 14:42	12/09/14 21:20	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/05/14 14:42	12/09/14 21:20	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/05/14 14:42	12/09/14 21:20	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/05/14 14:42	12/09/14 21:20	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/05/14 14:42	12/09/14 21:20	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/05/14 14:42	12/09/14 21:20	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/05/14 14:42	12/09/14 21:20	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/05/14 14:42	12/09/14 21:20	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/05/14 14:42	12/09/14 21:20	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/05/14 14:42	12/09/14 21:20	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/05/14 14:42	12/09/14 21:20	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/05/14 14:42	12/09/14 21:20	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	46	%.	21-114	1	12/05/14 14:42	12/09/14 21:20	321-60-8	
p-Terphenyl-d14 (S)	70	%.	25-131	1	12/05/14 14:42	12/09/14 21:20	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/13/14 17:04	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/13/14 17:04	100-41-4	
Toluene	ND	ug/L	5.0	1		12/13/14 17:04	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/13/14 17:04	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		12/13/14 17:04	1868-53-7	
Toluene-d8 (S)	87	%.	81-110	1		12/13/14 17:04	2037-26-5	
4-Bromofluorobenzene (S)	92	%.	80-114	1		12/13/14 17:04	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

Sample: BPIT-DHW78-120314 **Lab ID: 50108191006** Collected: 12/03/14 11:44 Received: 12/04/14 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/05/14 14:42	12/09/14 22:12	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/05/14 14:42	12/09/14 22:12	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/05/14 14:42	12/09/14 22:12	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/05/14 14:42	12/09/14 22:12	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/05/14 14:42	12/09/14 22:12	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/05/14 14:42	12/09/14 22:12	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/05/14 14:42	12/09/14 22:12	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/05/14 14:42	12/09/14 22:12	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/05/14 14:42	12/09/14 22:12	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/05/14 14:42	12/09/14 22:12	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/05/14 14:42	12/09/14 22:12	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/05/14 14:42	12/09/14 22:12	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/05/14 14:42	12/09/14 22:12	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/05/14 14:42	12/09/14 22:12	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/05/14 14:42	12/09/14 22:12	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/05/14 14:42	12/09/14 22:12	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	42	%.	21-114	1	12/05/14 14:42	12/09/14 22:12	321-60-8	
p-Terphenyl-d14 (S)	67	%.	25-131	1	12/05/14 14:42	12/09/14 22:12	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/14/14 06:46	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/14/14 06:46	100-41-4	
Toluene	ND	ug/L	5.0	1		12/14/14 06:46	108-88-3	
Xylene (Total)	**8.0J**	ug/L	10.0	1		12/14/14 06:46	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	79-116	1		12/14/14 06:46	1868-53-7	
Toluene-d8 (S)	91	%.	81-110	1		12/14/14 06:46	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	80-114	1		12/14/14 06:46	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

Sample: BPIT-OW26-120314 **Lab ID: 50108191007** Collected: 12/03/14 10:16 Received: 12/04/14 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/05/14 14:42	12/09/14 23:05	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/05/14 14:42	12/09/14 23:05	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/05/14 14:42	12/09/14 23:05	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/05/14 14:42	12/09/14 23:05	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/05/14 14:42	12/09/14 23:05	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/05/14 14:42	12/09/14 23:05	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/05/14 14:42	12/09/14 23:05	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/05/14 14:42	12/09/14 23:05	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/05/14 14:42	12/09/14 23:05	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/05/14 14:42	12/09/14 23:05	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/05/14 14:42	12/09/14 23:05	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/05/14 14:42	12/09/14 23:05	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/05/14 14:42	12/09/14 23:05	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/05/14 14:42	12/09/14 23:05	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/05/14 14:42	12/09/14 23:05	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/05/14 14:42	12/09/14 23:05	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	43	%.	21-114	1	12/05/14 14:42	12/09/14 23:05	321-60-8	
p-Terphenyl-d14 (S)	76	%.	25-131	1	12/05/14 14:42	12/09/14 23:05	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/13/14 18:18	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/13/14 18:18	100-41-4	
Toluene	ND	ug/L	5.0	1		12/13/14 18:18	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/13/14 18:18	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		12/13/14 18:18	1868-53-7	
Toluene-d8 (S)	88	%.	81-110	1		12/13/14 18:18	2037-26-5	
4-Bromofluorobenzene (S)	94	%.	80-114	1		12/13/14 18:18	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

Sample: BPIT-DHW85-120314 **Lab ID: 50108191008** Collected: 12/03/14 16:30 Received: 12/04/14 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**0.99J**	ug/L	1.0	1	12/05/14 12:09	12/06/14 15:49	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 15:49	208-96-8	
Anthracene	**0.061J**	ug/L	0.10	1	12/05/14 12:09	12/06/14 15:49	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 15:49	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 15:49	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 15:49	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 15:49	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 15:49	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/05/14 12:09	12/06/14 15:49	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 15:49	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 15:49	206-44-0	
Fluorene	**1.0**	ug/L	1.0	1	12/05/14 12:09	12/06/14 15:49	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 15:49	193-39-5	
Naphthalene	**58.9**	ug/L	10.0	10	12/05/14 12:09	12/09/14 19:34	91-20-3	
Phenanthrene	**0.63J**	ug/L	1.0	1	12/05/14 12:09	12/06/14 15:49	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 15:49	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	54	%.	21-114	1	12/05/14 12:09	12/06/14 15:49	321-60-8	
p-Terphenyl-d14 (S)	95	%.	25-131	1	12/05/14 12:09	12/06/14 15:49	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**3280**	ug/L	125	25		12/13/14 19:57	71-43-2	
Ethylbenzene	**397**	ug/L	125	25		12/13/14 19:57	100-41-4	
Toluene	**16.2**	ug/L	5.0	1		12/13/14 19:33	108-88-3	
Xylene (Total)	**137**	ug/L	10.0	1		12/13/14 19:33	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	93	%.	79-116	1		12/13/14 19:33	1868-53-7	
Toluene-d8 (S)	90	%.	81-110	1		12/13/14 19:33	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	80-114	1		12/13/14 19:33	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

Sample: BPIT-DUP01-120314 **Lab ID: 50108191009** Collected: 12/03/14 08:00 Received: 12/04/14 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**1.0**	ug/L	1.0	1	12/05/14 12:09	12/06/14 16:07	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 16:07	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 16:07	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 16:07	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 16:07	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 16:07	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 16:07	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 16:07	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/05/14 12:09	12/06/14 16:07	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 16:07	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 16:07	206-44-0	
Fluorene	**1.0**	ug/L	1.0	1	12/05/14 12:09	12/06/14 16:07	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 16:07	193-39-5	
Naphthalene	**61.2**	ug/L	10.0	10	12/05/14 12:09	12/09/14 19:51	91-20-3	
Phenanthrene	**0.63J**	ug/L	1.0	1	12/05/14 12:09	12/06/14 16:07	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 16:07	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	56	%.	21-114	1	12/05/14 12:09	12/06/14 16:07	321-60-8	
p-Terphenyl-d14 (S)	93	%.	25-131	1	12/05/14 12:09	12/06/14 16:07	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**2820**	ug/L	125	25		12/15/14 12:16	71-43-2	
Ethylbenzene	**350**	ug/L	125	25		12/15/14 12:16	100-41-4	
Toluene	**17.1**	ug/L	5.0	1		12/13/14 20:22	108-88-3	
Xylene (Total)	**146**	ug/L	10.0	1		12/13/14 20:22	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	93	%.	79-116	1		12/13/14 20:22	1868-53-7	
Toluene-d8 (S)	90	%.	81-110	1		12/13/14 20:22	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	80-114	1		12/13/14 20:22	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

Sample: BPIT-EB01-120214 **Lab ID: 50108191010** Collected: 12/02/14 17:00 Received: 12/04/14 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 07:34	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 07:34	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 07:34	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 07:34	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 07:34	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 07:34	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 07:34	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 07:34	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/05/14 09:16	12/06/14 07:34	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 07:34	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 07:34	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 07:34	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 07:34	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 07:34	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 07:34	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 07:34	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	53	%.	21-114	1	12/05/14 09:16	12/06/14 07:34	321-60-8	
p-Terphenyl-d14 (S)	119	%.	25-131	1	12/05/14 09:16	12/06/14 07:34	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/13/14 20:47	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/13/14 20:47	100-41-4	
Toluene	ND	ug/L	5.0	1		12/13/14 20:47	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/13/14 20:47	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	1		12/13/14 20:47	1868-53-7	
Toluene-d8 (S)	87	%.	81-110	1		12/13/14 20:47	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	80-114	1		12/13/14 20:47	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

Sample: BPIT-EB02-120214 **Lab ID: 50108191011** Collected: 12/02/14 17:00 Received: 12/04/14 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 08:27	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 08:27	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 08:27	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 08:27	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 08:27	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 08:27	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 08:27	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 08:27	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/05/14 09:16	12/06/14 08:27	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 08:27	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 08:27	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 08:27	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/05/14 09:16	12/06/14 08:27	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 08:27	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 08:27	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/05/14 09:16	12/06/14 08:27	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	47	%.	21-114	1	12/05/14 09:16	12/06/14 08:27	321-60-8	
p-Terphenyl-d14 (S)	112	%.	25-131	1	12/05/14 09:16	12/06/14 08:27	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/13/14 21:12	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/13/14 21:12	100-41-4	
Toluene	ND	ug/L	5.0	1		12/13/14 21:12	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/13/14 21:12	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	79-116	1		12/13/14 21:12	1868-53-7	
Toluene-d8 (S)	88	%.	81-110	1		12/13/14 21:12	2037-26-5	
4-Bromofluorobenzene (S)	95	%.	80-114	1		12/13/14 21:12	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

Sample: BPIT-EB03-120314 **Lab ID: 50108191012** Collected: 12/03/14 17:00 Received: 12/04/14 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 16:24	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 16:24	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 16:24	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 16:24	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 16:24	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 16:24	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 16:24	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 16:24	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/05/14 12:09	12/06/14 16:24	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 16:24	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 16:24	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 16:24	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 16:24	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 16:24	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 16:24	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 16:24	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	59	%.	21-114	1	12/05/14 12:09	12/06/14 16:24	321-60-8	
p-Terphenyl-d14 (S)	114	%.	25-131	1	12/05/14 12:09	12/06/14 16:24	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/13/14 21:37	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/13/14 21:37	100-41-4	
Toluene	ND	ug/L	5.0	1		12/13/14 21:37	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/13/14 21:37	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	1		12/13/14 21:37	1868-53-7	
Toluene-d8 (S)	89	%.	81-110	1		12/13/14 21:37	2037-26-5	
4-Bromofluorobenzene (S)	94	%.	80-114	1		12/13/14 21:37	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

Sample: BPIT-EB04-120314 **Lab ID: 50108191013** Collected: 12/03/14 17:00 Received: 12/04/14 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 16:42	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 16:42	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 16:42	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 16:42	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 16:42	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 16:42	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 16:42	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 16:42	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/05/14 12:09	12/06/14 16:42	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 16:42	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 16:42	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 16:42	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/05/14 12:09	12/06/14 16:42	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 16:42	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 16:42	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/05/14 12:09	12/06/14 16:42	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	58	%.	21-114	1	12/05/14 12:09	12/06/14 16:42	321-60-8	
p-Terphenyl-d14 (S)	113	%.	25-131	1	12/05/14 12:09	12/06/14 16:42	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/13/14 22:02	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/13/14 22:02	100-41-4	
Toluene	ND	ug/L	5.0	1		12/13/14 22:02	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/13/14 22:02	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	79-116	1		12/13/14 22:02	1868-53-7	
Toluene-d8 (S)	89	%.	81-110	1		12/13/14 22:02	2037-26-5	
4-Bromofluorobenzene (S)	93	%.	80-114	1		12/13/14 22:02	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

Sample: BPIT-TripBlank01-120214 **Lab ID: 50108191014** Collected: 12/03/14 08:00 Received: 12/04/14 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/13/14 22:27	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/13/14 22:27	100-41-4	
Toluene	ND	ug/L	5.0	1		12/13/14 22:27	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/13/14 22:27	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		12/13/14 22:27	1868-53-7	
Toluene-d8 (S)	89	%.	81-110	1		12/13/14 22:27	2037-26-5	
4-Bromofluorobenzene (S)	93	%.	80-114	1		12/13/14 22:27	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

QC Batch: MSV/71730 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 50108191001

METHOD BLANK: 1205119 — Matrix: Water
Associated Lab Samples: 50108191001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	5.0	12/11/14 12:58	
Ethylbenzene	ug/L	ND	5.0	12/11/14 12:58	
Toluene	ug/L	ND	5.0	12/11/14 12:58	
Xylene (Total)	ug/L	ND	10.0	12/11/14 12:58	
4-Bromofluorobenzene (S)	%.	93	80-114	12/11/14 12:58	
Dibromofluoromethane (S)	%.	99	79-116	12/11/14 12:58	
Toluene-d8 (S)	%.	92	81-110	12/11/14 12:58	

LABORATORY CONTROL SAMPLE: 1205120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	53.5	107	74-122	
Ethylbenzene	ug/L	50	55.9	112	66-133	
Toluene	ug/L	50	50.4	101	72-122	
Xylene (Total)	ug/L	150	167	112	70-124	
4-Bromofluorobenzene (S)	%.			100	80-114	
Dibromofluoromethane (S)	%.			101	79-116	
Toluene-d8 (S)	%.			93	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1205128 1205129

Parameter	Units	50108191001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	49.7	55.3	99	111	62-129	11	20	
Ethylbenzene	ug/L	ND	50	50	50.7	57.4	101	115	28-153	12	20	
Toluene	ug/L	ND	50	50	46.2	51.7	91	102	50-132	11	20	
Xylene (Total)	ug/L	ND	150	150	155	173	103	115	29-145	11	20	
4-Bromofluorobenzene (S)	%.						99	100	80-114			
Dibromofluoromethane (S)	%.						99	99	79-116			
Toluene-d8 (S)	%.						93	93	81-110			

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

QC Batch: MSV/71775 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 50108191003, 50108191004, 50108191005, 50108191007, 50108191008, 50108191009, 50108191010, 50108191011, 50108191012, 50108191013, 50108191014

METHOD BLANK: 1206291 — Matrix: Water
Associated Lab Samples: 50108191003, 50108191004, 50108191005, 50108191007, 50108191008, 50108191009, 50108191010, 50108191011, 50108191012, 50108191013, 50108191014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	5.0	12/13/14 12:55	
Ethylbenzene	ug/L	ND	5.0	12/13/14 12:55	
Toluene	ug/L	ND	5.0	12/13/14 12:55	
Xylene (Total)	ug/L	ND	10.0	12/13/14 12:55	
4-Bromofluorobenzene (S)	%.	92	80-114	12/13/14 12:55	
Dibromofluoromethane (S)	%.	102	79-116	12/13/14 12:55	
Toluene-d8 (S)	%.	88	81-110	12/13/14 12:55	

LABORATORY CONTROL SAMPLE: 1206292

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	52.0	104	74-122	
Ethylbenzene	ug/L	50	52.9	106	66-133	
Toluene	ug/L	50	47.2	94	72-122	
Xylene (Total)	ug/L	150	159	106	70-124	
4-Bromofluorobenzene (S)	%.			100	80-114	
Dibromofluoromethane (S)	%.			101	79-116	
Toluene-d8 (S)	%.			91	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1206293 1206294

Parameter	Units	50108191003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	58.8	54.2	118	108	62-129	8	20	
Ethylbenzene	ug/L	ND	50	50	59.5	55.4	119	111	28-153	7	20	
Toluene	ug/L	ND	50	50	53.7	49.5	107	99	50-132	8	20	
Xylene (Total)	ug/L	ND	150	150	182	168	121	112	29-145	8	20	
4-Bromofluorobenzene (S)	%.						101	100	80-114			
Dibromofluoromethane (S)	%.						103	102	79-116			
Toluene-d8 (S)	%.						91	91	81-110			

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1206295 1206296

Parameter	Units	50108191004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	54.3	54.6	109	109	62-129	0	20	
Ethylbenzene	ug/L	ND	50	50	55.6	56.0	111	112	28-153	1	20	
Toluene	ug/L	ND	50	50	49.6	49.1	99	98	50-132	1	20	
Xylene (Total)	ug/L	ND	150	150	168	167	112	111	29-145	1	20	
4-Bromofluorobenzene (S)	%.						103	101	80-114			
Dibromofluoromethane (S)	%.						101	102	79-116			
Toluene-d8 (S)	%.						91	89	81-110			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1206297 1206298

Parameter	Units	50108191005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	50.2	55.4	100	111	62-129	10	20	
Ethylbenzene	ug/L	ND	50	50	50.9	56.8	102	114	28-153	11	20	
Toluene	ug/L	ND	50	50	46.0	50.7	92	101	50-132	10	20	
Xylene (Total)	ug/L	ND	150	150	154	170	102	113	29-145	10	20	
4-Bromofluorobenzene (S)	%.						101	101	80-114			
Dibromofluoromethane (S)	%.						102	102	79-116			
Toluene-d8 (S)	%.						90	90	81-110			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1206299 1206300

Parameter	Units	50108191007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	47.0	56.2	94	112	62-129	18	20	
Ethylbenzene	ug/L	ND	50	50	49.5	56.6	99	113	28-153	14	20	
Toluene	ug/L	ND	50	50	44.2	50.5	88	101	50-132	13	20	
Xylene (Total)	ug/L	ND	150	150	149	170	99	113	29-145	13	20	
4-Bromofluorobenzene (S)	%.						103	101	80-114			
Dibromofluoromethane (S)	%.						101	101	79-116			
Toluene-d8 (S)	%.						91	89	81-110			

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

QC Batch: MSV/71776 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 50108191002, 50108191006

METHOD BLANK: 1206307 — Matrix: Water
Associated Lab Samples: 50108191002, 50108191006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	5.0	12/14/14 00:07	
Ethylbenzene	ug/L	ND	5.0	12/14/14 00:07	
Toluene	ug/L	ND	5.0	12/14/14 00:07	
Xylene (Total)	ug/L	ND	10.0	12/14/14 00:07	
4-Bromofluorobenzene (S)	%.	93	80-114	12/14/14 00:07	
Dibromofluoromethane (S)	%.	100	79-116	12/14/14 00:07	
Toluene-d8 (S)	%.	89	81-110	12/14/14 00:07	

LABORATORY CONTROL SAMPLE: 1206308

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	55.1	110	74-122	
Ethylbenzene	ug/L	50	55.8	112	66-133	
Toluene	ug/L	50	50.3	101	72-122	
Xylene (Total)	ug/L	150	168	112	70-124	
4-Bromofluorobenzene (S)	%.			100	80-114	
Dibromofluoromethane (S)	%.			100	79-116	
Toluene-d8 (S)	%.			91	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1206309 — 1206310

Parameter	Units	50108191002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	57.4	55.7	112	109	62-129	3	20	
Ethylbenzene	ug/L	ND	50	50	56.8	56.7	113	113	28-153	0	20	
Toluene	ug/L	9.0	50	50	60.0	57.3	102	97	50-132	5	20	
Xylene (Total)	ug/L	5.2J	150	150	177	174	115	113	29-145	2	20	
4-Bromofluorobenzene (S)	%.						99	101	80-114			
Dibromofluoromethane (S)	%.						99	98	79-116			
Toluene-d8 (S)	%.						90	91	81-110			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1206311 — 1206312

Parameter	Units	50108191006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	53.0	53.1	105	105	62-129	0	20	
Ethylbenzene	ug/L	ND	50	50	55.0	54.8	109	109	28-153	0	20	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1206311 1206312

Parameter	Units	50108191006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Toluene	ug/L	ND	50	50	49.6	49.0	98	97	50-132	1	20	
Xylene (Total)	ug/L	8.0J	150	150	174	174	111	111	29-145	0	20	
4-Bromofluorobenzene (S)	%.						100	100	80-114			
Dibromofluoromethane (S)	%.						97	97	79-116			
Toluene-d8 (S)	%.						90	90	81-110			

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

QC Batch: OEXT/37640 | Analysis Method: EPA 8270 by SIM LVE
QC Batch Method: EPA 3510 | Analysis Description: 8270 Water PAH LV by SIM MSSV
Associated Lab Samples: 50108191001, 50108191002, 50108191010, 50108191011

METHOD BLANK: 1200332 | Matrix: Water
Associated Lab Samples: 50108191001, 50108191002, 50108191010, 50108191011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	1.0	12/06/14 03:09	
Acenaphthylene	ug/L	ND	1.0	12/06/14 03:09	
Anthracene	ug/L	ND	0.10	12/06/14 03:09	
Benzo(a)anthracene	ug/L	ND	0.10	12/06/14 03:09	
Benzo(a)pyrene	ug/L	ND	0.10	12/06/14 03:09	
Benzo(b)fluoranthene	ug/L	ND	0.10	12/06/14 03:09	
Benzo(g,h,i)perylene	ug/L	ND	0.10	12/06/14 03:09	
Benzo(k)fluoranthene	ug/L	ND	0.10	12/06/14 03:09	
Chrysene	ug/L	ND	0.50	12/06/14 03:09	
Dibenz(a,h)anthracene	ug/L	ND	0.10	12/06/14 03:09	
Fluoranthene	ug/L	ND	1.0	12/06/14 03:09	
Fluorene	ug/L	ND	1.0	12/06/14 03:09	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	12/06/14 03:09	
Naphthalene	ug/L	ND	1.0	12/06/14 03:09	
Phenanthrene	ug/L	ND	1.0	12/06/14 03:09	
Pyrene	ug/L	ND	1.0	12/06/14 03:09	
2-Fluorobiphenyl (S)	%.	50	21-114	12/06/14 03:09	
p-Terphenyl-d14 (S)	%.	119	25-131	12/06/14 03:09	

LABORATORY CONTROL SAMPLE: 1200333

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	10	6.7	67	39-117	
Acenaphthylene	ug/L	10	6.5	65	40-120	
Anthracene	ug/L	10	8.3	83	48-126	
Benzo(a)anthracene	ug/L	10	10.1	101	51-134	
Benzo(a)pyrene	ug/L	10	12.2	122	48-141	
Benzo(b)fluoranthene	ug/L	10	11.8	118	49-139	
Benzo(g,h,i)perylene	ug/L	10	10.5	105	44-134	
Benzo(k)fluoranthene	ug/L	10	12.4	124	48-140	
Chrysene	ug/L	10	11.3	113	53-136	
Dibenz(a,h)anthracene	ug/L	10	9.6	96	44-132	
Fluoranthene	ug/L	10	9.5	95	50-135	
Fluorene	ug/L	10	7.2	72	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	9.9	99	45-132	
Naphthalene	ug/L	10	5.0	50	30-112	
Phenanthrene	ug/L	10	7.9	79	47-128	
Pyrene	ug/L	10	10.6	106	50-134	
2-Fluorobiphenyl (S)	%.			58	21-114	
p-Terphenyl-d14 (S)	%.			113	25-131	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1200334 1200335

Parameter	Units	50108191001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	ND	10	10	6.9	6.4	69	64	28-116	7	20	
Acenaphthylene	ug/L	ND	10	10	6.7	6.2	67	62	34-115	8	20	
Anthracene	ug/L	ND	10	10	8.2	7.6	82	76	39-121	8	20	
Benzo(a)anthracene	ug/L	ND	10	10	8.7	8.4	87	84	31-127	3	20	
Benzo(a)pyrene	ug/L	ND	10	10	7.6	7.8	76	78	10-121	3	20	
Benzo(b)fluoranthene	ug/L	ND	10	10	6.8	7.0	68	70	10-119	2	20	
Benzo(g,h,i)perylene	ug/L	ND	10	10	5.1	5.6	51	56	10-108	10	20	
Benzo(k)fluoranthene	ug/L	ND	10	10	8.3	8.8	83	88	10-118	6	20	
Chrysene	ug/L	ND	10	10	10.2	9.7	102	97	32-127	6	20	
Dibenz(a,h)anthracene	ug/L	ND	10	10	4.4	5.0	44	50	10-104	12	20	
Fluoranthene	ug/L	ND	10	10	9.1	8.6	91	86	38-131	6	20	
Fluorene	ug/L	ND	10	10	7.3	6.7	73	67	33-121	9	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10	10	4.7	5.2	47	52	10-108	11	20	
Naphthalene	ug/L	ND	10	10	5.8	6.0	58	60	16-119	4	20	
Phenanthrene	ug/L	ND	10	10	7.9	7.2	79	72	32-130	9	20	
Pyrene	ug/L	ND	10	10	10.8	10.2	108	102	39-131	5	20	
2-Fluorobiphenyl (S)	%.						63	56	21-114			
p-Terphenyl-d14 (S)	%.						106	103	25-131			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1200336 1200337

Parameter	Units	50108191002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	ND	10	10	6.5	6.3	65	62	28-116	4	20	
Acenaphthylene	ug/L	ND	10	10	6.4	6.1	64	61	34-115	5	20	
Anthracene	ug/L	ND	10	10	7.4	7.5	74	75	39-121	0	20	
Benzo(a)anthracene	ug/L	ND	10	10	8.3	8.3	83	83	31-127	0	20	
Benzo(a)pyrene	ug/L	ND	10	10	8.9	8.7	89	87	10-121	2	20	
Benzo(b)fluoranthene	ug/L	ND	10	10	8.1	7.8	81	78	10-119	4	20	
Benzo(g,h,i)perylene	ug/L	ND	10	10	6.1	5.2	61	52	10-108	16	20	
Benzo(k)fluoranthene	ug/L	ND	10	10	9.5	9.3	95	93	10-118	2	20	
Chrysene	ug/L	ND	10	10	9.4	9.6	94	96	32-127	2	20	
Dibenz(a,h)anthracene	ug/L	ND	10	10	5.3	4.3	53	43	10-104	20	20	
Fluoranthene	ug/L	ND	10	10	8.6	8.6	86	86	38-131	1	20	
Fluorene	ug/L	ND	10	10	7.0	6.8	69	67	33-121	3	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10	10	5.6	4.8	56	48	10-108	17	20	
Naphthalene	ug/L	ND	10	10	6.3	5.9	61	57	16-119	7	20	
Phenanthrene	ug/L	ND	10	10	7.5	7.4	75	74	32-130	1	20	
Pyrene	ug/L	ND	10	10	10.2	10.3	102	103	39-131	0	20	
2-Fluorobiphenyl (S)	%.						55	55	21-114			
p-Terphenyl-d14 (S)	%.						101	97	25-131			

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

QC Batch: OEXT/37646 | Analysis Method: EPA 8270 by SIM LVE
QC Batch Method: EPA 3510 | Analysis Description: 8270 Water PAH LV by SIM MSSV
Associated Lab Samples: 50108191003, 50108191004, 50108191008, 50108191009, 50108191012, 50108191013

METHOD BLANK: 1200524 | Matrix: Water
Associated Lab Samples: 50108191003, 50108191004, 50108191008, 50108191009, 50108191012, 50108191013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	1.0	12/06/14 10:49	
Acenaphthylene	ug/L	ND	1.0	12/06/14 10:49	
Anthracene	ug/L	ND	0.10	12/06/14 10:49	
Benzo(a)anthracene	ug/L	ND	0.10	12/06/14 10:49	
Benzo(a)pyrene	ug/L	ND	0.10	12/06/14 10:49	
Benzo(b)fluoranthene	ug/L	ND	0.10	12/06/14 10:49	
Benzo(g,h,i)perylene	ug/L	ND	0.10	12/06/14 10:49	
Benzo(k)fluoranthene	ug/L	ND	0.10	12/06/14 10:49	
Chrysene	ug/L	ND	0.50	12/06/14 10:49	
Dibenz(a,h)anthracene	ug/L	ND	0.10	12/06/14 10:49	
Fluoranthene	ug/L	ND	1.0	12/06/14 10:49	
Fluorene	ug/L	ND	1.0	12/06/14 10:49	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	12/06/14 10:49	
Naphthalene	ug/L	ND	1.0	12/06/14 10:49	
Phenanthrene	ug/L	ND	1.0	12/06/14 10:49	
Pyrene	ug/L	ND	1.0	12/06/14 10:49	
2-Fluorobiphenyl (S)	%.	54	21-114	12/06/14 10:49	
p-Terphenyl-d14 (S)	%.	117	25-131	12/06/14 10:49	

LABORATORY CONTROL SAMPLE: 1200525

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	10	6.9	69	39-117	
Acenaphthylene	ug/L	10	6.8	68	40-120	
Anthracene	ug/L	10	8.6	86	48-126	
Benzo(a)anthracene	ug/L	10	10.3	103	51-134	
Benzo(a)pyrene	ug/L	10	11.6	116	48-141	
Benzo(b)fluoranthene	ug/L	10	11.4	114	49-139	
Benzo(g,h,i)perylene	ug/L	10	8.9	89	44-134	
Benzo(k)fluoranthene	ug/L	10	11.5	115	48-140	
Chrysene	ug/L	10	11.6	116	53-136	
Dibenz(a,h)anthracene	ug/L	10	8.1	81	44-132	
Fluoranthene	ug/L	10	9.8	98	50-135	
Fluorene	ug/L	10	7.5	75	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	8.4	84	45-132	
Naphthalene	ug/L	10	5.7	57	30-112	
Phenanthrene	ug/L	10	8.2	82	47-128	
Pyrene	ug/L	10	11.3	113	50-134	
2-Fluorobiphenyl (S)	%.			59	21-114	
p-Terphenyl-d14 (S)	%.			117	25-131	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1200526 1200527

Parameter	Units	50108191003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	ND	10	10	6.4	6.9	64	69	28-116	8	20	
Acenaphthylene	ug/L	ND	10	10	6.2	6.7	62	67	34-115	9	20	
Anthracene	ug/L	ND	10	10	7.7	7.6	77	76	39-121	2	20	
Benzo(a)anthracene	ug/L	ND	10	10	7.4	6.7	74	67	31-127	10	20	
Benzo(a)pyrene	ug/L	ND	10	10	6.0	4.8	60	48	10-121	22	20	R1
Benzo(b)fluoranthene	ug/L	ND	10	10	5.4	4.6	54	46	10-119	16	20	
Benzo(g,h,i)perylene	ug/L	ND	10	10	3.6	2.8	36	28	10-108	23	20	R1
Benzo(k)fluoranthene	ug/L	ND	10	10	6.6	5.2	66	52	10-118	24	20	R1
Chrysene	ug/L	ND	10	10	8.4	7.2	84	72	32-127	16	20	
Dibenz(a,h)anthracene	ug/L	ND	10	10	3.2	2.6	32	26	10-104	22	20	R1
Fluoranthene	ug/L	ND	10	10	8.8	8.2	88	82	38-131	7	20	
Fluorene	ug/L	ND	10	10	6.7	6.9	67	69	33-121	3	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10	10	3.4	2.7	34	27	10-108	21	20	R1
Naphthalene	ug/L	ND	10	10	5.8	6.4	58	64	16-119	10	20	
Phenanthrene	ug/L	ND	10	10	7.5	7.4	75	74	32-130	1	20	
Pyrene	ug/L	ND	10	10	10.3	9.8	103	98	39-131	5	20	
2-Fluorobiphenyl (S)	%.						56	65	21-114			
p-Terphenyl-d14 (S)	%.						95	83	25-131			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1200529 1200530

Parameter	Units	50108191004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	ND	10	10	6.7	6.3	67	63	28-116	6	20	
Acenaphthylene	ug/L	ND	10	10	6.6	6.1	66	61	34-115	8	20	
Anthracene	ug/L	ND	10	10	7.0	7.6	70	76	39-121	8	20	
Benzo(a)anthracene	ug/L	ND	10	10	6.2	7.2	62	72	31-127	15	20	
Benzo(a)pyrene	ug/L	ND	10	10	5.0	6.2	50	62	10-121	21	20	R1
Benzo(b)fluoranthene	ug/L	ND	10	10	4.5	5.8	45	58	10-119	25	20	R1
Benzo(g,h,i)perylene	ug/L	ND	10	10	3.0	3.7	30	37	10-108	24	20	R1
Benzo(k)fluoranthene	ug/L	ND	10	10	5.5	6.7	55	67	10-118	20	20	R1
Chrysene	ug/L	ND	10	10	6.8	8.1	68	81	32-127	17	20	
Dibenz(a,h)anthracene	ug/L	ND	10	10	2.6	3.3	26	33	10-104	24	20	R1
Fluoranthene	ug/L	ND	10	10	7.7	8.6	77	86	38-131	12	20	
Fluorene	ug/L	ND	10	10	6.9	6.8	69	68	33-121	1	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10	10	2.8	3.5	28	35	10-108	24	20	R1
Naphthalene	ug/L	ND	10	10	6.3	5.1	63	51	16-119	21	20	R1
Phenanthrene	ug/L	ND	10	10	7.0	7.4	70	74	32-130	5	20	
Pyrene	ug/L	ND	10	10	9.2	10.2	92	102	39-131	10	20	
2-Fluorobiphenyl (S)	%.						65	57	21-114			
p-Terphenyl-d14 (S)	%.						78	87	25-131			

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

QC Batch: OEXT/37648 | Analysis Method: EPA 8270 by SIM LVE
QC Batch Method: EPA 3510 | Analysis Description: 8270 Water PAH LV by SIM MSSV
Associated Lab Samples: 50108191005, 50108191006, 50108191007

METHOD BLANK: 1200822 | Matrix: Water
Associated Lab Samples: 50108191005, 50108191006, 50108191007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	1.0	12/09/14 20:44	
Acenaphthylene	ug/L	ND	1.0	12/09/14 20:44	
Anthracene	ug/L	ND	0.10	12/09/14 20:44	
Benzo(a)anthracene	ug/L	ND	0.10	12/09/14 20:44	
Benzo(a)pyrene	ug/L	ND	0.10	12/09/14 20:44	
Benzo(b)fluoranthene	ug/L	ND	0.10	12/09/14 20:44	
Benzo(g,h,i)perylene	ug/L	ND	0.10	12/09/14 20:44	
Benzo(k)fluoranthene	ug/L	ND	0.10	12/09/14 20:44	
Chrysene	ug/L	ND	0.50	12/09/14 20:44	
Dibenz(a,h)anthracene	ug/L	ND	0.10	12/09/14 20:44	
Fluoranthene	ug/L	ND	1.0	12/09/14 20:44	
Fluorene	ug/L	ND	1.0	12/09/14 20:44	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	12/09/14 20:44	
Naphthalene	ug/L	ND	1.0	12/09/14 20:44	
Phenanthrene	ug/L	ND	1.0	12/09/14 20:44	
Pyrene	ug/L	ND	1.0	12/09/14 20:44	
2-Fluorobiphenyl (S)	%.	49	21-114	12/09/14 20:44	
p-Terphenyl-d14 (S)	%.	94	25-131	12/09/14 20:44	

LABORATORY CONTROL SAMPLE: 1200823

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	10	5.8	58	39-117	
Acenaphthylene	ug/L	10	5.8	58	40-120	
Anthracene	ug/L	10	7.3	73	48-126	
Benzo(a)anthracene	ug/L	10	8.8	88	51-134	
Benzo(a)pyrene	ug/L	10	9.6	96	48-141	
Benzo(b)fluoranthene	ug/L	10	9.2	92	49-139	
Benzo(g,h,i)perylene	ug/L	10	8.9	89	44-134	
Benzo(k)fluoranthene	ug/L	10	9.9	99	48-140	
Chrysene	ug/L	10	9.6	96	53-136	
Dibenz(a,h)anthracene	ug/L	10	8.3	83	44-132	
Fluoranthene	ug/L	10	8.0	80	50-135	
Fluorene	ug/L	10	6.4	64	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	8.4	84	45-132	
Naphthalene	ug/L	10	5.4	54	30-112	
Phenanthrene	ug/L	10	7.1	71	47-128	
Pyrene	ug/L	10	8.8	88	50-134	
2-Fluorobiphenyl (S)	%.			53	21-114	
p-Terphenyl-d14 (S)	%.			94	25-131	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1200824 1200825

Parameter	Units	50108191005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	ND	10	10	5.7	6.2	57	62	28-116	8	20	
Acenaphthylene	ug/L	ND	10	10	5.7	6.0	57	60	34-115	6	20	
Anthracene	ug/L	ND	10	10	6.6	6.9	66	69	39-121	4	20	
Benzo(a)anthracene	ug/L	ND	10	10	6.3	6.7	63	67	31-127	8	20	
Benzo(a)pyrene	ug/L	ND	10	10	4.1	4.9	41	49	10-121	17	20	
Benzo(b)fluoranthene	ug/L	ND	10	10	3.9	4.7	39	47	10-119	18	20	
Benzo(g,h,i)perylene	ug/L	ND	10	10	2.7	3.3	27	33	10-108	22	20	R1
Benzo(k)fluoranthene	ug/L	ND	10	10	4.3	5.1	43	51	10-118	16	20	
Chrysene	ug/L	ND	10	10	6.7	7.2	67	72	32-127	7	20	
Dibenz(a,h)anthracene	ug/L	ND	10	10	2.3	3.0	23	30	10-104	24	20	R1
Fluoranthene	ug/L	ND	10	10	7.4	7.5	74	75	38-131	0	20	
Fluorene	ug/L	ND	10	10	6.1	6.7	61	67	33-121	9	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10	10	2.4	3.1	24	31	10-108	23	20	R1
Naphthalene	ug/L	ND	10	10	5.7	5.7	57	57	16-119	1	20	
Phenanthrene	ug/L	ND	10	10	6.7	7.0	67	70	32-130	3	20	
Pyrene	ug/L	ND	10	10	8.2	8.2	82	82	39-131	0	20	
2-Fluorobiphenyl (S)	%.						50	54	21-114			
p-Terphenyl-d14 (S)	%.						72	74	25-131			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1200826 1200827

Parameter	Units	50108191006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	ND	10	10	6.2	5.6	59	53	28-116	10	20	
Acenaphthylene	ug/L	ND	10	10	6.0	5.4	60	54	34-115	10	20	
Anthracene	ug/L	ND	10	10	7.2	6.5	72	65	39-121	11	20	
Benzo(a)anthracene	ug/L	ND	10	10	7.3	6.4	73	64	31-127	12	20	
Benzo(a)pyrene	ug/L	ND	10	10	5.8	4.9	58	49	10-121	17	20	
Benzo(b)fluoranthene	ug/L	ND	10	10	5.4	4.7	54	47	10-119	15	20	
Benzo(g,h,i)perylene	ug/L	ND	10	10	3.5	2.7	35	27	10-108	27	20	R1
Benzo(k)fluoranthene	ug/L	ND	10	10	6.2	5.1	62	51	10-118	19	20	
Chrysene	ug/L	ND	10	10	7.8	7.0	78	70	32-127	11	20	
Dibenz(a,h)anthracene	ug/L	ND	10	10	3.2	2.3	32	23	10-104	33	20	R1
Fluoranthene	ug/L	ND	10	10	7.8	7.0	77	69	38-131	10	20	
Fluorene	ug/L	ND	10	10	6.9	6.2	66	59	33-121	11	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10	10	3.3	2.5	33	25	10-108	30	20	R1
Naphthalene	ug/L	ND	10	10	6.6	6.2	63	60	16-119	5	20	
Phenanthrene	ug/L	ND	10	10	7.1	6.4	69	63	32-130	10	20	
Pyrene	ug/L	ND	10	10	8.6	7.8	86	78	39-131	10	20	
2-Fluorobiphenyl (S)	%.						51	46	21-114			
p-Terphenyl-d14 (S)	%.						80	72	25-131			

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1200828 1200829

Parameter	Units	50108191007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	ND	10	10	6.2	5.6	62	56	28-116	10	20	
Acenaphthylene	ug/L	ND	10	10	6.2	5.6	62	56	34-115	9	20	
Anthracene	ug/L	ND	10	10	7.3	6.9	73	69	39-121	6	20	
Benzo(a)anthracene	ug/L	ND	10	10	7.4	7.1	74	71	31-127	4	20	
Benzo(a)pyrene	ug/L	ND	10	10	6.4	6.2	64	62	10-121	2	20	
Benzo(b)fluoranthene	ug/L	ND	10	10	6.0	5.7	60	57	10-119	5	20	
Benzo(g,h,i)perylene	ug/L	ND	10	10	3.6	3.1	36	31	10-108	17	20	
Benzo(k)fluoranthene	ug/L	ND	10	10	6.5	6.2	65	62	10-118	4	20	
Chrysene	ug/L	ND	10	10	8.0	7.6	80	76	32-127	5	20	
Dibenz(a,h)anthracene	ug/L	ND	10	10	3.0	3.1	30	31	10-104	1	20	
Fluoranthene	ug/L	ND	10	10	7.8	7.4	78	74	38-131	5	20	
Fluorene	ug/L	ND	10	10	6.7	6.2	67	62	33-121	8	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10	10	3.4	3.4	34	34	10-108	1	20	
Naphthalene	ug/L	ND	10	10	6.1	5.5	61	55	16-119	11	20	
Phenanthrene	ug/L	ND	10	10	7.1	6.7	71	67	32-130	6	20	
Pyrene	ug/L	ND	10	10	8.5	8.1	85	81	39-131	5	20	
2-Fluorobiphenyl (S)	%.						55	47	21-114			
p-Terphenyl-d14 (S)	%.						81	80	25-131			

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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 (8270 listed analyte) decomposes to Azobenzene.

