



Stantec Consulting Services Inc.
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December 8, 2014

Mr. Paul Atkociunas, OSC
U.S. Environmental Protection Agency, Region 5
Emergency Response Branch, Response Section # 4
77 West Jackson Blvd. (SE-5J)
Chicago, Illinois 60604

RE: Monthly Little Eagle Creek Surface Water Sampling Report
October 2014 Sampling Event
BP Products North America Incorporated
Site # 215 - Indianapolis Terminal
2500 North Tibbs Avenue
Indianapolis, Marion County, Indiana 46222
Stantec Project No.: 182612296

Dear Mr. Atkociunas:

Stantec Consulting Services, Inc. (Stantec) has prepared this Monthly Little Eagle Creek Surface Water Sampling 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 BP Indy Terminal, the Site, or the Facility). 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.b.ii and V.31.c of the Order.

List of Figures, Tables, and Attachments

Figure 1 Surface Water Sampling Results – October 17, 2014

Table 1 Surface Water Analytical Results – October 17, 2014

Table 2 Cumulative Surface Water Analytical Results

Attachment A Laboratory Analytical Report – October 28, 2014

Attachment B Stantec Analytical Validation Checklist

Monthly Surface Water Sampling

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 October 17, 2014. The samples were collected in accordance with the Quality Assurance Project Plan (QAPP) dated January 23, 2012 (including Addendums from April 12, 2012 and March 11, 2014), placed in coolers with ice, and transported under chain-of-custody procedures by the sampling technician to Pace Analytical Services, Inc. (Pace)



December 8, 2014
Mr. Paul Atkociunas, OSC
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Reference: Monthly Little Eagle Creek Surface Water Sampling Report

of Indianapolis, Indiana. Pace subsequently analyzed the samples for benzene, toluene, ethylbenzene, and total xylenes (BTEX) and targeted polycyclic aromatic hydrocarbons (PAHs) using United States Environmental Protection Agency (U.S. EPA) Methods 524.2 and 8270 SIM LVE, respectively. A summary of the analytical results from surface water samples collected at these locations is presented in Table 1. Cumulative surface water analytical results are presented in Table 2. The October 17, 2014, BTEX and targeted PAH sampling results are illustrated on Figure 1. The surface water analytical report is included as Attachment A and the Stantec Analytical Validation Checklist is included as Attachment B.

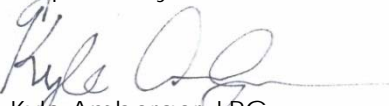
Laboratory analysis of the surface water samples collected during the October sampling event showed that all BTEX and all 16 targeted PAH constituents were below laboratory detection limits. The non-detect results were also observed in locations that historically exhibited detectable benzene concentrations.

The October 17, 2014, surface water sampling event was conducted while the pump and treat system was operational.

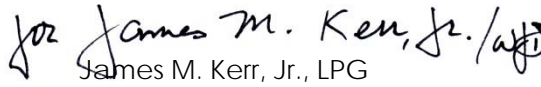
If you have any questions or require additional information please contact Bruno Mancini of BP at (216) 416-1225, or John McInnes of Stantec at (317) 876-8375, extension 226.

Regards,
Stantec Consulting Services, Inc.

Prepared by:


Kyle Amberger, LPG
Project Geologist

Reviewed by:


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

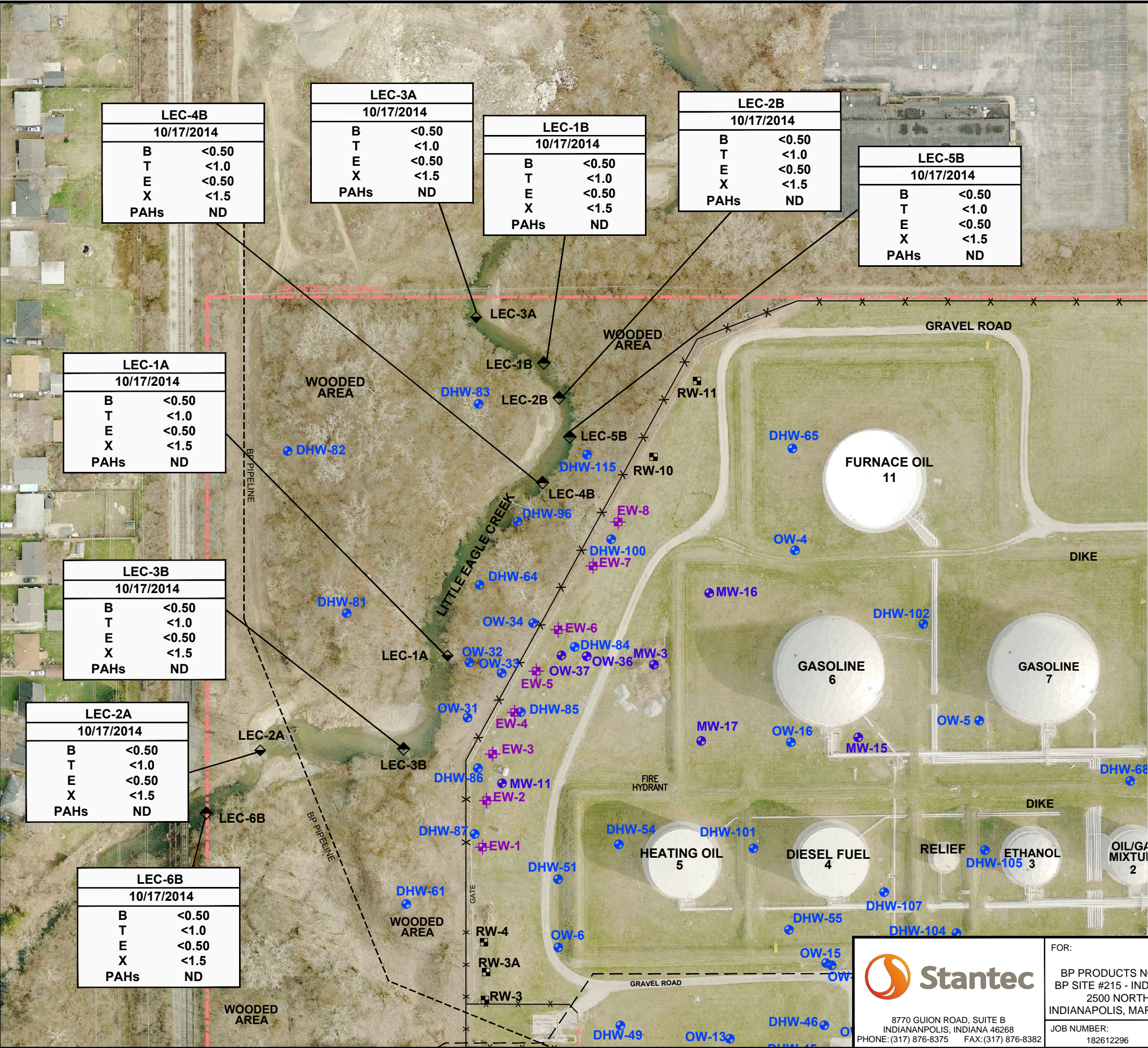
Approved by:


John W. McInnes, LPG
Managing Principal Geologist

Attachments

cc: Bruno Mancini, BP

FIGURE

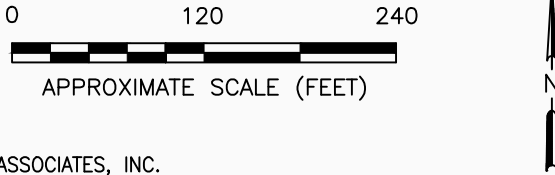


LEGEND:


- 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 | 10/17/2014 | SAMPLE ID NUMBER | 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
BTX (SAMPLE METHOD 524.2)
PAH (SAMPLE METHOD 8270 SIM)



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

| | | | | |
|---|--|--|-------------------|--------------------|
|  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 | SURFACE WATER SAMPLING RESULTS OCTOBER 17, 2014 | | FIGURE: 1 |
| | JOB NUMBER: 182612296 | DRAWN BY: KM | CHECKED BY: KA | APPROVED BY: JM |