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

R1 RPD value was outside control limits.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108191

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50108191001	**BPIT-DHW115-120214**	EPA 3510	OEXT/37640	EPA 8270 by SIM LVE	MSSV/16698
50108191002	**BPIT-DHW64-120214**	EPA 3510	OEXT/37640	EPA 8270 by SIM LVE	MSSV/16698
50108191003	**BPIT-DHW83-120214**	EPA 3510	OEXT/37646	EPA 8270 by SIM LVE	MSSV/16699
50108191004	**BPIT-DHW82-120214**	EPA 3510	OEXT/37646	EPA 8270 by SIM LVE	MSSV/16699
50108191005	**BPIT-DHW81-120214**	EPA 3510	OEXT/37648	EPA 8270 by SIM LVE	MSSV/16706
50108191006	**BPIT-DHW78-120314**	EPA 3510	OEXT/37648	EPA 8270 by SIM LVE	MSSV/16706
50108191007	**BPIT-OW26-120314**	EPA 3510	OEXT/37648	EPA 8270 by SIM LVE	MSSV/16706
50108191008	**BPIT-DHW85-120314**	EPA 3510	OEXT/37646	EPA 8270 by SIM LVE	MSSV/16699
50108191009	**BPIT-DUP01-120314**	EPA 3510	OEXT/37646	EPA 8270 by SIM LVE	MSSV/16699
50108191010	**BPIT-EB01-120214**	EPA 3510	OEXT/37640	EPA 8270 by SIM LVE	MSSV/16698
50108191011	**BPIT-EB02-120214**	EPA 3510	OEXT/37640	EPA 8270 by SIM LVE	MSSV/16698
50108191012	**BPIT-EB03-120314**	EPA 3510	OEXT/37646	EPA 8270 by SIM LVE	MSSV/16699
50108191013	**BPIT-EB04-120314**	EPA 3510	OEXT/37646	EPA 8270 by SIM LVE	MSSV/16699
50108191001	**BPIT-DHW115-120214**	EPA 8260	MSV/71730		
50108191002	**BPIT-DHW64-120214**	EPA 8260	MSV/71776		
50108191003	**BPIT-DHW83-120214**	EPA 8260	MSV/71775		
50108191004	**BPIT-DHW82-120214**	EPA 8260	MSV/71775		
50108191005	**BPIT-DHW81-120214**	EPA 8260	MSV/71775		
50108191006	**BPIT-DHW78-120314**	EPA 8260	MSV/71776		
50108191007	**BPIT-OW26-120314**	EPA 8260	MSV/71775		
50108191008	**BPIT-DHW85-120314**	EPA 8260	MSV/71775		
50108191009	**BPIT-DUP01-120314**	EPA 8260	MSV/71775		
50108191010	**BPIT-EB01-120214**	EPA 8260	MSV/71775		
50108191011	**BPIT-EB02-120214**	EPA 8260	MSV/71775		
50108191012	**BPIT-EB03-120314**	EPA 8260	MSV/71775		
50108191013	**BPIT-EB04-120314**	EPA 8260	MSV/71775		
50108191014	**BPIT-TripBlank01-120214**	EPA 8260	MSV/71775		

Laboratory Management Program LaMP Chain of Custody Record

Page 1 of 2

BP Site Node Path: BP > USA > IN > Marion > Indianapolis Termina

BP Facility No: # 215

Req Due Date (mm/dd/yy): Standard

Rush TAT: Yes ___ No X

Lab Work Order Number: 50108191

Lab Name:	Pace Analytical	Facility Address:	2500 North Tibbs Ave.	Consultant/Contractor:	Stantec Consulting Corp.
Lab Address:	7726 Moller Road, Indianapolis, IN 46268	City, State, ZIP Code:	Indianapolis, IN 46222	Consultant/Contractor Project No:	182612301.601.681
Lab PM:	Tina Sayer	Lead Regulatory Agency:	EPA	Address:	8770 Guion Rd., Suite B, Indianapolis, IN 46268
Lab Phone:	317-875-5894	California Global ID No.:		Consultant/Contractor PM:	Kyle Amberger
Lab Shipping Accnt:		Enfos Proposal No:	007VX-0017	Phone:	317-876-8375 x 240 Email: kyle.amberger@stantec.com
Lab Bottle Order No:		Accounting Mode:	Provision X OOC-BU ___ OOC-RM ___	Email EDD To:	Kyle Amberger and to lab.enfosdoc@bp.com
Other Info:		Stage:	OMM 60 Activity: Project Spend 81	Invoice To:	BP X Contractor ___

BP Project Manager (PM): Bruno Mancini

BP PM Phone: 216-271-8852

BP PM Email: bruno.mancini@bp.com

Report Type & QC Level: Standard X; Full Data Package ___

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	BTEX by 8260	PAHs by 8270SIM	MS/MSD	Comments
001	BPIT-DHW115-120214	12/2/14	1207		X		Y	15	6			~~8~~ 9		X	X	X	
002	BPIT-DHW64-120214	12/2/14	1315		X		Y	15	6			9		X	X	X	
003	BPIT-DHW83-120214	12/2/14	1600		X		Y	15	6			9		X	X	X	
004	BPIT-DHW82-120214	12/2/14	1435		X		Y	15	6			9		X	X	X	
005	BPIT-DHW81-120214	12/2/14	1125		X		Y	15	6			9		X	X	X	
006	BPIT-DHW78-120314	12/3/14	1144		X		Y	15	6			9		X	X	X	
007	BPIT-OW26-120314	12/3/14	1016		X		Y	15	6			9		X	X	X	
008	BPIT-DHW85-120314	12/3/14	1630		X		Y	5	2			3		X	X		
009	BPIT-DUP01-120314	12/3/14	—		X		Y	5	2			3		X	X		
010	BPIT-EB01-120214	12/2/14	1700		X		N	5	2			3		X	X		

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Neil Bukowski						
Sampler's Company: Stantec	[signature] / Stantec	12/3/14	1800	[signature] / Stantec	12/3/14	1800
Shipment Method: Pick-up Ship Date: 12/4/14	[signature] / Stantec	12/4/14	1015	[signature] / Pace	12/4/14	1015
Shipment Tracking No: None						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 0.5 °F/C 0.3 | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

WI Pace Kee 12-4-14 1045

Laboratory Management Program LaMP Chain of Custody Record

BP Site Node Path: BP > USA > IN > Marion > Indianapolis Termina

Req Due Date (mm/dd/yy): Standard Rush TAT: Yes ___ No X

BP Facility No: # 215

Lab Work Order Number: 50108191

Lab Name:	Pace Analytical	Facility Address:	2500 North Tibbs Ave.	Consultant/Contractor:	Stantec Consulting Corp.
Lab Address:	7726 Moller Road, Indianapolis, IN 46268	City, State, ZIP Code:	Indianapolis, IN 46222	Consultant/Contractor Project No:	182612301.601.681
Lab PM:	Tina Sayer	Lead Regulatory Agency:	EPA	Address:	8770 Guion Rd., Suite B, Indianapolis, IN 46268
Lab Phone:	317-875-5894	California Global ID No.:		Consultant/Contractor PM:	Kyle Amberger
Lab Shipping Accnt:		Enfos Proposal No:	007VX-0017	Phone:	317-876-8375 x 240 Email: kyle.amberger@stantec.com
Lab Bottle Order No:		Accounting Mode:	Provision X OOC-BU ___ OOC-RM ___	Email EDD To:	Kyle Amberger and to lab.enfosdoc@bp.com
Other Info:		Stage:	OMM 60 Activity: Project Spend 81	Invoice To:	BP X Contractor ___

BP Project Manager (PM): Bruno Mancini

BP PM Phone: 216-271-8852

BP PM Email: bruno.mancini@bp.com

Report Type & QC Level: Standard X; Full Data Package ___

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol		BTEX by 8260	PAHs by 8270SIM								Comments
011	BPIT-EB02-120214	12/2/14	1700		X		N	5	2			3			X	X								
012	BPIT-EB03-120314	12/3/14	1700		X		N	5	2			3			X	X								
013	BPIT-EB04-120314	12/3/14	1700		X		N	5	2			3			X	X								
014	BPIT-TRIPBLANK01-120314	12/3/14	—		X		N	3				3			X									

Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Neil Bukowski						
Sampler's Company: Stantec	Neil Bukowski / Stantec	12/3/14	1800	[signature] / Stantec	12/3/14	1800
Shipment Method: Pick-up Ship Date: 12/4/14	[signature] / Stantec	12/4/14	1015	[signature] / Pace	12/4/14	1015
Shipment Tracking No: None						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 0.5 °F/C 0.3 | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

WF/Pace Koo 12-4-14 1045

Sample Condition Upon Receipt

Pace Analytical

Client Name: Stantec Project # 50108191

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other _____

Tracking #: _____

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

Date/Time 5035A kits placed in freezer _____

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☒ Other foam

Thermometer 1 2 3 4 5 6 A B C D E F **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 0.5°c, 0.3°c **Ice Visible in Sample Containers:** ☐ yes ☒ no
(Corrected, if applicable)

Temp should be above freezing to 6°C

Date and initials of person examining contents: KEE 12-4-14

				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 & Signature on COC:	☒Yes	☐No	☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes	☒No	☐N/A	5.
Rush Turn Around Time Requested:	☐Yes	☒No	☐N/A	6.
Containers Intact:	☒Yes	☐No	☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☒Yes	☐No	☐N/A	8.
All containers needing acid/base pres. have been checked? **exceptions: VOA, coliform, TOC, O&G** All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.	☐Yes	☐No	☒N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
Headspace in VOA Vials (>6mm):	☐Yes	☒No	☐N/A	10.
Trip Blank Present:	☒Yes	☐No	☐N/A	11.
Trip Blank Custody Seals Present	☒Yes	☐No	☐N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	12.
Sufficient Volume:	☒Yes	☐No	☐N/A	13.
Correct Containers Used:	☒Yes	☐No	☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: T Dayer **Date:** 12/4/14

Sample Container Count

Pace Analytical
www.pacelabs.com

CLIENT: Stantec

COC PAGE 1 of 2

COC ID#

Project # 50108191

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST		pH <2	pH>12	Comments
1	9			6																	
2	↓			↓																	
3																					
4																					
5																					
6																					
7																					
8	3			2																	
9	3			2																	
10	3			2																	
11																					
12																					

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count

CLIENT: Stantec

COC PAGE 2 of 2

COC ID#

Project # 50108191

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST	_____	pH <2	pH>12	Comments
1	3			2																
2	↓			↓																
3	↓			↓																
4	↓																			
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

December 19, 2014

Mr. Kyle Amberger
Stantec
8770 Guion Rd
Suite B
Indianapolis, IN 46268

RE: Project: BP#215
Pace Project No.: 50108459

Dear Mr. Amberger:
Enclosed are the analytical results for sample(s) received by the laboratory on December 05, 2014. 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.

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

Sincerely,

Tina Sayer

Tina Sayer
tina.sayer@pacelabs.com
Project Manager

Enclosures

cc: Mr. Ryan Julien, Stantec

CERTIFICATIONS

Project:	BP#215
Pace Project No.:	50108459

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky UST Certification #: 0042
Louisiana/NELAP Certification #: 04076
Ohio VAP Certification #: CL-0065
West Virginia Certification #: 330

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: BP#215
Pace Project No.: 50108459

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50108459001	**BPIT-TRIPBLANK02-120414**	Water	12/04/14 08:00	12/05/14 16:45
50108459002	**BPIT-OW39-120414**	Water	12/04/14 14:19	12/05/14 16:45
50108459003	**BPIT-DHW61-120414**	Water	12/04/14 15:23	12/05/14 16:45
50108459004	**BPIT-OW14-120414**	Water	12/04/14 15:45	12/05/14 16:45
50108459005	**BPIT-OW34-120414**	Water	12/04/14 11:15	12/05/14 16:45
50108459006	**BPIT-OW31-120414**	Water	12/04/14 11:35	12/05/14 16:45
50108459007	**BPIT-PZ3D-120414**	Water	12/04/14 14:00	12/05/14 16:45
50108459008	**BPIT-OW37-120414**	Water	12/04/14 09:25	12/05/14 16:45
50108459009	**BPIT-MW11-120414**	Water	12/04/14 09:45	12/05/14 16:45
50108459010	**BPIT-DHW84-120414**	Water	12/04/14 09:30	12/05/14 16:45
50108459011	**BPIT-OW12-120514**	Water	12/05/14 14:05	12/05/14 16:45
50108459012	**BPIT-OW35-120514**	Water	12/05/14 10:40	12/05/14 16:45
50108459013	**BPIT-OW13-120514**	Water	12/05/14 10:56	12/05/14 16:45
50108459014	**BPIT-OW07-120514**	Water	12/05/14 15:20	12/05/14 16:45
50108459015	**BPIT-DHW42-120514**	Water	12/05/14 14:50	12/05/14 16:45
50108459016	**BPIT-DHW46-120514**	Water	12/05/14 10:50	12/05/14 16:45
50108459017	**BPIT-DHW45-120514**	Water	12/05/14 11:45	12/05/14 16:45
50108459018	**BPIT-DHW49-120514**	Water	12/05/14 09:53	12/05/14 16:45
50108459019	**BPIT-EB05-120414**	Water	12/04/14 16:30	12/05/14 16:45
50108459020	**BPIT-EB06-120414**	Water	12/04/14 16:30	12/05/14 16:45
50108459021	**BPIT-EB07-120514**	Water	12/05/14 16:00	12/05/14 16:45
50108459022	**BPIT-EB08-120514**	Water	12/05/14 16:00	12/05/14 16:45
50108459023	**BPIT-DUP02-120514**	Water	12/05/14 08:00	12/05/14 16:45

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: BP#215
Pace Project No.: 50108459

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50108459001	**BPIT-TRIPBLANK02-120414**	EPA 8260	DAE	7
50108459002	**BPIT-OW39-120414**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108459003	**BPIT-DHW61-120414**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108459004	**BPIT-OW14-120414**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108459005	**BPIT-OW34-120414**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108459006	**BPIT-OW31-120414**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108459007	**BPIT-PZ3D-120414**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108459008	**BPIT-OW37-120414**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108459009	**BPIT-MW11-120414**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108459010	**BPIT-DHW84-120414**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108459011	**BPIT-OW12-120514**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108459012	**BPIT-OW35-120514**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108459013	**BPIT-OW13-120514**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108459014	**BPIT-OW07-120514**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108459015	**BPIT-DHW42-120514**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108459016	**BPIT-DHW46-120514**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108459017	**BPIT-DHW45-120514**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108459018	**BPIT-DHW49-120514**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108459019	**BPIT-EB05-120414**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: BP#215
Pace Project No.: 50108459

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50108459020	**BPIT-EB06-120414**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108459021	**BPIT-EB07-120514**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108459022	**BPIT-EB08-120514**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108459023	**BPIT-DUP02-120514**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: BP#215
Pace Project No.: 50108459

Sample: BPIT-TRIPBLANK02-120414 **Lab ID: 50108459001** Collected: 12/04/14 08:00 Received: 12/05/14 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/18/14 01:41	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/18/14 01:41	100-41-4	
Toluene	ND	ug/L	5.0	1		12/18/14 01:41	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/18/14 01:41	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	108	%.	79-116	1		12/18/14 01:41	1868-53-7	
Toluene-d8 (S)	91	%.	81-110	1		12/18/14 01:41	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	80-114	1		12/18/14 01:41	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: BP#215
Pace Project No.: 50108459

Sample: BPIT-OW39-120414 **Lab ID: 50108459002** Collected: 12/04/14 14:19 Received: 12/05/14 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 06:46	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 06:46	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 06:46	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 06:46	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 06:46	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 06:46	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 06:46	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 06:46	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/10/14 08:57	12/12/14 06:46	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 06:46	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 06:46	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 06:46	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 06:46	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 06:46	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 06:46	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 06:46	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	63	%.	21-114	1	12/10/14 08:57	12/12/14 06:46	321-60-8	
p-Terphenyl-d14 (S)	72	%.	25-131	1	12/10/14 08:57	12/12/14 06:46	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/18/14 04:22	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/18/14 04:22	100-41-4	
Toluene	ND	ug/L	5.0	1		12/18/14 04:22	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/18/14 04:22	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	107	%.	79-116	1		12/18/14 04:22	1868-53-7	
Toluene-d8 (S)	91	%.	81-110	1		12/18/14 04:22	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	80-114	1		12/18/14 04:22	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: BP#215
Pace Project No.: 50108459

Sample: BPIT-DHW61-120414 **Lab ID: 50108459003** Collected: 12/04/14 15:23 Received: 12/05/14 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:04	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:04	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:04	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:04	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:04	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:04	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:04	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:04	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/10/14 08:57	12/12/14 07:04	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:04	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:04	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:04	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:04	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:04	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:04	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:04	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	67	%.	21-114	1	12/10/14 08:57	12/12/14 07:04	321-60-8	
p-Terphenyl-d14 (S)	73	%.	25-131	1	12/10/14 08:57	12/12/14 07:04	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/18/14 04:54	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/18/14 04:54	100-41-4	
Toluene	ND	ug/L	5.0	1		12/18/14 04:54	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/18/14 04:54	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	106	%.	79-116	1		12/18/14 04:54	1868-53-7	
Toluene-d8 (S)	90	%.	81-110	1		12/18/14 04:54	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	80-114	1		12/18/14 04:54	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: BP#215
Pace Project No.: 50108459

Sample: BPIT-OW14-120414 **Lab ID: 50108459004** Collected: 12/04/14 15:45 Received: 12/05/14 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:22	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:22	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:22	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:22	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:22	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:22	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:22	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:22	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/10/14 08:57	12/12/14 07:22	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:22	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:22	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:22	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:22	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:22	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:22	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:22	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	56	%.	21-114	1	12/10/14 08:57	12/12/14 07:22	321-60-8	
p-Terphenyl-d14 (S)	57	%.	25-131	1	12/10/14 08:57	12/12/14 07:22	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/18/14 05:26	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/18/14 05:26	100-41-4	
Toluene	ND	ug/L	5.0	1		12/18/14 05:26	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/18/14 05:26	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	108	%.	79-116	1		12/18/14 05:26	1868-53-7	
Toluene-d8 (S)	91	%.	81-110	1		12/18/14 05:26	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	80-114	1		12/18/14 05:26	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: BP#215
Pace Project No.: 50108459

Sample: BPIT-OW34-120414 **Lab ID: 50108459005** Collected: 12/04/14 11:15 Received: 12/05/14 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**0.71J**	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:39	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:39	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:39	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:39	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:39	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:39	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:39	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:39	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/10/14 08:57	12/12/14 07:39	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:39	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:39	206-44-0	
Fluorene	**0.67J**	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:39	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:39	193-39-5	
Naphthalene	**1.5**	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:39	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:39	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:39	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	63	%.	21-114	1	12/10/14 08:57	12/12/14 07:39	321-60-8	
p-Terphenyl-d14 (S)	78	%.	25-131	1	12/10/14 08:57	12/12/14 07:39	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**40.7**	ug/L	5.0	1		12/18/14 05:58	71-43-2	
Ethylbenzene	**6.7**	ug/L	5.0	1		12/18/14 05:58	100-41-4	
Toluene	**9.2**	ug/L	5.0	1		12/18/14 05:58	108-88-3	
Xylene (Total)	**17.7**	ug/L	10.0	1		12/18/14 05:58	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	79-116	1		12/18/14 05:58	1868-53-7	
Toluene-d8 (S)	91	%.	81-110	1		12/18/14 05:58	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	80-114	1		12/18/14 05:58	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: BP#215
Pace Project No.: 50108459

Sample: BPIT-OW31-120414 **Lab ID: 50108459006** Collected: 12/04/14 11:35 Received: 12/05/14 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:57	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:57	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:57	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:57	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:57	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:57	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:57	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:57	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/10/14 08:57	12/12/14 07:57	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:57	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:57	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:57	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/10/14 08:57	12/12/14 07:57	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:57	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:57	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/10/14 08:57	12/12/14 07:57	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	61	%.	21-114	1	12/10/14 08:57	12/12/14 07:57	321-60-8	
p-Terphenyl-d14 (S)	70	%.	25-131	1	12/10/14 08:57	12/12/14 07:57	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/18/14 09:12	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/18/14 09:12	100-41-4	
Toluene	ND	ug/L	5.0	1		12/18/14 09:12	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/18/14 09:12	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	107	%.	79-116	1		12/18/14 09:12	1868-53-7	
Toluene-d8 (S)	91	%.	81-110	1		12/18/14 09:12	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	80-114	1		12/18/14 09:12	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: BP#215
Pace Project No.: 50108459

Sample: BPIT-PZ3D-120414 **Lab ID: 50108459007** Collected: 12/04/14 14:00 Received: 12/05/14 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 08:50	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 08:50	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 08:50	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 08:50	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 08:50	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 08:50	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 08:50	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 08:50	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/10/14 11:21	12/12/14 08:50	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 08:50	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 08:50	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 08:50	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 08:50	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 08:50	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 08:50	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 08:50	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	47	%.	21-114	1	12/10/14 11:21	12/12/14 08:50	321-60-8	
p-Terphenyl-d14 (S)	55	%.	25-131	1	12/10/14 11:21	12/12/14 08:50	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/18/14 10:16	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/18/14 10:16	100-41-4	
Toluene	ND	ug/L	5.0	1		12/18/14 10:16	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/18/14 10:16	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	107	%.	79-116	1		12/18/14 10:16	1868-53-7	
Toluene-d8 (S)	89	%.	81-110	1		12/18/14 10:16	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	80-114	1		12/18/14 10:16	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: BP#215
Pace Project No.: 50108459

Sample: BPIT-OW37-120414 **Lab ID: 50108459008** Collected: 12/04/14 09:25 Received: 12/05/14 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 09:08	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 09:08	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 09:08	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 09:08	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 09:08	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 09:08	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 09:08	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 09:08	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/10/14 11:21	12/12/14 09:08	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 09:08	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 09:08	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 09:08	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 09:08	193-39-5	
Naphthalene	**2.3**	ug/L	1.0	1	12/10/14 11:21	12/12/14 09:08	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 09:08	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 09:08	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	39	%.	21-114	1	12/10/14 11:21	12/12/14 09:08	321-60-8	
p-Terphenyl-d14 (S)	35	%.	25-131	1	12/10/14 11:21	12/12/14 09:08	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**962**	ug/L	50.0	10		12/18/14 07:03	71-43-2	
Ethylbenzene	**41.7**	ug/L	5.0	1		12/18/14 06:31	100-41-4	
Toluene	**9.1**	ug/L	5.0	1		12/18/14 06:31	108-88-3	
Xylene (Total)	**44.8**	ug/L	10.0	1		12/18/14 06:31	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	79-116	1		12/18/14 06:31	1868-53-7	
Toluene-d8 (S)	91	%.	81-110	1		12/18/14 06:31	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	80-114	1		12/18/14 06:31	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: BP#215
Pace Project No.: 50108459

Sample: BPIT-MW11-120414 **Lab ID: 50108459009** Collected: 12/04/14 09:45 Received: 12/05/14 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 09:26	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 09:26	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 09:26	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 09:26	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 09:26	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 09:26	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 09:26	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 09:26	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/10/14 11:21	12/12/14 09:26	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 09:26	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 09:26	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 09:26	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 09:26	193-39-5	
Naphthalene	**0.56J**	ug/L	1.0	1	12/10/14 11:21	12/12/14 09:26	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 09:26	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 09:26	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	32	%.	21-114	1	12/10/14 11:21	12/12/14 09:26	321-60-8	
p-Terphenyl-d14 (S)	40	%.	25-131	1	12/10/14 11:21	12/12/14 09:26	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**237**	ug/L	5.0	1		12/18/14 08:55	71-43-2	
Ethylbenzene	**4.6J**	ug/L	5.0	1		12/18/14 08:55	100-41-4	
Toluene	ND	ug/L	5.0	1		12/18/14 08:55	108-88-3	
Xylene (Total)	**12.5**	ug/L	10.0	1		12/18/14 08:55	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	79-116	1		12/18/14 08:55	1868-53-7	
Toluene-d8 (S)	90	%.	81-110	1		12/18/14 08:55	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	80-114	1		12/18/14 08:55	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: BP#215
Pace Project No.: 50108459

Sample: BPIT-DHW84-120414 **Lab ID: 50108459010** Collected: 12/04/14 09:30 Received: 12/05/14 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 13:18	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 13:18	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 13:18	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 13:18	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 13:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 13:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 13:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 13:18	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/10/14 11:21	12/12/14 13:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 13:18	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 13:18	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 13:18	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 13:18	193-39-5	
Naphthalene	**1.2**	ug/L	1.0	1	12/10/14 11:21	12/12/14 13:18	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 13:18	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 13:18	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	44	%.	21-114	1	12/10/14 11:21	12/12/14 13:18	321-60-8	
p-Terphenyl-d14 (S)	46	%.	25-131	1	12/10/14 11:21	12/12/14 13:18	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**608**	ug/L	50.0	10		12/18/14 15:37	71-43-2	
Ethylbenzene	**22.0**	ug/L	5.0	1		12/18/14 10:00	100-41-4	
Toluene	**3.9J**	ug/L	5.0	1		12/18/14 10:00	108-88-3	
Xylene (Total)	**20.2**	ug/L	10.0	1		12/18/14 10:00	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	79-116	1		12/18/14 10:00	1868-53-7	
Toluene-d8 (S)	91	%.	81-110	1		12/18/14 10:00	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	80-114	1		12/18/14 10:00	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: BP#215
Pace Project No.: 50108459

Sample: BPIT-OW12-120514 **Lab ID: 50108459011** Collected: 12/05/14 14:05 Received: 12/05/14 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**0.83J**	ug/L	1.0	1	12/10/14 11:21	12/12/14 14:11	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 14:11	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 14:11	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 14:11	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 14:11	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 14:11	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 14:11	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 14:11	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/10/14 11:21	12/12/14 14:11	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 14:11	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 14:11	206-44-0	
Fluorene	**0.95J**	ug/L	1.0	1	12/10/14 11:21	12/12/14 14:11	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 14:11	193-39-5	
Naphthalene	**1.4**	ug/L	1.0	1	12/10/14 11:21	12/12/14 14:11	91-20-3	
Phenanthrene	**0.71J**	ug/L	1.0	1	12/10/14 11:21	12/12/14 14:11	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 14:11	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	37	%.	21-114	1	12/10/14 11:21	12/12/14 14:11	321-60-8	
p-Terphenyl-d14 (S)	53	%.	25-131	1	12/10/14 11:21	12/12/14 14:11	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**4510**	ug/L	250	50		12/18/14 07:51	71-43-2	
Ethylbenzene	**21.0J**	ug/L	25.0	5		12/18/14 07:19	100-41-4	
Toluene	**18.4J**	ug/L	25.0	5		12/18/14 07:19	108-88-3	
Xylene (Total)	ND	ug/L	50.0	5		12/18/14 07:19	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	5		12/18/14 07:19	1868-53-7	
Toluene-d8 (S)	91	%.	81-110	5		12/18/14 07:19	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	80-114	5		12/18/14 07:19	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: BP#215
Pace Project No.: 50108459

Sample: BPIT-OW35-120514 **Lab ID: 50108459012** Collected: 12/05/14 10:40 Received: 12/05/14 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 14:29	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 14:29	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 14:29	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 14:29	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 14:29	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 14:29	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 14:29	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 14:29	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/10/14 11:21	12/12/14 14:29	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 14:29	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 14:29	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 14:29	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 14:29	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 14:29	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 14:29	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 14:29	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	50	%.	21-114	1	12/10/14 11:21	12/12/14 14:29	321-60-8	
p-Terphenyl-d14 (S)	60	%.	25-131	1	12/10/14 11:21	12/12/14 14:29	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/18/14 08:23	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/18/14 08:23	100-41-4	
Toluene	ND	ug/L	5.0	1		12/18/14 08:23	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/18/14 08:23	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	79-116	1		12/18/14 08:23	1868-53-7	
Toluene-d8 (S)	90	%.	81-110	1		12/18/14 08:23	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	80-114	1		12/18/14 08:23	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: BP#215
Pace Project No.: 50108459

Sample: BPIT-OW13-120514 **Lab ID: 50108459013** Collected: 12/05/14 10:56 Received: 12/05/14 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 14:47	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 14:47	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 14:47	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 14:47	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 14:47	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 14:47	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 14:47	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 14:47	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/10/14 11:21	12/12/14 14:47	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 14:47	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 14:47	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 14:47	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 14:47	193-39-5	
Naphthalene	**0.83J**	ug/L	1.0	1	12/10/14 11:21	12/12/14 14:47	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 14:47	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 14:47	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	44	%.	21-114	1	12/10/14 11:21	12/12/14 14:47	321-60-8	
p-Terphenyl-d14 (S)	59	%.	25-131	1	12/10/14 11:21	12/12/14 14:47	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**492**	ug/L	50.0	10		12/18/14 16:58	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/18/14 16:25	100-41-4	
Toluene	**8.0**	ug/L	5.0	1		12/18/14 16:25	108-88-3	
Xylene (Total)	**13.5**	ug/L	10.0	1		12/18/14 16:25	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	79-116	1		12/18/14 16:25	1868-53-7	
Toluene-d8 (S)	91	%.	81-110	1		12/18/14 16:25	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	80-114	1		12/18/14 16:25	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: BP#215
Pace Project No.: 50108459

Sample: BPIT-OW07-120514 **Lab ID: 50108459014** Collected: 12/05/14 15:20 Received: 12/05/14 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:04	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:04	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:04	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:04	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:04	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:04	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:04	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:04	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/10/14 11:21	12/12/14 15:04	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:04	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:04	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:04	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:04	193-39-5	
Naphthalene	**0.94J**	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:04	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:04	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:04	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	48	%.	21-114	1	12/10/14 11:21	12/12/14 15:04	321-60-8	
p-Terphenyl-d14 (S)	51	%.	25-131	1	12/10/14 11:21	12/12/14 15:04	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**5790**	ug/L	250	50		12/18/14 18:02	71-43-2	
Ethylbenzene	**39.4**	ug/L	25.0	5		12/18/14 17:30	100-41-4	
Toluene	**28.2**	ug/L	25.0	5		12/18/14 17:30	108-88-3	
Xylene (Total)	**31.2J**	ug/L	50.0	5		12/18/14 17:30	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	5		12/18/14 17:30	1868-53-7	D4
Toluene-d8 (S)	89	%.	81-110	5		12/18/14 17:30	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	80-114	5		12/18/14 17:30	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: BP#215
Pace Project No.: 50108459

Sample: BPIT-DHW42-120514 **Lab ID: 50108459015** Collected: 12/05/14 14:50 Received: 12/05/14 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**1.2**	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:22	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:22	208-96-8	
Anthracene	**0.17**	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:22	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:22	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:22	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:22	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:22	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:22	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/10/14 11:21	12/12/14 15:22	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:22	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:22	206-44-0	
Fluorene	**2.1**	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:22	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:22	193-39-5	
Naphthalene	**3.3**	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:22	91-20-3	
Phenanthrene	**2.0**	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:22	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:22	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	42	%.	21-114	1	12/10/14 11:21	12/12/14 15:22	321-60-8	
p-Terphenyl-d14 (S)	55	%.	25-131	1	12/10/14 11:21	12/12/14 15:22	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**8570**	ug/L	250	50		12/18/14 19:07	71-43-2	
Ethylbenzene	**48.6**	ug/L	25.0	5		12/18/14 18:35	100-41-4	
Toluene	**59.1**	ug/L	25.0	5		12/18/14 18:35	108-88-3	
Xylene (Total)	**36.0J**	ug/L	50.0	5		12/18/14 18:35	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	79-116	5		12/18/14 18:35	1868-53-7	D4
Toluene-d8 (S)	90	%.	81-110	5		12/18/14 18:35	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	80-114	5		12/18/14 18:35	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: BP#215
Pace Project No.: 50108459

Sample: BPIT-DHW46-120514 **Lab ID: 50108459016** Collected: 12/05/14 10:50 Received: 12/05/14 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**0.83J**	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:40	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:40	208-96-8	
Anthracene	**0.064J**	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:40	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:40	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:40	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:40	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:40	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:40	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/10/14 11:21	12/12/14 15:40	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:40	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:40	206-44-0	
Fluorene	**1.3**	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:40	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:40	193-39-5	
Naphthalene	**2.5**	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:40	91-20-3	
Phenanthrene	**0.65J**	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:40	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:40	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	45	%.	21-114	1	12/10/14 11:21	12/12/14 15:40	321-60-8	
p-Terphenyl-d14 (S)	56	%.	25-131	1	12/10/14 11:21	12/12/14 15:40	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**3580**	ug/L	125	25		12/18/14 16:42	71-43-2	
Ethylbenzene	**16.2**	ug/L	5.0	1		12/18/14 16:09	100-41-4	
Toluene	**22.3**	ug/L	5.0	1		12/18/14 16:09	108-88-3	
Xylene (Total)	**26.6**	ug/L	10.0	1		12/18/14 16:09	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	79-116	1		12/18/14 16:09	1868-53-7	
Toluene-d8 (S)	92	%.	81-110	1		12/18/14 16:09	2037-26-5	
4-Bromofluorobenzene (S)	110	%.	80-114	1		12/18/14 16:09	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: BP#215
Pace Project No.: 50108459

Sample: BPIT-DHW45-120514 **Lab ID: 50108459017** Collected: 12/05/14 11:45 Received: 12/05/14 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**0.87J**	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:57	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:57	208-96-8	
Anthracene	**0.057J**	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:57	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:57	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:57	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:57	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:57	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:57	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/10/14 11:21	12/12/14 15:57	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:57	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:57	206-44-0	
Fluorene	**1.3**	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:57	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 15:57	193-39-5	
Naphthalene	**2.2**	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:57	91-20-3	
Phenanthrene	**0.78J**	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:57	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 15:57	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	44	%.	21-114	1	12/10/14 11:21	12/12/14 15:57	321-60-8	
p-Terphenyl-d14 (S)	60	%.	25-131	1	12/10/14 11:21	12/12/14 15:57	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**1250**	ug/L	50.0	10		12/18/14 17:46	71-43-2	
Ethylbenzene	**10.0**	ug/L	5.0	1		12/18/14 17:14	100-41-4	
Toluene	**9.8**	ug/L	5.0	1		12/18/14 17:14	108-88-3	
Xylene (Total)	**22.2**	ug/L	10.0	1		12/18/14 17:14	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	79-116	1		12/18/14 17:14	1868-53-7	
Toluene-d8 (S)	91	%.	81-110	1		12/18/14 17:14	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	80-114	1		12/18/14 17:14	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: BP#215
Pace Project No.: 50108459

Sample: BPIT-DHW49-120514 **Lab ID: 50108459018** Collected: 12/05/14 09:53 Received: 12/05/14 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 16:15	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 16:15	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 16:15	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 16:15	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 16:15	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 16:15	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 16:15	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 16:15	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/10/14 11:21	12/12/14 16:15	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 16:15	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 16:15	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 16:15	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 16:15	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 16:15	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 16:15	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 16:15	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	45	%.	21-114	1	12/10/14 11:21	12/12/14 16:15	321-60-8	
p-Terphenyl-d14 (S)	68	%.	25-131	1	12/10/14 11:21	12/12/14 16:15	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/18/14 07:35	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/18/14 07:35	100-41-4	
Toluene	ND	ug/L	5.0	1		12/18/14 07:35	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/18/14 07:35	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	79-116	1		12/18/14 07:35	1868-53-7	
Toluene-d8 (S)	90	%.	81-110	1		12/18/14 07:35	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	80-114	1		12/18/14 07:35	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: BP#215
Pace Project No.: 50108459

Sample: BPIT-EB05-120414 **Lab ID: 50108459019** Collected: 12/04/14 16:30 Received: 12/05/14 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 13:36	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 13:36	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 13:36	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 13:36	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 13:36	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 13:36	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 13:36	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 13:36	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/10/14 11:21	12/12/14 13:36	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 13:36	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 13:36	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 13:36	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 13:36	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 13:36	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 13:36	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 13:36	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	49	%.	21-114	1	12/10/14 11:21	12/12/14 13:36	321-60-8	
p-Terphenyl-d14 (S)	81	%.	25-131	1	12/10/14 11:21	12/12/14 13:36	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/18/14 06:14	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/18/14 06:14	100-41-4	
Toluene	ND	ug/L	5.0	1		12/18/14 06:14	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/18/14 06:14	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	79-116	1		12/18/14 06:14	1868-53-7	
Toluene-d8 (S)	90	%.	81-110	1		12/18/14 06:14	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	80-114	1		12/18/14 06:14	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: BP#215
Pace Project No.: 50108459

Sample: BPIT-EB06-120414 **Lab ID: 50108459020** Collected: 12/04/14 16:30 Received: 12/05/14 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 13:54	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 13:54	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 13:54	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 13:54	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 13:54	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 13:54	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 13:54	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 13:54	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/10/14 11:21	12/12/14 13:54	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 13:54	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 13:54	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 13:54	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 13:54	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 13:54	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 13:54	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 13:54	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	53	%.	21-114	1	12/10/14 11:21	12/12/14 13:54	321-60-8	
p-Terphenyl-d14 (S)	86	%.	25-131	1	12/10/14 11:21	12/12/14 13:54	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/18/14 06:47	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/18/14 06:47	100-41-4	
Toluene	ND	ug/L	5.0	1		12/18/14 06:47	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/18/14 06:47	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	79-116	1		12/18/14 06:47	1868-53-7	
Toluene-d8 (S)	90	%.	81-110	1		12/18/14 06:47	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	80-114	1		12/18/14 06:47	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: BP#215
Pace Project No.: 50108459

Sample: BPIT-EB07-120514 **Lab ID: 50108459021** Collected: 12/05/14 16:00 Received: 12/05/14 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 16:33	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 16:33	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 16:33	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 16:33	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 16:33	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 16:33	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 16:33	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 16:33	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/10/14 11:21	12/12/14 16:33	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 16:33	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 16:33	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 16:33	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 16:33	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 16:33	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 16:33	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 16:33	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	57	%.	21-114	1	12/10/14 11:21	12/12/14 16:33	321-60-8	
p-Terphenyl-d14 (S)	75	%.	25-131	1	12/10/14 11:21	12/12/14 16:33	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/18/14 08:07	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/18/14 08:07	100-41-4	
Toluene	ND	ug/L	5.0	1		12/18/14 08:07	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/18/14 08:07	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	79-116	1		12/18/14 08:07	1868-53-7	
Toluene-d8 (S)	90	%.	81-110	1		12/18/14 08:07	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	80-114	1		12/18/14 08:07	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: BP#215
Pace Project No.: 50108459

Sample: BPIT-EB08-120514 **Lab ID: 50108459022** Collected: 12/05/14 16:00 Received: 12/05/14 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 16:50	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 16:50	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 16:50	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 16:50	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 16:50	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 16:50	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 16:50	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 16:50	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/10/14 11:21	12/12/14 16:50	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 16:50	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 16:50	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 16:50	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 16:50	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 16:50	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 16:50	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 16:50	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	56	%.	21-114	1	12/10/14 11:21	12/12/14 16:50	321-60-8	
p-Terphenyl-d14 (S)	87	%.	25-131	1	12/10/14 11:21	12/12/14 16:50	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/18/14 08:39	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/18/14 08:39	100-41-4	
Toluene	ND	ug/L	5.0	1		12/18/14 08:39	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/18/14 08:39	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	106	%.	79-116	1		12/18/14 08:39	1868-53-7	
Toluene-d8 (S)	90	%.	81-110	1		12/18/14 08:39	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	80-114	1		12/18/14 08:39	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: BP#215
Pace Project No.: 50108459

Sample: BPIT-DUP02-120514 **Lab ID: 50108459023** Collected: 12/05/14 08:00 Received: 12/05/14 16:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**1.3**	ug/L	1.0	1	12/10/14 11:21	12/12/14 17:08	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 17:08	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 17:08	120-12-7	
Benzo(a)anthracene	**0.050J**	ug/L	0.10	1	12/10/14 11:21	12/12/14 17:08	56-55-3	
Benzo(a)pyrene	**0.051J**	ug/L	0.10	1	12/10/14 11:21	12/12/14 17:08	50-32-8	
Benzo(b)fluoranthene	**0.079J**	ug/L	0.10	1	12/10/14 11:21	12/12/14 17:08	205-99-2	
Benzo(g,h,i)perylene	**0.063J**	ug/L	0.10	1	12/10/14 11:21	12/12/14 17:08	191-24-2	
Benzo(k)fluoranthene	**0.067J**	ug/L	0.10	1	12/10/14 11:21	12/12/14 17:08	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/10/14 11:21	12/12/14 17:08	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 17:08	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 17:08	206-44-0	
Fluorene	**2.4**	ug/L	1.0	1	12/10/14 11:21	12/12/14 17:08	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/10/14 11:21	12/12/14 17:08	193-39-5	
Naphthalene	**2.8**	ug/L	1.0	1	12/10/14 11:21	12/12/14 17:08	91-20-3	
Phenanthrene	**2.5**	ug/L	1.0	1	12/10/14 11:21	12/12/14 17:08	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/10/14 11:21	12/12/14 17:08	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	31	%.	21-114	1	12/10/14 11:21	12/12/14 17:08	321-60-8	
p-Terphenyl-d14 (S)	41	%.	25-131	1	12/10/14 11:21	12/12/14 17:08	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**10300**	ug/L	250	50		12/18/14 18:51	71-43-2	
Ethylbenzene	**57.3**	ug/L	25.0	5		12/18/14 18:19	100-41-4	
Toluene	**69.6**	ug/L	25.0	5		12/18/14 18:19	108-88-3	
Xylene (Total)	**41.4J**	ug/L	50.0	5		12/18/14 18:19	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	93	%.	79-116	5		12/18/14 18:19	1868-53-7	D4
Toluene-d8 (S)	91	%.	81-110	5		12/18/14 18:19	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	80-114	5		12/18/14 18:19	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: BP#215
Pace Project No.: 50108459

QC Batch: MSV/71932 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 50108459009, 50108459010, 50108459011, 50108459012, 50108459019, 50108459020

METHOD BLANK: 1209336 — Matrix: Water
Associated Lab Samples: 50108459009, 50108459010, 50108459011, 50108459012, 50108459019, 50108459020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	5.0	12/18/14 00:53	
Ethylbenzene	ug/L	ND	5.0	12/18/14 00:53	
Toluene	ug/L	ND	5.0	12/18/14 00:53	
Xylene (Total)	ug/L	ND	10.0	12/18/14 00:53	
4-Bromofluorobenzene (S)	%.	98	80-114	12/18/14 00:53	
Dibromofluoromethane (S)	%.	104	79-116	12/18/14 00:53	
Toluene-d8 (S)	%.	90	81-110	12/18/14 00:53	

LABORATORY CONTROL SAMPLE: 1209337

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	45.4	91	74-122	
Ethylbenzene	ug/L	50	48.7	97	66-133	
Toluene	ug/L	50	42.6	85	72-122	
Xylene (Total)	ug/L	150	150	100	70-124	
4-Bromofluorobenzene (S)	%.			107	80-114	
Dibromofluoromethane (S)	%.			101	79-116	
Toluene-d8 (S)	%.			91	81-110	

MATRIX SPIKE SAMPLE: 1209339

Parameter	Units	50108459010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	608	50	739	260	62-129	M0
Ethylbenzene	ug/L	22.0	50	63.5	83	28-153	
Toluene	ug/L	3.9J	50	41.4	75	50-132	
Xylene (Total)	ug/L	20.2	150	149	86	29-145	
4-Bromofluorobenzene (S)	%.				107	80-114	
Dibromofluoromethane (S)	%.				102	79-116	
Toluene-d8 (S)	%.				90	81-110	

SAMPLE DUPLICATE: 1209338

Parameter	Units	50108459009 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	237	219	8	20	
Ethylbenzene	ug/L	4.6J	4.1J		20	
Toluene	ug/L	ND	2.8J		20	
Xylene (Total)	ug/L	12.5	11.3	10	20	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: BP#215
Pace Project No.: 50108459

SAMPLE DUPLICATE: 1209338

Parameter	Units	50108459009 Result	Dup Result	RPD	Max RPD	Qualifiers
4-Bromofluorobenzene (S)	%.	104	104	0		
Dibromofluoromethane (S)	%.	97	97	0		
Toluene-d8 (S)	%.	90	91	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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: BP#215
Pace Project No.: 50108459

QC Batch: MSV/71933 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 50108459001, 50108459002, 50108459003, 50108459004, 50108459005, 50108459006, 50108459007, 50108459008, 50108459018, 50108459021, 50108459022

METHOD BLANK: 1209340 — Matrix: Water
Associated Lab Samples: 50108459001, 50108459002, 50108459003, 50108459004, 50108459005, 50108459006, 50108459007, 50108459008, 50108459018, 50108459021, 50108459022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	5.0	12/18/14 01:09	
Ethylbenzene	ug/L	ND	5.0	12/18/14 01:09	
Toluene	ug/L	ND	5.0	12/18/14 01:09	
Xylene (Total)	ug/L	ND	10.0	12/18/14 01:09	
4-Bromofluorobenzene (S)	%.	99	80-114	12/18/14 01:09	
Dibromofluoromethane (S)	%.	106	79-116	12/18/14 01:09	
Toluene-d8 (S)	%.	91	81-110	12/18/14 01:09	

LABORATORY CONTROL SAMPLE: 1209341

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	44.9	90	74-122	
Ethylbenzene	ug/L	50	49.2	98	66-133	
Toluene	ug/L	50	42.5	85	72-122	
Xylene (Total)	ug/L	150	151	101	70-124	
4-Bromofluorobenzene (S)	%.			106	80-114	
Dibromofluoromethane (S)	%.			100	79-116	
Toluene-d8 (S)	%.			90	81-110	

MATRIX SPIKE SAMPLE: 1209343

Parameter	Units	50108459007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	ND	50	42.9	86	62-129	
Ethylbenzene	ug/L	ND	50	47.8	96	28-153	
Toluene	ug/L	ND	50	41.3	83	50-132	
Xylene (Total)	ug/L	ND	150	148	99	29-145	
4-Bromofluorobenzene (S)	%.				110	80-114	
Dibromofluoromethane (S)	%.				102	79-116	
Toluene-d8 (S)	%.				91	81-110	

SAMPLE DUPLICATE: 1209342

Parameter	Units	50108459006 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: BP#215
Pace Project No.: 50108459

SAMPLE DUPLICATE: 1209342

Parameter	Units	50108459006 Result	Dup Result	RPD	Max RPD	Qualifiers
Toluene	ug/L	ND	ND		20	
Xylene (Total)	ug/L	ND	ND		20	
4-Bromofluorobenzene (S)	%.	101	100	1		
Dibromofluoromethane (S)	%.	107	105	2		
Toluene-d8 (S)	%.	91	89	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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: BP#215
Pace Project No.: 50108459

QC Batch: MSV/72009 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 50108459013, 50108459014, 50108459015

METHOD BLANK: 1211053 Matrix: Water
Associated Lab Samples: 50108459013, 50108459014, 50108459015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	5.0	12/18/14 14:16	
Ethylbenzene	ug/L	ND	5.0	12/18/14 14:16	
Toluene	ug/L	ND	5.0	12/18/14 14:16	
Xylene (Total)	ug/L	ND	10.0	12/18/14 14:16	
4-Bromofluorobenzene (S)	%.	101	80-114	12/18/14 14:16	
Dibromofluoromethane (S)	%.	101	79-116	12/18/14 14:16	
Toluene-d8 (S)	%.	89	81-110	12/18/14 14:16	

LABORATORY CONTROL SAMPLE: 1211054

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	43.4	87	74-122	
Ethylbenzene	ug/L	50	46.7	93	66-133	
Toluene	ug/L	50	39.8	80	72-122	
Xylene (Total)	ug/L	150	143	96	70-124	
4-Bromofluorobenzene (S)	%.			110	80-114	
Dibromofluoromethane (S)	%.			104	79-116	
Toluene-d8 (S)	%.			89	81-110	

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: BP#215
Pace Project No.: 50108459

QC Batch: MSV/72010 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 50108459016, 50108459017, 50108459023

METHOD BLANK: 1211057 — Matrix: Water
Associated Lab Samples: 50108459016, 50108459017, 50108459023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	5.0	12/18/14 14:32	
Ethylbenzene	ug/L	ND	5.0	12/18/14 14:32	
Toluene	ug/L	ND	5.0	12/18/14 14:32	
Xylene (Total)	ug/L	ND	10.0	12/18/14 14:32	
4-Bromofluorobenzene (S)	%.	101	80-114	12/18/14 14:32	
Dibromofluoromethane (S)	%.	108	79-116	12/18/14 14:32	
Toluene-d8 (S)	%.	90	81-110	12/18/14 14:32	

LABORATORY CONTROL SAMPLE: 1211058

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	44.2	88	74-122	
Ethylbenzene	ug/L	50	49.3	99	66-133	
Toluene	ug/L	50	41.9	84	72-122	
Xylene (Total)	ug/L	150	152	101	70-124	
4-Bromofluorobenzene (S)	%.			108	80-114	
Dibromofluoromethane (S)	%.			101	79-116	
Toluene-d8 (S)	%.			91	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1211059 — 1211060

Parameter	Units	50108546009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	44.0	41.0	88	82	62-129	7	20	
Ethylbenzene	ug/L	ND	50	50	48.4	45.5	97	91	28-153	6	20	
Toluene	ug/L	ND	50	50	41.2	38.8	82	78	50-132	6	20	
Xylene (Total)	ug/L	ND	150	150	150	141	100	94	29-145	6	20	
4-Bromofluorobenzene (S)	%.						111	110	80-114			
Dibromofluoromethane (S)	%.						104	104	79-116			
Toluene-d8 (S)	%.						90	88	81-110			

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: BP#215
Pace Project No.: 50108459

QC Batch: OEXT/37684 — Analysis Method: EPA 8270 by SIM LVE
QC Batch Method: EPA 3510 — Analysis Description: 8270 Water PAH LV by SIM MSSV
Associated Lab Samples: 50108459002, 50108459003, 50108459004, 50108459005, 50108459006

METHOD BLANK: 1203387 — Matrix: Water
Associated Lab Samples: 50108459002, 50108459003, 50108459004, 50108459005, 50108459006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	1.0	12/12/14 01:46	
Acenaphthylene	ug/L	ND	1.0	12/12/14 01:46	
Anthracene	ug/L	ND	0.10	12/12/14 01:46	
Benzo(a)anthracene	ug/L	ND	0.10	12/12/14 01:46	
Benzo(a)pyrene	ug/L	ND	0.10	12/12/14 01:46	
Benzo(b)fluoranthene	ug/L	ND	0.10	12/12/14 01:46	
Benzo(g,h,i)perylene	ug/L	ND	0.10	12/12/14 01:46	
Benzo(k)fluoranthene	ug/L	ND	0.10	12/12/14 01:46	
Chrysene	ug/L	ND	0.50	12/12/14 01:46	
Dibenz(a,h)anthracene	ug/L	ND	0.10	12/12/14 01:46	
Fluoranthene	ug/L	ND	1.0	12/12/14 01:46	
Fluorene	ug/L	ND	1.0	12/12/14 01:46	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	12/12/14 01:46	
Naphthalene	ug/L	ND	1.0	12/12/14 01:46	
Phenanthrene	ug/L	ND	1.0	12/12/14 01:46	
Pyrene	ug/L	ND	1.0	12/12/14 01:46	
2-Fluorobiphenyl (S)	%.	65	21-114	12/12/14 01:46	
p-Terphenyl-d14 (S)	%.	90	25-131	12/12/14 01:46	

LABORATORY CONTROL SAMPLE: 1203388

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	10	7.9	79	39-117	
Acenaphthylene	ug/L	10	7.9	79	40-120	
Anthracene	ug/L	10	9.0	90	48-126	
Benzo(a)anthracene	ug/L	10	8.7	87	51-134	
Benzo(a)pyrene	ug/L	10	8.7	87	48-141	
Benzo(b)fluoranthene	ug/L	10	8.3	83	49-139	
Benzo(g,h,i)perylene	ug/L	10	8.0	80	44-134	
Benzo(k)fluoranthene	ug/L	10	8.4	84	48-140	
Chrysene	ug/L	10	9.4	94	53-136	
Dibenz(a,h)anthracene	ug/L	10	7.3	73	44-132	
Fluoranthene	ug/L	10	9.1	91	50-135	
Fluorene	ug/L	10	8.3	83	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	7.6	76	45-132	
Naphthalene	ug/L	10	7.2	72	30-112	
Phenanthrene	ug/L	10	8.7	87	47-128	
Pyrene	ug/L	10	9.1	91	50-134	
2-Fluorobiphenyl (S)	%.			66	21-114	
p-Terphenyl-d14 (S)	%.			85	25-131	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: BP#215
Pace Project No.: 50108459

QC Batch: OEXT/37692 — Analysis Method: EPA 8270 by SIM LVE
QC Batch Method: EPA 3510 — Analysis Description: 8270 Water PAH LV by SIM MSSV
Associated Lab Samples: 50108459007, 50108459008, 50108459009, 50108459010, 50108459011, 50108459012, 50108459013, 50108459014, 50108459015, 50108459016, 50108459017, 50108459018, 50108459019, 50108459020, 50108459021, 50108459022, 50108459023

METHOD BLANK: 1203610 — Matrix: Water
Associated Lab Samples: 50108459007, 50108459008, 50108459009, 50108459010, 50108459011, 50108459012, 50108459013, 50108459014, 50108459015, 50108459016, 50108459017, 50108459018, 50108459019, 50108459020, 50108459021, 50108459022, 50108459023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	1.0	12/12/14 08:15	
Acenaphthylene	ug/L	ND	1.0	12/12/14 08:15	
Anthracene	ug/L	ND	0.10	12/12/14 08:15	
Benzo(a)anthracene	ug/L	ND	0.10	12/12/14 08:15	
Benzo(a)pyrene	ug/L	ND	0.10	12/12/14 08:15	
Benzo(b)fluoranthene	ug/L	ND	0.10	12/12/14 08:15	
Benzo(g,h,i)perylene	ug/L	ND	0.10	12/12/14 08:15	
Benzo(k)fluoranthene	ug/L	ND	0.10	12/12/14 08:15	
Chrysene	ug/L	ND	0.50	12/12/14 08:15	
Dibenz(a,h)anthracene	ug/L	ND	0.10	12/12/14 08:15	
Fluoranthene	ug/L	ND	1.0	12/12/14 08:15	
Fluorene	ug/L	ND	1.0	12/12/14 08:15	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	12/12/14 08:15	
Naphthalene	ug/L	ND	1.0	12/12/14 08:15	
Phenanthrene	ug/L	ND	1.0	12/12/14 08:15	
Pyrene	ug/L	ND	1.0	12/12/14 08:15	
2-Fluorobiphenyl (S)	%.	52	21-114	12/12/14 08:15	
p-Terphenyl-d14 (S)	%.	91	25-131	12/12/14 08:15	

LABORATORY CONTROL SAMPLE: 1203611

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	10	6.2	62	39-117	
Acenaphthylene	ug/L	10	6.0	60	40-120	
Anthracene	ug/L	10	8.0	80	48-126	
Benzo(a)anthracene	ug/L	10	8.7	87	51-134	
Benzo(a)pyrene	ug/L	10	9.5	95	48-141	
Benzo(b)fluoranthene	ug/L	10	9.0	90	49-139	
Benzo(g,h,i)perylene	ug/L	10	9.3	93	44-134	
Benzo(k)fluoranthene	ug/L	10	9.7	97	48-140	
Chrysene	ug/L	10	10.2	102	53-136	
Dibenz(a,h)anthracene	ug/L	10	8.2	82	44-132	
Fluoranthene	ug/L	10	8.6	86	50-135	
Fluorene	ug/L	10	6.6	66	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	8.5	85	45-132	
Naphthalene	ug/L	10	5.4	54	30-112	

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: BP#215
Pace Project No.: 50108459

LABORATORY CONTROL SAMPLE: 1203611

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	10	7.6	76	47-128	
Pyrene	ug/L	10	8.8	88	50-134	
2-Fluorobiphenyl (S)	%.			52	21-114	
p-Terphenyl-d14 (S)	%.			87	25-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1203612 1203613

Parameter	Units	50108636025 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	ND	10	10	5.8	6.2	58	62	28-116	7	20	
Acenaphthylene	ug/L	ND	10	10	5.7	6.1	57	61	34-115	7	20	
Anthracene	ug/L	ND	10	10	6.0	6.6	60	66	39-121	9	20	
Benzo(a)anthracene	ug/L	ND	10	10	5.3	5.8	53	58	31-127	8	20	
Benzo(a)pyrene	ug/L	ND	10	10	4.2	5.3	42	53	10-121	23	20	R1
Benzo(b)fluoranthene	ug/L	ND	10	10	4.3	4.9	43	49	10-119	14	20	
Benzo(g,h,i)perylene	ug/L	ND	10	10	3.6	5.0	36	50	10-108	32	20	R1
Benzo(k)fluoranthene	ug/L	ND	10	10	4.2	5.6	42	56	10-118	30	20	R1
Chrysene	ug/L	ND	10	10	5.3	6.3	53	63	32-127	17	20	
Dibenz(a,h)anthracene	ug/L	ND	10	10	3.3	4.5	33	45	10-104	31	20	R1
Fluoranthene	ug/L	ND	10	10	7.0	7.3	70	73	38-131	5	20	
Fluorene	ug/L	ND	10	10	6.2	6.4	62	64	33-121	3	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10	10	3.4	4.6	34	46	10-108	30	20	R1
Naphthalene	ug/L	ND	10	10	5.7	5.9	57	59	16-119	4	20	
Phenanthrene	ug/L	ND	10	10	6.4	6.9	64	69	32-130	8	20	
Pyrene	ug/L	ND	10	10	6.9	6.8	69	68	39-131	2	20	
2-Fluorobiphenyl (S)	%.						50	54	21-114			
p-Terphenyl-d14 (S)	%.						51	53	25-131			

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: BP#215
Pace Project No.: 50108459

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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 (8270 listed analyte) decomposes to Azobenzene.

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

D4	Sample was diluted due to the presence of high levels of target analytes.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
R1	RPD value was outside control limits.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BP#215
Pace Project No.: 50108459

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50108459002	**BPIT-OW39-120414**	EPA 3510	OEXT/37684	EPA 8270 by SIM LVE	MSSV/16739
50108459003	**BPIT-DHW61-120414**	EPA 3510	OEXT/37684	EPA 8270 by SIM LVE	MSSV/16739
50108459004	**BPIT-OW14-120414**	EPA 3510	OEXT/37684	EPA 8270 by SIM LVE	MSSV/16739
50108459005	**BPIT-OW34-120414**	EPA 3510	OEXT/37684	EPA 8270 by SIM LVE	MSSV/16739
50108459006	**BPIT-OW31-120414**	EPA 3510	OEXT/37684	EPA 8270 by SIM LVE	MSSV/16739
50108459007	**BPIT-PZ3D-120414**	EPA 3510	OEXT/37692	EPA 8270 by SIM LVE	MSSV/16740
50108459008	**BPIT-OW37-120414**	EPA 3510	OEXT/37692	EPA 8270 by SIM LVE	MSSV/16740
50108459009	**BPIT-MW11-120414**	EPA 3510	OEXT/37692	EPA 8270 by SIM LVE	MSSV/16740
50108459010	**BPIT-DHW84-120414**	EPA 3510	OEXT/37692	EPA 8270 by SIM LVE	MSSV/16740
50108459011	**BPIT-OW12-120514**	EPA 3510	OEXT/37692	EPA 8270 by SIM LVE	MSSV/16740
50108459012	**BPIT-OW35-120514**	EPA 3510	OEXT/37692	EPA 8270 by SIM LVE	MSSV/16740
50108459013	**BPIT-OW13-120514**	EPA 3510	OEXT/37692	EPA 8270 by SIM LVE	MSSV/16740
50108459014	**BPIT-OW07-120514**	EPA 3510	OEXT/37692	EPA 8270 by SIM LVE	MSSV/16740
50108459015	**BPIT-DHW42-120514**	EPA 3510	OEXT/37692	EPA 8270 by SIM LVE	MSSV/16740
50108459016	**BPIT-DHW46-120514**	EPA 3510	OEXT/37692	EPA 8270 by SIM LVE	MSSV/16740
50108459017	**BPIT-DHW45-120514**	EPA 3510	OEXT/37692	EPA 8270 by SIM LVE	MSSV/16740
50108459018	**BPIT-DHW49-120514**	EPA 3510	OEXT/37692	EPA 8270 by SIM LVE	MSSV/16740
50108459019	**BPIT-EB05-120414**	EPA 3510	OEXT/37692	EPA 8270 by SIM LVE	MSSV/16740
50108459020	**BPIT-EB06-120414**	EPA 3510	OEXT/37692	EPA 8270 by SIM LVE	MSSV/16740
50108459021	**BPIT-EB07-120514**	EPA 3510	OEXT/37692	EPA 8270 by SIM LVE	MSSV/16740
50108459022	**BPIT-EB08-120514**	EPA 3510	OEXT/37692	EPA 8270 by SIM LVE	MSSV/16740
50108459023	**BPIT-DUP02-120514**	EPA 3510	OEXT/37692	EPA 8270 by SIM LVE	MSSV/16740
50108459001	**BPIT-TRIPBLANK02-120414**	EPA 8260	MSV/71933		
50108459002	**BPIT-OW39-120414**	EPA 8260	MSV/71933		
50108459003	**BPIT-DHW61-120414**	EPA 8260	MSV/71933		
50108459004	**BPIT-OW14-120414**	EPA 8260	MSV/71933		
50108459005	**BPIT-OW34-120414**	EPA 8260	MSV/71933		
50108459006	**BPIT-OW31-120414**	EPA 8260	MSV/71933		
50108459007	**BPIT-PZ3D-120414**	EPA 8260	MSV/71933		
50108459008	**BPIT-OW37-120414**	EPA 8260	MSV/71933		
50108459009	**BPIT-MW11-120414**	EPA 8260	MSV/71932		
50108459010	**BPIT-DHW84-120414**	EPA 8260	MSV/71932		
50108459011	**BPIT-OW12-120514**	EPA 8260	MSV/71932		
50108459012	**BPIT-OW35-120514**	EPA 8260	MSV/71932		
50108459013	**BPIT-OW13-120514**	EPA 8260	MSV/72009		
50108459014	**BPIT-OW07-120514**	EPA 8260	MSV/72009		
50108459015	**BPIT-DHW42-120514**	EPA 8260	MSV/72009		
50108459016	**BPIT-DHW46-120514**	EPA 8260	MSV/72010		
50108459017	**BPIT-DHW45-120514**	EPA 8260	MSV/72010		
50108459018	**BPIT-DHW49-120514**	EPA 8260	MSV/71933		
50108459019	**BPIT-EB05-120414**	EPA 8260	MSV/71932		
50108459020	**BPIT-EB06-120414**	EPA 8260	MSV/71932		
50108459021	**BPIT-EB07-120514**	EPA 8260	MSV/71933		
50108459022	**BPIT-EB08-120514**	EPA 8260	MSV/71933		

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BP#215
Pace Project No.: 50108459

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50108459023	**BPIT-DUP02-120514**	EPA 8260	MSV/72010		

Laboratory Management Program Lab Chain of Custody Record

TMS

Page 1 of 3

BP Site Node Path: BP > USA > IN > Marion > Indianapolis Termina

Req Due Date (mm/dd/yy): _____ Rush TAT: Yes ___ No X

BP Facility No: # 215

Lab Work Order Number: _____

Lab Name:	Pace Analytical	Facility Address:	2500 North Tibbs Ave.	Consultant/Contractor:	Stantec Consulting Corp.
Lab Address:	7726 Moller Road, Indianapolis, IN 46268	City, State, ZIP Code:	Indianapolis, IN 46222	Consultant/Contractor Project No:	182612301.601.681
Lab PM:	Tina Sayer	Lead Regulatory Agency:	EPA	Address:	8770 Guion Rd., Suite B, Indianapolis, IN 46268
Lab Phone:	317-875-5894	California Global ID No.:		Consultant/Contractor PM:	Kyle Amberger
Lab Shipping Accnt:		Enfos Proposal No:	007VX-0017	Phone:	317-876-8375 x 240 Email: kyle.amberger@stantec.com
Lab Bottle Order No:		Accounting Mode:	Provision X OOC-BU ___ OOC-RM ___	Email EDD To:	Kyle Amberger and to lab.enfosdoc@bp.com
Other Info:		Stage:	OMM 60 Activity: Project Spend 81	Invoice To:	BP X Contractor ___

BP Project Manager (PM): Bruno Mancini

BP PM Phone: 216-271-8852

BP PM Email: bruno.mancini@bp.com

Report Type & QC Level: Standard X; Full Data Package ___

50108459

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	BTEX by 8260	PAHs by 8270SIM	Comments
001	BPIT-TRIPBLANK02-120414	12/4/14	—		X		N	3				3		X		
002	BPIT-OW39-120414	12/4/14	1419		X		Y	5	2			3		X	X	
003	BPIT-DHW61-120414	12/4/14	1523		X		Y	5	2			3		X	X	
004	BPIT-OW14-120414	12/4/14	1545		X		Y	5	2			3		X	X	
005	BPIT-OW34-120414	12/4/14	1115		X		Y	5	2			3		X	X	
006	BPIT-OW31-120414	12/4/14	1135		X		Y	5	2			3		X	X	
007	BPIT-P23D-120414	12/4/14	1400		X		Y	5	2			3		X	X	
008	BPIT-OW37-120414	12/4/14	0925		X		Y	5	2			3		X	X	
009	BPIT-MW11-120414	12/4/14	0945		X		Y	5	2			3		X	X	
010	BPIT-DHW84-120414	12/4/14	0930		X		Y	5	2			3		X	X	

Comments: Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Neil DuKowy						
Sampler's Company: Stantec	[signature] / STANTEC	12/5/14	1645	[signature] / Pace	12.5.14	1645
Shipment Method: Hand Deliver Ship Date: 12/5/14						
Shipment Tracking No:						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No (Yes) | Temp Blank: (Yes) / No | Cooler Temp on Receipt: 1.1 °F/C | Trip Blank: (Yes) / No | MS/MSD Sample Submitted: Yes / (No)

Laboratory Management Program Lab Chain of Custody Record

BP Site Node Path: BP > USA > IN > Marion > Indianapolis Termina

Req Due Date (mm/dd/yy): _____ Rush TAT: Yes ___ No X

BP Facility No: # 215

Lab Work Order Number: _____

Lab Name:	Pace Analytical	Facility Address:	2500 North Tibbs Ave.	Consultant/Contractor:	Stantec Consulting Corp.
Lab Address:	7726 Moller Road, Indianapolis, IN 46268	City, State, ZIP Code:	Indianapolis, IN 46222	Consultant/Contractor Project No:	182612301.601.681
Lab PM:	Tina Sayer	Lead Regulatory Agency:	EPA	Address:	8770 Guion Rd., Suite B, Indianapolis, IN 46268
Lab Phone:	317-875-5894	California Global ID No.:		Consultant/Contractor PM:	Kyle Amberger
Lab Shipping Accnt:		Enfos Proposal No:	007VX-0017	Phone:	317-876-8375 x 240 Email: kyle.amberger@stantec.com
Lab Bottle Order No:		Accounting Mode:	Provision X OOC-BU ___ OOC-RM ___	Email EDD To:	Kyle Amberger and to lab.enfosdoc@bp.com
Other Info:		Stage:	OMM 60 Activity: Project Spend 81	Invoice To:	BP X Contractor ___

BP Project Manager (PM): Bruno Mancini

BP PM Phone: 216-271-8852

BP PM Email: bruno.mancini@bp.com

Report Type & QC Level: Standard X; Full Data Package ___

50108459

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	BTEX by 8260	PAHs by 8270SIM	Comments
011	BPIT-OW12-120514	12/5/14	1405		X		Y	5	2			3		X	X	
012	BPIT-OW35-120514	12/5/14	1040		X		X	5	2			3		X	X	
013	BPIT OW13-120514	12/5/14	1056		X		Y	5	2			3		X	X	
014	BPIT-OW07-120514	12/5/14	1520		X		X	5	2			3		X	X	
015	BPIT-DHW42-120514	12/5/14	1450		X		X	5	2			3		X	X	
016	BPIT-DHW46-120514	12/5/14	1050		X		X	5	2			3		X	X	
017	BPIT-DHW45-120514	12/5/14	1145		X		X	5	2			3		X	X	
018	BPIT-DHW49-120514	12/5/14	0953		X		X	5	2			3		X	X	
019	BPIT-EB05-120414	12/4/14	1630		X		N	5	2			3		X	X	
020	BPIT-EB06-120414	12/4/14	1630		X		N	5	2			3		X	X	

Comments: Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Neil Bukowiez						
Sampler's Company: Stantec	[signature] / STANTEC	12/5/14	1645	[signature] / Pace	12-5-14	1645
Shipment Method: Hand Deliver Ship Date: 12/5/14						
Shipment Tracking No: ———						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No (No circled) | Temp Blank: Yes / No (Yes circled) | Cooler Temp on Receipt: (4) °F/C | Trip Blank: Yes / No (Yes circled) | MS/MSD Sample Submitted: Yes / No (No circled)

Laboratory Management Program Lab Chain of Custody Record

BP Site Node Path: BP > USA > IN > Marion > Indianapolis Termina Req Due Date (mm/dd/yy): _____ Rush TAT: Yes ___ No X

BP Facility No: # 215 Lab Work Order Number: _____

Lab Name: Pace Analytical	Facility Address: 2500 North Tibbs Ave.	Consultant/Contractor: Stantec Consulting Corp.
Lab Address: 7726 Moller Road, Indianapolis, IN 46268	City, State, ZIP Code: Indianapolis, IN 46222	Consultant/Contractor Project No: 182612301.601.681
Lab PM: Tina Sayer	Lead Regulatory Agency: EPA	Address: 8770 Guion Rd., Suite B, Indianapolis, IN 46268
Lab Phone: 317-875-5894	California Global ID No.:	Consultant/Contractor PM: Kyle Amberger
Lab Shipping Accnt:	Enfos Proposal No: 007VX-0017	Phone: 317-876-8375 x 240 Email: kyle.amberger@stantec.com
Lab Bottle Order No:	Accounting Mode: Provision X OOC-BU ___ OOC-RM ___	Email EDD To: Kyle Amberger and to lab.enfosdoc@bp.com
Other Info:	Stage: OMM 60 Activity: Project Spend 81	Invoice To: BP X Contractor ___

BP Project Manager (PM): Bruno Mancini
BP PM Phone: 216-271-8852
BP PM Email: bruno.mancini@bp.com

Report Type & QC Level: Standard X; Full Data Package ___

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	BTEX by 8260	PAHs by 8270SIM	Comments
021	BPIT-EB07-120514	12/5/14	1600		X		N	5	2			3		X	X	
022	BPIT-EB08-120514	12/5/14	1600		X		N	5	2			3		X	X	
023	BPIT-DUP02-120514	12/5/14	→		X		Y	5	2			3		X	X	

5D108459

Comments: Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

Sampler's Name: Neal Bulcewicz	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Stantec	[signature] / STANTEC	12/5/14	1645	[signature] / Pace	12-5-14	1645
Shipment Method: Hand Deliver Ship Date: 12/5/14						
Shipment Tracking No:						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 1.1 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

Sample Condition Upon Receipt

Pace Analytical

Client Name: BP Project # 50108459

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

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

Date/Time 5035A kits placed in freezer _____

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer 1 2 3 4 5 6 A B C D E F **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 1.1 **Ice Visible in Sample Containers:** ☐ yes ☒ no
(Corrected, if applicable)

Temp should be above freezing to 6°C

Date and Initials of person examining contents: JLK 12-5-14

				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 & Signature on COC:	☒Yes	☐No	☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes	☒No	☐N/A	5.
Rush Turn Around Time Requested:	☐Yes	☒No	☐N/A	6.
Containers Intact:	☒Yes	☐No	☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☒Yes	☐No	☐N/A	8.
All containers needing acid/base pres. have been checked? **exceptions: VOA, coliform, TOC, O&G** All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.	☐Yes	☐No	☒N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
Headspace in VOA Vials (>6mm):	☐Yes	☒No	☐N/A	10.
Trip Blank Present:	☒Yes	☐No	☐N/A	11.
Trip Blank Custody Seals Present	☒Yes	☐No	☐N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	12.
Sufficient Volume:	☒Yes	☐No	☐N/A	13.
Correct Containers Used:	☒Yes	☐No	☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Kenneth Hunt **Date:** 12/16/14

Form F-IN-Q-290-rev.06, 05Aug2014

Sample Container Count

CLIENT: BP

COC PAGE 1 of 3
COC ID#

Project # 50108459

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST	AG3U	pH <2	pH>12	Comments
1	3																X			
2	3																2			
3	3																2			
4	3																2			
5	3																2			
6	3																2			
7	3																2			
8	3																2			
9	3																2			
10	3																2			
11																				
12																				

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count

Pace Analytical
www.pacelabs.com

CLIENT: BP

COC PAGE 24 of 33
COC ID#

Project # SD108459

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST	AG3U	pH <2	pH>12	Comments
1	3																2			
2	3																2			
3	3																2			
4	3																2			
5	3																2			
6	3																2			
7	3																2			
8	3																2			
9	3																2			
10	3																2			
11																				
12																				

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count

Pace Analytical
www.pacelabs.com

CLIENT: BP

COC PAGE 3 of 3
COC ID#

Project # 50108459

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST	A63U	pH <2	pH>12	Comments
1	3																	2			
2	3																	2			
3	3																	2			
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

December 22, 2014

Mr. Kyle Amberger
Stantec
8770 Guion Rd
Suite B
Indianapolis, IN 46268

RE: Project: Indianapolis Terminal BP#215
Pace Project No.: 50108603

Dear Mr. Amberger:
Enclosed are the analytical results for sample(s) received by the laboratory on December 08, 2014. 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.