TABLES

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

| Sample Location | | | | 1A | | 1B | 2A | 2B | 3A | 3B | 4B | 5B | 6B | Trip Blank |
|---|-------|--------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----------------------|
| Sample Date | | | | 17-Oct-14 | 17-Oct-14 | 17-Oct-14 | 17-Oct-14 | 17-Oct-14 | 17-Oct-14 | 17-Oct-14 | 17-Oct-14 | 17-Oct-14 | 17-Oct-14 | 17-Oct-14 |
| Sample ID | | | | BPIT-LEC1A-101714 | BPIT-DUP01-101714 | BPIT-LEC1B-101714 | BPIT-LEC2A-101714 | BPIT-LEC2B-101714 | BPIT-LEC3A-101714 | BPIT-LEC3B-101714 | BPIT-LEC4B-101714 | BPIT-LEC5B-101714 | BPIT-LEC6B-101714 | BPIT-TRIPBLANK-101714 |
| 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 | 50105553 | 50105553 | 50105553 | 50105553 | 50105553 | 50105553 | 50105553 | 50105553 | 50105553 | 50105553 | 50105553 |
| Laboratory Sample ID | | | RCRA | 50105553005 | 50105553010 | 50105553008 | 50105553002 | 50105553007 | 50105553009 | 50105553004 | 50105553006 | 50105553003 | 50105553001 | 50105553011 |
| Sample Type | Units | SFAL | Ecological | | Field Duplicate | | | | | | | | | Trip Blank |
| BTEX | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B _f | < 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 ^B _f | < 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 ^B _{oz} | < 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 ^B _{oz} | < 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 ^B _f | < 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 ^B _f | < 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 ^B _f | < 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 ^B _{cz} | < 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 ^B _f | < 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 _f | < 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 _f | < 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 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 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 ^B _{fz} | < 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 ^B _{fz} | < 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 _{fz} | < 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 ^B _{fz} | < 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 ^B _{fz} | < 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 ^B _{fz} | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - |