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

Sincerely,

Tina Sayer

Tina Sayer
tina.sayer@pacelabs.com
Project Manager

Enclosures

cc: Mr. Ryan Julien, Stantec

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project:	Indianapolis Terminal BP#215
Pace Project No.:	50108603

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky UST Certification #: 0042
Louisiana/NELAP Certification #: 04076
Ohio VAP Certification #: CL-0065
West Virginia Certification #: 330

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108603

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50108603001	**BPIT-EB09-120814**	Water	12/08/14 16:55	12/08/14 17:45
50108603002	**BPIT-EB10-120814**	Water	12/08/14 17:00	12/08/14 17:45
50108603003	**BPIT-DHW111-120814**	Water	12/08/14 14:37	12/08/14 17:45
50108603004	**BPIT-DHW109-120814**	Water	12/08/14 15:55	12/08/14 17:45
50108603005	**BPIT-OW15-120814**	Water	12/08/14 14:25	12/08/14 17:45
50108603006	**BPIT-DHW108-120814**	Water	12/08/14 15:15	12/08/14 17:45
50108603007	**BPIT-DHW73-120814**	Water	12/08/14 16:25	12/08/14 17:45
50108603008	**BPIT-TripBlank03-120814**	Water	12/08/14 08:00	12/08/14 17:45

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108603

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50108603001	**BPIT-EB09-120814**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108603002	**BPIT-EB10-120814**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108603003	**BPIT-DHW111-120814**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108603004	**BPIT-DHW109-120814**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108603005	**BPIT-OW15-120814**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108603006	**BPIT-DHW108-120814**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108603007	**BPIT-DHW73-120814**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50108603008	**BPIT-TripBlank03-120814**	EPA 8260	DAE	7

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108603

Sample: BPIT-EB09-120814 **Lab ID: 50108603001** Collected: 12/08/14 16:55 Received: 12/08/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/11/14 14:05	12/16/14 15:43	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/11/14 14:05	12/16/14 15:43	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/11/14 14:05	12/16/14 15:43	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/11/14 14:05	12/16/14 15:43	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/11/14 14:05	12/16/14 15:43	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/11/14 14:05	12/16/14 15:43	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/11/14 14:05	12/16/14 15:43	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/11/14 14:05	12/16/14 15:43	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/11/14 14:05	12/16/14 15:43	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/11/14 14:05	12/16/14 15:43	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/11/14 14:05	12/16/14 15:43	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/11/14 14:05	12/16/14 15:43	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/11/14 14:05	12/16/14 15:43	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/11/14 14:05	12/16/14 15:43	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/11/14 14:05	12/16/14 15:43	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/11/14 14:05	12/16/14 15:43	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	57	%.	21-114	1	12/11/14 14:05	12/16/14 15:43	321-60-8	
p-Terphenyl-d14 (S)	83	%.	25-131	1	12/11/14 14:05	12/16/14 15:43	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/19/14 06:42	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/19/14 06:42	100-41-4	
Toluene	ND	ug/L	5.0	1		12/19/14 06:42	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/19/14 06:42	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	109	%.	79-116	1		12/19/14 06:42	1868-53-7	
Toluene-d8 (S)	86	%.	81-110	1		12/19/14 06:42	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	80-114	1		12/19/14 06:42	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108603

Sample: BPIT-EB10-120814 **Lab ID: 50108603002** Collected: 12/08/14 17:00 Received: 12/08/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/11/14 14:05	12/16/14 16:00	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/11/14 14:05	12/16/14 16:00	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/11/14 14:05	12/16/14 16:00	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/11/14 14:05	12/16/14 16:00	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/11/14 14:05	12/16/14 16:00	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/11/14 14:05	12/16/14 16:00	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/11/14 14:05	12/16/14 16:00	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/11/14 14:05	12/16/14 16:00	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/11/14 14:05	12/16/14 16:00	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/11/14 14:05	12/16/14 16:00	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/11/14 14:05	12/16/14 16:00	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/11/14 14:05	12/16/14 16:00	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/11/14 14:05	12/16/14 16:00	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/11/14 14:05	12/16/14 16:00	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/11/14 14:05	12/16/14 16:00	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/11/14 14:05	12/16/14 16:00	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	52	%.	21-114	1	12/11/14 14:05	12/16/14 16:00	321-60-8	
p-Terphenyl-d14 (S)	81	%.	25-131	1	12/11/14 14:05	12/16/14 16:00	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/19/14 07:14	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/19/14 07:14	100-41-4	
Toluene	ND	ug/L	5.0	1		12/19/14 07:14	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/19/14 07:14	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	110	%.	79-116	1		12/19/14 07:14	1868-53-7	
Toluene-d8 (S)	87	%.	81-110	1		12/19/14 07:14	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	80-114	1		12/19/14 07:14	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108603

Sample: BPIT-DHW111-120814 **Lab ID: 50108603003** Collected: 12/08/14 14:37 Received: 12/08/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**1.0**	ug/L	1.0	1	12/11/14 16:23	12/13/14 11:41	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 11:41	208-96-8	
Anthracene	**0.12**	ug/L	0.10	1	12/11/14 16:23	12/13/14 11:41	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 11:41	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 11:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 11:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 11:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 11:41	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/11/14 16:23	12/13/14 11:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 11:41	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 11:41	206-44-0	
Fluorene	**2.1**	ug/L	1.0	1	12/11/14 16:23	12/13/14 11:41	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 11:41	193-39-5	
Naphthalene	**21.8**	ug/L	1.0	1	12/11/14 16:23	12/13/14 11:41	91-20-3	
Phenanthrene	**1.4**	ug/L	1.0	1	12/11/14 16:23	12/13/14 11:41	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 11:41	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	40	%.	21-114	1	12/11/14 16:23	12/13/14 11:41	321-60-8	
p-Terphenyl-d14 (S)	34	%.	25-131	1	12/11/14 16:23	12/13/14 11:41	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**9900**	ug/L	250	50		12/19/14 08:18	71-43-2	
Ethylbenzene	**282**	ug/L	25.0	5		12/19/14 07:46	100-41-4	
Toluene	**58.0**	ug/L	25.0	5		12/19/14 07:46	108-88-3	
Xylene (Total)	**261**	ug/L	50.0	5		12/19/14 07:46	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%.	79-116	5		12/19/14 07:46	1868-53-7	D4
Toluene-d8 (S)	87	%.	81-110	5		12/19/14 07:46	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	80-114	5		12/19/14 07:46	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108603

Sample: BPIT-DHW109-120814 **Lab ID: 50108603004** Collected: 12/08/14 15:55 Received: 12/08/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 11:59	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 11:59	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 11:59	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 11:59	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 11:59	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 11:59	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 11:59	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 11:59	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/11/14 16:23	12/13/14 11:59	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 11:59	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 11:59	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 11:59	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 11:59	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 11:59	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 11:59	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 11:59	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	45	%.	21-114	1	12/11/14 16:23	12/13/14 11:59	321-60-8	
p-Terphenyl-d14 (S)	55	%.	25-131	1	12/11/14 16:23	12/13/14 11:59	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**769**	ug/L	50.0	10		12/19/14 16:24	71-43-2	
Ethylbenzene	**3.4J**	ug/L	5.0	1		12/19/14 08:51	100-41-4	
Toluene	**4.5J**	ug/L	5.0	1		12/19/14 08:51	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/19/14 08:51	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	79-116	1		12/19/14 08:51	1868-53-7	
Toluene-d8 (S)	88	%.	81-110	1		12/19/14 08:51	2037-26-5	
4-Bromofluorobenzene (S)	107	%.	80-114	1		12/19/14 08:51	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108603

Sample: BPIT-OW15-120814 **Lab ID: 50108603005** Collected: 12/08/14 14:25 Received: 12/08/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**1.5**	ug/L	1.0	1	12/11/14 16:23	12/13/14 12:17	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 12:17	208-96-8	
Anthracene	**0.11**	ug/L	0.10	1	12/11/14 16:23	12/13/14 12:17	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 12:17	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 12:17	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 12:17	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 12:17	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 12:17	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/11/14 16:23	12/13/14 12:17	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 12:17	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 12:17	206-44-0	
Fluorene	**1.9**	ug/L	1.0	1	12/11/14 16:23	12/13/14 12:17	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 12:17	193-39-5	
Naphthalene	**2.9**	ug/L	1.0	1	12/11/14 16:23	12/13/14 12:17	91-20-3	
Phenanthrene	**1.4**	ug/L	1.0	1	12/11/14 16:23	12/13/14 12:17	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 12:17	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	45	%.	21-114	1	12/11/14 16:23	12/13/14 12:17	321-60-8	
p-Terphenyl-d14 (S)	38	%.	25-131	1	12/11/14 16:23	12/13/14 12:17	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**6300**	ug/L	125	25		12/19/14 16:56	71-43-2	
Ethylbenzene	**76.7**	ug/L	5.0	1		12/19/14 09:23	100-41-4	
Toluene	**56.9**	ug/L	5.0	1		12/19/14 09:23	108-88-3	
Xylene (Total)	**95.9**	ug/L	10.0	1		12/19/14 09:23	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	79-116	1		12/19/14 09:23	1868-53-7	
Toluene-d8 (S)	87	%.	81-110	1		12/19/14 09:23	2037-26-5	
4-Bromofluorobenzene (S)	108	%.	80-114	1		12/19/14 09:23	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108603

Sample: BPIT-DHW108-120814 **Lab ID: 50108603006** Collected: 12/08/14 15:15 Received: 12/08/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 12:34	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 12:34	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 12:34	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 12:34	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 12:34	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 12:34	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 12:34	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 12:34	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/11/14 16:23	12/13/14 12:34	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 12:34	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 12:34	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 12:34	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 12:34	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 12:34	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 12:34	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 12:34	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	47	%.	21-114	1	12/11/14 16:23	12/13/14 12:34	321-60-8	
p-Terphenyl-d14 (S)	57	%.	25-131	1	12/11/14 16:23	12/13/14 12:34	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**1.9J**	ug/L	5.0	1		12/19/14 09:55	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/19/14 09:55	100-41-4	
Toluene	ND	ug/L	5.0	1		12/19/14 09:55	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/19/14 09:55	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	105	%.	79-116	1		12/19/14 09:55	1868-53-7	
Toluene-d8 (S)	87	%.	81-110	1		12/19/14 09:55	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	80-114	1		12/19/14 09:55	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108603

Sample: BPIT-DHW73-120814 **Lab ID: 50108603007** Collected: 12/08/14 16:25 Received: 12/08/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 13:27	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 13:27	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 13:27	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 13:27	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 13:27	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 13:27	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 13:27	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 13:27	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/11/14 16:23	12/13/14 13:27	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 13:27	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 13:27	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 13:27	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/11/14 16:23	12/13/14 13:27	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 13:27	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 13:27	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/11/14 16:23	12/13/14 13:27	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	58	%.	21-114	1	12/11/14 16:23	12/13/14 13:27	321-60-8	
p-Terphenyl-d14 (S)	73	%.	25-131	1	12/11/14 16:23	12/13/14 13:27	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**3.0J**	ug/L	5.0	1		12/19/14 12:04	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/19/14 12:04	100-41-4	
Toluene	ND	ug/L	5.0	1		12/19/14 12:04	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/19/14 12:04	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	108	%.	79-116	1		12/19/14 12:04	1868-53-7	
Toluene-d8 (S)	87	%.	81-110	1		12/19/14 12:04	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	80-114	1		12/19/14 12:04	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108603

Sample: BPIT-TripBlank03-120814 **Lab ID: 50108603008** Collected: 12/08/14 08:00 Received: 12/08/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/19/14 06:09	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/19/14 06:09	100-41-4	
Toluene	ND	ug/L	5.0	1		12/19/14 06:09	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/19/14 06:09	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	109	%.	79-116	1		12/19/14 06:09	1868-53-7	
Toluene-d8 (S)	87	%.	81-110	1		12/19/14 06:09	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	80-114	1		12/19/14 06:09	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108603

QC Batch: MSV/72012 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 50108603001, 50108603002, 50108603003, 50108603004, 50108603005, 50108603006, 50108603007, 50108603008

METHOD BLANK: 1211066 — Matrix: Water
Associated Lab Samples: 50108603001, 50108603002, 50108603003, 50108603004, 50108603005, 50108603006, 50108603007, 50108603008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	5.0	12/19/14 02:56	
Ethylbenzene	ug/L	ND	5.0	12/19/14 02:56	
Toluene	ug/L	ND	5.0	12/19/14 02:56	
Xylene (Total)	ug/L	ND	10.0	12/19/14 02:56	
4-Bromofluorobenzene (S)	%.	102	80-114	12/19/14 02:56	
Dibromofluoromethane (S)	%.	107	79-116	12/19/14 02:56	
Toluene-d8 (S)	%.	86	81-110	12/19/14 02:56	

LABORATORY CONTROL SAMPLE: 1211067

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	43.8	88	74-122	
Ethylbenzene	ug/L	50	49.1	98	66-133	
Toluene	ug/L	50	41.3	83	72-122	
Xylene (Total)	ug/L	150	150	100	70-124	
4-Bromofluorobenzene (S)	%.			110	80-114	
Dibromofluoromethane (S)	%.			102	79-116	
Toluene-d8 (S)	%.			88	81-110	

MATRIX SPIKE SAMPLE: 1211069

Parameter	Units	50108603007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	3.0J	50	40.4	75	62-129	
Ethylbenzene	ug/L	ND	50	41.1	82	28-153	
Toluene	ug/L	ND	50	34.4	69	50-132	
Xylene (Total)	ug/L	ND	150	127	85	29-145	
4-Bromofluorobenzene (S)	%.				111	80-114	
Dibromofluoromethane (S)	%.				105	79-116	
Toluene-d8 (S)	%.				88	81-110	

SAMPLE DUPLICATE: 1211068

Parameter	Units	50108603006 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	1.9J	ND		20	
Ethylbenzene	ug/L	ND	ND		20	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108603

SAMPLE DUPLICATE: 1211068

Parameter	Units	50108603006 Result	Dup Result	RPD	Max RPD	Qualifiers
Toluene	ug/L	ND	ND		20	
Xylene (Total)	ug/L	ND	ND		20	
4-Bromofluorobenzene (S)	%.	104	104	0		
Dibromofluoromethane (S)	%.	105	107	2		
Toluene-d8 (S)	%.	87	86	1		

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108603

QC Batch: OEXT/37712
Analysis Method: EPA 8270 by SIM LVE
QC Batch Method: EPA 3510
Analysis Description: 8270 Water PAH LV by SIM MSSV
Associated Lab Samples: 50108603001, 50108603002

METHOD BLANK: 1204988
Matrix: Water
Associated Lab Samples: 50108603001, 50108603002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	1.0	12/16/14 08:38	
Acenaphthylene	ug/L	ND	1.0	12/16/14 08:38	
Anthracene	ug/L	ND	0.10	12/16/14 08:38	
Benzo(a)anthracene	ug/L	ND	0.10	12/16/14 08:38	
Benzo(a)pyrene	ug/L	ND	0.10	12/16/14 08:38	
Benzo(b)fluoranthene	ug/L	ND	0.10	12/16/14 08:38	
Benzo(g,h,i)perylene	ug/L	ND	0.10	12/16/14 08:38	
Benzo(k)fluoranthene	ug/L	ND	0.10	12/16/14 08:38	
Chrysene	ug/L	ND	0.50	12/16/14 08:38	
Dibenz(a,h)anthracene	ug/L	ND	0.10	12/16/14 08:38	
Fluoranthene	ug/L	ND	1.0	12/16/14 08:38	
Fluorene	ug/L	ND	1.0	12/16/14 08:38	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	12/16/14 08:38	
Naphthalene	ug/L	ND	1.0	12/16/14 08:38	
Phenanthrene	ug/L	ND	1.0	12/16/14 08:38	
Pyrene	ug/L	ND	1.0	12/16/14 08:38	
2-Fluorobiphenyl (S)	%.	62	21-114	12/16/14 08:38	
p-Terphenyl-d14 (S)	%.	100	25-131	12/16/14 08:38	

LABORATORY CONTROL SAMPLE: 1204989

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	10	7.5	75	39-117	
Acenaphthylene	ug/L	10	7.5	75	40-120	
Anthracene	ug/L	10	10.2	102	48-126	
Benzo(a)anthracene	ug/L	10	10.7	107	51-134	
Benzo(a)pyrene	ug/L	10	8.0	80	48-141	
Benzo(b)fluoranthene	ug/L	10	7.6	76	49-139	
Benzo(g,h,i)perylene	ug/L	10	6.7	67	44-134	
Benzo(k)fluoranthene	ug/L	10	7.1	71	48-140	
Chrysene	ug/L	10	10.1	101	53-136	
Dibenz(a,h)anthracene	ug/L	10	6.8	68	44-132	
Fluoranthene	ug/L	10	11.3	113	50-135	
Fluorene	ug/L	10	8.5	85	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	6.7	67	45-132	
Naphthalene	ug/L	10	6.1	61	30-112	
Phenanthrene	ug/L	10	9.6	96	47-128	
Pyrene	ug/L	10	10.2	102	50-134	
2-Fluorobiphenyl (S)	%.			56	21-114	
p-Terphenyl-d14 (S)	%.			89	25-131	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108603

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1204990 1204991

Parameter	Units	50108546009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	ND	10	10	8.1	8.3	81	83	28-116	2	20	
Acenaphthylene	ug/L	ND	10	10	8.4	8.8	84	88	34-115	5	20	
Anthracene	ug/L	ND	10	10	9.5	9.9	95	99	39-121	4	20	
Benzo(a)anthracene	ug/L	ND	10	10	7.4	7.7	74	77	31-127	5	20	
Benzo(a)pyrene	ug/L	ND	10	10	5.1	5.3	51	53	10-121	5	20	
Benzo(b)fluoranthene	ug/L	ND	10	10	4.9	4.9	49	49	10-119	0	20	
Benzo(g,h,i)perylene	ug/L	ND	10	10	4.1	4.1	41	41	10-108	0	20	
Benzo(k)fluoranthene	ug/L	ND	10	10	4.7	4.9	47	49	10-118	5	20	
Chrysene	ug/L	ND	10	10	7.0	7.5	70	75	32-127	7	20	
Dibenz(a,h)anthracene	ug/L	ND	10	10	4.2	4.1	42	41	10-104	2	20	
Fluoranthene	ug/L	ND	10	10	9.5	10.2	95	102	38-131	6	20	
Fluorene	ug/L	ND	10	10	8.9	9.2	89	92	33-121	4	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10	10	4.1	4.1	41	41	10-108	1	20	
Naphthalene	ug/L	ND	10	10	7.2	7.2	72	72	16-119	1	20	
Phenanthrene	ug/L	ND	10	10	9.1	9.5	91	95	32-130	4	20	
Pyrene	ug/L	ND	10	10	8.5	9.0	85	90	39-131	6	20	
2-Fluorobiphenyl (S)	%.						66	68	21-114			
p-Terphenyl-d14 (S)	%.						65	68	25-131			

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108603

QC Batch: OEXT/37713 — Analysis Method: EPA 8270 by SIM LVE
QC Batch Method: EPA 3510 — Analysis Description: 8270 Water PAH LV by SIM MSSV
Associated Lab Samples: 50108603003, 50108603004, 50108603005, 50108603006, 50108603007

METHOD BLANK: 1205247 — Matrix: Water
Associated Lab Samples: 50108603003, 50108603004, 50108603005, 50108603006, 50108603007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	1.0	12/13/14 11:06	
Acenaphthylene	ug/L	ND	1.0	12/13/14 11:06	
Anthracene	ug/L	ND	0.10	12/13/14 11:06	
Benzo(a)anthracene	ug/L	ND	0.10	12/13/14 11:06	
Benzo(a)pyrene	ug/L	ND	0.10	12/13/14 11:06	
Benzo(b)fluoranthene	ug/L	ND	0.10	12/13/14 11:06	
Benzo(g,h,i)perylene	ug/L	ND	0.10	12/13/14 11:06	
Benzo(k)fluoranthene	ug/L	ND	0.10	12/13/14 11:06	
Chrysene	ug/L	ND	0.50	12/13/14 11:06	
Dibenz(a,h)anthracene	ug/L	ND	0.10	12/13/14 11:06	
Fluoranthene	ug/L	ND	1.0	12/13/14 11:06	
Fluorene	ug/L	ND	1.0	12/13/14 11:06	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	12/13/14 11:06	
Naphthalene	ug/L	ND	1.0	12/13/14 11:06	
Phenanthrene	ug/L	ND	1.0	12/13/14 11:06	
Pyrene	ug/L	ND	1.0	12/13/14 11:06	
2-Fluorobiphenyl (S)	%.	57	21-114	12/13/14 11:06	
p-Terphenyl-d14 (S)	%.	91	25-131	12/13/14 11:06	

LABORATORY CONTROL SAMPLE: 1205248

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	10	6.5	65	39-117	
Acenaphthylene	ug/L	10	6.4	64	40-120	
Anthracene	ug/L	10	8.1	81	48-126	
Benzo(a)anthracene	ug/L	10	7.8	78	51-134	
Benzo(a)pyrene	ug/L	10	7.6	76	48-141	
Benzo(b)fluoranthene	ug/L	10	7.1	71	49-139	
Benzo(g,h,i)perylene	ug/L	10	7.3	73	44-134	
Benzo(k)fluoranthene	ug/L	10	7.6	76	48-140	
Chrysene	ug/L	10	8.7	87	53-136	
Dibenz(a,h)anthracene	ug/L	10	6.5	65	44-132	
Fluoranthene	ug/L	10	8.8	88	50-135	
Fluorene	ug/L	10	7.1	71	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	6.7	67	45-132	
Naphthalene	ug/L	10	5.9	59	30-112	
Phenanthrene	ug/L	10	7.8	78	47-128	
Pyrene	ug/L	10	8.4	84	50-134	
2-Fluorobiphenyl (S)	%.			54	21-114	
p-Terphenyl-d14 (S)	%.			82	25-131	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108603

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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 (8270 listed analyte) decomposes to Azobenzene.

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

D4 Sample was diluted due to the presence of high levels of target analytes.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108603

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50108603001	**BPIT-EB09-120814**	EPA 3510	OEXT/37712	EPA 8270 by SIM LVE	MSSV/16776
50108603002	**BPIT-EB10-120814**	EPA 3510	OEXT/37712	EPA 8270 by SIM LVE	MSSV/16776
50108603003	**BPIT-DHW111-120814**	EPA 3510	OEXT/37713	EPA 8270 by SIM LVE	MSSV/16766
50108603004	**BPIT-DHW109-120814**	EPA 3510	OEXT/37713	EPA 8270 by SIM LVE	MSSV/16766
50108603005	**BPIT-OW15-120814**	EPA 3510	OEXT/37713	EPA 8270 by SIM LVE	MSSV/16766
50108603006	**BPIT-DHW108-120814**	EPA 3510	OEXT/37713	EPA 8270 by SIM LVE	MSSV/16766
50108603007	**BPIT-DHW73-120814**	EPA 3510	OEXT/37713	EPA 8270 by SIM LVE	MSSV/16766
50108603001	**BPIT-EB09-120814**	EPA 8260	MSV/72012		
50108603002	**BPIT-EB10-120814**	EPA 8260	MSV/72012		
50108603003	**BPIT-DHW111-120814**	EPA 8260	MSV/72012		
50108603004	**BPIT-DHW109-120814**	EPA 8260	MSV/72012		
50108603005	**BPIT-OW15-120814**	EPA 8260	MSV/72012		
50108603006	**BPIT-DHW108-120814**	EPA 8260	MSV/72012		
50108603007	**BPIT-DHW73-120814**	EPA 8260	MSV/72012		
50108603008	**BPIT-TripBlank03-120814**	EPA 8260	MSV/72012		

bp PM

Laboratory Management Program Lab Chain of Custody Record

Page 1 of 1

BP Site Node Path: BP > USA > IN > Marion > Indianapolis Termina

Req Due Date (mm/dd/yy): _____ Rush TAT: Yes ___ No X

BP Facility No: # 215

Lab Work Order Number: 50108603

Lab Name:	Pace Analytical	Facility Address:	2500 North Tibbs Ave.	Consultant/Contractor:	Stantec Consulting Corp.
Lab Address:	7726 Moller Road, Indianapolis, IN 46268	City, State, ZIP Code:	Indianapolis, IN 46222	Consultant/Contractor Project No:	182612301.601.681
Lab PM:	Tina Sayer	Lead Regulatory Agency:	EPA	Address:	8770 Guion Rd., Suite B, Indianapolis, IN 46268
Lab Phone:	317-875-5894	California Global ID No.:		Consultant/Contractor PM:	Kyle Amberger
Lab Shipping Accnt:		Enfos Proposal No:	007VX-0017	Phone: 317-876-8375 x 240	Email: kyle.amberger@stantec.com
Lab Bottle Order No:		Accounting Mode:	Provision X OOC-BU ___ OOC-RM ___	Email EDD To: Kyle Amberger	and to lab.enfosdoc@bp.com
Other Info:		Stage: OMM 60	Activity: Project Spend 81	Invoice To:	BP X Contractor ___

BP Project Manager (PM): Bruno Mancini

BP PM Phone: 216-271-8852

BP PM Email: bruno.mancini@bp.com

Report Type & QC Level: Standard X; Full Data Package ___

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	BTEX by 8260	PAHs by 8270SIM	Comments
001	BPIT-EB07-120814	12/8/14	1655		X		N	5	2			3		X	X	
002	BPIT-EB10-120814	12/8/14	1700		X		N	5	2			3		X	X	
003	BPIT-DHW111-120814	12/8/14	1437		X		Y	5	2			3		X	X	
004	BPIT-DHW109-120814	12/8/14	1555		X		Y	5	2			3		X	X	
005	BPIT-OW15-120814	12/8/14	1425		X		Y	5	2			3		X	X	
006	BPIT-DHW108-120814	12/8/14	1515		X		Y	5	2			3		X	X	
007	BPIT-DHW73-120814	12/8/14	1625		X		Y	5	2			3		X	X	
~~—~~	~~BPIT-TRIPBLANK03-120814~~	~~12/8/14~~	—				N	3				3		X		MS 12/8/14
008	BPIT TRIPBLANK03-120814	12/8/14	—		X		N	3				3		X		

Sampler's Name: Neil Bukowiec	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: STANTEC	[signature] STANTEC	12/8/14	1745	[signature]	12/8/14	1745
Shipment Method: HAND DELIVERED Ship Date: 12/8/14						
Shipment Tracking No: N/A						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 0.7 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

Sample Condition Upon Receipt

Pace Analytical

Client Name: BP Project # 50108603

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

Tracking #:

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

Date/Time 5035A kits placed in freezer

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer 1 2 3 4 5 6 A B C D E F

Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 0-7
(Corrected, if applicable)

Ice Visible in Sample Containers: ☐ yes ☑ no

Temp should be above freezing to 6°C

Date and initials of person examining contents: TMS 12/8/14

				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 & Signature on COC:	☑Yes	☐No	☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	5.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	6.
Containers Intact:	☑Yes	☐No	☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes	☐No	☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.	☐Yes	☐No	☑N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	10.
Trip Blank Present:	☑Yes	☐No	☐N/A	11.
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	12.
Sufficient Volume:	☑Yes	☐No	☐N/A	13.
Correct Containers Used:	☑Yes	☐No	☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: Y Sayer **Date:** 12/9/14

Form F-IN-Q-290-rev.06, 05Aug2014

Sample Container Count

CLIENT: BP

COC PAGE 1 of 1

COC ID#

Project # 50108603

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST	_____	pH <2	pH>12	Comments
1	3			2																	
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9	3																				
10																					
11																					
12																					

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

December 29, 2014

Mr. Kyle Amberger
Stantec
8770 Guion Rd
Suite B
Indianapolis, IN 46268

RE: Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Dear Mr. Amberger:
Enclosed are the analytical results for sample(s) received by the laboratory on December 10, 2014. 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.

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

Sincerely,

Mark Davis for
Tina Sayer
tina.sayer@pacelabs.com
Project Manager

Enclosures

cc: Mr. Ryan Julien, Stantec

CERTIFICATIONS

Project:	Indianapolis Terminal BP#215
Pace Project No.:	50108787

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky UST Certification #: 0042
Louisiana/NELAP Certification #: 04076
Ohio VAP Certification #: CL-0065
West Virginia Certification #: 330

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50108787001	**BPIT-OW04-120914**	Water	12/09/14 10:05	12/10/14 17:45
50108787002	**BPIT-MW16-120914**	Water	12/09/14 11:14	12/10/14 17:45
50108787003	**BPIT-MW17-120914**	Water	12/09/14 13:40	12/10/14 17:45
50108787004	**BPIT-DUP03-120914**	Water	12/09/14 08:00	12/10/14 17:45
50108787005	**BPIT-DHW101-120914**	Water	12/09/14 15:06	12/10/14 17:45
50108787006	**BPIT-OW05-120914**	Water	12/09/14 10:15	12/10/14 17:45
50108787007	**BPIT-DHW106-120914**	Water	12/09/14 16:02	12/10/14 17:45
50108787008	**BPIT-DHW102-120914**	Water	12/09/14 11:40	12/10/14 17:45
50108787009	**BPIT-MW15-120914**	Water	12/09/14 13:15	12/10/14 17:45
50108787010	**BPIT-DHW105-120914**	Water	12/09/14 14:35	12/10/14 17:45
50108787011	**BPIT-DHW54-121014**	Water	12/10/14 09:30	12/10/14 17:45
50108787012	**BPIT-DHW55-121014**	Water	12/10/14 09:50	12/10/14 17:45
50108787013	**BPIT-OW16-121014**	Water	12/10/14 11:23	12/10/14 17:45
50108787014	**BPIT-DHW107-121014**	Water	12/10/14 12:30	12/10/14 17:45
50108787015	**BPIT-DHW104-121014**	Water	12/10/14 13:39	12/10/14 17:45
50108787016	**BPIT-DUP04-121014**	Water	12/10/14 08:00	12/10/14 17:45
50108787017	**BPIT-DHW103-121014**	Water	12/10/14 14:57	12/10/14 17:45
50108787018	**BPIT-DHW68-121014**	Water	12/10/14 15:40	12/10/14 17:45
50108787019	**BPIT-DHW32-121014**	Water	12/10/14 16:40	12/10/14 17:45
50108787020	**BPIT-OW03-121014**	Water	12/10/14 15:45	12/10/14 17:45
50108787021	**BPIT-DHW30-121014**	Water	12/10/14 13:40	12/10/14 17:45
50108787022	**BPIT-DHW04-121014**	Water	12/10/14 12:02	12/10/14 17:45
50108787023	**BPIT-OW11-121014**	Water	12/10/14 10:45	12/10/14 17:45
50108787024	**BPIT-DHW09-121014**	Water	12/10/14 14:58	12/10/14 17:45
50108787025	**BPIT-EB13-121014**	Water	12/10/14 17:15	12/10/14 17:45
50108787026	**BPIT-EB14-121014**	Water	12/10/14 17:25	12/10/14 17:45
50108787027	**BPIT-TRIPBLANK4-120914**	Water	12/09/14 08:00	12/10/14 17:45
50108787028	**BPIT-TRIPBLANK5-121014**	Water	12/10/14 08:00	12/10/14 17:45
50108787029	**BPIT-EB11-120914**	Water	12/09/14 16:45	12/10/14 17:45
50108787030	**BPIT-EB12-120914**	Water	12/09/14 16:50	12/10/14 17:45

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50108787001	**BPIT-OW04-120914**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787002	**BPIT-MW16-120914**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787003	**BPIT-MW17-120914**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787004	**BPIT-DUP03-120914**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787005	**BPIT-DHW101-120914**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787006	**BPIT-OW05-120914**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787007	**BPIT-DHW106-120914**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787008	**BPIT-DHW102-120914**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787009	**BPIT-MW15-120914**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787010	**BPIT-DHW105-120914**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	8
50108787011	**BPIT-DHW54-121014**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787012	**BPIT-DHW55-121014**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787013	**BPIT-OW16-121014**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787014	**BPIT-DHW107-121014**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787015	**BPIT-DHW104-121014**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787016	**BPIT-DUP04-121014**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787017	**BPIT-DHW103-121014**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787018	**BPIT-DHW68-121014**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787019	**BPIT-DHW32-121014**	EPA 8270 by SIM LVE	CEM	18

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 8260	RFS	7
50108787020	**BPIT-OW03-121014**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787021	**BPIT-DHW30-121014**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787022	**BPIT-DHW04-121014**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787023	**BPIT-OW11-121014**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787024	**BPIT-DHW09-121014**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787025	**BPIT-EB13-121014**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787026	**BPIT-EB14-121014**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787027	**BPIT-TRIPBLANK4-120914**	EPA 8260	RFS	7
50108787028	**BPIT-TRIPBLANK5-121014**	EPA 8260	RFS	7
50108787029	**BPIT-EB11-120914**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7
50108787030	**BPIT-EB12-120914**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	RFS	7

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-OW04-120914 **Lab ID: 50108787001** Collected: 12/09/14 10:05 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/12/14 10:06	12/15/14 18:10	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/12/14 10:06	12/15/14 18:10	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/12/14 10:06	12/15/14 18:10	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/12/14 10:06	12/15/14 18:10	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/12/14 10:06	12/15/14 18:10	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/12/14 10:06	12/15/14 18:10	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/12/14 10:06	12/15/14 18:10	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/12/14 10:06	12/15/14 18:10	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/12/14 10:06	12/15/14 18:10	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/12/14 10:06	12/15/14 18:10	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/12/14 10:06	12/15/14 18:10	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/12/14 10:06	12/15/14 18:10	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/12/14 10:06	12/15/14 18:10	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/12/14 10:06	12/15/14 18:10	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/12/14 10:06	12/15/14 18:10	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/12/14 10:06	12/15/14 18:10	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	58	%.	21-114	1	12/12/14 10:06	12/15/14 18:10	321-60-8	
p-Terphenyl-d14 (S)	79	%.	25-131	1	12/12/14 10:06	12/15/14 18:10	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/19/14 13:46	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/19/14 13:46	100-41-4	
Toluene	ND	ug/L	5.0	1		12/19/14 13:46	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/19/14 13:46	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	79-116	1		12/19/14 13:46	1868-53-7	
Toluene-d8 (S)	95	%.	81-110	1		12/19/14 13:46	2037-26-5	
4-Bromofluorobenzene (S)	94	%.	80-114	1		12/19/14 13:46	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-MW16-120914 **Lab ID: 50108787002** Collected: 12/09/14 11:14 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**0.53J**	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:03	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:03	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:03	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:03	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:03	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:03	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:03	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:03	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/12/14 12:29	12/15/14 19:03	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:03	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:03	206-44-0	
Fluorene	**0.59J**	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:03	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:03	193-39-5	
Naphthalene	**1.4**	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:03	91-20-3	
Phenanthrene	**0.55J**	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:03	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:03	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	55	%.	21-114	1	12/12/14 12:29	12/15/14 19:03	321-60-8	
p-Terphenyl-d14 (S)	60	%.	25-131	1	12/12/14 12:29	12/15/14 19:03	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**286**	ug/L	50.0	10		12/19/14 14:39	71-43-2	
Ethylbenzene	ND	ug/L	50.0	10		12/19/14 14:39	100-41-4	
Toluene	ND	ug/L	50.0	10		12/19/14 14:39	108-88-3	
Xylene (Total)	ND	ug/L	100	10		12/19/14 14:39	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	79-116	10		12/19/14 14:39	1868-53-7	D4
Toluene-d8 (S)	99	%.	81-110	10		12/19/14 14:39	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	80-114	10		12/19/14 14:39	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-MW17-120914 **Lab ID: 50108787003** Collected: 12/09/14 13:40 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**0.82J**	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:21	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:21	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:21	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:21	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:21	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/12/14 12:29	12/15/14 19:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:21	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:21	206-44-0	
Fluorene	**0.69J**	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:21	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:21	193-39-5	
Naphthalene	**12.8**	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:21	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:21	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:21	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	59	%.	21-114	1	12/12/14 12:29	12/15/14 19:21	321-60-8	
p-Terphenyl-d14 (S)	65	%.	25-131	1	12/12/14 12:29	12/15/14 19:21	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**2490**	ug/L	500	100		12/22/14 09:03	71-43-2	
Ethylbenzene	**133**	ug/L	100	20		12/19/14 15:33	100-41-4	
Toluene	**44.7**	ug/L	5.0	1		12/19/14 15:06	108-88-3	
Xylene (Total)	**306**	ug/L	200	20		12/19/14 15:33	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		12/19/14 15:06	1868-53-7	
Toluene-d8 (S)	96	%.	81-110	1		12/19/14 15:06	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	80-114	1		12/19/14 15:06	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-DUP03-120914 **Lab ID: 50108787004** Collected: 12/09/14 08:00 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**0.78J**	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:39	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:39	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:39	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:39	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:39	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:39	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:39	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:39	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/12/14 12:29	12/15/14 19:39	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:39	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:39	206-44-0	
Fluorene	**0.62J**	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:39	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:39	193-39-5	
Naphthalene	**11.4**	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:39	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:39	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:39	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	49	%.	21-114	1	12/12/14 12:29	12/15/14 19:39	321-60-8	
p-Terphenyl-d14 (S)	60	%.	25-131	1	12/12/14 12:29	12/15/14 19:39	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**3070**	ug/L	250	50		12/19/14 16:26	71-43-2	
Ethylbenzene	**134**	ug/L	25.0	5		12/19/14 15:59	100-41-4	
Toluene	**40.1**	ug/L	25.0	5		12/19/14 15:59	108-88-3	
Xylene (Total)	**282**	ug/L	50.0	5		12/19/14 15:59	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	79-116	5		12/19/14 15:59	1868-53-7	D4
Toluene-d8 (S)	97	%.	81-110	5		12/19/14 15:59	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	80-114	5		12/19/14 15:59	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-DHW101-120914 **Lab ID: 50108787005** Collected: 12/09/14 15:06 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**1.5**	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:56	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:56	208-96-8	
Anthracene	**0.13**	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:56	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:56	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:56	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:56	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:56	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:56	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/12/14 12:29	12/15/14 19:56	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:56	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:56	206-44-0	
Fluorene	**1.9**	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:56	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 19:56	193-39-5	
Naphthalene	**284**	ug/L	10.0	10	12/12/14 12:29	12/18/14 07:41	91-20-3	
Phenanthrene	**1.7**	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:56	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 19:56	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	56	%.	21-114	1	12/12/14 12:29	12/15/14 19:56	321-60-8	
p-Terphenyl-d14 (S)	57	%.	25-131	1	12/12/14 12:29	12/15/14 19:56	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**2210**	ug/L	500	100		12/22/14 09:29	71-43-2	
Ethylbenzene	**945**	ug/L	100	20		12/19/14 17:19	100-41-4	
Toluene	**11.4**	ug/L	5.0	1		12/19/14 16:52	108-88-3	
Xylene (Total)	**57.5**	ug/L	10.0	1		12/19/14 16:52	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	79-116	1		12/19/14 16:52	1868-53-7	
Toluene-d8 (S)	96	%.	81-110	1		12/19/14 16:52	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	80-114	1		12/19/14 16:52	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-OW05-120914 **Lab ID: 50108787006** Collected: 12/09/14 10:15 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**0.74J**	ug/L	1.0	1	12/12/14 12:29	12/15/14 20:14	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 20:14	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 20:14	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 20:14	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 20:14	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 20:14	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 20:14	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 20:14	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/12/14 12:29	12/15/14 20:14	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 20:14	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 20:14	206-44-0	
Fluorene	**0.82J**	ug/L	1.0	1	12/12/14 12:29	12/15/14 20:14	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 20:14	193-39-5	
Naphthalene	**0.88J**	ug/L	1.0	1	12/12/14 12:29	12/15/14 20:14	91-20-3	
Phenanthrene	**0.58J**	ug/L	1.0	1	12/12/14 12:29	12/15/14 20:14	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 20:14	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	53	%.	21-114	1	12/12/14 12:29	12/15/14 20:14	321-60-8	
p-Terphenyl-d14 (S)	61	%.	25-131	1	12/12/14 12:29	12/15/14 20:14	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**5.2**	ug/L	5.0	1		12/19/14 17:45	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/19/14 17:45	100-41-4	
Toluene	ND	ug/L	5.0	1		12/19/14 17:45	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/19/14 17:45	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		12/19/14 17:45	1868-53-7	
Toluene-d8 (S)	96	%.	81-110	1		12/19/14 17:45	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	80-114	1		12/19/14 17:45	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-DHW106-120914 **Lab ID: 50108787007** Collected: 12/09/14 16:02 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 20:32	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 20:32	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 20:32	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 20:32	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 20:32	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 20:32	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 20:32	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 20:32	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/12/14 12:29	12/15/14 20:32	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 20:32	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 20:32	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 20:32	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 20:32	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 20:32	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 20:32	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 20:32	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	49	%.	21-114	1	12/12/14 12:29	12/15/14 20:32	321-60-8	
p-Terphenyl-d14 (S)	58	%.	25-131	1	12/12/14 12:29	12/15/14 20:32	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/19/14 18:39	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/19/14 18:39	100-41-4	
Toluene	ND	ug/L	5.0	1		12/19/14 18:39	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/19/14 18:39	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	79-116	1		12/19/14 18:39	1868-53-7	
Toluene-d8 (S)	96	%.	81-110	1		12/19/14 18:39	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	80-114	1		12/19/14 18:39	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-DHW102-120914 **Lab ID: 50108787008** Collected: 12/09/14 11:40 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 20:49	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 20:49	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 20:49	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 20:49	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 20:49	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 20:49	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 20:49	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 20:49	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/12/14 12:29	12/15/14 20:49	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 20:49	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 20:49	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 20:49	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 20:49	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 20:49	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 20:49	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 20:49	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	56	%.	21-114	1	12/12/14 12:29	12/15/14 20:49	321-60-8	
p-Terphenyl-d14 (S)	74	%.	25-131	1	12/12/14 12:29	12/15/14 20:49	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/19/14 19:05	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/19/14 19:05	100-41-4	
Toluene	ND	ug/L	5.0	1		12/19/14 19:05	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/19/14 19:05	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	79-116	1		12/19/14 19:05	1868-53-7	
Toluene-d8 (S)	98	%.	81-110	1		12/19/14 19:05	2037-26-5	
4-Bromofluorobenzene (S)	95	%.	80-114	1		12/19/14 19:05	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-MW15-120914 **Lab ID: 50108787009** Collected: 12/09/14 13:15 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**1.1**	ug/L	1.0	1	12/12/14 12:29	12/15/14 21:07	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 21:07	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 21:07	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 21:07	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 21:07	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 21:07	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 21:07	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 21:07	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/12/14 12:29	12/15/14 21:07	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 21:07	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 21:07	206-44-0	
Fluorene	**1.6**	ug/L	1.0	1	12/12/14 12:29	12/15/14 21:07	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 21:07	193-39-5	
Naphthalene	**312**	ug/L	10.0	10	12/12/14 12:29	12/18/14 07:58	91-20-3	
Phenanthrene	**0.59J**	ug/L	1.0	1	12/12/14 12:29	12/15/14 21:07	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 21:07	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	46	%.	21-114	1	12/12/14 12:29	12/15/14 21:07	321-60-8	
p-Terphenyl-d14 (S)	41	%.	25-131	1	12/12/14 12:29	12/15/14 21:07	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**835**	ug/L	50.0	10		12/19/14 19:59	71-43-2	
Ethylbenzene	**356**	ug/L	50.0	10		12/19/14 19:59	100-41-4	
Toluene	**110**	ug/L	50.0	10		12/19/14 19:59	108-88-3	
Xylene (Total)	**1920**	ug/L	100	10		12/19/14 19:59	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	79-116	10		12/19/14 19:59	1868-53-7	
Toluene-d8 (S)	95	%.	81-110	10		12/19/14 19:59	2037-26-5	
4-Bromofluorobenzene (S)	95	%.	80-114	10		12/19/14 19:59	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-DHW105-120914 **Lab ID: 50108787010** Collected: 12/09/14 14:35 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**1.7**	ug/L	1.0	1	12/12/14 12:29	12/15/14 21:25	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 21:25	208-96-8	
Anthracene	**0.20**	ug/L	0.10	1	12/12/14 12:29	12/15/14 21:25	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 21:25	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 21:25	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 21:25	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 21:25	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 21:25	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/12/14 12:29	12/15/14 21:25	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 21:25	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 21:25	206-44-0	
Fluorene	**2.3**	ug/L	1.0	1	12/12/14 12:29	12/15/14 21:25	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 21:25	193-39-5	
Naphthalene	**2.3**	ug/L	1.0	1	12/12/14 12:29	12/15/14 21:25	91-20-3	
Phenanthrene	**2.2**	ug/L	1.0	1	12/12/14 12:29	12/15/14 21:25	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 21:25	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	46	%.	21-114	1	12/12/14 12:29	12/15/14 21:25	321-60-8	
p-Terphenyl-d14 (S)	64	%.	25-131	1	12/12/14 12:29	12/15/14 21:25	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**3120**	ug/L	100	20		12/19/14 20:26	71-43-2	
Ethylbenzene	**77.6**	ug/L	5.0	1		12/19/14 22:11	100-41-4	
Toluene	**76.9**	ug/L	5.0	1		12/19/14 22:11	108-88-3	
Xylene (Total)	**296**	ug/L	200	20		12/19/14 20:26	1330-20-7	
m&p-Xylene	**279**	ug/L	100	20		12/19/14 20:26	179601-23-1	
Surrogates								
Dibromofluoromethane (S)	99	%.	79-116	1		12/19/14 22:11	1868-53-7	
Toluene-d8 (S)	96	%.	81-110	1		12/19/14 22:11	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	80-114	1		12/19/14 22:11	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-DHW54-121014 **Lab ID: 50108787011** Collected: 12/10/14 09:30 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**1.2**	ug/L	1.0	1	12/12/14 15:07	12/15/14 07:20	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 07:20	208-96-8	
Anthracene	**0.15**	ug/L	0.10	1	12/12/14 15:07	12/15/14 07:20	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 07:20	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 07:20	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 07:20	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 07:20	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 07:20	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/12/14 15:07	12/15/14 07:20	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 07:20	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 07:20	206-44-0	
Fluorene	**1.6**	ug/L	1.0	1	12/12/14 15:07	12/15/14 07:20	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 07:20	193-39-5	
Naphthalene	**7.1**	ug/L	1.0	1	12/12/14 15:07	12/15/14 07:20	91-20-3	
Phenanthrene	**1.4**	ug/L	1.0	1	12/12/14 15:07	12/15/14 07:20	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 07:20	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	31	%.	21-114	1	12/12/14 15:07	12/15/14 07:20	321-60-8	
p-Terphenyl-d14 (S)	46	%.	25-131	1	12/12/14 15:07	12/15/14 07:20	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**167**	ug/L	50.0	10		12/24/14 04:03	71-43-2	
Ethylbenzene	**40.8**	ug/L	5.0	1		12/22/14 10:46	100-41-4	
Toluene	**10.4**	ug/L	5.0	1		12/22/14 10:46	108-88-3	
Xylene (Total)	**28.1**	ug/L	10.0	1		12/22/14 10:46	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	1		12/22/14 10:46	1868-53-7	
Toluene-d8 (S)	97	%.	81-110	1		12/22/14 10:46	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	80-114	1		12/22/14 10:46	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-DHW55-121014 **Lab ID: 50108787012** Collected: 12/10/14 09:50 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**2.2**	ug/L	1.0	1	12/12/14 15:07	12/15/14 07:37	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 07:37	208-96-8	
Anthracene	**0.20**	ug/L	0.10	1	12/12/14 15:07	12/15/14 07:37	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 07:37	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 07:37	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 07:37	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 07:37	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 07:37	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/12/14 15:07	12/15/14 07:37	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 07:37	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 07:37	206-44-0	
Fluorene	**3.0**	ug/L	1.0	1	12/12/14 15:07	12/15/14 07:37	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 07:37	193-39-5	
Naphthalene	**359**	ug/L	10.0	10	12/12/14 15:07	12/18/14 04:44	91-20-3	
Phenanthrene	**2.6**	ug/L	1.0	1	12/12/14 15:07	12/15/14 07:37	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 07:37	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	37	%.	21-114	1	12/12/14 15:07	12/15/14 07:37	321-60-8	
p-Terphenyl-d14 (S)	60	%.	25-131	1	12/12/14 15:07	12/15/14 07:37	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**6770**	ug/L	500	100		12/22/14 13:47	71-43-2	
Ethylbenzene	**1650**	ug/L	50.0	10		12/22/14 13:21	100-41-4	
Toluene	**78.9**	ug/L	50.0	10		12/22/14 13:21	108-88-3	
Xylene (Total)	**254**	ug/L	100	10		12/22/14 13:21	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	79-116	10		12/22/14 13:21	1868-53-7	
Toluene-d8 (S)	99	%.	81-110	10		12/22/14 13:21	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	80-114	10		12/22/14 13:21	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-OW16-121014 **Lab ID: 50108787013** Collected: 12/10/14 11:23 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**1.1**	ug/L	1.0	1	12/12/14 15:07	12/15/14 07:55	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 07:55	208-96-8	
Anthracene	**0.097J**	ug/L	0.10	1	12/12/14 15:07	12/15/14 07:55	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 07:55	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 07:55	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 07:55	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 07:55	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 07:55	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/12/14 15:07	12/15/14 07:55	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 07:55	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 07:55	206-44-0	
Fluorene	**1.2**	ug/L	1.0	1	12/12/14 15:07	12/15/14 07:55	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 07:55	193-39-5	
Naphthalene	**145**	ug/L	10.0	10	12/12/14 15:07	12/18/14 05:02	91-20-3	
Phenanthrene	**0.72J**	ug/L	1.0	1	12/12/14 15:07	12/15/14 07:55	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 07:55	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	52	%.	21-114	1	12/12/14 15:07	12/15/14 07:55	321-60-8	
p-Terphenyl-d14 (S)	52	%.	25-131	1	12/12/14 15:07	12/15/14 07:55	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**5560**	ug/L	250	50		12/22/14 14:39	71-43-2	E,H7
Ethylbenzene	**1100**	ug/L	250	50		12/22/14 14:39	100-41-4	
Toluene	**84.3**	ug/L	25.0	5		12/22/14 14:13	108-88-3	
Xylene (Total)	**647**	ug/L	50.0	5		12/22/14 14:13	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	79-116	5		12/22/14 14:13	1868-53-7	D4
Toluene-d8 (S)	98	%.	81-110	5		12/22/14 14:13	2037-26-5	
4-Bromofluorobenzene (S)	95	%.	80-114	5		12/22/14 14:13	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-DHW107-121014 **Lab ID: 50108787014** Collected: 12/10/14 12:30 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**0.53J**	ug/L	1.0	1	12/12/14 15:07	12/15/14 08:13	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 08:13	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 08:13	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 08:13	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 08:13	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 08:13	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 08:13	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 08:13	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/12/14 15:07	12/15/14 08:13	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 08:13	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 08:13	206-44-0	
Fluorene	**0.60J**	ug/L	1.0	1	12/12/14 15:07	12/15/14 08:13	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 08:13	193-39-5	
Naphthalene	**156**	ug/L	10.0	10	12/12/14 15:07	12/18/14 05:19	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 08:13	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 08:13	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	52	%.	21-114	1	12/12/14 15:07	12/15/14 08:13	321-60-8	
p-Terphenyl-d14 (S)	61	%.	25-131	1	12/12/14 15:07	12/15/14 08:13	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**6380**	ug/L	500	100		12/24/14 10:31	71-43-2	
Ethylbenzene	**1030**	ug/L	125	25		12/23/14 01:25	100-41-4	
Toluene	**72.0**	ug/L	25.0	5		12/23/14 00:59	108-88-3	
Xylene (Total)	**234**	ug/L	50.0	5		12/23/14 00:59	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%.	79-116	5		12/23/14 00:59	1868-53-7	
Toluene-d8 (S)	98	%.	81-110	5		12/23/14 00:59	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	80-114	5		12/23/14 00:59	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-DHW104-121014 **Lab ID: 50108787015** Collected: 12/10/14 13:39 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**2.3**	ug/L	1.0	1	12/12/14 15:07	12/15/14 08:31	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 08:31	208-96-8	
Anthracene	**0.18**	ug/L	0.10	1	12/12/14 15:07	12/15/14 08:31	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 08:31	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 08:31	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 08:31	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 08:31	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 08:31	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/12/14 15:07	12/15/14 08:31	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 08:31	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 08:31	206-44-0	
Fluorene	**2.7**	ug/L	1.0	1	12/12/14 15:07	12/15/14 08:31	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 08:31	193-39-5	
Naphthalene	**206**	ug/L	10.0	10	12/12/14 15:07	12/18/14 05:37	91-20-3	
Phenanthrene	**2.0**	ug/L	1.0	1	12/12/14 15:07	12/15/14 08:31	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 08:31	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	49	%.	21-114	1	12/12/14 15:07	12/15/14 08:31	321-60-8	
p-Terphenyl-d14 (S)	50	%.	25-131	1	12/12/14 15:07	12/15/14 08:31	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**9180**	ug/L	500	100		12/26/14 10:13	71-43-2	
Ethylbenzene	**1330**	ug/L	250	50		12/23/14 02:16	100-41-4	
Toluene	**85.7**	ug/L	25.0	5		12/23/14 01:51	108-88-3	
Xylene (Total)	**441**	ug/L	50.0	5		12/23/14 01:51	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	79-116	5		12/23/14 01:51	1868-53-7	
Toluene-d8 (S)	97	%.	81-110	5		12/23/14 01:51	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	80-114	5		12/23/14 01:51	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-DUP04-121014 **Lab ID: 50108787016** Collected: 12/10/14 08:00 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**2.0**	ug/L	1.0	1	12/12/14 15:07	12/15/14 08:48	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 08:48	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 08:48	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 08:48	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 08:48	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 08:48	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 08:48	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 08:48	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/12/14 15:07	12/15/14 08:48	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 08:48	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 08:48	206-44-0	
Fluorene	**2.4**	ug/L	1.0	1	12/12/14 15:07	12/15/14 08:48	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 08:48	193-39-5	
Naphthalene	**182**	ug/L	10.0	10	12/12/14 15:07	12/18/14 05:55	91-20-3	
Phenanthrene	**1.8**	ug/L	1.0	1	12/12/14 15:07	12/15/14 08:48	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 08:48	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	45	%.	21-114	1	12/12/14 15:07	12/15/14 08:48	321-60-8	
p-Terphenyl-d14 (S)	48	%.	25-131	1	12/12/14 15:07	12/15/14 08:48	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**9270**	ug/L	500	100		12/24/14 20:01	71-43-2	
Ethylbenzene	**1250**	ug/L	250	50		12/23/14 14:42	100-41-4	
Toluene	**82.0**	ug/L	25.0	5		12/23/14 14:17	108-88-3	
Xylene (Total)	**422**	ug/L	50.0	5		12/23/14 14:17	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	93	%.	79-116	5		12/23/14 14:17	1868-53-7	
Toluene-d8 (S)	96	%.	81-110	5		12/23/14 14:17	2037-26-5	
4-Bromofluorobenzene (S)	94	%.	80-114	5		12/23/14 14:17	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-DHW103-121014 **Lab ID: 50108787017** Collected: 12/10/14 14:57 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 09:06	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 09:06	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 09:06	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 09:06	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 09:06	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 09:06	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 09:06	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 09:06	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/12/14 15:07	12/15/14 09:06	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 09:06	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 09:06	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 09:06	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 09:06	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 09:06	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 09:06	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 09:06	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	50	%.	21-114	1	12/12/14 15:07	12/15/14 09:06	321-60-8	
p-Terphenyl-d14 (S)	74	%.	25-131	1	12/12/14 15:07	12/15/14 09:06	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/22/14 12:29	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/22/14 12:29	100-41-4	
Toluene	ND	ug/L	5.0	1		12/22/14 12:29	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/22/14 12:29	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	1		12/22/14 12:29	1868-53-7	
Toluene-d8 (S)	95	%.	81-110	1		12/22/14 12:29	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	80-114	1		12/22/14 12:29	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-DHW68-121014 **Lab ID: 50108787018** Collected: 12/10/14 15:40 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 09:24	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 09:24	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 09:24	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 09:24	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 09:24	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 09:24	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 09:24	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 09:24	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/12/14 15:07	12/15/14 09:24	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 09:24	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 09:24	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 09:24	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/12/14 15:07	12/15/14 09:24	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 09:24	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 09:24	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/12/14 15:07	12/15/14 09:24	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	52	%.	21-114	1	12/12/14 15:07	12/15/14 09:24	321-60-8	
p-Terphenyl-d14 (S)	59	%.	25-131	1	12/12/14 15:07	12/15/14 09:24	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/22/14 12:55	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/22/14 12:55	100-41-4	
Toluene	ND	ug/L	5.0	1		12/22/14 12:55	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/22/14 12:55	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	79-116	1		12/22/14 12:55	1868-53-7	
Toluene-d8 (S)	98	%.	81-110	1		12/22/14 12:55	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	80-114	1		12/22/14 12:55	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-DHW32-121014 **Lab ID: 50108787019** Collected: 12/10/14 16:40 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 20:25	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 20:25	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 20:25	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 20:25	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 20:25	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 20:25	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 20:25	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 20:25	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/15/14 09:04	12/16/14 20:25	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 20:25	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 20:25	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 20:25	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 20:25	193-39-5	
Naphthalene	**1.2**	ug/L	1.0	1	12/15/14 09:04	12/16/14 20:25	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 20:25	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 20:25	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	55	%.	21-114	1	12/15/14 09:04	12/16/14 20:25	321-60-8	
p-Terphenyl-d14 (S)	67	%.	25-131	1	12/15/14 09:04	12/16/14 20:25	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/22/14 16:23	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/22/14 16:23	100-41-4	
Toluene	ND	ug/L	5.0	1		12/22/14 16:23	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/22/14 16:23	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	79-116	1		12/22/14 16:23	1868-53-7	
Toluene-d8 (S)	98	%.	81-110	1		12/22/14 16:23	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	80-114	1		12/22/14 16:23	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-OW03-121014 **Lab ID: 50108787020** Collected: 12/10/14 15:45 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 20:43	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 20:43	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 20:43	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 20:43	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 20:43	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 20:43	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 20:43	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 20:43	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/15/14 09:04	12/16/14 20:43	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 20:43	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 20:43	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 20:43	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 20:43	193-39-5	
Naphthalene	**2.4**	ug/L	1.0	1	12/15/14 09:04	12/16/14 20:43	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 20:43	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 20:43	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	62	%.	21-114	1	12/15/14 09:04	12/16/14 20:43	321-60-8	
p-Terphenyl-d14 (S)	73	%.	25-131	1	12/15/14 09:04	12/16/14 20:43	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**6.4**	ug/L	5.0	1		12/22/14 11:38	71-43-2	
Ethylbenzene	**6.2**	ug/L	5.0	1		12/22/14 11:38	100-41-4	
Toluene	ND	ug/L	5.0	1		12/22/14 11:38	108-88-3	
Xylene (Total)	**20.9**	ug/L	10.0	1		12/22/14 11:38	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	1		12/22/14 11:38	1868-53-7	
Toluene-d8 (S)	98	%.	81-110	1		12/22/14 11:38	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	80-114	1		12/22/14 11:38	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-DHW30-121014 **Lab ID: 50108787021** Collected: 12/10/14 13:40 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**1.8**	ug/L	1.0	1	12/15/14 09:04	12/16/14 21:01	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 21:01	208-96-8	
Anthracene	**0.13**	ug/L	0.10	1	12/15/14 09:04	12/16/14 21:01	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 21:01	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 21:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 21:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 21:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 21:01	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/15/14 09:04	12/16/14 21:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 21:01	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 21:01	206-44-0	
Fluorene	**2.7**	ug/L	1.0	1	12/15/14 09:04	12/16/14 21:01	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 21:01	193-39-5	
Naphthalene	**3.7**	ug/L	1.0	1	12/15/14 09:04	12/16/14 21:01	91-20-3	
Phenanthrene	**2.1**	ug/L	1.0	1	12/15/14 09:04	12/16/14 21:01	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 21:01	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	52	%.	21-114	1	12/15/14 09:04	12/16/14 21:01	321-60-8	
p-Terphenyl-d14 (S)	60	%.	25-131	1	12/15/14 09:04	12/16/14 21:01	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**530**	ug/L	50.0	10		12/22/14 22:50	71-43-2	
Ethylbenzene	**22.9**	ug/L	5.0	1		12/22/14 22:24	100-41-4	
Toluene	**15.2**	ug/L	5.0	1		12/22/14 22:24	108-88-3	
Xylene (Total)	**33.1**	ug/L	10.0	1		12/22/14 22:24	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	79-116	1		12/22/14 22:24	1868-53-7	
Toluene-d8 (S)	98	%.	81-110	1		12/22/14 22:24	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	80-114	1		12/22/14 22:24	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-DHW04-121014 **Lab ID: 50108787022** Collected: 12/10/14 12:02 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**1.1**	ug/L	1.0	1	12/15/14 09:04	12/16/14 21:18	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 21:18	208-96-8	
Anthracene	**0.086J**	ug/L	0.10	1	12/15/14 09:04	12/16/14 21:18	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 21:18	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 21:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 21:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 21:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 21:18	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/15/14 09:04	12/16/14 21:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 21:18	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 21:18	206-44-0	
Fluorene	**2.3**	ug/L	1.0	1	12/15/14 09:04	12/16/14 21:18	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 21:18	193-39-5	
Naphthalene	**2.9**	ug/L	1.0	1	12/15/14 09:04	12/16/14 21:18	91-20-3	
Phenanthrene	**1.4**	ug/L	1.0	1	12/15/14 09:04	12/16/14 21:18	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 21:18	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	52	%.	21-114	1	12/15/14 09:04	12/16/14 21:18	321-60-8	
p-Terphenyl-d14 (S)	57	%.	25-131	1	12/15/14 09:04	12/16/14 21:18	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**19.4**	ug/L	5.0	1		12/22/14 15:57	71-43-2	
Ethylbenzene	**21.9**	ug/L	5.0	1		12/22/14 15:57	100-41-4	
Toluene	ND	ug/L	5.0	1		12/22/14 15:57	108-88-3	
Xylene (Total)	**52.8**	ug/L	10.0	1		12/22/14 15:57	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	1		12/22/14 15:57	1868-53-7	
Toluene-d8 (S)	97	%.	81-110	1		12/22/14 15:57	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	80-114	1		12/22/14 15:57	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-OW11-121014 **Lab ID: 50108787023** Collected: 12/10/14 10:45 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**1.1**	ug/L	1.0	1	12/15/14 09:04	12/16/14 21:36	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 21:36	208-96-8	
Anthracene	**0.10**	ug/L	0.10	1	12/15/14 09:04	12/16/14 21:36	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 21:36	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 21:36	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 21:36	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 21:36	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 21:36	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/15/14 09:04	12/16/14 21:36	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 21:36	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 21:36	206-44-0	
Fluorene	**1.3**	ug/L	1.0	1	12/15/14 09:04	12/16/14 21:36	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 21:36	193-39-5	
Naphthalene	**7.7**	ug/L	1.0	1	12/15/14 09:04	12/16/14 21:36	91-20-3	
Phenanthrene	**0.64J**	ug/L	1.0	1	12/15/14 09:04	12/16/14 21:36	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 21:36	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	45	%.	21-114	1	12/15/14 09:04	12/16/14 21:36	321-60-8	
p-Terphenyl-d14 (S)	37	%.	25-131	1	12/15/14 09:04	12/16/14 21:36	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**296**	ug/L	50.0	10		12/22/14 23:42	71-43-2	
Ethylbenzene	**26.3**	ug/L	5.0	1		12/22/14 23:16	100-41-4	
Toluene	**19.7**	ug/L	5.0	1		12/22/14 23:16	108-88-3	
Xylene (Total)	**27.9**	ug/L	10.0	1		12/22/14 23:16	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		12/22/14 23:16	1868-53-7	
Toluene-d8 (S)	98	%.	81-110	1		12/22/14 23:16	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	80-114	1		12/22/14 23:16	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-DHW09-121014 **Lab ID: 50108787024** Collected: 12/10/14 14:58 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**2.0**	ug/L	1.0	1	12/17/14 11:26	12/18/14 21:56	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/17/14 11:26	12/18/14 21:56	208-96-8	
Anthracene	**0.31**	ug/L	0.10	1	12/17/14 11:26	12/18/14 21:56	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/17/14 11:26	12/18/14 21:56	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/17/14 11:26	12/18/14 21:56	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/17/14 11:26	12/18/14 21:56	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/17/14 11:26	12/18/14 21:56	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/17/14 11:26	12/18/14 21:56	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/17/14 11:26	12/18/14 21:56	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/17/14 11:26	12/18/14 21:56	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/17/14 11:26	12/18/14 21:56	206-44-0	
Fluorene	**2.0**	ug/L	1.0	1	12/17/14 11:26	12/18/14 21:56	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/17/14 11:26	12/18/14 21:56	193-39-5	
Naphthalene	**402**	ug/L	10.0	10	12/17/14 11:26	12/23/14 08:40	91-20-3	
Phenanthrene	**2.3**	ug/L	1.0	1	12/17/14 11:26	12/18/14 21:56	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/17/14 11:26	12/18/14 21:56	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	38	%.	21-114	1	12/17/14 11:26	12/18/14 21:56	321-60-8	
p-Terphenyl-d14 (S)	53	%.	25-131	1	12/17/14 11:26	12/18/14 21:56	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**3000**	ug/L	500	100		12/24/14 20:26	71-43-2	
Ethylbenzene	**1220**	ug/L	100	20		12/23/14 15:08	100-41-4	
Toluene	**175**	ug/L	100	20		12/23/14 15:08	108-88-3	
Xylene (Total)	**4770**	ug/L	1000	100		12/24/14 20:26	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	20		12/23/14 15:08	1868-53-7	
Toluene-d8 (S)	98	%.	81-110	20		12/23/14 15:08	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	80-114	20		12/23/14 15:08	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-EB13-121014 **Lab ID: 50108787025** Collected: 12/10/14 17:15 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 22:11	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 22:11	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 22:11	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 22:11	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 22:11	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 22:11	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 22:11	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 22:11	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/15/14 09:04	12/16/14 22:11	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 22:11	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 22:11	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 22:11	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 22:11	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 22:11	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 22:11	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 22:11	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	62	%.	21-114	1	12/15/14 09:04	12/16/14 22:11	321-60-8	
p-Terphenyl-d14 (S)	83	%.	25-131	1	12/15/14 09:04	12/16/14 22:11	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/22/14 15:05	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/22/14 15:05	100-41-4	
Toluene	ND	ug/L	5.0	1		12/22/14 15:05	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/22/14 15:05	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	79-116	1		12/22/14 15:05	1868-53-7	
Toluene-d8 (S)	98	%.	81-110	1		12/22/14 15:05	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	80-114	1		12/22/14 15:05	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-EB14-121014 **Lab ID: 50108787026** Collected: 12/10/14 17:25 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 22:29	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 22:29	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 22:29	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 22:29	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 22:29	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 22:29	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 22:29	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 22:29	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/15/14 09:04	12/16/14 22:29	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 22:29	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 22:29	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 22:29	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/15/14 09:04	12/16/14 22:29	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 22:29	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 22:29	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/15/14 09:04	12/16/14 22:29	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	66	%.	21-114	1	12/15/14 09:04	12/16/14 22:29	321-60-8	
p-Terphenyl-d14 (S)	88	%.	25-131	1	12/15/14 09:04	12/16/14 22:29	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/22/14 15:31	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/22/14 15:31	100-41-4	
Toluene	ND	ug/L	5.0	1		12/22/14 15:31	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/22/14 15:31	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	79-116	1		12/22/14 15:31	1868-53-7	
Toluene-d8 (S)	98	%.	81-110	1		12/22/14 15:31	2037-26-5	
4-Bromofluorobenzene (S)	95	%.	80-114	1		12/22/14 15:31	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-TRIPBLANK4-120914 **Lab ID: 50108787027** Collected: 12/09/14 08:00 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/19/14 20:53	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/19/14 20:53	100-41-4	
Toluene	ND	ug/L	5.0	1		12/19/14 20:53	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/19/14 20:53	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	79-116	1		12/19/14 20:53	1868-53-7	
Toluene-d8 (S)	98	%.	81-110	1		12/19/14 20:53	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	80-114	1		12/19/14 20:53	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-TRIPBLANK5-121014 **Lab ID: 50108787028** Collected: 12/10/14 08:00 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/23/14 13:51	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/23/14 13:51	100-41-4	
Toluene	ND	ug/L	5.0	1		12/23/14 13:51	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/23/14 13:51	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	79-116	1		12/23/14 13:51	1868-53-7	
Toluene-d8 (S)	99	%.	81-110	1		12/23/14 13:51	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	80-114	1		12/23/14 13:51	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-EB11-120914 **Lab ID: 50108787029** Collected: 12/09/14 16:45 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 21:42	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 21:42	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 21:42	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 21:42	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 21:42	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 21:42	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 21:42	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 21:42	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/12/14 12:29	12/15/14 21:42	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 21:42	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 21:42	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 21:42	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 21:42	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 21:42	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 21:42	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 21:42	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	61	%.	21-114	1	12/12/14 12:29	12/15/14 21:42	321-60-8	
p-Terphenyl-d14 (S)	81	%.	25-131	1	12/12/14 12:29	12/15/14 21:42	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/19/14 21:19	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/19/14 21:19	100-41-4	
Toluene	ND	ug/L	5.0	1		12/19/14 21:19	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/19/14 21:19	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	106	%.	79-116	1		12/19/14 21:19	1868-53-7	
Toluene-d8 (S)	96	%.	81-110	1		12/19/14 21:19	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	80-114	1		12/19/14 21:19	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Sample: BPIT-EB12-120914 **Lab ID: 50108787030** Collected: 12/09/14 16:50 Received: 12/10/14 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 22:00	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 22:00	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 22:00	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 22:00	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 22:00	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 22:00	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 22:00	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 22:00	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/12/14 12:29	12/15/14 22:00	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 22:00	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 22:00	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 22:00	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/12/14 12:29	12/15/14 22:00	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 22:00	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 22:00	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/12/14 12:29	12/15/14 22:00	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	59	%.	21-114	1	12/12/14 12:29	12/15/14 22:00	321-60-8	
p-Terphenyl-d14 (S)	73	%.	25-131	1	12/12/14 12:29	12/15/14 22:00	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/19/14 21:45	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/19/14 21:45	100-41-4	
Toluene	ND	ug/L	5.0	1		12/19/14 21:45	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/19/14 21:45	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	79-116	1		12/19/14 21:45	1868-53-7	
Toluene-d8 (S)	99	%.	81-110	1		12/19/14 21:45	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	80-114	1		12/19/14 21:45	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

QC Batch: MSV/72023 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 50108787001, 50108787002, 50108787003, 50108787004, 50108787005, 50108787006, 50108787007, 50108787008, 50108787009, 50108787010, 50108787027, 50108787029, 50108787030

METHOD BLANK: 1211560 Matrix: Water
Associated Lab Samples: 50108787001, 50108787002, 50108787003, 50108787004, 50108787005, 50108787006, 50108787007, 50108787008, 50108787009, 50108787010, 50108787027, 50108787029, 50108787030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	5.0	12/19/14 12:57	
Ethylbenzene	ug/L	ND	5.0	12/19/14 12:57	
m&p-Xylene	ug/L	ND	5.0	12/19/14 12:57	
Toluene	ug/L	ND	5.0	12/19/14 12:57	
Xylene (Total)	ug/L	ND	10.0	12/19/14 12:57	
4-Bromofluorobenzene (S)	%.	92	80-114	12/19/14 12:57	
Dibromofluoromethane (S)	%.	105	79-116	12/19/14 12:57	
Toluene-d8 (S)	%.	95	81-110	12/19/14 12:57	

LABORATORY CONTROL SAMPLE: 1211561

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	38.2	76	74-122	
Ethylbenzene	ug/L	50	38.1	76	66-133	
m&p-Xylene	ug/L	100	75.5	75	70-124	
Toluene	ug/L	50	37.0	74	72-122	
Xylene (Total)	ug/L	150	113	76	70-124	
4-Bromofluorobenzene (S)	%.			93	80-114	
Dibromofluoromethane (S)	%.			104	79-116	
Toluene-d8 (S)	%.			100	81-110	

MATRIX SPIKE SAMPLE: 1211563

Parameter	Units	50108787010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	3120	50	1740	-2760	62-129	M0
Ethylbenzene	ug/L	77.6	50	120	85	28-153	
m&p-Xylene	ug/L	279	100	400	121	29-145	
Toluene	ug/L	76.9	50	118	82	50-132	
Xylene (Total)	ug/L	296	150	459	109	29-145	
4-Bromofluorobenzene (S)	%.				101	80-114	
Dibromofluoromethane (S)	%.				99	79-116	
Toluene-d8 (S)	%.				99	81-110	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

SAMPLE DUPLICATE: 1211562

Parameter	Units	50108787006 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	5.2	5.3	3	20	
Ethylbenzene	ug/L	ND	ND		20	
m&p-Xylene	ug/L	ND	ND		20	
Toluene	ug/L	ND	ND		20	
Xylene (Total)	ug/L	ND	ND		20	
4-Bromofluorobenzene (S)	%.	100	100	0		
Dibromofluoromethane (S)	%.	101	100	1		
Toluene-d8 (S)	%.	96	95	1		

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

QC Batch: MSV/72106 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 50108787011, 50108787012, 50108787013, 50108787017, 50108787018, 50108787019, 50108787020, 50108787022, 50108787025, 50108787026

METHOD BLANK: 1212669 — Matrix: Water
Associated Lab Samples: 50108787011, 50108787012, 50108787013, 50108787017, 50108787018, 50108787019, 50108787020, 50108787022, 50108787025, 50108787026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	5.0	12/22/14 08:38	
Ethylbenzene	ug/L	ND	5.0	12/22/14 08:38	
Toluene	ug/L	ND	5.0	12/22/14 08:38	
Xylene (Total)	ug/L	ND	10.0	12/22/14 08:38	
4-Bromofluorobenzene (S)	%.	94	80-114	12/22/14 08:38	
Dibromofluoromethane (S)	%.	95	79-116	12/22/14 08:38	
Toluene-d8 (S)	%.	97	81-110	12/22/14 08:38	

LABORATORY CONTROL SAMPLE: 1212670

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	50.0	100	74-122	
Ethylbenzene	ug/L	50	50.1	100	66-133	
Toluene	ug/L	50	49.6	99	72-122	
Xylene (Total)	ug/L	150	145	97	70-124	
4-Bromofluorobenzene (S)	%.			96	80-114	
Dibromofluoromethane (S)	%.			96	79-116	
Toluene-d8 (S)	%.			98	81-110	

MATRIX SPIKE SAMPLE: 1212698

Parameter	Units	50108787019 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	ND	50	49.9	97	62-129	
Ethylbenzene	ug/L	ND	50	47.9	92	28-153	
Toluene	ug/L	ND	50	47.8	94	50-132	
Xylene (Total)	ug/L	ND	150	138	88	29-145	
4-Bromofluorobenzene (S)	%.				97	80-114	
Dibromofluoromethane (S)	%.				98	79-116	
Toluene-d8 (S)	%.				99	81-110	

SAMPLE DUPLICATE: 1212672

Parameter	Units	50108787020 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	6.4	6.2	4	20	
Ethylbenzene	ug/L	6.2	6.1	2	20	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

SAMPLE DUPLICATE: 1212672

Parameter	Units	50108787020 Result	Dup Result	RPD	Max RPD	Qualifiers
Toluene	ug/L	ND	ND		20	
Xylene (Total)	ug/L	20.9	20.7	1	20	
4-Bromofluorobenzene (S)	%.	96	96	1		
Dibromofluoromethane (S)	%.	96	95	1		
Toluene-d8 (S)	%.	98	98	1		

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

QC Batch: MSV/72111 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 50108787014, 50108787015, 50108787021, 50108787023

METHOD BLANK: 1212823 — Matrix: Water
Associated Lab Samples: 50108787014, 50108787015, 50108787021, 50108787023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	5.0	12/22/14 19:50	
Ethylbenzene	ug/L	ND	5.0	12/22/14 19:50	
Toluene	ug/L	ND	5.0	12/22/14 19:50	
Xylene (Total)	ug/L	ND	10.0	12/22/14 19:50	
4-Bromofluorobenzene (S)	%.	97	80-114	12/22/14 19:50	
Dibromofluoromethane (S)	%.	96	79-116	12/22/14 19:50	
Toluene-d8 (S)	%.	99	81-110	12/22/14 19:50	

LABORATORY CONTROL SAMPLE: 1212824

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	49.4	99	74-122	
Ethylbenzene	ug/L	50	50.1	100	66-133	
Toluene	ug/L	50	49.7	99	72-122	
Xylene (Total)	ug/L	150	145	97	70-124	
4-Bromofluorobenzene (S)	%.			99	80-114	
Dibromofluoromethane (S)	%.			97	79-116	
Toluene-d8 (S)	%.			98	81-110	

MATRIX SPIKE SAMPLE: 1212827

Parameter	Units	50109166009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	ND	50	48.7	97	62-129	
Ethylbenzene	ug/L	ND	50	47.3	94	28-153	
Toluene	ug/L	ND	50	47.8	95	50-132	
Xylene (Total)	ug/L	ND	150	132	88	29-145	
4-Bromofluorobenzene (S)	%.				96	80-114	
Dibromofluoromethane (S)	%.				96	79-116	
Toluene-d8 (S)	%.				98	81-110	

SAMPLE DUPLICATE: 1212825

Parameter	Units	50109166007 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	
Toluene	ug/L	ND	ND		20	
Xylene (Total)	ug/L	ND	ND		20	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

SAMPLE DUPLICATE: 1212825

Parameter	Units	50109166007 Result	Dup Result	RPD	Max RPD	Qualifiers
4-Bromofluorobenzene (S)	%.	96	98	2		
Dibromofluoromethane (S)	%.	96	94	2		
Toluene-d8 (S)	%.	97	97	0		

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

QC Batch: MSV/72155 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 50108787016, 50108787024, 50108787028

METHOD BLANK: 1213322 Matrix: Water
Associated Lab Samples: 50108787016, 50108787024, 50108787028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	5.0	12/23/14 08:17	
Ethylbenzene	ug/L	ND	5.0	12/23/14 08:17	
Toluene	ug/L	ND	5.0	12/23/14 08:17	
Xylene (Total)	ug/L	ND	10.0	12/23/14 08:17	
4-Bromofluorobenzene (S)	%.	98	80-114	12/23/14 08:17	
Dibromofluoromethane (S)	%.	96	79-116	12/23/14 08:17	
Toluene-d8 (S)	%.	98	81-110	12/23/14 08:17	

LABORATORY CONTROL SAMPLE: 1213323

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	56.3	113	74-122	
Ethylbenzene	ug/L	50	55.3	111	66-133	
Toluene	ug/L	50	56.1	112	72-122	
Xylene (Total)	ug/L	150	162	108	70-124	
4-Bromofluorobenzene (S)	%.			97	80-114	
Dibromofluoromethane (S)	%.			94	79-116	
Toluene-d8 (S)	%.			99	81-110	

MATRIX SPIKE SAMPLE: 1213368

Parameter	Units	50108896005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	ND	50	44.8	90	62-129	
Ethylbenzene	ug/L	ND	50	44.0	88	28-153	
Toluene	ug/L	ND	50	44.2	88	50-132	
Xylene (Total)	ug/L	ND	150	127	85	29-145	
4-Bromofluorobenzene (S)	%.				99	80-114	
Dibromofluoromethane (S)	%.				97	79-116	
Toluene-d8 (S)	%.				99	81-110	

SAMPLE DUPLICATE: 1213324

Parameter	Units	50108896003 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	
Toluene	ug/L	ND	ND		20	
Xylene (Total)	ug/L	ND	ND		20	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

SAMPLE DUPLICATE: 1213324

Parameter	Units	50108896003 Result	Dup Result	RPD	Max RPD	Qualifiers
4-Bromofluorobenzene (S)	%.	96	97	1		
Dibromofluoromethane (S)	%.	96	98	2		
Toluene-d8 (S)	%.	98	97	1		

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

QC Batch: OEXT/37725
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by SIM LVE
Analysis Description: 8270 Water PAH LV by SIM MSSV
Associated Lab Samples: 50108787001

METHOD BLANK: 1205677
Matrix: Water
Associated Lab Samples: 50108787001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	1.0	12/15/14 09:41	
Acenaphthylene	ug/L	ND	1.0	12/15/14 09:41	
Anthracene	ug/L	ND	0.10	12/15/14 09:41	
Benzo(a)anthracene	ug/L	ND	0.10	12/15/14 09:41	
Benzo(a)pyrene	ug/L	ND	0.10	12/15/14 09:41	
Benzo(b)fluoranthene	ug/L	ND	0.10	12/15/14 09:41	
Benzo(g,h,i)perylene	ug/L	ND	0.10	12/15/14 09:41	
Benzo(k)fluoranthene	ug/L	ND	0.10	12/15/14 09:41	
Chrysene	ug/L	ND	0.50	12/15/14 09:41	
Dibenz(a,h)anthracene	ug/L	ND	0.10	12/15/14 09:41	
Fluoranthene	ug/L	ND	1.0	12/15/14 09:41	
Fluorene	ug/L	ND	1.0	12/15/14 09:41	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	12/15/14 09:41	
Naphthalene	ug/L	ND	1.0	12/15/14 09:41	
Phenanthrene	ug/L	ND	1.0	12/15/14 09:41	
Pyrene	ug/L	ND	1.0	12/15/14 09:41	
2-Fluorobiphenyl (S)	%.	66	21-114	12/15/14 09:41	
p-Terphenyl-d14 (S)	%.	92	25-131	12/15/14 09:41	

LABORATORY CONTROL SAMPLE: 1205678

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	10	8.2	82	39-117	
Acenaphthylene	ug/L	10	8.2	82	40-120	
Anthracene	ug/L	10	9.5	95	48-126	
Benzo(a)anthracene	ug/L	10	9.1	91	51-134	
Benzo(a)pyrene	ug/L	10	9.3	93	48-141	
Benzo(b)fluoranthene	ug/L	10	8.9	89	49-139	
Benzo(g,h,i)perylene	ug/L	10	7.5	75	44-134	
Benzo(k)fluoranthene	ug/L	10	8.8	88	48-140	
Chrysene	ug/L	10	9.1	91	53-136	
Dibenz(a,h)anthracene	ug/L	10	7.4	74	44-132	
Fluoranthene	ug/L	10	9.3	93	50-135	
Fluorene	ug/L	10	8.6	86	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	7.4	74	45-132	
Naphthalene	ug/L	10	7.4	74	30-112	
Phenanthrene	ug/L	10	9.2	92	47-128	
Pyrene	ug/L	10	9.5	95	50-134	
2-Fluorobiphenyl (S)	%.			65	21-114	
p-Terphenyl-d14 (S)	%.			82	25-131	