See note on last page

TABLE 2
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 | | | | | | | | | | | | | | | |
|----------------------------------|-------|--------------------|----------------------|-------------------|------------------|------------------|------------------|-------------------|-----------|-------------------|-------------------|-----------|-------------------|-------------------|-----------|-----------|-------------------|------------|-------------------|
| Sample Date | | | | 27-Dec-00 | 2-Apr-01 | 14-Jun-01 | 5-Jul-01 | 10-Aug-01 | 11-Oct-01 | 29-Jan-02 | 11-Mar-02 | 28-May-02 | 25-Jul-02 | 25-Sep-02 | 27-Nov-02 | 25-Mar-03 | 28-May-03 | 23-Jul-03 | 28-Jan-04 |
| Sample ID | | | | SURFACE WATER-1 | SS#215 SURFACE-1 | SS#215 SURFACE-1 | SS#215 SURFACE-1 | SS#216 SURFACE-1 | CREEK#1 | SURFACE-1 | SURF-1 | CREEK-1 | 1-A | 1-A | 1-A | 1-A | 1A:W052803 | 1A:W072303 | 1A:W012804 |
| Sampling Company | | | | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP |
| Laboratory | | | USEPA | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII |
| Laboratory Work Order | | | Region 5 | 5012893 | 5014085 | 5015175 | 5015506 | 5016055 | 5017080 | 5018831 | 5019424 | 5020591 | 5021631 | 5022710 | 5023962 | 5026190 | 5027622 | 5029002 | 5033009 |
| Laboratory Sample ID | | | RCRA | 50852961 | 50981232 | 501095137 | 501128623 | 501187256 | 501294474 | 501481931 | 501555882 | 501681688 | 501793186 | 501905103 | 502041494 | 502294499 | 502463714 | 502627573 | 503119042 |
| Sample Type | Units | SFAL | Ecological | | | | | | | | | | | | | | | | |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B | 310 ^{AB} | 28. | 37. | < 1.0 | 140 ^{AB} | < 1.0 | 170 ^{AB} | 500 ^{AB} | 3.4 | 240 ^{AB} | 140 ^{AB} | 59. | 91. | 230 ^{AB} | 71. | 150 ^{AB} |
| Toluene | µg/L | 2000 ^A | 253 ^B | 2.5 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | 2.9 | 1.6 | 1.5 | 1.4 | 3.3 B | 1.4 | 2.4 |
| Ethylbenzene | µg/L | 1000 ^A | 14 ^{acB} | < 0.50 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 0.50 | < 0.50 | 1.6 | < 0.50 | 0.78 | < 0.50 | 0.92 |
| Xylene, m & p- | µg/L | n/v | n/v | < 0.50 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | 2.9 | 3.3 | 3.1 | 2.1 | 23. | 2.3 | 11. |
| Xylene, o- | µg/L | n/v | n/v | < 0.50 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 1.1 | < 0.50 | < 0.50 |
| Xylenes, Total | µg/L | 40000 ^A | 27 ^{acB} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | < 1.0 | < 4.0 | < 4.0 | < 4.0 | < 4.0 | < 4.0 | < 4.0 | < 4.0 | < 4.0 | - | - | - | - | - | - | < 1.0 |
| Naphthalene | µg/L | 100 ^A | 13 ^{acB} | - | - | - | - | - | - | - | - | - | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^{acB} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Acenaphthylene | µg/L | n/v | 4840 ^{bB} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Anthracene | µg/L | 11000 ^A | 0.035 ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(a)anthracene | µg/L | 0.1 ^A | 0.025 ^{acB} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(a)pyrene | µg/L | 0.2 ^A | 0.014 ^{hB} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(b)fluoranthene | µg/L | 0.2 ^A | 9.07 ^{bB} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(g,h,i)perylene | µg/L | n/v | 7.64 ^{bB} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(k)fluoranthene | µg/L | 0.2 ^A | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Chrysene | µg/L | 0.2 ^A | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Dibenzo(a,h)anthracene | µg/L | 0.3 ^A | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Fluoranthene | µg/L | n/v | 1.9 ^{acB} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Fluorene | µg/L | 1400 ^A | 19 ^{acB} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Indeno(1,2,3-cd)pyrene | µg/L | 0.4 ^A | 4.31 ^{bB} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Naphthalene | µg/L | 100 ^A | 13 ^{acB} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Phenanthrene | µg/L | n/v | 3.6 ^{acB} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Pyrene | µg/L | 1100 ^A | 0.3 ^{acB} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

See notes on last page

TABLE 2
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 | | | | | | | | | | | | | | | |
|----------------------------------|-------|--------------------|----------------------|-----------|-----------------|-------------------|------------------|------------|------------|-------------------|-------------------|-------------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date | | | | 15-Apr-04 | 15-Apr-04 | 15-Jun-04 | 24-Aug-04 | 20-Oct-04 | 30-Dec-04 | 24-Feb-05 | 12-May-05 | 8-Jul-05 | 30-Sep-05 | 10-Nov-05 | 18-Jan-06 | 30-Mar-06 | 24-May-06 | 27-Jul-06 | 21-Sep-06 |
| Sample ID | | | | 1-A | FD | 1A:W061504 | 1A:W082404 | 1A:W102004 | 1A:W123004 | 1A:W022405 | 1A:W051205 | 1A:W070805 | 1A:W093005 | 1A:W111005 | 1A:W011806 | 1A:W033006 | 1A:W052406 | 1A:W072706 | 1A:W092106 |
| Sampling Company | | | | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP |
| Laboratory | | | USEPA | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII |
| Laboratory Work Order | | | Region 5 | 5034825 | 5034825 | 5036363 | 5038107 | 5039682 | 5041190 | 5042299 | 5043959 | 5045397 | 5047586 | 5048774 | 5050467 | 5052061 | 5053408 | 5054931 | 5056348 |
| Laboratory Sample ID | | | RCRA | 503330433 | 503330466 | 503522211 | 503740086 | 503934648 | 504125592 | 504264797 | 504475401 | 504661448 | 504933995 | 505080010 | 505298596 | 505513705 | 505674895 | 505862607 | 506038272 |
| Sample Type | Units | SFAL | Ecological | | Field Duplicate | | | | | | | | | | | | | | |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B | 44. | 64. | 220 ^{AB} | 110 ^A | 15. | 14. | 310 ^{AB} | 680 ^{AB} | 650 ^{AB} | 2.4 | 50. | 8.2 | 4.1 | 38. | 19. | 6.1 |
| Toluene | µg/L | 2000 ^A | 253 ^B | < 1.0 | 1.1 | 3.6 | 1.6 | < 1.0 | < 1.0 | 3.8 | 5.9 | 6.6 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene | µg/L | 1000 ^A | 14 ^{acB} | < 0.50 | < 0.50 | 1.4 | < 0.50 | < 0.50 | < 0.50 | 1.3 | 2.1 | 2.2 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 0.59 | < 0.50 | < 0.50 |
| Xylene, m & p- | µg/L | n/v | n/v | < 1.0 | < 1.0 | 13. | 6.2 | < 1.0 | < 1.0 | 18. | 17. | 14. | - | 2.3 | < 1.0 | < 1.0 | 1.8 | < 1.0 | < 1.0 |
| Xylene, o- | µg/L | n/v | n/v | < 0.50 | < 0.50 | 0.69 | < 0.50 | < 0.50 | < 0.50 | 0.71 | 1.5 | 1.7 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Xylenes, Total | µg/L | 40000 ^A | 27 ^{acB} | - | - | - | - | - | - | - | - | - | < 1.5 | - | - | - | - | - | - |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | < 1.0 | < 1.0 | 2.2 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | 4.6 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Naphthalene | µg/L | 100 ^A | 13 ^{acB} | < 1.0 | < 1.0 | < 1.0 | - | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - | < 1.0 | < 1.0 | < 1.0 | 3.5 | < 1.0 | < 1.0 |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^{aB} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Acenaphthylene | µg/L | n/v | 4840 ^{bB} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Anthracene | µg/L | 11000 ^A | 0.035 ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(a)anthracene | µg/L | 0.1 ^A | 0.025 ^{acB} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(a)pyrene | µg/L | 0.2 ^A | 0.014 ^{hB} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(b)fluoranthene | µg/L | 0.2 ^A | 9.07 ^{dB} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(g,h,i)perylene | µg/L | n/v | 7.64 ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(k)fluoranthene | µg/L | 0.2 ^A | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Chrysene | µg/L | 0.2 ^A | n/v | - | - | - | n/v | - | - | - | - | - | - | - | - | - | - | - | - |
| Dibenzo(a,h)anthracene | µg/L | 0.3 ^A | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Fluoranthene | µg/L | n/v | 1.9 ^{tzB} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Fluorene | µg/L | 1400 ^A | 19 ^{aB} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Indeno(1,2,3-cd)pyrene | µg/L | 0.4 ^A | 4.31 ^{dB} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Naphthalene | µg/L | 100 ^A | 13 ^{acB} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Phenanthrene | µg/L | n/v | 3.6 ^B | - | - | - | n/v | - | - | - | - | - | - | - | - | - | - | - | - |
| Pyrene | µg/L | 1100 ^A | 0.3 ^{tzB} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