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

QC Batch: OEXT/37726 — Analysis Method: EPA 8270 by SIM LVE
QC Batch Method: EPA 3510 — Analysis Description: 8270 Water PAH LV by SIM MSSV
Associated Lab Samples: 50108787002, 50108787003, 50108787004, 50108787005, 50108787006, 50108787007, 50108787008, 50108787009, 50108787010, 50108787029, 50108787030

METHOD BLANK: 1206043 — Matrix: Water
Associated Lab Samples: 50108787002, 50108787003, 50108787004, 50108787005, 50108787006, 50108787007, 50108787008, 50108787009, 50108787010, 50108787029, 50108787030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	1.0	12/15/14 18:28	
Acenaphthylene	ug/L	ND	1.0	12/15/14 18:28	
Anthracene	ug/L	ND	0.10	12/15/14 18:28	
Benzo(a)anthracene	ug/L	ND	0.10	12/15/14 18:28	
Benzo(a)pyrene	ug/L	ND	0.10	12/15/14 18:28	
Benzo(b)fluoranthene	ug/L	ND	0.10	12/15/14 18:28	
Benzo(g,h,i)perylene	ug/L	ND	0.10	12/15/14 18:28	
Benzo(k)fluoranthene	ug/L	ND	0.10	12/15/14 18:28	
Chrysene	ug/L	ND	0.50	12/15/14 18:28	
Dibenz(a,h)anthracene	ug/L	ND	0.10	12/15/14 18:28	
Fluoranthene	ug/L	ND	1.0	12/15/14 18:28	
Fluorene	ug/L	ND	1.0	12/15/14 18:28	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	12/15/14 18:28	
Naphthalene	ug/L	ND	1.0	12/15/14 18:28	
Phenanthrene	ug/L	ND	1.0	12/15/14 18:28	
Pyrene	ug/L	ND	1.0	12/15/14 18:28	
2-Fluorobiphenyl (S)	%.	57	21-114	12/15/14 18:28	
p-Terphenyl-d14 (S)	%.	89	25-131	12/15/14 18:28	

LABORATORY CONTROL SAMPLE: 1206044

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	10	8.1	81	39-117	
Acenaphthylene	ug/L	10	8.2	82	40-120	
Anthracene	ug/L	10	9.0	90	48-126	
Benzo(a)anthracene	ug/L	10	9.4	94	51-134	
Benzo(a)pyrene	ug/L	10	9.0	90	48-141	
Benzo(b)fluoranthene	ug/L	10	8.7	87	49-139	
Benzo(g,h,i)perylene	ug/L	10	7.7	77	44-134	
Benzo(k)fluoranthene	ug/L	10	8.3	83	48-140	
Chrysene	ug/L	10	9.2	92	53-136	
Dibenz(a,h)anthracene	ug/L	10	7.9	79	44-132	
Fluoranthene	ug/L	10	9.4	94	50-135	
Fluorene	ug/L	10	8.7	87	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	7.8	78	45-132	
Naphthalene	ug/L	10	7.0	70	30-112	
Phenanthrene	ug/L	10	8.7	87	47-128	
Pyrene	ug/L	10	9.4	94	50-134	

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

LABORATORY CONTROL SAMPLE: 1206044

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Fluorobiphenyl (S)	%.			65	21-114	
p-Terphenyl-d14 (S)	%.			85	25-131	

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

QC Batch: OEXT/37727 — Analysis Method: EPA 8270 by SIM LVE
QC Batch Method: EPA 3510 — Analysis Description: 8270 Water PAH LV by SIM MSSV
Associated Lab Samples: 50108787011, 50108787012, 50108787013, 50108787014, 50108787015, 50108787016, 50108787017, 50108787018

METHOD BLANK: 1206356 — Matrix: Water
Associated Lab Samples: 50108787011, 50108787012, 50108787013, 50108787014, 50108787015, 50108787016, 50108787017, 50108787018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	1.0	12/15/14 03:12	
Acenaphthylene	ug/L	ND	1.0	12/15/14 03:12	
Anthracene	ug/L	ND	0.10	12/15/14 03:12	
Benzo(a)anthracene	ug/L	ND	0.10	12/15/14 03:12	
Benzo(a)pyrene	ug/L	ND	0.10	12/15/14 03:12	
Benzo(b)fluoranthene	ug/L	ND	0.10	12/15/14 03:12	
Benzo(g,h,i)perylene	ug/L	ND	0.10	12/15/14 03:12	
Benzo(k)fluoranthene	ug/L	ND	0.10	12/15/14 03:12	
Chrysene	ug/L	ND	0.50	12/15/14 03:12	
Dibenz(a,h)anthracene	ug/L	ND	0.10	12/15/14 03:12	
Fluoranthene	ug/L	ND	1.0	12/15/14 03:12	
Fluorene	ug/L	ND	1.0	12/15/14 03:12	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	12/15/14 03:12	
Naphthalene	ug/L	ND	1.0	12/15/14 03:12	
Phenanthrene	ug/L	ND	1.0	12/15/14 03:12	
Pyrene	ug/L	ND	1.0	12/15/14 03:12	
2-Fluorobiphenyl (S)	%.	63	21-114	12/15/14 03:12	
p-Terphenyl-d14 (S)	%.	90	25-131	12/15/14 03:12	

LABORATORY CONTROL SAMPLE: 1206357

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	10	7.9	79	39-117	
Acenaphthylene	ug/L	10	8.0	80	40-120	
Anthracene	ug/L	10	9.0	90	48-126	
Benzo(a)anthracene	ug/L	10	8.9	89	51-134	
Benzo(a)pyrene	ug/L	10	8.3	83	48-141	
Benzo(b)fluoranthene	ug/L	10	8.3	83	49-139	
Benzo(g,h,i)perylene	ug/L	10	6.4	64	44-134	
Benzo(k)fluoranthene	ug/L	10	7.5	75	48-140	
Chrysene	ug/L	10	8.3	83	53-136	
Dibenz(a,h)anthracene	ug/L	10	6.5	65	44-132	
Fluoranthene	ug/L	10	9.3	93	50-135	
Fluorene	ug/L	10	8.3	83	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	6.5	65	45-132	
Naphthalene	ug/L	10	7.6	76	30-112	
Phenanthrene	ug/L	10	8.9	89	47-128	
Pyrene	ug/L	10	9.2	92	50-134	

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

LABORATORY CONTROL SAMPLE: 1206357

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Fluorobiphenyl (S)	%.			64	21-114	
p-Terphenyl-d14 (S)	%.			78	25-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1206358 1206359

Parameter	Units	50108887007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	ND	10	10	7.5	7.1	75	71	28-116	5	20	
Acenaphthylene	ug/L	ND	10	10	7.5	7.3	75	73	34-115	3	20	
Anthracene	ug/L	ND	10	10	7.9	7.7	79	77	39-121	3	20	
Benzo(a)anthracene	ug/L	ND	10	10	5.8	5.7	58	57	31-127	3	20	
Benzo(a)pyrene	ug/L	ND	10	10	4.6	4.4	46	44	10-121	3	20	
Benzo(b)fluoranthene	ug/L	ND	10	10	4.2	4.0	42	40	10-119	3	20	
Benzo(g,h,i)perylene	ug/L	ND	10	10	3.2	3.1	32	31	10-108	6	20	
Benzo(k)fluoranthene	ug/L	ND	10	10	4.5	4.3	45	43	10-118	6	20	
Chrysene	ug/L	ND	10	10	5.5	5.3	55	53	32-127	4	20	
Dibenz(a,h)anthracene	ug/L	ND	10	10	3.2	3.0	32	30	10-104	5	20	
Fluoranthene	ug/L	ND	10	10	7.1	6.5	71	65	38-131	8	20	
Fluorene	ug/L	ND	10	10	7.7	7.5	77	75	33-121	3	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10	10	3.1	3.0	31	30	10-108	5	20	
Naphthalene	ug/L	ND	10	10	7.1	7.0	71	70	16-119	1	20	
Phenanthrene	ug/L	ND	10	10	7.9	7.7	79	77	32-130	3	20	
Pyrene	ug/L	ND	10	10	7.5	7.1	75	71	39-131	6	20	
2-Fluorobiphenyl (S)	%.						60	55	21-114			
p-Terphenyl-d14 (S)	%.						60	63	25-131			

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

QC Batch: OEXT/37740 | Analysis Method: EPA 8270 by SIM LVE
QC Batch Method: EPA 3510 | Analysis Description: 8270 Water PAH LV by SIM MSSV
Associated Lab Samples: 50108787019, 50108787020, 50108787021, 50108787022, 50108787023, 50108787025, 50108787026

METHOD BLANK: 1207312 | Matrix: Water
Associated Lab Samples: 50108787019, 50108787020, 50108787021, 50108787022, 50108787023, 50108787025, 50108787026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	1.0	12/16/14 16:18	
Acenaphthylene	ug/L	ND	1.0	12/16/14 16:18	
Anthracene	ug/L	ND	0.10	12/16/14 16:18	
Benzo(a)anthracene	ug/L	ND	0.10	12/16/14 16:18	
Benzo(a)pyrene	ug/L	ND	0.10	12/16/14 16:18	
Benzo(b)fluoranthene	ug/L	ND	0.10	12/16/14 16:18	
Benzo(g,h,i)perylene	ug/L	ND	0.10	12/16/14 16:18	
Benzo(k)fluoranthene	ug/L	ND	0.10	12/16/14 16:18	
Chrysene	ug/L	ND	0.50	12/16/14 16:18	
Dibenz(a,h)anthracene	ug/L	ND	0.10	12/16/14 16:18	
Fluoranthene	ug/L	ND	1.0	12/16/14 16:18	
Fluorene	ug/L	ND	1.0	12/16/14 16:18	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	12/16/14 16:18	
Naphthalene	ug/L	ND	1.0	12/16/14 16:18	
Phenanthrene	ug/L	ND	1.0	12/16/14 16:18	
Pyrene	ug/L	ND	1.0	12/16/14 16:18	
2-Fluorobiphenyl (S)	%.	75	21-114	12/16/14 16:18	
p-Terphenyl-d14 (S)	%.	106	25-131	12/16/14 16:18	

LABORATORY CONTROL SAMPLE: 1207313

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	10	8.5	85	39-117	
Acenaphthylene	ug/L	10	8.6	86	40-120	
Anthracene	ug/L	10	10.1	101	48-126	
Benzo(a)anthracene	ug/L	10	9.4	94	51-134	
Benzo(a)pyrene	ug/L	10	7.1	71	48-141	
Benzo(b)fluoranthene	ug/L	10	6.8	68	49-139	
Benzo(g,h,i)perylene	ug/L	10	5.9	59	44-134	
Benzo(k)fluoranthene	ug/L	10	6.5	65	48-140	
Chrysene	ug/L	10	9.9	99	53-136	
Dibenz(a,h)anthracene	ug/L	10	5.5	55	44-132	
Fluoranthene	ug/L	10	10.2	102	50-135	
Fluorene	ug/L	10	9.3	93	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	5.6	56	45-132	
Naphthalene	ug/L	10	7.7	77	30-112	
Phenanthrene	ug/L	10	9.3	93	47-128	
Pyrene	ug/L	10	10	100	50-134	
2-Fluorobiphenyl (S)	%.			68	21-114	
p-Terphenyl-d14 (S)	%.			88	25-131	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

QC Batch: OEXT/37781
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by SIM LVE
Analysis Description: 8270 Water PAH LV by SIM MSSV
Associated Lab Samples: 50108787024

METHOD BLANK: 1209019
Matrix: Water
Associated Lab Samples: 50108787024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	1.0	12/18/14 15:45	
Acenaphthylene	ug/L	ND	1.0	12/18/14 15:45	
Anthracene	ug/L	ND	0.10	12/18/14 15:45	
Benzo(a)anthracene	ug/L	ND	0.10	12/18/14 15:45	
Benzo(a)pyrene	ug/L	ND	0.10	12/18/14 15:45	
Benzo(b)fluoranthene	ug/L	ND	0.10	12/18/14 15:45	
Benzo(g,h,i)perylene	ug/L	ND	0.10	12/18/14 15:45	
Benzo(k)fluoranthene	ug/L	ND	0.10	12/18/14 15:45	
Chrysene	ug/L	ND	0.50	12/18/14 15:45	
Dibenz(a,h)anthracene	ug/L	ND	0.10	12/18/14 15:45	
Fluoranthene	ug/L	ND	1.0	12/18/14 15:45	
Fluorene	ug/L	ND	1.0	12/18/14 15:45	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	12/18/14 15:45	
Naphthalene	ug/L	ND	1.0	12/18/14 15:45	
Phenanthrene	ug/L	ND	1.0	12/18/14 15:45	
Pyrene	ug/L	ND	1.0	12/18/14 15:45	
2-Fluorobiphenyl (S)	%.	57	21-114	12/18/14 15:45	
p-Terphenyl-d14 (S)	%.	83	25-131	12/18/14 15:45	

LABORATORY CONTROL SAMPLE: 1209020

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	10	7.9	79	39-117	
Acenaphthylene	ug/L	10	8.0	80	40-120	
Anthracene	ug/L	10	8.7	87	48-126	
Benzo(a)anthracene	ug/L	10	9.3	93	51-134	
Benzo(a)pyrene	ug/L	10	7.4	74	48-141	
Benzo(b)fluoranthene	ug/L	10	6.8	68	49-139	
Benzo(g,h,i)perylene	ug/L	10	6.4	64	44-134	
Benzo(k)fluoranthene	ug/L	10	7.2	72	48-140	
Chrysene	ug/L	10	10.0	100	53-136	
Dibenz(a,h)anthracene	ug/L	10	6.1	61	44-132	
Fluoranthene	ug/L	10	9.1	91	50-135	
Fluorene	ug/L	10	8.7	87	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	6.2	62	45-132	
Naphthalene	ug/L	10	7.5	75	30-112	
Phenanthrene	ug/L	10	8.1	81	47-128	
Pyrene	ug/L	10	9.3	93	50-134	
2-Fluorobiphenyl (S)	%.			58	21-114	
p-Terphenyl-d14 (S)	%.			83	25-131	

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

QUALIFIERS

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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 (8270 listed analyte) decomposes to Azobenzene.

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

D4	Sample was diluted due to the presence of high levels of target analytes.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H7	Re-extraction or re-analysis could not be performed within method holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50108787001	**BPIT-OW04-120914**	EPA 3510	OEXT/37725	EPA 8270 by SIM LVE	MSSV/16772
50108787002	**BPIT-MW16-120914**	EPA 3510	OEXT/37726	EPA 8270 by SIM LVE	MSSV/16774
50108787003	**BPIT-MW17-120914**	EPA 3510	OEXT/37726	EPA 8270 by SIM LVE	MSSV/16774
50108787004	**BPIT-DUP03-120914**	EPA 3510	OEXT/37726	EPA 8270 by SIM LVE	MSSV/16774
50108787005	**BPIT-DHW101-120914**	EPA 3510	OEXT/37726	EPA 8270 by SIM LVE	MSSV/16774
50108787006	**BPIT-OW05-120914**	EPA 3510	OEXT/37726	EPA 8270 by SIM LVE	MSSV/16774
50108787007	**BPIT-DHW106-120914**	EPA 3510	OEXT/37726	EPA 8270 by SIM LVE	MSSV/16774
50108787008	**BPIT-DHW102-120914**	EPA 3510	OEXT/37726	EPA 8270 by SIM LVE	MSSV/16774
50108787009	**BPIT-MW15-120914**	EPA 3510	OEXT/37726	EPA 8270 by SIM LVE	MSSV/16774
50108787010	**BPIT-DHW105-120914**	EPA 3510	OEXT/37726	EPA 8270 by SIM LVE	MSSV/16774
50108787011	**BPIT-DHW54-121014**	EPA 3510	OEXT/37727	EPA 8270 by SIM LVE	MSSV/16773
50108787012	**BPIT-DHW55-121014**	EPA 3510	OEXT/37727	EPA 8270 by SIM LVE	MSSV/16773
50108787013	**BPIT-OW16-121014**	EPA 3510	OEXT/37727	EPA 8270 by SIM LVE	MSSV/16773
50108787014	**BPIT-DHW107-121014**	EPA 3510	OEXT/37727	EPA 8270 by SIM LVE	MSSV/16773
50108787015	**BPIT-DHW104-121014**	EPA 3510	OEXT/37727	EPA 8270 by SIM LVE	MSSV/16773
50108787016	**BPIT-DUP04-121014**	EPA 3510	OEXT/37727	EPA 8270 by SIM LVE	MSSV/16773
50108787017	**BPIT-DHW103-121014**	EPA 3510	OEXT/37727	EPA 8270 by SIM LVE	MSSV/16773
50108787018	**BPIT-DHW68-121014**	EPA 3510	OEXT/37727	EPA 8270 by SIM LVE	MSSV/16773
50108787019	**BPIT-DHW32-121014**	EPA 3510	OEXT/37740	EPA 8270 by SIM LVE	MSSV/16790
50108787020	**BPIT-OW03-121014**	EPA 3510	OEXT/37740	EPA 8270 by SIM LVE	MSSV/16790
50108787021	**BPIT-DHW30-121014**	EPA 3510	OEXT/37740	EPA 8270 by SIM LVE	MSSV/16790
50108787022	**BPIT-DHW04-121014**	EPA 3510	OEXT/37740	EPA 8270 by SIM LVE	MSSV/16790
50108787023	**BPIT-OW11-121014**	EPA 3510	OEXT/37740	EPA 8270 by SIM LVE	MSSV/16790
50108787024	**BPIT-DHW09-121014**	EPA 3510	OEXT/37781	EPA 8270 by SIM LVE	MSSV/16820
50108787025	**BPIT-EB13-121014**	EPA 3510	OEXT/37740	EPA 8270 by SIM LVE	MSSV/16790
50108787026	**BPIT-EB14-121014**	EPA 3510	OEXT/37740	EPA 8270 by SIM LVE	MSSV/16790
50108787029	**BPIT-EB11-120914**	EPA 3510	OEXT/37726	EPA 8270 by SIM LVE	MSSV/16774
50108787030	**BPIT-EB12-120914**	EPA 3510	OEXT/37726	EPA 8270 by SIM LVE	MSSV/16774
50108787001	**BPIT-OW04-120914**	EPA 8260	MSV/72023		
50108787002	**BPIT-MW16-120914**	EPA 8260	MSV/72023		
50108787003	**BPIT-MW17-120914**	EPA 8260	MSV/72023		
50108787004	**BPIT-DUP03-120914**	EPA 8260	MSV/72023		
50108787005	**BPIT-DHW101-120914**	EPA 8260	MSV/72023		
50108787006	**BPIT-OW05-120914**	EPA 8260	MSV/72023		
50108787007	**BPIT-DHW106-120914**	EPA 8260	MSV/72023		
50108787008	**BPIT-DHW102-120914**	EPA 8260	MSV/72023		
50108787009	**BPIT-MW15-120914**	EPA 8260	MSV/72023		
50108787010	**BPIT-DHW105-120914**	EPA 8260	MSV/72023		
50108787011	**BPIT-DHW54-121014**	EPA 8260	MSV/72106		
50108787012	**BPIT-DHW55-121014**	EPA 8260	MSV/72106		
50108787013	**BPIT-OW16-121014**	EPA 8260	MSV/72106		
50108787014	**BPIT-DHW107-121014**	EPA 8260	MSV/72111		
50108787015	**BPIT-DHW104-121014**	EPA 8260	MSV/72111		
50108787016	**BPIT-DUP04-121014**	EPA 8260	MSV/72155		

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Indianapolis Terminal BP#215
Pace Project No.: 50108787

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50108787017	**BPIT-DHW103-121014**	EPA 8260	MSV/72106		
50108787018	**BPIT-DHW68-121014**	EPA 8260	MSV/72106		
50108787019	**BPIT-DHW32-121014**	EPA 8260	MSV/72106		
50108787020	**BPIT-OW03-121014**	EPA 8260	MSV/72106		
50108787021	**BPIT-DHW30-121014**	EPA 8260	MSV/72111		
50108787022	**BPIT-DHW04-121014**	EPA 8260	MSV/72106		
50108787023	**BPIT-OW11-121014**	EPA 8260	MSV/72111		
50108787024	**BPIT-DHW09-121014**	EPA 8260	MSV/72155		
50108787025	**BPIT-EB13-121014**	EPA 8260	MSV/72106		
50108787026	**BPIT-EB14-121014**	EPA 8260	MSV/72106		
50108787027	**BPIT-TRIPBLANK4-120914**	EPA 8260	MSV/72023		
50108787028	**BPIT-TRIPBLANK5-121014**	EPA 8260	MSV/72155		
50108787029	**BPIT-EB11-120914**	EPA 8260	MSV/72023		
50108787030	**BPIT-EB12-120914**	EPA 8260	MSV/72023		

bp rm

Laboratory Management Program LaMP Chain of Custody Record

BP Site Node Path: BP > USA > IN > Marion > Indianapolis Termina

BP Facility No: # 215

Req Due Date (mm/dd/yy): STD

Rush TAT: Yes ___ No ___

Lab Work Order Number: 50108787

Lab Name: Pace Analytical	Facility Address: 2500 North Tibbs Ave.	Consultant/Contractor: Stantec Consulting Corp.	
Lab Address: 7726 Moller Road, Indianapolis, IN 46268	City, State, ZIP Code: Indianapolis, IN 46222	Consultant/Contractor Project No: 182612301.601.681	
Lab PM: Tina Sayer	Lead Regulatory Agency: EPA	Address: 8770 Guion Rd., Suite B, Indianapolis, IN 46268	
Lab Phone: 317-875-5894	California Global ID No.:	Consultant/Contractor PM: Kyle Amberger	
Lab Shipping Accnt:	Enfos Proposal No: 007VX-0017	Phone: 317-876-8375 x 240	Email: kyle.amberger@stantec.com
Lab Bottle Order No:	Accounting Mode: Provision X OOC-BU ___ OOC-RM ___	Email EDD To: Kyle Amberger	and to lab.enfosdoc@bp.com
Other Info:	Stage: OMM 60 Activity: Project Spend 81	Invoice To: BP X	Contractor ___
BP Project Manager (PM): Bruno Mancini			
BP PM Phone: 216-271-8852			
BP PM Email: bruno.mancini@bp.com			

Report Type & QC Level: Standard X; Full Data Package ___

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	BTEX by 8260	PAHs by 8270SIM	Comments
001	BPIT-OW04-120914	12/9/14	1005		X		Y	5	2			3		X	X	
002	BPIT-MW16-120914	12/9/14	1114													
003	BPIT-MW17-120914	12/9/14	1340													
004	BPIT-DUP03-120914	12/9/14	—													
005	BPIT-DHW01-120914	12/9/14	1506													BPIT-DHW101-120914
006	BPIT-OW05-120914	12/9/14	1015													
007	BPIT-DHW106-120914	12/9/14	1602													
008	BPIT-DHW102-120914	12/9/14	1140													
009	BPIT-MW15-120914	12/9/14	1315													
010	BPIT-DHW105-120914	12/9/14	1435													

Sampler's Name: ANDREW HARDWICK

Sampler's Company: STANTEC

Shipment Method: — Ship Date: —

Shipment Tracking No: —

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Brandon Hirtl / Stantec	12/10/14	845	James Jones	12/10/14	845

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 1.7 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

WEONICE

0.9

bp rm

Laboratory Management Program LaMP Chain of Custody Record

BP Site Node Path: BP > USA > IN > Marion > Indianapolis Termina

Req Due Date (mm/dd/yy): STD

Rush TAT: Yes ___ No ___

BP Facility No: # 215

Lab Work Order Number: 50168787

Lab Name:	Pace Analytical	Facility Address:	2500 North Tibbs Ave.	Consultant/Contractor:	Stantec Consulting Corp.
Lab Address:	7726 Moller Road, Indianapolis, IN 46268	City, State, ZIP Code:	Indianapolis, IN 46222	Consultant/Contractor Project No:	182612301.601.681
Lab PM:	Tina Sayer	Lead Regulatory Agency:	EPA	Address:	8770 Guion Rd., Suite B, Indianapolis, IN 46268
Lab Phone:	317-875-5894	California Global ID No.:		Consultant/Contractor PM:	Kyle Amberger
Lab Shipping Accnt:		Enfos Proposal No:	007VX-0017	Phone:	317-876-8375 x 240 Email: kyle.amberger@stantec.com
Lab Bottle Order No:		Accounting Mode:	Provision X OOC-BU ___ OOC-RM ___	Email EDD To:	Kyle Amberger and to lab.enfosdoc@bp.com
Other Info:		Stage:	OMM 60 Activity: Project Spend 81	Invoice To:	BP X Contractor ___

BP Project Manager (PM): Bruno Mancini

BP PM Phone: 216-271-8852

BP PM Email: bruno.mancini@bp.com

Report Type & QC Level: Standard X; Full Data Package ___

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	BTEX by 8260	PAHs by 8270SIM	Comments
011	BPIT-DHW54-121014	12/10/14	0930		X		Y	5	2			3		X	X	
012	BPIT-DHW53-121014	12/10/14	0950													
013	BPIT-OW16-121014	12/10/14	1123													
014	BPIT-DHW107-121014	12/10/14	1230													
015	BPIT-DHW104-121014	12/10/14	1339													
016	BPIT-DUP04-121014	12/10/14	—													
017	BPIT-DHW103-121014	12/10/14	1457													
018	BPIT-DHW68-121014	12/10/14	1540													
019	BPIT-DHW32-121014	12/10/14	1640													
020	BPIT-OW03-121014	12/10/14	1545													

Comments: Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Andrew Harrowica						
Sampler's Company: Stantec	Brandon Hiatt / Stantec	12/10/14	545	James Jones	12/10/14	545
Shipment Method: — Ship Date: —						
Shipment Tracking No: —						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes (No) | Temp Blank: (Yes) / No | Cooler Temp on Receipt: 1.7 °F/C | Trip Blank: (Yes) / No | MS/MSD Sample Submitted: Yes (No)

0.9

WIONCC

bp rm

Laboratory Management Program LaMP Chain of Custody Record

BP Site Node Path: BP > USA > IN > Marion > Indianapolis Termina

Req Due Date (mm/dd/yy): STD

Rush TAT: Yes ___ No ___

BP Facility No: # 215

Lab Work Order Number: 50108787

Lab Name:	Pace Analytical	Facility Address:	2500 North Tibbs Ave.	Consultant/Contractor:	Stantec Consulting Corp.
Lab Address:	7726 Moller Road, Indianapolis, IN 46268	City, State, ZIP Code:	Indianapolis, IN 46222	Consultant/Contractor Project No:	182612301.601.681
Lab PM:	Tina Sayer	Lead Regulatory Agency:	EPA	Address:	8770 Guion Rd., Suite B, Indianapolis, IN 46268
Lab Phone:	317-875-5894	California Global ID No.:		Consultant/Contractor PM:	Kyle Amberger
Lab Shipping Accnt:		Enfos Proposal No:	007VX-0017	Phone:	317-876-8375 x 240 Email: kyle.amberger@stantec.com
Lab Bottle Order No:		Accounting Mode:	Provision X OOC-BU ___ OOC-RM ___	Email EDD To:	Kyle Amberger and to lab.enfosdoc@bp.com
Other Info:		Stage:	OMM 60 Activity: Project Spend 81	Invoice To:	BP X Contractor ___

BP Project Manager (PM): Bruno Mancini

BP PM Phone: 216-271-8852

BP PM Email: bruno.mancini@bp.com

Report Type & QC Level: Standard X; Full Data Package ___

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	BTEX by 8260	PAHs by 8270SIM	Comments
021	BPIT-DHW30-121014	12/10/14	1340		X		Y	5	2			3		X	X	
022	BPIT-DHW04-121014	12/10/14	1202		|		Y	|	|			|	|	|		
023	BPIT-OW11-121014	12/10/14	1045		|		Y	|	|			|	|	|		
024	BPIT-DHW09-121014	12/10/14	1458		|		Y	|	|			|	|	|		
025	BPIT-EB13-121014	12/10/14	1750		|		N	|	|			|	|	|		
026	BPIT-EB14-121014	12/10/14	1725		|		N	|	|			|	|	|		
027	BPIT-TRIPBLANK4-1209	14 12/9/14	—		X		N	3				3		X		
028	BPIT-TRIPBLANK5-1210	14 12/10/14	—		X		N	3				3		X		
029	BPIT-EB11-120914	12/9/14	16:45											✓	✓	added per K. Amberger 12-11-14 KG
030	BPIT-EB12-120914	12/9/14	16:50											✓	✓	

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Andrew Harowicz						
Sampler's Company: Stantec	Brandon Hiott / Stantec	12/16/14	845	James Jones	12/16/14	845
Shipment Method: — Ship Date: —						
Shipment Tracking No: —						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No (No) | Temp Blank: Yes (Yes) / No | Cooler Temp on Receipt: 1.7 °F/C | Trip Blank: Yes (Yes) / No | MS/MSD Sample Submitted: Yes (Yes) / No

0.9

WIOMKF

Sample Condition Upon Receipt

Pace Analytical

Client Name: BP-Stantec Project # 50108787

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

Tracking #: _____

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

Date/Time 5035A kits placed in freezer _____

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other _____

Thermometer 1 2 3 4 5 6 (A) B C D E F **Type of Ice:** (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable) 1.7c, 0.9c **Ice Visible in Sample Containers:** ☐ yes ☑ no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 121014 CW

				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 & Signature on COC:	☑Yes	☐No	☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	5.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	6.
Containers Intact:	☑Yes	☐No	☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☐Yes	☑No	☐N/A	8. COC says BPIT-DHW01-120914 @ 1506 containers says BPIT-DHW101-120914 @ 1506. Rcvd 2 samples not listed on COC. See below.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.	☐Yes	☑No	☐N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	10.
Trip Blank Present:	☑Yes	☐No	☐N/A	11.
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☐Yes	☐No	☐N/A	12.
Sufficient Volume:	☐Yes	☐No	☐N/A	13.
Correct Containers Used:	☐Yes	☐No	☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: ~~EB-11~~ BPIT-EB11-120914 @1645 & BPIT-EB-12-120914 @1650

Project Manager Review: K.C. Mer **Date:** 12-11-14

Form F-IN-Q-290-rev.06, 05Aug2014

Sample Container Count

CLIENT: BP- Stantec

COC PAGE 1 of 3

COC ID#

Project # 50108787

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST	_____	pH <2	pH>12	Comments
1	3			2																	
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10	3			2																	
11																					
12																					

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count

CLIENT: BP_Stantec

COC PAGE 2 of 3

COC ID#

Project # 50108787

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST	_____	pH <2	pH>12	Comments
1	3			2																	
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10	3			2																	
11																					
12																					

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count

CLIENT: BP-Stantec

COC PAGE 3 of 3

COC ID#

Project # 50108787

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST		pH <2	pH>12	Comments
1	3			2																	
2																					
3																					
4																					
5																					
6				2																	
7				—																	
8				—																	
9				2																	
10	3			2																	
11																					
12																					

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

January 09, 2015

Mr. Kyle Amberger
Stantec
8770 Guion Rd
Suite B
Indianapolis, IN 46268

RE: Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Dear Mr. Amberger:
Enclosed are the analytical results for sample(s) received by the laboratory on December 12, 2014. 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 is a revised report. Sample ID BPIT-DW30-121114 was changed to BPIT-OW30-121114.

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

Sincerely,

Tina Sayer

Tina Sayer
tina.sayer@pacelabs.com
Project Manager

Enclosures

cc: Mr. Ryan Julien, Stantec

CERTIFICATIONS

Project:	Indianapolis Terminal #215
Pace Project No.:	50109029

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky UST Certification #: 0042
Louisiana/NELAP Certification #: 04076
Ohio VAP Certification #: CL-0065
West Virginia Certification #: 330

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50109029001	**BPIT-DHW14-121114**	Water	12/11/14 08:58	12/12/14 15:15
50109029002	**BPIT-DHW23-121114**	Water	12/11/14 10:15	12/12/14 15:15
50109029003	**BPIT-DHW116-121114**	Water	12/11/14 11:32	12/12/14 15:15
50109029004	**BPIT-DHW19-121114**	Water	12/11/14 13:13	12/12/14 15:15
50109029005	**BPIT-MW14-121114**	Water	12/11/14 14:22	12/12/14 15:15
50109029006	**BPIT-DHW17-121114**	Water	12/11/14 15:33	12/12/14 15:15
50109029007	**BPIT-DUP05-121114**	Water	12/11/14 08:00	12/12/14 15:15
50109029008	**BPIT-DUP06-121114**	Water	12/11/14 08:00	12/12/14 15:15
50109029009	**BPIT-DUP07-121114**	Water	12/11/14 08:00	12/12/14 15:15
50109029010	**BPIT-DHW28-121214**	Water	12/12/14 10:10	12/12/14 15:15
50109029011	**BPIT-DHW113-121214**	Water	12/12/14 09:48	12/12/14 15:15
50109029012	**BPIT-EB15-121114**	Water	12/11/14 16:30	12/12/14 15:15
50109029013	**BPIT-EB16-121114**	Water	12/11/14 16:45	12/12/14 15:15
50109029014	**BPIT-DHW114-121114**	Water	12/11/14 16:04	12/12/14 15:15
50109029015	**BPIT-DHW69-121114**	Water	12/11/14 15:29	12/12/14 15:15
50109029016	**BPIT-OW30-121114**	Water	12/11/14 11:27	12/12/14 15:15
50109029017	**BPIT-DHW72-121114**	Water	12/11/14 10:28	12/12/14 15:15
50109029018	**BPIT-DHW70-121114**	Water	12/11/14 13:46	12/12/14 15:15
50109029019	**BPIT-DHW71-121114**	Water	12/11/14 12:41	12/12/14 15:15
50109029020	**BPIT-TRIPBLANK6-121114**	Water	12/11/14 08:00	12/12/14 15:15

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50109029001	**BPIT-DHW14-121114**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50109029002	**BPIT-DHW23-121114**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50109029003	**BPIT-DHW116-121114**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50109029004	**BPIT-DHW19-121114**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50109029005	**BPIT-MW14-121114**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50109029006	**BPIT-DHW17-121114**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50109029007	**BPIT-DUP05-121114**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50109029008	**BPIT-DUP06-121114**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50109029009	**BPIT-DUP07-121114**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50109029010	**BPIT-DHW28-121214**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50109029011	**BPIT-DHW113-121214**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50109029012	**BPIT-EB15-121114**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50109029013	**BPIT-EB16-121114**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50109029014	**BPIT-DHW114-121114**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50109029015	**BPIT-DHW69-121114**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50109029016	**BPIT-OW30-121114**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50109029017	**BPIT-DHW72-121114**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50109029018	**BPIT-DHW70-121114**	EPA 8270 by SIM LVE	CEM	18
		EPA 8260	DAE	7
50109029019	**BPIT-DHW71-121114**	EPA 8270 by SIM LVE	CEM	18

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 8260	DAE	7
50109029020	**BPIT-TRIPBLANK6-121114**	EPA 8260	DAE	7