See notes on last page

TABLE 2
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 | | | | | | | | |
|----------------------------------|-------|--------------------|----------------------------------|-----------|-----------------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date | | | | 30-Jan-07 | 30-Jan-07 | 21-Mar-07 | 31-May-07 | 31-Jul-07 | 13-Sep-07 | 25-Jun-08 | 22-Sep-08 | 30-Dec-08 | 26-Mar-09 | 29-Jul-09 | 15-Oct-09 | 20-Jan-10 | 6-May-10 | 3-Nov-10 | 2-Mar-11 | 25-May-11 |
| Sample ID | | | | 1A | DUP-1 | 1A | 1A | 1A | 1A | 1A | 1A | 1A | 1A | Midpoint | Midpoint | Midpoint | Midpoint | Midpoint | Midpoint | Midpoint |
| Sampling Company | | | | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | STANTEC | STANTEC |
| Laboratory | | | USEPA | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII |
| Laboratory Work Order | | | Region 5 | 501046 | 501046 | 502323 | 504194 | 505893 | 507210 | 5016219 | 5019112 | 5022178 | 5024682 | 5028760 | 5031299 | 5034067 | 5037259 | 5043166 | 5046351 | 5049053 |
| Laboratory Sample ID | | | RCRA | 501046001 | 501046004 | 502323002 | 504194002 | 505893001 | 507210002 | 5016219001 | 5019112001 | 5022178001 | 5024682001 | 5028760002 | 5031299002 | 5034067002 | 5037259002 | 5043166002 | 5046351002 | 5049053002 |
| Sample Type | Units | SFAL | Ecological | | Field Duplicate | | | | | | | | | | | | | | | |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B | 41.4 | 41.2 | 17.4 | 37.4 | 28.8 | 35.5 | 42.2 | 43.5 | 5.0 | 13.2 | 11.7 | 9.8 | 4.3 | 3.5 | 43.8 | 15.2 | 13.5 |
| Toluene | µg/L | 2000 ^A | 253 ^B | < 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 |
| Ethylbenzene | µg/L | 1000 ^A | 14 ^{ac} ^B | < 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 |
| Xylene, m & p- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylene, o- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylenes, Total | µg/L | 40000 ^A | 27 ^{ac} ^B | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | < 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 |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^a ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Acenaphthylene | µg/L | n/v | 4840 ^b ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Anthracene | µg/L | 11000 ^A | 0.035 ^a ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(a)anthracene | µg/L | 0.1 ^A | 0.025 ^{c2} ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(a)pyrene | µg/L | 0.2 ^A | 0.014 ⁿ ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(b)fluoranthene | µg/L | 0.2 ^A | 9.07 ^b ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(g,h,i)perylene | µg/L | n/v | 7.64 ^b ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(k)fluoranthene | µg/L | 0.2 ^A | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Chrysene | µg/L | 0.2 ^A | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Dibenzo(a,h)anthracene | µg/L | 0.3 ^A | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Fluoranthene | µg/L | n/v | 1.9 ^a ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Fluorene | µg/L | 1400 ^A | 19 ^d ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Indeno(1,2,3-cd)pyrene | µg/L | 0.4 ^A | 4.31 ^b ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Phenanthrene | µg/L | n/v | 3.6 ^a ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Pyrene | µg/L | 1100 ^A | 0.3 ^a ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