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Sample: BPIT-DHW14-121114 **Lab ID: 50109029001** Collected: 12/11/14 08:58 Received: 12/12/14 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/16/14 12:34	12/17/14 06:08	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/16/14 12:34	12/17/14 06:08	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/16/14 12:34	12/17/14 06:08	120-12-7	
Benzo(a)anthracene	**0.072J**	ug/L	0.10	1	12/16/14 12:34	12/17/14 06:08	56-55-3	
Benzo(a)pyrene	**0.052J**	ug/L	0.10	1	12/16/14 12:34	12/17/14 06:08	50-32-8	
Benzo(b)fluoranthene	**0.086J**	ug/L	0.10	1	12/16/14 12:34	12/17/14 06:08	205-99-2	
Benzo(g,h,i)perylene	**0.068J**	ug/L	0.10	1	12/16/14 12:34	12/17/14 06:08	191-24-2	
Benzo(k)fluoranthene	**0.11**	ug/L	0.10	1	12/16/14 12:34	12/17/14 06:08	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/16/14 12:34	12/17/14 06:08	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/16/14 12:34	12/17/14 06:08	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/16/14 12:34	12/17/14 06:08	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/16/14 12:34	12/17/14 06:08	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.056J**	ug/L	0.10	1	12/16/14 12:34	12/17/14 06:08	193-39-5	
Naphthalene	**1.0**	ug/L	1.0	1	12/16/14 12:34	12/17/14 06:08	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/16/14 12:34	12/17/14 06:08	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/16/14 12:34	12/17/14 06:08	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	42	%.	21-114	1	12/16/14 12:34	12/17/14 06:08	321-60-8	
p-Terphenyl-d14 (S)	43	%.	25-131	1	12/16/14 12:34	12/17/14 06:08	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**5450**	ug/L	250	50		12/21/14 10:00	71-43-2	
Ethylbenzene	ND	ug/L	25.0	5		12/21/14 09:28	100-41-4	
Toluene	**16.0J**	ug/L	25.0	5		12/21/14 09:28	108-88-3	
Xylene (Total)	ND	ug/L	50.0	5		12/21/14 09:28	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	79-116	5		12/21/14 09:28	1868-53-7	D4
Toluene-d8 (S)	87	%.	81-110	5		12/21/14 09:28	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	80-114	5		12/21/14 09:28	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Sample: BPIT-DHW23-121114 **Lab ID: 50109029002** Collected: 12/11/14 10:15 Received: 12/12/14 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**1.1**	ug/L	1.0	1	12/17/14 09:10	12/18/14 22:50	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/17/14 09:10	12/18/14 22:50	208-96-8	
Anthracene	**0.12**	ug/L	0.10	1	12/17/14 09:10	12/18/14 22:50	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 22:50	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 22:50	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 22:50	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 22:50	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 22:50	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/17/14 09:10	12/18/14 22:50	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 22:50	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/17/14 09:10	12/18/14 22:50	206-44-0	
Fluorene	**1.5**	ug/L	1.0	1	12/17/14 09:10	12/18/14 22:50	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 22:50	193-39-5	
Naphthalene	**42.5**	ug/L	1.0	1	12/17/14 09:10	12/18/14 22:50	91-20-3	
Phenanthrene	**1.3**	ug/L	1.0	1	12/17/14 09:10	12/18/14 22:50	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/17/14 09:10	12/18/14 22:50	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	35	%.	21-114	1	12/17/14 09:10	12/18/14 22:50	321-60-8	
p-Terphenyl-d14 (S)	49	%.	25-131	1	12/17/14 09:10	12/18/14 22:50	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**7210**	ug/L	500	100		12/22/14 21:07	71-43-2	
Ethylbenzene	**169**	ug/L	5.0	1		12/21/14 10:32	100-41-4	
Toluene	**49.6**	ug/L	5.0	1		12/21/14 10:32	108-88-3	
Xylene (Total)	**277**	ug/L	10.0	1		12/21/14 10:32	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	79-116	1		12/21/14 10:32	1868-53-7	
Toluene-d8 (S)	86	%.	81-110	1		12/21/14 10:32	2037-26-5	
4-Bromofluorobenzene (S)	110	%.	80-114	1		12/21/14 10:32	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Sample: BPIT-DHW116-121114 **Lab ID: 50109029003** Collected: 12/11/14 11:32 Received: 12/12/14 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**0.89J**	ug/L	1.0	1	12/17/14 09:10	12/18/14 23:07	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/17/14 09:10	12/18/14 23:07	208-96-8	
Anthracene	**0.14**	ug/L	0.10	1	12/17/14 09:10	12/18/14 23:07	120-12-7	
Benzo(a)anthracene	**0.081J**	ug/L	0.10	1	12/17/14 09:10	12/18/14 23:07	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 23:07	50-32-8	
Benzo(b)fluoranthene	**0.065J**	ug/L	0.10	1	12/17/14 09:10	12/18/14 23:07	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 23:07	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 23:07	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/17/14 09:10	12/18/14 23:07	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 23:07	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/17/14 09:10	12/18/14 23:07	206-44-0	
Fluorene	**1.6**	ug/L	1.0	1	12/17/14 09:10	12/18/14 23:07	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 23:07	193-39-5	
Naphthalene	**15.7**	ug/L	1.0	1	12/17/14 09:10	12/18/14 23:07	91-20-3	
Phenanthrene	**1.3**	ug/L	1.0	1	12/17/14 09:10	12/18/14 23:07	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/17/14 09:10	12/18/14 23:07	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	31	%.	21-114	1	12/17/14 09:10	12/18/14 23:07	321-60-8	
p-Terphenyl-d14 (S)	47	%.	25-131	1	12/17/14 09:10	12/18/14 23:07	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**13300**	ug/L	500	100		12/21/14 12:09	71-43-2	
Ethylbenzene	**149**	ug/L	50.0	10		12/21/14 11:37	100-41-4	
Toluene	**67.6**	ug/L	50.0	10		12/21/14 11:37	108-88-3	
Xylene (Total)	**123**	ug/L	100	10		12/21/14 11:37	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	79-116	10		12/21/14 11:37	1868-53-7	D4
Toluene-d8 (S)	86	%.	81-110	10		12/21/14 11:37	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	80-114	10		12/21/14 11:37	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Sample: BPIT-DHW19-121114 **Lab ID: 50109029004** Collected: 12/11/14 13:13 Received: 12/12/14 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**1.3**	ug/L	1.0	1	12/17/14 09:10	12/18/14 23:25	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/17/14 09:10	12/18/14 23:25	208-96-8	
Anthracene	**0.13**	ug/L	0.10	1	12/17/14 09:10	12/18/14 23:25	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 23:25	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 23:25	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 23:25	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 23:25	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 23:25	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/17/14 09:10	12/18/14 23:25	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 23:25	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/17/14 09:10	12/18/14 23:25	206-44-0	
Fluorene	**1.8**	ug/L	1.0	1	12/17/14 09:10	12/18/14 23:25	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 23:25	193-39-5	
Naphthalene	**2.0**	ug/L	1.0	1	12/17/14 09:10	12/18/14 23:25	91-20-3	
Phenanthrene	**1.4**	ug/L	1.0	1	12/17/14 09:10	12/18/14 23:25	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/17/14 09:10	12/18/14 23:25	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	42	%.	21-114	1	12/17/14 09:10	12/18/14 23:25	321-60-8	
p-Terphenyl-d14 (S)	46	%.	25-131	1	12/17/14 09:10	12/18/14 23:25	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**2430**	ug/L	50.0	10		12/21/14 13:14	71-43-2	
Ethylbenzene	**23.1**	ug/L	5.0	1		12/21/14 12:42	100-41-4	
Toluene	**17.0**	ug/L	5.0	1		12/21/14 12:42	108-88-3	
Xylene (Total)	**22.9**	ug/L	10.0	1		12/21/14 12:42	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	79-116	1		12/21/14 12:42	1868-53-7	
Toluene-d8 (S)	87	%.	81-110	1		12/21/14 12:42	2037-26-5	
4-Bromofluorobenzene (S)	109	%.	80-114	1		12/21/14 12:42	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Sample: BPIT-MW14-121114 **Lab ID: 50109029005** Collected: 12/11/14 14:22 Received: 12/12/14 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**1.2**	ug/L	1.0	1	12/17/14 09:10	12/18/14 23:43	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/17/14 09:10	12/18/14 23:43	208-96-8	
Anthracene	**0.12**	ug/L	0.10	1	12/17/14 09:10	12/18/14 23:43	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 23:43	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 23:43	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 23:43	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 23:43	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 23:43	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/17/14 09:10	12/18/14 23:43	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 23:43	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/17/14 09:10	12/18/14 23:43	206-44-0	
Fluorene	**1.5**	ug/L	1.0	1	12/17/14 09:10	12/18/14 23:43	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/18/14 23:43	193-39-5	
Naphthalene	**39.0**	ug/L	1.0	1	12/17/14 09:10	12/18/14 23:43	91-20-3	
Phenanthrene	**0.53J**	ug/L	1.0	1	12/17/14 09:10	12/18/14 23:43	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/17/14 09:10	12/18/14 23:43	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	42	%.	21-114	1	12/17/14 09:10	12/18/14 23:43	321-60-8	
p-Terphenyl-d14 (S)	49	%.	25-131	1	12/17/14 09:10	12/18/14 23:43	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**4450**	ug/L	500	100		12/22/14 22:12	71-43-2	
Ethylbenzene	**118**	ug/L	50.0	10		12/22/14 21:40	100-41-4	
Toluene	**47.7J**	ug/L	50.0	10		12/22/14 21:40	108-88-3	
Xylene (Total)	**287**	ug/L	100	10		12/22/14 21:40	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	79-116	10		12/22/14 21:40	1868-53-7	D4
Toluene-d8 (S)	100	%.	81-110	10		12/22/14 21:40	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	80-114	10		12/22/14 21:40	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Sample: BPIT-DHW17-121114 **Lab ID: 50109029006** Collected: 12/11/14 15:33 Received: 12/12/14 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**0.76J**	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:00	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:00	208-96-8	
Anthracene	**0.065J**	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:00	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:00	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:00	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:00	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:00	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:00	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/17/14 09:10	12/19/14 00:00	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:00	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:00	206-44-0	
Fluorene	**0.94J**	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:00	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:00	193-39-5	
Naphthalene	**2.1**	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:00	91-20-3	
Phenanthrene	**1.0**	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:00	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:00	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	49	%.	21-114	1	12/17/14 09:10	12/19/14 00:00	321-60-8	
p-Terphenyl-d14 (S)	71	%.	25-131	1	12/17/14 09:10	12/19/14 00:00	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**474**	ug/L	100	20		12/21/14 14:03	71-43-2	
Ethylbenzene	**4.9J**	ug/L	5.0	1		12/21/14 12:58	100-41-4	
Toluene	**5.4**	ug/L	5.0	1		12/21/14 12:58	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/21/14 12:58	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	79-116	1		12/21/14 12:58	1868-53-7	
Toluene-d8 (S)	87	%.	81-110	1		12/21/14 12:58	2037-26-5	
4-Bromofluorobenzene (S)	108	%.	80-114	1		12/21/14 12:58	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Sample: BPIT-DUP05-121114 **Lab ID: 50109029007** Collected: 12/11/14 08:00 Received: 12/12/14 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**1.1**	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:18	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:18	208-96-8	
Anthracene	**0.14**	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:18	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:18	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:18	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/17/14 09:10	12/19/14 00:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:18	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:18	206-44-0	
Fluorene	**1.7**	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:18	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:18	193-39-5	
Naphthalene	**66.2**	ug/L	10.0	10	12/17/14 09:10	12/23/14 08:58	91-20-3	
Phenanthrene	**1.4**	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:18	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:18	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	40	%.	21-114	1	12/17/14 09:10	12/19/14 00:18	321-60-8	
p-Terphenyl-d14 (S)	62	%.	25-131	1	12/17/14 09:10	12/19/14 00:18	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**8810**	ug/L	500	100		12/23/14 15:08	71-43-2	
Ethylbenzene	**199**	ug/L	5.0	1		12/22/14 22:45	100-41-4	
Toluene	**63.7**	ug/L	5.0	1		12/22/14 22:45	108-88-3	
Xylene (Total)	**329**	ug/L	10.0	1		12/22/14 22:45	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	91	%.	79-116	1		12/22/14 22:45	1868-53-7	
Toluene-d8 (S)	100	%.	81-110	1		12/22/14 22:45	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	80-114	1		12/22/14 22:45	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Sample: BPIT-DUP06-121114 **Lab ID: 50109029008** Collected: 12/11/14 08:00 Received: 12/12/14 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**1.6**	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:36	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:36	208-96-8	
Anthracene	**0.39**	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:36	120-12-7	
Benzo(a)anthracene	**0.31**	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:36	56-55-3	
Benzo(a)pyrene	**0.22**	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:36	50-32-8	
Benzo(b)fluoranthene	**0.27**	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:36	205-99-2	
Benzo(g,h,i)perylene	**0.15**	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:36	191-24-2	
Benzo(k)fluoranthene	**0.21**	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:36	207-08-9	
Chrysene	**0.41J**	ug/L	0.50	1	12/17/14 09:10	12/19/14 00:36	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:36	53-70-3	
Fluoranthene	**0.84J**	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:36	206-44-0	
Fluorene	**3.2**	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:36	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.15**	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:36	193-39-5	
Naphthalene	**27.6**	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:36	91-20-3	
Phenanthrene	**3.2**	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:36	85-01-8	
Pyrene	**1.1**	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:36	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	42	%.	21-114	1	12/17/14 09:10	12/19/14 00:36	321-60-8	
p-Terphenyl-d14 (S)	65	%.	25-131	1	12/17/14 09:10	12/19/14 00:36	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**14700**	ug/L	250	50		12/23/14 04:41	71-43-2	
Ethylbenzene	**176**	ug/L	25.0	5		12/23/14 04:09	100-41-4	
Toluene	**86.7**	ug/L	25.0	5		12/23/14 04:09	108-88-3	
Xylene (Total)	**176**	ug/L	50.0	5		12/23/14 04:09	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	90	%.	79-116	5		12/23/14 04:09	1868-53-7	D4
Toluene-d8 (S)	100	%.	81-110	5		12/23/14 04:09	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	80-114	5		12/23/14 04:09	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Sample: BPIT-DUP07-121114 **Lab ID: 50109029009** Collected: 12/11/14 08:00 Received: 12/12/14 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**1.3**	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:53	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:53	208-96-8	
Anthracene	**0.12**	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:53	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:53	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:53	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:53	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:53	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:53	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/17/14 09:10	12/19/14 00:53	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:53	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:53	206-44-0	
Fluorene	**1.8**	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:53	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 00:53	193-39-5	
Naphthalene	**33.9**	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:53	91-20-3	
Phenanthrene	**0.63J**	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:53	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 00:53	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	44	%.	21-114	1	12/17/14 09:10	12/19/14 00:53	321-60-8	
p-Terphenyl-d14 (S)	67	%.	25-131	1	12/17/14 09:10	12/19/14 00:53	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**4530**	ug/L	250	50		12/23/14 00:22	71-43-2	
Ethylbenzene	**120**	ug/L	25.0	5		12/22/14 23:50	100-41-4	
Toluene	**49.4**	ug/L	25.0	5		12/22/14 23:50	108-88-3	
Xylene (Total)	**291**	ug/L	50.0	5		12/22/14 23:50	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	92	%.	79-116	5		12/22/14 23:50	1868-53-7	D4
Toluene-d8 (S)	100	%.	81-110	5		12/22/14 23:50	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	80-114	5		12/22/14 23:50	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Sample: BPIT-DHW28-121214 **Lab ID: 50109029010** Collected: 12/12/14 10:10 Received: 12/12/14 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/17/14 11:26	12/18/14 21:04	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/17/14 11:26	12/18/14 21:04	208-96-8	
Anthracene	**0.080J**	ug/L	0.10	1	12/17/14 11:26	12/18/14 21:04	120-12-7	
Benzo(a)anthracene	**0.32**	ug/L	0.10	1	12/17/14 11:26	12/18/14 21:04	56-55-3	
Benzo(a)pyrene	**0.47**	ug/L	0.10	1	12/17/14 11:26	12/18/14 21:04	50-32-8	
Benzo(b)fluoranthene	**0.72**	ug/L	0.10	1	12/17/14 11:26	12/18/14 21:04	205-99-2	
Benzo(g,h,i)perylene	**0.45**	ug/L	0.10	1	12/17/14 11:26	12/18/14 21:04	191-24-2	
Benzo(k)fluoranthene	**0.59**	ug/L	0.10	1	12/17/14 11:26	12/18/14 21:04	207-08-9	
Chrysene	**0.94**	ug/L	0.50	1	12/17/14 11:26	12/18/14 21:04	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/17/14 11:26	12/18/14 21:04	53-70-3	
Fluoranthene	**1.5**	ug/L	1.0	1	12/17/14 11:26	12/18/14 21:04	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/17/14 11:26	12/18/14 21:04	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.40**	ug/L	0.10	1	12/17/14 11:26	12/18/14 21:04	193-39-5	
Naphthalene	**0.81J**	ug/L	1.0	1	12/17/14 11:26	12/18/14 21:04	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/17/14 11:26	12/18/14 21:04	85-01-8	
Pyrene	**1.3**	ug/L	1.0	1	12/17/14 11:26	12/18/14 21:04	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	42	%.	21-114	1	12/17/14 11:26	12/18/14 21:04	321-60-8	
p-Terphenyl-d14 (S)	57	%.	25-131	1	12/17/14 11:26	12/18/14 21:04	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**4100**	ug/L	250	50		12/23/14 06:19	71-43-2	
Ethylbenzene	ND	ug/L	25.0	5		12/23/14 05:14	100-41-4	
Toluene	ND	ug/L	25.0	5		12/23/14 05:14	108-88-3	
Xylene (Total)	ND	ug/L	50.0	5		12/23/14 05:14	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	5		12/23/14 05:14	1868-53-7	D4
Toluene-d8 (S)	100	%.	81-110	5		12/23/14 05:14	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	80-114	5		12/23/14 05:14	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Sample: BPIT-DHW113-121214 **Lab ID: 50109029011** Collected: 12/12/14 09:48 Received: 12/12/14 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**1.3**	ug/L	1.0	1	12/17/14 11:26	12/18/14 21:21	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/17/14 11:26	12/18/14 21:21	208-96-8	
Anthracene	**0.13**	ug/L	0.10	1	12/17/14 11:26	12/18/14 21:21	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/17/14 11:26	12/18/14 21:21	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/17/14 11:26	12/18/14 21:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/17/14 11:26	12/18/14 21:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/17/14 11:26	12/18/14 21:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/17/14 11:26	12/18/14 21:21	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/17/14 11:26	12/18/14 21:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/17/14 11:26	12/18/14 21:21	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/17/14 11:26	12/18/14 21:21	206-44-0	
Fluorene	**1.7**	ug/L	1.0	1	12/17/14 11:26	12/18/14 21:21	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/17/14 11:26	12/18/14 21:21	193-39-5	
Naphthalene	**77.8**	ug/L	10.0	10	12/17/14 11:26	12/29/14 14:57	91-20-3	
Phenanthrene	**1.7**	ug/L	1.0	1	12/17/14 11:26	12/18/14 21:21	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/17/14 11:26	12/18/14 21:21	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	43	%.	21-114	1	12/17/14 11:26	12/18/14 21:21	321-60-8	
p-Terphenyl-d14 (S)	64	%.	25-131	1	12/17/14 11:26	12/18/14 21:21	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**1370**	ug/L	100	20		12/23/14 01:27	71-43-2	
Ethylbenzene	**356**	ug/L	100	20		12/23/14 01:27	100-41-4	
Toluene	**76.0**	ug/L	5.0	1		12/23/14 00:54	108-88-3	
Xylene (Total)	**545**	ug/L	10.0	1		12/23/14 00:54	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	91	%.	79-116	1		12/23/14 00:54	1868-53-7	
Toluene-d8 (S)	100	%.	81-110	1		12/23/14 00:54	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	80-114	1		12/23/14 00:54	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Sample: BPIT-EB15-121114 **Lab ID: 50109029012** Collected: 12/11/14 16:30 Received: 12/12/14 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 01:11	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 01:11	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 01:11	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 01:11	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 01:11	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 01:11	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 01:11	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 01:11	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/17/14 09:10	12/19/14 01:11	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 01:11	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 01:11	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 01:11	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 01:11	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 01:11	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 01:11	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 01:11	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	56	%.	21-114	1	12/17/14 09:10	12/19/14 01:11	321-60-8	
p-Terphenyl-d14 (S)	86	%.	25-131	1	12/17/14 09:10	12/19/14 01:11	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/23/14 01:59	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/23/14 01:59	100-41-4	
Toluene	ND	ug/L	5.0	1		12/23/14 01:59	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/23/14 01:59	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		12/23/14 01:59	1868-53-7	
Toluene-d8 (S)	97	%.	81-110	1		12/23/14 01:59	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	80-114	1		12/23/14 01:59	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Sample: BPIT-EB16-121114 **Lab ID: 50109029013** Collected: 12/11/14 16:45 Received: 12/12/14 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 01:28	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 01:28	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 01:28	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 01:28	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 01:28	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 01:28	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 01:28	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 01:28	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/17/14 09:10	12/19/14 01:28	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 01:28	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 01:28	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 01:28	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 01:28	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 01:28	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 01:28	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 01:28	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	68	%.	21-114	1	12/17/14 09:10	12/19/14 01:28	321-60-8	
p-Terphenyl-d14 (S)	96	%.	25-131	1	12/17/14 09:10	12/19/14 01:28	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/23/14 02:32	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/23/14 02:32	100-41-4	
Toluene	ND	ug/L	5.0	1		12/23/14 02:32	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/23/14 02:32	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	79-116	1		12/23/14 02:32	1868-53-7	
Toluene-d8 (S)	98	%.	81-110	1		12/23/14 02:32	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	80-114	1		12/23/14 02:32	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Sample: BPIT-DHW114-121114 **Lab ID: 50109029014** Collected: 12/11/14 16:04 Received: 12/12/14 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	**0.87J**	ug/L	1.0	1	12/17/14 09:10	12/19/14 01:46	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 01:46	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 01:46	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 01:46	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 01:46	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 01:46	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 01:46	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 01:46	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/17/14 09:10	12/19/14 01:46	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 01:46	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 01:46	206-44-0	
Fluorene	**1.7**	ug/L	1.0	1	12/17/14 09:10	12/19/14 01:46	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 01:46	193-39-5	
Naphthalene	**1.4**	ug/L	1.0	1	12/17/14 09:10	12/19/14 01:46	91-20-3	
Phenanthrene	**0.91J**	ug/L	1.0	1	12/17/14 09:10	12/19/14 01:46	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 01:46	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	55	%.	21-114	1	12/17/14 09:10	12/19/14 01:46	321-60-8	
p-Terphenyl-d14 (S)	71	%.	25-131	1	12/17/14 09:10	12/19/14 01:46	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**32.9**	ug/L	5.0	1		12/21/14 13:47	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/21/14 13:47	100-41-4	
Toluene	ND	ug/L	5.0	1		12/21/14 13:47	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/21/14 13:47	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	79-116	1		12/21/14 13:47	1868-53-7	
Toluene-d8 (S)	86	%.	81-110	1		12/21/14 13:47	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	80-114	1		12/21/14 13:47	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Sample: BPIT-DHW69-121114 **Lab ID: 50109029015** Collected: 12/11/14 15:29 Received: 12/12/14 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:04	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:04	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:04	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:04	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:04	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:04	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:04	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:04	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/17/14 09:10	12/19/14 02:04	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:04	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:04	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:04	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:04	193-39-5	
Naphthalene	**7.1**	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:04	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:04	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:04	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	57	%.	21-114	1	12/17/14 09:10	12/19/14 02:04	321-60-8	
p-Terphenyl-d14 (S)	75	%.	25-131	1	12/17/14 09:10	12/19/14 02:04	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	**850**	ug/L	50.0	10		12/22/14 23:33	71-43-2	
Ethylbenzene	**63.8**	ug/L	5.0	1		12/21/14 14:51	100-41-4	
Toluene	**7.9**	ug/L	5.0	1		12/21/14 14:51	108-88-3	
Xylene (Total)	**153**	ug/L	10.0	1		12/21/14 14:51	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	1		12/21/14 14:51	1868-53-7	
Toluene-d8 (S)	87	%.	81-110	1		12/21/14 14:51	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	80-114	1		12/21/14 14:51	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Sample: BPIT-OW30-121114 **Lab ID: 50109029016** Collected: 12/11/14 11:27 Received: 12/12/14 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:21	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:21	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:21	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:21	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:21	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/17/14 09:10	12/19/14 02:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:21	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:21	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:21	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:21	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:21	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:21	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:21	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	60	%.	21-114	1	12/17/14 09:10	12/19/14 02:21	321-60-8	
p-Terphenyl-d14 (S)	80	%.	25-131	1	12/17/14 09:10	12/19/14 02:21	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/23/14 03:04	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/23/14 03:04	100-41-4	
Toluene	ND	ug/L	5.0	1		12/23/14 03:04	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/23/14 03:04	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		12/23/14 03:04	1868-53-7	
Toluene-d8 (S)	99	%.	81-110	1		12/23/14 03:04	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	80-114	1		12/23/14 03:04	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Sample: BPIT-DHW72-121114 **Lab ID: 50109029017** Collected: 12/11/14 10:28 Received: 12/12/14 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:39	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:39	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:39	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:39	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:39	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:39	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:39	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:39	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/17/14 09:10	12/19/14 02:39	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:39	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:39	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:39	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:39	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:39	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:39	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:39	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	64	%.	21-114	1	12/17/14 09:10	12/19/14 02:39	321-60-8	
p-Terphenyl-d14 (S)	82	%.	25-131	1	12/17/14 09:10	12/19/14 02:39	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/21/14 14:35	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/21/14 14:35	100-41-4	
Toluene	ND	ug/L	5.0	1		12/21/14 14:35	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/21/14 14:35	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	79-116	1		12/21/14 14:35	1868-53-7	
Toluene-d8 (S)	85	%.	81-110	1		12/21/14 14:35	2037-26-5	
4-Bromofluorobenzene (S)	107	%.	80-114	1		12/21/14 14:35	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Sample: BPIT-DHW70-121114 **Lab ID: 50109029018** Collected: 12/11/14 13:46 Received: 12/12/14 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:57	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:57	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:57	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:57	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:57	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:57	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:57	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:57	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/17/14 09:10	12/19/14 02:57	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:57	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:57	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:57	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 02:57	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:57	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:57	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 02:57	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	57	%.	21-114	1	12/17/14 09:10	12/19/14 02:57	321-60-8	
p-Terphenyl-d14 (S)	78	%.	25-131	1	12/17/14 09:10	12/19/14 02:57	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/23/14 13:30	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/23/14 13:30	100-41-4	
Toluene	ND	ug/L	5.0	1		12/23/14 13:30	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/23/14 13:30	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	79-116	1		12/23/14 13:30	1868-53-7	
Toluene-d8 (S)	96	%.	81-110	1		12/23/14 13:30	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	80-114	1		12/23/14 13:30	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Sample: BPIT-DHW71-121114 **Lab ID: 50109029019** Collected: 12/11/14 12:41 Received: 12/12/14 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 03:50	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 03:50	208-96-8	
Anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 03:50	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 03:50	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 03:50	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 03:50	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 03:50	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 03:50	207-08-9	
Chrysene	ND	ug/L	0.50	1	12/17/14 09:10	12/19/14 03:50	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 03:50	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 03:50	206-44-0	
Fluorene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 03:50	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	12/17/14 09:10	12/19/14 03:50	193-39-5	
Naphthalene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 03:50	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 03:50	85-01-8	
Pyrene	ND	ug/L	1.0	1	12/17/14 09:10	12/19/14 03:50	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	59	%.	21-114	1	12/17/14 09:10	12/19/14 03:50	321-60-8	
p-Terphenyl-d14 (S)	85	%.	25-131	1	12/17/14 09:10	12/19/14 03:50	1718-51-0	
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/22/14 22:29	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/22/14 22:29	100-41-4	
Toluene	ND	ug/L	5.0	1		12/22/14 22:29	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/22/14 22:29	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		12/22/14 22:29	1868-53-7	
Toluene-d8 (S)	97	%.	81-110	1		12/22/14 22:29	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	80-114	1		12/22/14 22:29	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Sample: BPIT-TRIPBLANK6-121114 **Lab ID: 50109029020** Collected: 12/11/14 08:00 Received: 12/12/14 15:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		12/21/14 06:13	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		12/21/14 06:13	100-41-4	
Toluene	ND	ug/L	5.0	1		12/21/14 06:13	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		12/21/14 06:13	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	106	%.	79-116	1		12/21/14 06:13	1868-53-7	
Toluene-d8 (S)	86	%.	81-110	1		12/21/14 06:13	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	80-114	1		12/21/14 06:13	460-00-4	

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

QC Batch: MSV/72084 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 50109029006, 50109029017

METHOD BLANK: 1212547 — Matrix: Water
Associated Lab Samples: 50109029006, 50109029017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	5.0	12/21/14 05:24	
Ethylbenzene	ug/L	ND	5.0	12/21/14 05:24	
Toluene	ug/L	ND	5.0	12/21/14 05:24	
Xylene (Total)	ug/L	ND	10.0	12/21/14 05:24	
4-Bromofluorobenzene (S)	%.	103	80-114	12/21/14 05:24	
Dibromofluoromethane (S)	%.	106	79-116	12/21/14 05:24	
Toluene-d8 (S)	%.	85	81-110	12/21/14 05:24	

LABORATORY CONTROL SAMPLE: 1212548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	43.0	86	74-122	
Ethylbenzene	ug/L	50	48.3	97	66-133	
Toluene	ug/L	50	40.2	80	72-122	
Xylene (Total)	ug/L	150	149	100	70-124	
4-Bromofluorobenzene (S)	%.			111	80-114	
Dibromofluoromethane (S)	%.			105	79-116	
Toluene-d8 (S)	%.			87	81-110	

MATRIX SPIKE SAMPLE: 1212550

Parameter	Units	50109029017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	ND	50	36.5	73	62-129	
Ethylbenzene	ug/L	ND	50	41.8	82	28-153	
Toluene	ug/L	ND	50	35.6	67	50-132	
Xylene (Total)	ug/L	ND	150	129	86	29-145	
4-Bromofluorobenzene (S)	%.				110	80-114	
Dibromofluoromethane (S)	%.				104	79-116	
Toluene-d8 (S)	%.				87	81-110	

SAMPLE DUPLICATE: 1212549

Parameter	Units	50109029006 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	474	511	8	20	
Ethylbenzene	ug/L	4.9J	4.9J		20	
Toluene	ug/L	5.4	5.4	1	20	
Xylene (Total)	ug/L	ND	ND		20	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

SAMPLE DUPLICATE: 1212549

Parameter	Units	50109029006 Result	Dup Result	RPD	Max RPD	Qualifiers
4-Bromofluorobenzene (S)	%.	108	107	0		
Dibromofluoromethane (S)	%.	100	97	3		
Toluene-d8 (S)	%.	87	87	0		

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

QC Batch: MSV/72085 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 50109029001, 50109029002, 50109029003, 50109029004, 50109029014, 50109029015, 50109029020

METHOD BLANK: 1212551 Matrix: Water
Associated Lab Samples: 50109029001, 50109029002, 50109029003, 50109029004, 50109029014, 50109029015, 50109029020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	5.0	12/21/14 05:40	
Ethylbenzene	ug/L	ND	5.0	12/21/14 05:40	
Toluene	ug/L	ND	5.0	12/21/14 05:40	
Xylene (Total)	ug/L	ND	10.0	12/21/14 05:40	
4-Bromofluorobenzene (S)	%.	103	80-114	12/21/14 05:40	
Dibromofluoromethane (S)	%.	107	79-116	12/21/14 05:40	
Toluene-d8 (S)	%.	87	81-110	12/21/14 05:40	

LABORATORY CONTROL SAMPLE: 1212552

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	41.5	83	74-122	
Ethylbenzene	ug/L	50	48.4	97	66-133	
Toluene	ug/L	50	40.1	80	72-122	
Xylene (Total)	ug/L	150	149	99	70-124	
4-Bromofluorobenzene (S)	%.			110	80-114	
Dibromofluoromethane (S)	%.			104	79-116	
Toluene-d8 (S)	%.			88	81-110	

MATRIX SPIKE SAMPLE: 1212554

Parameter	Units	50109029015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	850	50	914	129	62-129	
Ethylbenzene	ug/L	63.8	50	110	93	28-153	
Toluene	ug/L	7.9	50	45.2	75	50-132	
Xylene (Total)	ug/L	153	150	298	97	29-145	
4-Bromofluorobenzene (S)	%.				109	80-114	
Dibromofluoromethane (S)	%.				103	79-116	
Toluene-d8 (S)	%.				87	81-110	

SAMPLE DUPLICATE: 1212553

Parameter	Units	50109029014 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	ug/L	32.9	32.0	3	20	
Ethylbenzene	ug/L	ND	ND		20	
Toluene	ug/L	ND	ND		20	
Xylene (Total)	ug/L	ND	ND		20	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

SAMPLE DUPLICATE: 1212553

Parameter	Units	50109029014 Result	Dup Result	RPD	Max RPD	Qualifiers
4-Bromofluorobenzene (S)	%.	106	106	1		
Dibromofluoromethane (S)	%.	99	98	0		
Toluene-d8 (S)	%.	86	86	1		

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

QC Batch: MSV/72149 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 50109029005, 50109029007, 50109029008, 50109029009, 50109029010, 50109029011, 50109029012, 50109029013, 50109029016

METHOD BLANK: 1213253 — Matrix: Water
Associated Lab Samples: 50109029005, 50109029007, 50109029008, 50109029009, 50109029010, 50109029011, 50109029012, 50109029013, 50109029016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	5.0	12/22/14 20:35	
Ethylbenzene	ug/L	ND	5.0	12/22/14 20:35	
Toluene	ug/L	ND	5.0	12/22/14 20:35	
Xylene (Total)	ug/L	ND	10.0	12/22/14 20:35	
4-Bromofluorobenzene (S)	%.	96	80-114	12/22/14 20:35	
Dibromofluoromethane (S)	%.	102	79-116	12/22/14 20:35	
Toluene-d8 (S)	%.	99	81-110	12/22/14 20:35	

LABORATORY CONTROL SAMPLE: 1213254

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	49.4	99	74-122	
Ethylbenzene	ug/L	50	52.9	106	66-133	
Toluene	ug/L	50	50.0	100	72-122	
Xylene (Total)	ug/L	150	163	109	70-124	
4-Bromofluorobenzene (S)	%.			102	80-114	
Dibromofluoromethane (S)	%.			98	79-116	
Toluene-d8 (S)	%.			99	81-110	

MATRIX SPIKE SAMPLE: 1213255

Parameter	Units	50109029010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	4100	250	3880	-88	62-129	M0
Ethylbenzene	ug/L	ND	250	270	105	28-153	
Toluene	ug/L	ND	250	255	97	50-132	
Xylene (Total)	ug/L	ND	750	823	110	29-145	
4-Bromofluorobenzene (S)	%.				102	80-114	
Dibromofluoromethane (S)	%.				98	79-116	
Toluene-d8 (S)	%.				99	81-110	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

QC Batch: MSV/72150
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 50109029019

METHOD BLANK: 1213256
Matrix: Water
Associated Lab Samples: 50109029019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	5.0	12/22/14 20:19	
Ethylbenzene	ug/L	ND	5.0	12/22/14 20:19	
Toluene	ug/L	ND	5.0	12/22/14 20:19	
Xylene (Total)	ug/L	ND	10.0	12/22/14 20:19	
4-Bromofluorobenzene (S)	%.	96	80-114	12/22/14 20:19	
Dibromofluoromethane (S)	%.	99	79-116	12/22/14 20:19	
Toluene-d8 (S)	%.	98	81-110	12/22/14 20:19	

LABORATORY CONTROL SAMPLE: 1213257

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	49.9	100	74-122	
Ethylbenzene	ug/L	50	51.5	103	66-133	
Toluene	ug/L	50	49.3	99	72-122	
Xylene (Total)	ug/L	150	160	107	70-124	
4-Bromofluorobenzene (S)	%.			102	80-114	
Dibromofluoromethane (S)	%.			101	79-116	
Toluene-d8 (S)	%.			99	81-110	

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

QC Batch: MSV/72189
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 50109029018

METHOD BLANK: 1214012
Matrix: Water
Associated Lab Samples: 50109029018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	5.0	12/23/14 12:57	
Ethylbenzene	ug/L	ND	5.0	12/23/14 12:57	
Toluene	ug/L	ND	5.0	12/23/14 12:57	
Xylene (Total)	ug/L	ND	10.0	12/23/14 12:57	
4-Bromofluorobenzene (S)	%.	96	80-114	12/23/14 12:57	
Dibromofluoromethane (S)	%.	100	79-116	12/23/14 12:57	
Toluene-d8 (S)	%.	97	81-110	12/23/14 12:57	

LABORATORY CONTROL SAMPLE: 1214013

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	48.1	96	74-122	
Ethylbenzene	ug/L	50	50.2	100	66-133	
Toluene	ug/L	50	47.7	95	72-122	
Xylene (Total)	ug/L	150	157	105	70-124	
4-Bromofluorobenzene (S)	%.			101	80-114	
Dibromofluoromethane (S)	%.			101	79-116	
Toluene-d8 (S)	%.			97	81-110	

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

QC Batch: OEXT/37766
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by SIM LVE
Analysis Description: 8270 Water PAH LV by SIM MSSV
Associated Lab Samples: 50109029001

METHOD BLANK: 1208116
Matrix: Water
Associated Lab Samples: 50109029001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	1.0	12/16/14 22:47	
Acenaphthylene	ug/L	ND	1.0	12/16/14 22:47	
Anthracene	ug/L	ND	0.10	12/16/14 22:47	
Benzo(a)anthracene	ug/L	ND	0.10	12/16/14 22:47	
Benzo(a)pyrene	ug/L	ND	0.10	12/16/14 22:47	
Benzo(b)fluoranthene	ug/L	ND	0.10	12/16/14 22:47	
Benzo(g,h,i)perylene	ug/L	ND	0.10	12/16/14 22:47	
Benzo(k)fluoranthene	ug/L	ND	0.10	12/16/14 22:47	
Chrysene	ug/L	ND	0.50	12/16/14 22:47	
Dibenz(a,h)anthracene	ug/L	ND	0.10	12/16/14 22:47	
Fluoranthene	ug/L	ND	1.0	12/16/14 22:47	
Fluorene	ug/L	ND	1.0	12/16/14 22:47	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	12/16/14 22:47	
Naphthalene	ug/L	ND	1.0	12/16/14 22:47	
Phenanthrene	ug/L	ND	1.0	12/16/14 22:47	
Pyrene	ug/L	ND	1.0	12/16/14 22:47	
2-Fluorobiphenyl (S)	%.	56	21-114	12/16/14 22:47	
p-Terphenyl-d14 (S)	%.	91	25-131	12/16/14 22:47	

LABORATORY CONTROL SAMPLE: 1208117

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	10	8.0	80	39-117	
Acenaphthylene	ug/L	10	8.1	81	40-120	
Anthracene	ug/L	10	9.3	93	48-126	
Benzo(a)anthracene	ug/L	10	9.2	92	51-134	
Benzo(a)pyrene	ug/L	10	7.4	74	48-141	
Benzo(b)fluoranthene	ug/L	10	6.4	64	49-139	
Benzo(g,h,i)perylene	ug/L	10	6.4	64	44-134	
Benzo(k)fluoranthene	ug/L	10	7.2	72	48-140	
Chrysene	ug/L	10	10.2	102	53-136	
Dibenz(a,h)anthracene	ug/L	10	5.8	58	44-132	
Fluoranthene	ug/L	10	9.6	96	50-135	
Fluorene	ug/L	10	8.8	88	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	6.0	60	45-132	
Naphthalene	ug/L	10	7.1	71	30-112	
Phenanthrene	ug/L	10	8.8	88	47-128	
Pyrene	ug/L	10	9.6	96	50-134	
2-Fluorobiphenyl (S)	%.			59	21-114	
p-Terphenyl-d14 (S)	%.			85	25-131	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1208118 1208119

Parameter	Units	50108888009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	ND	10	10	7.8	7.5	78	75	28-116	3	20	
Acenaphthylene	ug/L	ND	10	10	8.1	7.7	81	77	34-115	4	20	
Anthracene	ug/L	ND	10	10	8.5	7.8	85	78	39-121	9	20	
Benzo(a)anthracene	ug/L	ND	10	10	5.6	5.3	56	53	31-127	6	20	
Benzo(a)pyrene	ug/L	ND	10	10	2.7	2.5	27	25	10-121	8	20	
Benzo(b)fluoranthene	ug/L	ND	10	10	2.3	1.9	23	19	10-119	20	20	
Benzo(g,h,i)perylene	ug/L	ND	10	10	2.2	1.9	22	19	10-108	14	20	
Benzo(k)fluoranthene	ug/L	ND	10	10	2.6	2.5	26	25	10-118	1	20	
Chrysene	ug/L	ND	10	10	6.0	5.8	60	58	32-127	3	20	
Dibenz(a,h)anthracene	ug/L	ND	10	10	1.8	1.5	18	15	10-104	16	20	
Fluoranthene	ug/L	ND	10	10	8.5	8.0	85	80	38-131	5	20	
Fluorene	ug/L	ND	10	10	8.6	8.1	86	81	33-121	6	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10	10	1.8	1.6	18	16	10-108	15	20	
Naphthalene	ug/L	ND	10	10	7.3	7.6	72	75	16-119	4	20	
Phenanthrene	ug/L	ND	10	10	8.2	7.9	82	79	32-130	4	20	
Pyrene	ug/L	ND	10	10	8.8	8.3	88	83	39-131	5	20	
2-Fluorobiphenyl (S)	%.						57	60	21-114			
p-Terphenyl-d14 (S)	%.						74	64	25-131			

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

QC Batch: OEXT/37778 — Analysis Method: EPA 8270 by SIM LVE
QC Batch Method: EPA 3510 — Analysis Description: 8270 Water PAH LV by SIM MSSV
Associated Lab Samples: 50109029002, 50109029003, 50109029004, 50109029005, 50109029006, 50109029007, 50109029008, 50109029009, 50109029012, 50109029013, 50109029014, 50109029015, 50109029016, 50109029017, 50109029018, 50109029019

METHOD BLANK: 1208810 — Matrix: Water
Associated Lab Samples: 50109029002, 50109029003, 50109029004, 50109029005, 50109029006, 50109029007, 50109029008, 50109029009, 50109029012, 50109029013, 50109029014, 50109029015, 50109029016, 50109029017, 50109029018, 50109029019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	1.0	12/18/14 22:14	
Acenaphthylene	ug/L	ND	1.0	12/18/14 22:14	
Anthracene	ug/L	ND	0.10	12/18/14 22:14	
Benzo(a)anthracene	ug/L	ND	0.10	12/18/14 22:14	
Benzo(a)pyrene	ug/L	ND	0.10	12/18/14 22:14	
Benzo(b)fluoranthene	ug/L	ND	0.10	12/18/14 22:14	
Benzo(g,h,i)perylene	ug/L	ND	0.10	12/18/14 22:14	
Benzo(k)fluoranthene	ug/L	ND	0.10	12/18/14 22:14	
Chrysene	ug/L	ND	0.50	12/18/14 22:14	
Dibenz(a,h)anthracene	ug/L	ND	0.10	12/18/14 22:14	
Fluoranthene	ug/L	ND	1.0	12/18/14 22:14	
Fluorene	ug/L	ND	1.0	12/18/14 22:14	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	12/18/14 22:14	
Naphthalene	ug/L	ND	1.0	12/18/14 22:14	
Phenanthrene	ug/L	ND	1.0	12/18/14 22:14	
Pyrene	ug/L	ND	1.0	12/18/14 22:14	
2-Fluorobiphenyl (S)	%.	66	21-114	12/18/14 22:14	
p-Terphenyl-d14 (S)	%.	100	25-131	12/18/14 22:14	

LABORATORY CONTROL SAMPLE: 1208811

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	10	6.8	68	39-117	
Acenaphthylene	ug/L	10	7.0	70	40-120	
Anthracene	ug/L	10	8.0	80	48-126	
Benzo(a)anthracene	ug/L	10	8.6	86	51-134	
Benzo(a)pyrene	ug/L	10	7.0	70	48-141	
Benzo(b)fluoranthene	ug/L	10	6.0	60	49-139	
Benzo(g,h,i)perylene	ug/L	10	6.2	62	44-134	
Benzo(k)fluoranthene	ug/L	10	7.0	70	48-140	
Chrysene	ug/L	10	9.4	94	53-136	
Dibenz(a,h)anthracene	ug/L	10	5.7	57	44-132	
Fluoranthene	ug/L	10	8.3	83	50-135	
Fluorene	ug/L	10	7.5	75	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	5.7	57	45-132	
Naphthalene	ug/L	10	6.6	66	30-112	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

LABORATORY CONTROL SAMPLE: 1208811

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	10	7.4	74	47-128	
Pyrene	ug/L	10	8.5	85	50-134	
2-Fluorobiphenyl (S)	%.			56	21-114	
p-Terphenyl-d14 (S)	%.			79	25-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1208821 1208822

Parameter	Units	50109143003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	3.8	10	10	9.5	10.4	57	66	28-116	9	20	
Acenaphthylene	ug/L	ND	10	10	7.0	7.6	70	76	34-115	8	20	
Anthracene	ug/L	0.69	10	10	6.5	7.0	58	63	39-121	7	20	
Benzo(a)anthracene	ug/L	ND	10	10	4.4	5.5	44	55	31-127	23	20	R1
Benzo(a)pyrene	ug/L	ND	10	10	2.6	3.6	26	36	10-121	32	20	R1
Benzo(b)fluoranthene	ug/L	ND	10	10	2.3	3.3	23	33	10-119	36	20	R1
Benzo(g,h,i)perylene	ug/L	ND	10	10	2.2	3.1	22	31	10-108	36	20	R1
Benzo(k)fluoranthene	ug/L	ND	10	10	2.5	3.6	25	36	10-118	36	20	R1
Chrysene	ug/L	ND	10	10	4.0	5.0	39	49	32-127	23	20	R1
Dibenz(a,h)anthracene	ug/L	ND	10	10	2.0	3.1	20	31	10-104	42	20	R1
Fluoranthene	ug/L	ND	10	10	6.1	7.0	61	70	38-131	13	20	
Fluorene	ug/L	5.5	10	10	11.5	12.0	60	65	33-121	4	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10	10	2.0	3.0	20	30	10-108	38	20	R1
Naphthalene	ug/L	ND	10	10	8.1	8.6	76	81	16-119	6	20	
Phenanthrene	ug/L	4.0	10	10	9.8	8.9	58	49	32-130	10	20	
Pyrene	ug/L	1.7	10	10	7.0	7.3	53	56	39-131	4	20	
2-Fluorobiphenyl (S)	%.						41	50	21-114			
p-Terphenyl-d14 (S)	%.						56	59	25-131			

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.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

QC Batch: OEXT/37781
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by SIM LVE
Analysis Description: 8270 Water PAH LV by SIM MSSV
Associated Lab Samples: 50109029010, 50109029011

METHOD BLANK: 1209019
Matrix: Water
Associated Lab Samples: 50109029010, 50109029011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	1.0	12/18/14 15:45	
Acenaphthylene	ug/L	ND	1.0	12/18/14 15:45	
Anthracene	ug/L	ND	0.10	12/18/14 15:45	
Benzo(a)anthracene	ug/L	ND	0.10	12/18/14 15:45	
Benzo(a)pyrene	ug/L	ND	0.10	12/18/14 15:45	
Benzo(b)fluoranthene	ug/L	ND	0.10	12/18/14 15:45	
Benzo(g,h,i)perylene	ug/L	ND	0.10	12/18/14 15:45	
Benzo(k)fluoranthene	ug/L	ND	0.10	12/18/14 15:45	
Chrysene	ug/L	ND	0.50	12/18/14 15:45	
Dibenz(a,h)anthracene	ug/L	ND	0.10	12/18/14 15:45	
Fluoranthene	ug/L	ND	1.0	12/18/14 15:45	
Fluorene	ug/L	ND	1.0	12/18/14 15:45	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	12/18/14 15:45	
Naphthalene	ug/L	ND	1.0	12/18/14 15:45	
Phenanthrene	ug/L	ND	1.0	12/18/14 15:45	
Pyrene	ug/L	ND	1.0	12/18/14 15:45	
2-Fluorobiphenyl (S)	%.	57	21-114	12/18/14 15:45	
p-Terphenyl-d14 (S)	%.	83	25-131	12/18/14 15:45	

LABORATORY CONTROL SAMPLE: 1209020

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	10	7.9	79	39-117	
Acenaphthylene	ug/L	10	8.0	80	40-120	
Anthracene	ug/L	10	8.7	87	48-126	
Benzo(a)anthracene	ug/L	10	9.3	93	51-134	
Benzo(a)pyrene	ug/L	10	7.4	74	48-141	
Benzo(b)fluoranthene	ug/L	10	6.8	68	49-139	
Benzo(g,h,i)perylene	ug/L	10	6.4	64	44-134	
Benzo(k)fluoranthene	ug/L	10	7.2	72	48-140	
Chrysene	ug/L	10	10.0	100	53-136	
Dibenz(a,h)anthracene	ug/L	10	6.1	61	44-132	
Fluoranthene	ug/L	10	9.1	91	50-135	
Fluorene	ug/L	10	8.7	87	44-124	
Indeno(1,2,3-cd)pyrene	ug/L	10	6.2	62	45-132	
Naphthalene	ug/L	10	7.5	75	30-112	
Phenanthrene	ug/L	10	8.1	81	47-128	
Pyrene	ug/L	10	9.3	93	50-134	
2-Fluorobiphenyl (S)	%.			58	21-114	
p-Terphenyl-d14 (S)	%.			83	25-131	

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

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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 (8270 listed analyte) decomposes to Azobenzene.

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

D4	Sample was diluted due to the presence of high levels of target analytes.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
R1	RPD value was outside control limits.

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Indianapolis Terminal #215
Pace Project No.: 50109029

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50109029001	**BPIT-DHW14-121114**	EPA 3510	OEXT/37766	EPA 8270 by SIM LVE	MSSV/16803
50109029002	**BPIT-DHW23-121114**	EPA 3510	OEXT/37778	EPA 8270 by SIM LVE	MSSV/16821
50109029003	**BPIT-DHW116-121114**	EPA 3510	OEXT/37778	EPA 8270 by SIM LVE	MSSV/16821
50109029004	**BPIT-DHW19-121114**	EPA 3510	OEXT/37778	EPA 8270 by SIM LVE	MSSV/16821
50109029005	**BPIT-MW14-121114**	EPA 3510	OEXT/37778	EPA 8270 by SIM LVE	MSSV/16821
50109029006	**BPIT-DHW17-121114**	EPA 3510	OEXT/37778	EPA 8270 by SIM LVE	MSSV/16821
50109029007	**BPIT-DUP05-121114**	EPA 3510	OEXT/37778	EPA 8270 by SIM LVE	MSSV/16821
50109029008	**BPIT-DUP06-121114**	EPA 3510	OEXT/37778	EPA 8270 by SIM LVE	MSSV/16821
50109029009	**BPIT-DUP07-121114**	EPA 3510	OEXT/37778	EPA 8270 by SIM LVE	MSSV/16821
50109029010	**BPIT-DHW28-121214**	EPA 3510	OEXT/37781	EPA 8270 by SIM LVE	MSSV/16820
50109029011	**BPIT-DHW113-121214**	EPA 3510	OEXT/37781	EPA 8270 by SIM LVE	MSSV/16820
50109029012	**BPIT-EB15-121114**	EPA 3510	OEXT/37778	EPA 8270 by SIM LVE	MSSV/16821
50109029013	**BPIT-EB16-121114**	EPA 3510	OEXT/37778	EPA 8270 by SIM LVE	MSSV/16821
50109029014	**BPIT-DHW114-121114**	EPA 3510	OEXT/37778	EPA 8270 by SIM LVE	MSSV/16821
50109029015	**BPIT-DHW69-121114**	EPA 3510	OEXT/37778	EPA 8270 by SIM LVE	MSSV/16821
50109029016	**BPIT-OW30-121114**	EPA 3510	OEXT/37778	EPA 8270 by SIM LVE	MSSV/16821
50109029017	**BPIT-DHW72-121114**	EPA 3510	OEXT/37778	EPA 8270 by SIM LVE	MSSV/16821
50109029018	**BPIT-DHW70-121114**	EPA 3510	OEXT/37778	EPA 8270 by SIM LVE	MSSV/16821
50109029019	**BPIT-DHW71-121114**	EPA 3510	OEXT/37778	EPA 8270 by SIM LVE	MSSV/16821
50109029001	**BPIT-DHW14-121114**	EPA 8260	MSV/72085		
50109029002	**BPIT-DHW23-121114**	EPA 8260	MSV/72085		
50109029003	**BPIT-DHW116-121114**	EPA 8260	MSV/72085		
50109029004	**BPIT-DHW19-121114**	EPA 8260	MSV/72085		
50109029005	**BPIT-MW14-121114**	EPA 8260	MSV/72149		
50109029006	**BPIT-DHW17-121114**	EPA 8260	MSV/72084		
50109029007	**BPIT-DUP05-121114**	EPA 8260	MSV/72149		
50109029008	**BPIT-DUP06-121114**	EPA 8260	MSV/72149		
50109029009	**BPIT-DUP07-121114**	EPA 8260	MSV/72149		
50109029010	**BPIT-DHW28-121214**	EPA 8260	MSV/72149		
50109029011	**BPIT-DHW113-121214**	EPA 8260	MSV/72149		
50109029012	**BPIT-EB15-121114**	EPA 8260	MSV/72149		
50109029013	**BPIT-EB16-121114**	EPA 8260	MSV/72149		
50109029014	**BPIT-DHW114-121114**	EPA 8260	MSV/72085		
50109029015	**BPIT-DHW69-121114**	EPA 8260	MSV/72085		
50109029016	**BPIT-OW30-121114**	EPA 8260	MSV/72149		
50109029017	**BPIT-DHW72-121114**	EPA 8260	MSV/72084		
50109029018	**BPIT-DHW70-121114**	EPA 8260	MSV/72189		
50109029019	**BPIT-DHW71-121114**	EPA 8260	MSV/72150		
50109029020	**BPIT-TRIPBLANK6-121114**	EPA 8260	MSV/72085		

bp rm

Laboratory Management Program LaMP Chain of Custody Record

TMS

BP Site Node Path: BP > USA > IN > Marion > Indianapolis Termina Req Due Date (mm/dd/yy): _____ Rush TAT: Yes ___ No X

BP Facility No: # 215 Lab Work Order Number: _____

Lab Name:	Pace Analytical	Facility Address:	2500 North Tibbs Ave.	Consultant/Contractor:	Stantec Consulting Corp.
Lab Address:	7726 Moller Road, Indianapolis, IN 46268	City, State, ZIP Code:	Indianapolis, IN 46222	Consultant/Contractor Project No:	182612301.601.681
Lab PM:	Tina Sayer	Lead Regulatory Agency:	EPA	Address:	8770 Guion Rd., Suite B, Indianapolis, IN 46268
Lab Phone:	317-875-5894	California Global ID No.:		Consultant/Contractor PM:	Kyle Amberger
Lab Shipping Accnt:		Enfos Proposal No:	007VX-0017	Phone:	317-876-8375 x 240 Email: kyle.amberger@stantec.com
Lab Bottle Order No:		Accounting Mode:	Provision X OOC-BU ___ OOC-RM ___	Email EDD To:	Kyle Amberger and to lab.enfosdoc@bp.com
Other Info:		Stage:	OMM 60 Activity: Project Spend 81	Invoice To:	BP X Contractor ___

BP Project Manager (PM): Bruno Mancini
BP PM Phone: 216-271-8852
BP PM Email: bruno.mancini@bp.com

Report Type & QC Level: Standard X; Full Data Package ___

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	BTEX by 8260	PAHs by 8270SIM	Comments (5D109029)
	BPIT-DHW14-121114	12-11-14	8:58		X		Y	5	2			3		X	X	001
	BPIT-DHW23-121114	12-11-14	10:15		X		Y	5	2			3		X	X	002
	BPIT-DHW116-121114	12-11-14	11:32		X		Y	5	2			3		X	X	003
	BPIT-DHW19-121114	12-11-14	13:13		X		Y	5	2			3		X	X	004
	BPIT-MW14-121114	12-11-14	14:22		X		Y	5	2			3		X	X	005
	BPIT-DHW17-121114	12-11-14	15:33		X		Y	5	2			3		X	X	006
	BPIT-DUP05-121114	12-11-14	—		X		Y	5	2			3		X	X	007
	BPIT-DUP06-121114	12-11-14	—		X		Y	5	2			3		X	X	008
	BPIT-DUP07-121114	12-11-14	—		X		Y	5	2			3		X	X	009
	BPIT-DHW28-121214	12-12-14	10:10		X		Y	5	2			3		X	X	010

Requested Analyses: BTEX by 8260; PAHs by 8270SIM

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Andrew Hardwick						
Sampler's Company: STANTEC	[signature] / STANTEC	12/12/14	1515	[signature] / PACE	12/12/14	15:15
Shipment Method: Hand Deliver Ship Date: 12/12/14						
Shipment Tracking No: N/A						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No (No) Temp Blank: Yes / No (No) Cooler Temp on Receipt: 2.2 °F/C Trip Blank: Yes / No (No) MS/MSD Sample Submitted: Yes / No (No)

WI Client

bp rm

Laboratory Management Program LaMP Chain of Custody Record

BP Site Node Path: BP > USA > IN > Marion > Indianapolis Termina

Req Due Date (mm/dd/yy): _____ Rush TAT: Yes ___ No X

BP Facility No: # 215

Lab Work Order Number: _____

Lab Name:	Pace Analytical	Facility Address:	2500 North Tibbs Ave.	Consultant/Contractor:	Stantec Consulting Corp.
Lab Address:	7726 Moller Road, Indianapolis, IN 46268	City, State, ZIP Code:	Indianapolis, IN 46222	Consultant/Contractor Project No:	182612301.601.681
Lab PM:	Tina Sayer	Lead Regulatory Agency:	EPA	Address:	8770 Guion Rd., Suite B, Indianapolis, IN 46268
Lab Phone:	317-875-5894	California Global ID No.:		Consultant/Contractor PM:	Kyle Amberger
Lab Shipping Accnt:		Enfos Proposal No:	007VX-0017	Phone: 317-876-8375 x 240	Email: kyle.amberger@stantec.com
Lab Bottle Order No:		Accounting Mode:	Provision X OOC-BU ___ OOC-RM ___	Email EDD To: Kyle Amberger	and to lab.enfosdoc@bp.com
Other Info:		Stage: OMM 60	Activity: Project Spend 81	Invoice To:	BP X Contractor ___

BP Project Manager (PM): Bruno Mancini

BP PM Phone: 216-271-8852

BP PM Email: bruno.mancini@bp.com

Report Type & QC Level: Standard X; Full Data Package ___

50109029

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol		BTEX by 8260	PAHs by 8270SIM								Comments
	BPIT-DHW113-121214	12-12-14	9:48		X		Y	5	2			3			X	X								011
	BPIT-EB15-121114	12-11-14	16:30		X		N	5	2			3			X	X								012
	BPIT-EB16-121114	12-11-14	16:45		X		N	5	2			3			X	X								013
	BPIT-DHW114-121114	12-11-14	16:04		X		Y	5	2			3			X	X								014
	BPIT-DHW69-121114	12-11-14	1529		X		Y	5	2			3			X	X								015
	BPIT-DW30-121114	12-11-14	1127		X		Y	5	2			3			X	X								016
	BPIT-DHW72-121114	12-11-14	1028		X		Y	5	2			3			X	X								017
	BPIT-DHW70-121114	12-11-14	1346		X		Y	5	2			3			X	X								018
	BPIT-DHW71-121114	12-11-14	1241		X		Y	5	2			3			X	X								019
	BPIT-TRIPBLANK6-121114	12-11-14	—																					020

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Andrew Hardwick						
Sampler's Company: STANTEC	[signature] / STANTEC	12/12/14	1515	[signature] / PACE	12/12/14	1545
Shipment Method: Hand Deliver Ship Date: 12/12/14						
Shipment Tracking No: NA						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No (No) | Temp Blank: Yes / No (No) | Cooler Temp on Receipt: 2.2 °F/C | Trip Blank: Yes / No (No) | MS/MSD Sample Submitted: Yes / No (No)

VT / Client

Sample Condition Upon Receipt

Pace Analytical

Client Name: Stantec Project # 50109029

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

Tracking #: _____

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

Date/Time 5035A kits placed in freezer _____

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☑ Other Foam

Thermometer 1 2 3 4 5 6 A B C D E F **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 2.2 **Ice Visible in Sample Containers:** ☐ yes ☑ no
(Corrected, if applicable)

Temp should be above freezing to 6°C

Date and Initials of person examining contents: H.S. 12-12-14

		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 & Signature on COC:	☑Yes ☐No ☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	5.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	6.
Containers Intact:	☑Yes ☐No ☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes ☐No ☐N/A	8.
All containers needing acid/base pres. have been checked? **exceptions: VOA, coliform, TOC, O&G** All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.	☐Yes ☐No ☑N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	10.
Trip Blank Present:	☑Yes ☐No ☐N/A	11.
Trip Blank Custody Seals Present	☐Yes ☑No ☐N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	12.
Sufficient Volume:	☑Yes ☐No ☐N/A	13.
Correct Containers Used:	☑Yes ☐No ☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] **Date:** 12/13/14

Form F-IN-Q-290-rev.06, 05Aug2014

Sample Container Count

CLIENT: Stantec

COC PAGE 1 of 2

COC ID#

Project # 50109029

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST		pH <2	pH>12	Comments
1	3			2																	
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count

CLIENT: Stantec

COC PAGE 2 of 2

COC ID#

Project # 30109029

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST		pH <2	pH>12	Comments
1	3			2																	
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					Trip Blank
11																					
12																					

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Appendix E Groundwater Data Validation

Stantec Analytical Validation Checklist — Report No. 011515-EC-02

Project Name: BP – Indy Terminal # 215	Project Number: 182612296
Stantec Validator: Elizabeth Crowley	Laboratory: Pace Analytical, Indianapolis, IL
Date Validated: 01/14/15	Laboratory Project Number: 50108189
Sample Start-End Date: 12/02-12/03/14	Laboratory Report Date: 12/16/14

Parameters Validated: Volatile Organic Compounds (VOC) by 8260 and Poly Aromatic Hydrocarbons by 8270 SIM

Associated Chain(s) of Custody – no numbers/8 aqueous field samples
Samples Validated – BPIT-RW03A-120314 and BPIT-DHW87-120314

VALIDATION CRITERIA CHECK

Validation Flags Applicable to this Review:

U The analyte was analyzed for, but not detected above the reported sample quantitation limit.
J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
B The analyte was detected in the method, field and/or trip blank.

	Yes	No
1. Were all the analyses requested for the samples submitted with each COC completed by the lab?	X	
Comments:		
2. Did the laboratory identify any non-conformances related to the analytical result?		X
Comments:		
3. Were sample Chain-of-Custody forms complete?	X	
Comments:		
4. Were samples received in good condition and at the appropriate temperature?	X	
Comments:		
5. Were sample holding times met?	X	
Comments:		
6. Were correct concentration units reported?	X	
Comments:		

7. Were detections found in laboratory blank samples?		Yes	No X
Comments:			
8. Were detections found in field blank, equipment rinse blank, and/or trip blank samples?	NA	Yes	No
Comments: No blanks sample submitted.			
9. Were instrument calibrations within method criteria?	NA	Yes	No
Comments: Level II data package – no data provided.			
10. Were surrogate recoveries within laboratory control limits?		Yes X	No
Comments:			
11. Were laboratory control sample recoveries within laboratory control limits?		Yes X	No
Comments:			
12. Were matrix spike recoveries within laboratory control limits?		Yes X	No
Comments:			
13. Were RPDs within control limits?		Yes	No X
Comments: 8270 batch OEXT/37646 – Matrix spike RPD above limits for Benzo(a)Pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)Perylene, Benzo(k)Fluoranthene, Dibenz(a,h)Anthracene and Indeno(1,2,3-cd)pyrene. Sample site specific. Associated validated sample results non-detect. No qualifying action required.			
14. Were dilutions required on any samples?		Yes	No X
Comments:			
15. Were Tentatively Identified Compounds (TIC) present?		Yes X	No
Comments: Sample results below the reporting limit do not possess the degree of qualitative or quantitative confidence required. The value may be a false positive and is an estimated value and is flagged “NJ”. Reason Code – SQL			
16. Were organic system performance criteria met?	NA	Yes	No
Comments: Level II data package – no data provided.			
17. Were GC/MS internal standards within method criteria?	NA	Yes	No
Comments: Level II data package – no data provided.			

18. Were inorganic system performance criteria met?	NA	Yes	No
Comments: No inorganic samples submitted.			
19. Were blind field duplicates collected? If so, discuss the precision (RPD) of the results. Duplicate Sample No. Primary Sample No.		Yes	No X
Comments:			
20. Were at least 10 percent of the hard copy results compared to the Electronic Data Deliverable Results?	Yes X	No	Initials EAC
Comments:			
21. Other: Validation Limit		Yes X	No
Comments: Ten percent or minimum one sample validated. Validation criteria, flags and level of confidence apply to validated sample(s) only.			

PRECISION, ACCURACY, METHOD COMPLIANCE AND COMPLETENESS ASSESSMENT

Precision:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Accuracy:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Method Compliance:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Completeness:	Acceptable X	Unacceptable	Initials EAC
Comments:			

Stantec Analytical Validation Checklist — Report No. 011515-EC-03

Project Name: BP – Indy Terminal # 215	Project Number: 182612296
Stantec Validator: Elizabeth Crowley	Laboratory: Pace Analytical, Indianapolis, IL
Date Validated: 01/14/15	Laboratory Project Number: 50108191
Sample Start-End Date: 12/02-12/03/14	Laboratory Report Date: 12/22/14

Parameters Validated: Volatile Organic Compounds (VOC) by 8260 and Poly Aromatic Hydrocarbons by 8270 SIM

Associated Chain(s) of Custody – no numbers/9 aqueous field samples, 4 Equipment Blanks and 1 Trip Blank.

Samples Validated – BPIT-DHW115-120214 and BPIT-DHW64-120214

VALIDATION CRITERIA CHECK

Validation Flags Applicable to this Review:

U The analyte was analyzed for, but not detected above the reported sample quantitation limit.
J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
B The analyte was detected in the method, field and/or trip blank.

	Yes	No
1. Were all the analyses requested for the samples submitted with each COC completed by the lab?	X	
Comments:		
2. Did the laboratory identify any non-conformances related to the analytical result?		X
Comments:		
3. Were sample Chain-of-Custody forms complete?	X	
Comments:		
4. Were samples received in good condition and at the appropriate temperature?	X	
Comments:		
5. Were sample holding times met?	X	
Comments:		
6. Were correct concentration units reported?	X	
Comments:		

7. Were detections found in laboratory blank samples?		Yes	No X
Comments:			
8. Were detections found in field blank, equipment rinse blank, and/or trip blank samples?		Yes	No X
Comments:			
9. Were instrument calibrations within method criteria?	NA	Yes	No
Comments: Level II data package – no data provided.			
10. Were surrogate recoveries within laboratory control limits?		Yes X	No
Comments:			
11. Were laboratory control sample recoveries within laboratory control limits?		Yes X	No
Comments:			
12. Were matrix spike recoveries within laboratory control limits?		Yes X	No
Comments:			
13. Were RPDs within control limits?		Yes X	No
Comments:			
14. Were dilutions required on any samples?		Yes X	No
Comments: No qualifying action taken.			
15. Were Tentatively Identified Compounds (TIC) present?		Yes X	No
Comments: Sample results below the reporting limit do not possess the degree of qualitative or quantitative confidence required. The value may be a false positive and is an estimated value and is flagged "NJ". Reason Code – SQL			
16. Were organic system performance criteria met?	NA	Yes	No
Comments: Level II data package – no data provided.			
17. Were GC/MS internal standards within method criteria?	NA	Yes	No
Comments: Level II data package – no data provided.			
18. Were inorganic system performance criteria met?	NA	Yes	No
Comments: No inorganic samples submitted.			

19. Were blind field duplicates collected? If so, discuss the precision (RPD) of the results. Duplicate Sample No. Primary Sample No.	Yes X	No
Comments: Samples not validated.		
20. Were at least 10 percent of the hard copy results compared to the Electronic Data Deliverable Results?	Yes X	No Initials EAC
Comments:		
21. Other: Validation Limit	Yes X	No
Comments: Ten percent or minimum one sample validated. Validation criteria, flags and level of confidence apply to validated sample(s) only.		

PRECISION, ACCURACY, METHOD COMPLIANCE AND COMPLETENESS ASSESSMENT

Precision:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Accuracy:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Method Compliance:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Completeness:	Acceptable X	Unacceptable	Initials EAC
Comments:			

Stantec Analytical Validation Checklist — Report No. 011515-EC-06

Project Name: BP – Indy Terminal # 215	Project Number: 182612296
Stantec Validator: Elizabeth Crowley	Laboratory: Pace Analytical, Indianapolis, IL
Date Validated: 01/14/15	Laboratory Project Number: 50108459
Sample Start-End Date: 12/04-12/05/14	Laboratory Report Date: 12/19/14

Parameters Validated: Volatile Organic Compounds (VOC) by 8260 and Poly Aromatic Hydrocarbons by 8270 SIM

Associated Chain(s) of Custody – no numbers/18 aqueous field samples, 4 Equipment Blanks and 1 Trip Blank.

Samples Validated – BPIT-OW12-120514 and BPIT-OW35-120514

VALIDATION CRITERIA CHECK

Validation Flags Applicable to this Review:

U The analyte was analyzed for, but not detected above the reported sample quantitation limit.
J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
B The analyte was detected in the method, field and/or trip blank.

	Yes	No
1. Were all the analyses requested for the samples submitted with each COC completed by the lab?	X	
Comments:		
2. Did the laboratory identify any non-conformances related to the analytical result?		X
Comments:		
3. Were sample Chain-of-Custody forms complete?	X	
Comments:		
4. Were samples received in good condition and at the appropriate temperature?	X	
Comments:		
5. Were sample holding times met?	X	
Comments:		
6. Were correct concentration units reported?	X	
Comments:		

7. Were detections found in laboratory blank samples?		Yes	No X
Comments:			
8. Were detections found in field blank, equipment rinse blank, and/or trip blank samples?		Yes	No X
Comments:			
9. Were instrument calibrations within method criteria?	NA	Yes	No
Comments: Level II data package – no data provided.			
10. Were surrogate recoveries within laboratory control limits?		Yes X	No
Comments:			
11. Were laboratory control sample recoveries within laboratory control limits?		Yes X	No
Comments:			
12. Were matrix spike recoveries within laboratory control limits?		Yes X	No
Comments:			
13. Were RPDs within control limits?		Yes	No X
Comments: 8270 SIM batch OEXT/37692 – Matrix spike RPD above limits for Benzo(a)pyrene, Benzo(g,h,i)Perylene, Benzo(k)fluoranthene, Dibenz(a,h)anthracene and Indeno(1,2,3-CD)pyrene. Associated validated sample results non-detect. No qualifying action required.			
14. Were dilutions required on any samples?		Yes X	No
Comments: No qualifying action taken.			
15. Were Tentatively Identified Compounds (TIC) present?		Yes X	No
Comments: Sample results below the reporting limit do not possess the degree of qualitative or quantitative confidence required. The value may be a false positive and is an estimated value and is flagged “NJ”. Reason Code – SQL			
16. Were organic system performance criteria met?	NA	Yes	No
Comments: Level II data package – no data provided.			
17. Were GC/MS internal standards within method criteria?	NA	Yes	No
Comments: Level II data package – no data provided.			

18. Were inorganic system performance criteria met?	NA	Yes	No
Comments: No inorganic samples submitted.			
19. Were blind field duplicates collected? If so, discuss the precision (RPD) of the results. Duplicate Sample No. Primary Sample No.		Yes X	No
Comments: Samples not validated.			
20. Were at least 10 percent of the hard copy results compared to the Electronic Data Deliverable Results?	Yes X	No	Initials EAC
Comments:			
21. Other: Validation Limit		Yes X	No
Comments: Ten percent of all samples collected for the event or minimum one sample per data package validated. Validation criteria, flags and level of confidence apply to validated sample(s) only.			

PRECISION, ACCURACY, METHOD COMPLIANCE AND COMPLETENESS ASSESSMENT

Precision:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Accuracy:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Method Compliance:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Completeness:	Acceptable X	Unacceptable	Initials EAC
Comments:			

Stantec Analytical Validation Checklist — Report No. 011515-EC-04

Project Name: BP – Indy Terminal # 215	Project Number: 182612296
Stantec Validator: Elizabeth Crowley	Laboratory: Pace Analytical, Indianapolis, IL
Date Validated: 01/14/15	Laboratory Project Number: 50108603
Sample Start-End Date: 12/08/14	Laboratory Report Date: 12/22/14

Parameters Validated: Volatile Organic Compounds (VOC) by 8260 and Poly Aromatic Hydrocarbons by 8270 SIM

Associated Chain(s) of Custody – no numbers/5 aqueous field samples, 2 Equipment Blanks and 1 Trip Blank.

Samples Validated – BPIT-DHW109-120814 and BPIT-OW15-120814

VALIDATION CRITERIA CHECK

Validation Flags Applicable to this Review:

U The analyte was analyzed for, but not detected above the reported sample quantitation limit.
J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
B The analyte was detected in the method, field and/or trip blank.

	Yes	No
1. Were all the analyses requested for the samples submitted with each COC completed by the lab?	X	
Comments:		
2. Did the laboratory identify any non-conformances related to the analytical result?		X
Comments:		
3. Were sample Chain-of-Custody forms complete?	X	
Comments:		
4. Were samples received in good condition and at the appropriate temperature?	X	
Comments:		
5. Were sample holding times met?	X	
Comments:		
6. Were correct concentration units reported?	X	
Comments:		

7. Were detections found in laboratory blank samples?		Yes	No X
Comments:			
8. Were detections found in field blank, equipment rinse blank, and/or trip blank samples?		Yes	No X
Comments:			
9. Were instrument calibrations within method criteria?	NA	Yes	No
Comments: Level II data package – no data provided.			
10. Were surrogate recoveries within laboratory control limits?		Yes X	No
Comments:			
11. Were laboratory control sample recoveries within laboratory control limits?		Yes X	No
Comments:			
12. Were matrix spike recoveries within laboratory control limits?		Yes X	No
Comments:			
13. Were RPDs within control limits?		Yes X	No
Comments:			
14. Were dilutions required on any samples?		Yes X	No
Comments: No qualifying action taken.			
15. Were Tentatively Identified Compounds (TIC) present?		Yes X	No
Comments: Sample results below the reporting limit do not possess the degree of qualitative or quantitative confidence required. The value may be a false positive and is an estimated value and is flagged "NJ". Reason Code – SQL			
16. Were organic system performance criteria met?	NA	Yes	No
Comments: Level II data package – no data provided.			
17. Were GC/MS internal standards within method criteria?	NA	Yes	No
Comments: Level II data package – no data provided.			
18. Were inorganic system performance criteria met?	NA	Yes	No
Comments: No inorganic samples submitted.			

19. Were blind field duplicates collected? If so, discuss the precision (RPD) of the results. Duplicate Sample No. Primary Sample No.	Yes	No X
Comments:		
20. Were at least 10 percent of the hard copy results compared to the Electronic Data Deliverable Results?	Yes X	No	Initials EAC
Comments:		
21. Other: Validation Limit	Yes X	No
Comments: Ten percent or minimum one sample validated. Validation criteria, flags and level of confidence apply to validated sample(s) only.		

PRECISION, ACCURACY, METHOD COMPLIANCE AND COMPLETENESS ASSESSMENT

Precision:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Accuracy:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Method Compliance:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Completeness:	Acceptable X	Unacceptable	Initials EAC
Comments:			

Stantec Analytical Validation Checklist — Report No. 011515-EC-05

Project Name: BP – Indy Terminal # 215	Project Number: 182612296
Stantec Validator: Elizabeth Crowley	Laboratory: Pace Analytical, Indianapolis, IL
Date Validated: 01/14/15	Laboratory Project Number: 50108787
Sample Start-End Date: 12/09-12/10/14	Laboratory Report Date: 12/29/14

Parameters Validated: Volatile Organic Compounds (VOC) by 8260 and Poly Aromatic Hydrocarbons by 8270 SIM

Associated Chain(s) of Custody – no numbers/24 aqueous field samples, 4 Equipment Blanks and 1 Trip Blank.

Samples Validated – BPIT-OW03-121014 and BPIT-DHW30-121014

VALIDATION CRITERIA CHECK

Validation Flags Applicable to this Review:

U The analyte was analyzed for, but not detected above the reported sample quantitation limit.
J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
B The analyte was detected in the method, field and/or trip blank.

	Yes	No
1. Were all the analyses requested for the samples submitted with each COC completed by the lab?	X	
Comments:		
2. Did the laboratory identify any non-conformances related to the analytical result?		X
Comments:		
3. Were sample Chain-of-Custody forms complete?		X
Comments: EB11 and EB12 not listed on CofC. Samples added to data package by laboratory. No qualifying action required.		
4. Were samples received in good condition and at the appropriate temperature?	X	
Comments:		
5. Were sample holding times met?	X	
Comments:		
6. Were correct concentration units reported?	X	
Comments:		

7. Were detections found in laboratory blank samples?		Yes	No X
Comments:			
8. Were detections found in field blank, equipment rinse blank, and/or trip blank samples?		Yes	No X
Comments:			
9. Were instrument calibrations within method criteria?	NA	Yes	No
Comments: Level II data package – no data provided.			
10. Were surrogate recoveries within laboratory control limits?		Yes X	No
Comments:			
11. Were laboratory control sample recoveries within laboratory control limits?		Yes X	No
Comments:			
12. Were matrix spike recoveries within laboratory control limits?		Yes X	No
Comments:			
13. Were RPDs within control limits?		Yes X	No
Comments:			
14. Were dilutions required on any samples?		Yes X	No
Comments: No qualifying action taken.			
15. Were Tentatively Identified Compounds (TIC) present?		Yes X	No
Comments: Sample results below the reporting limit do not possess the degree of qualitative or quantitative confidence required. The value may be a false positive and is an estimated value and is flagged "NJ". Reason Code – SQL			
16. Were organic system performance criteria met?	NA	Yes	No
Comments: Level II data package – no data provided.			
17. Were GC/MS internal standards within method criteria?	NA	Yes	No
Comments: Level II data package – no data provided.			
18. Were inorganic system performance criteria met?	NA	Yes	No
Comments: No inorganic samples submitted.			

19. Were blind field duplicates collected? If so, discuss the precision (RPD) of the results. Duplicate Sample No. Primary Sample No.	Yes X	No
Comments: Samples not validated.		
20. Were at least 10 percent of the hard copy results compared to the Electronic Data Deliverable Results?	Yes X	No Initials EAC
Comments:		
21. Other: Validation Limit	Yes X	No
Comments: Ten percent of all samples collected for the event or minimum one sample per data package validated. Validation criteria, flags and level of confidence apply to validated sample(s) only.		

PRECISION, ACCURACY, METHOD COMPLIANCE AND COMPLETENESS ASSESSMENT

Precision:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Accuracy:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Method Compliance:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Completeness:	Acceptable X	Unacceptable	Initials EAC
Comments:			

Stantec Analytical Validation Checklist — Report No. 011515-EC-07

Project Name: BP – Indy Terminal # 215	Project Number: 182612296
Stantec Validator: Elizabeth Crowley	Laboratory: Pace Analytical, Indianapolis, IL
Date Validated: 01/14/15	Laboratory Project Number: 50109029
Sample Start-End Date: 12/11/14	Laboratory Report Date: 01/09/15

Parameters Validated: Volatile Organic Compounds (VOC) by 8260 and Poly Aromatic Hydrocarbons by 8270 SIM

Associated Chain(s) of Custody – no numbers/17 aqueous field samples, 2 Equipment Blanks and 1 Trip Blank.

Samples Validated – BPIT-OW30-121114 and BPIT-DHW72-121114

VALIDATION CRITERIA CHECK

Validation Flags Applicable to this Review:

U The analyte was analyzed for, but not detected above the reported sample quantitation limit.
J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
B The analyte was detected in the method, field and/or trip blank.

	Yes	No
1. Were all the analyses requested for the samples submitted with each COC completed by the lab?	X	
Comments:		
2. Did the laboratory identify any non-conformances related to the analytical result?		X
Comments:		
3. Were sample Chain-of-Custody forms complete?	X	
Comments:		
4. Were samples received in good condition and at the appropriate temperature?	X	
Comments:		
5. Were sample holding times met?	X	
Comments:		
6. Were correct concentration units reported?	X	
Comments:		

7. Were detections found in laboratory blank samples?		Yes	No X
Comments:			
8. Were detections found in field blank, equipment rinse blank, and/or trip blank samples?		Yes	No X
Comments:			
9. Were instrument calibrations within method criteria?	NA	Yes	No
Comments: Level II data package – no data provided.			
10. Were surrogate recoveries within laboratory control limits?		Yes X	No
Comments:			
11. Were laboratory control sample recoveries within laboratory control limits?		Yes X	No
Comments:			
12. Were matrix spike recoveries within laboratory control limits?		Yes X	No
Comments:			
13. Were RPDs within control limits?		Yes	No X
Comments: 8270 SIM batch OEXT/37778 – Matrix spike RPD above limits for Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)Perylene, Benzo(k)fluoranthene, Chrysene, Dibenz(a,h)anthracene and Indeno(1,2,3-CD)pyrene. Associated validated sample results non-detect. No qualifying action required.			
14. Were dilutions required on any samples?		Yes X	No
Comments: No qualifying action taken.			
15. Were Tentatively Identified Compounds (TIC) present?		Yes X	No
Comments: Sample results below the reporting limit do not possess the degree of qualitative or quantitative confidence required. The value may be a false positive and is an estimated value and is flagged “NJ”. Reason Code – SQL			
16. Were organic system performance criteria met?	NA	Yes	No
Comments: Level II data package – no data provided.			
17. Were GC/MS internal standards within method criteria?	NA	Yes	No
Comments: Level II data package – no data provided.			

18. Were inorganic system performance criteria met?	NA	Yes	No
Comments: No inorganic samples submitted.			
19. Were blind field duplicates collected? If so, discuss the precision (RPD) of the results. Duplicate Sample No. Primary Sample No.		Yes X	No
Comments: Samples not validated.			
20. Were at least 10 percent of the hard copy results compared to the Electronic Data Deliverable Results?	Yes X	No	Initials EAC
Comments:			
21. Other: Validation Limit		Yes X	No
Comments: Ten percent of all samples collected for the event or minimum one sample per data package validated. Validation criteria, flags and level of confidence apply to validated sample(s) only.			

PRECISION, ACCURACY, METHOD COMPLIANCE AND COMPLETENESS ASSESSMENT

Precision:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Accuracy:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Method Compliance:	Acceptable X	Unacceptable	Initials EAC
Comments:			
Completeness:	Acceptable X	Unacceptable	Initials EAC
Comments:			