See notes on last page

TABLE 2
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 Sample Date | | | | 1A | | | | | | | | | | | | | | | |
|----------------------------------|-------|--------------------|---------------------|------------|-----------------------|-----------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-------------------|---------------------|-------------------|-------------------|
| | | | | 31-Aug-11 | 8-Dec-11 | 7-Feb-12 | 14-Feb-12 | 22-Feb-12 | 28-Feb-12 | 6-Mar-12 | 14-Mar-12 | 3-Apr-12 | 15-May-12 | 15-May-12 | 12-Jun-12 | 12-Jun-12 | 26-Jun-12 | 14-Aug-12 | 14-Aug-12 |
| Sample ID | | | | Midpoint | BPIT-MIDSTREAM-120811 | BP-IT-1A-020712 | BPIT-1A-021412 | BPIT-1A-022212 | BPIT-1A-022812 | BPIT-1A-030612 | BPIT-1A-031412 | BPIT-1A-040312 | BPIT-1A-051512 | DUP-01 | BPIT-1A-061212 | BPIT-DUP01-061212 | BPIT-LEC1A-062612 S | BPIT-LEC1A-081412 | BPIT-DUP01-081412 |
| Sampling Company | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | USEPA | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII |
| Laboratory Work Order | | | Region 5 | 5052233 | 5055736 | 5058232 | 5058509 | 5058904 | 5059171 | 5059490 | 5059979 | 5061000 | 5062957 | 5062957 | 5064373 | 5064373 | 5065130 | 5067503 | 5067503 |
| Laboratory Sample ID | | | RCRA | 5052233002 | 5055736003 | 5058232001 | 5058509001 | 5058904001 | 5059171001 | 5059490004 | 5059979001 | 5061000004 | 5062957004 | 5062957010 | 5064373003 | 5064373009 | 5065130012 | 5067503009 | 5067503010 |
| Sample Type | Units | SFAL | Ecological | | | | | | | | | | | Field Duplicate | Field Duplicate | | | | Field Duplicate |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B | 16.2 | 12.5 | 17.5 | 18.6 | 11.0 | 21.7 | 15.6 | 14.5 | < 0.50 | 9.2 | 9.2 | 2.9 | 3.1 | 6.6 | < 0.50 | < 0.50 |
| Toluene | µg/L | 2000 ^A | 253 ^B | < 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 |
| Ethylbenzene | µg/L | 1000 ^A | 14 ^{ac} | < 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 |
| Xylene, m & p- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylene, o- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylenes, Total | µg/L | 40000 ^A | 27 ^{ac} | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | < 1.0 | < 1.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^{ac} | < 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 | 4840 ^B | < 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 | 11000 ^A | 0.035 ^B | < 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 | 0.1 ^A | 0.025 ^{ac} | < 0.10 | - | < 0.10 | 0.096 ^{NJ} | < 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 | 0.014 ⁿ | < 0.10 | - | < 0.10 | 0.15 ^B | < 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 | 0.2 ^A | 9.07 ^B | < 0.10 | - | < 0.10 | 0.29 ^A | < 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 | 7.64 ^B | < 0.10 | - | < 0.10 | 0.21 | < 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 | 0.2 ^A | n/v | < 0.10 | - | < 0.10 | 0.21 ^A | < 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 | 0.2 ^A | n/v | < 0.50 | - | < 0.50 | 0.31 ^{NJ} | < 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 | 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 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Fluoranthene | µg/L | n/v | 1.9 ^{ac} | < 1.0 | - | < 1.0 | 0.76 ^{NJ} | < 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 | 1400 ^A | 19 ^d | < 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 | 0.4 ^A | 4.31 ^B | < 0.10 | - | < 0.10 | 0.17 | < 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 | 100 ^A | 13 ^{ac} | < 1.0 | - | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 |
| Phenanthrene | µg/L | n/v | 3.6 ^B | < 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 | 1100 ^A | 0.3 ^{ac} | < 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 |

See notes on last page

TABLE 2
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 | | | | | 4-Sep-12 | 4-Sep-12 | 11-Dec-12 | 11-Dec-12 | 26-Feb-13 | 15-Mar-13 | 15-Mar-13 | 9-Apr-13 | 1A | 9-Apr-13 | 14-May-13 | 14-May-13 | 24-Jul-13 | 24-Jul-13 | 23-Aug-13 | 23-Aug-13 | 25-Sep-13 | 25-Sep-13 | | |
|----------------------------------|-------|--------------------|----------------------------------|--|-----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----------------------|-------------------|----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----------|--|--|
| Sample Date | | | | | BPIT-LEC1A-090412 | BPIT-DUP01-090412 | BPIT-LEC1A-121112 | BPIT-DUP01-121112 | BPIT-LEC1A-022613 | BPIT-LEC1A-031513 | BPIT-DUP01-031513 | BPIT-LEC1A-040913 | BPIT-LEC DUP01-040913 | BPIT-LEC1A-051413 | BPIT-LECDUP01-051413 | BPIT-LEC1A-072413 | BPIT-DUP01-072413 | BPIT-LEC1A-082313 | BPIT-DUP01-082313 | BPIT-LEC1A-092513 | BPIT-DUP01-092513 | | | |
| Sample ID | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | | | |
| Laboratory | | | USEPA | | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | | | |
| Laboratory Work Order | | | Region 5 | | 5068540 | 5068540 | 5073543 | 5073543 | 5076736 | 5077586 | 5077586 | 5078625 | 5078625 | 5080418 | 5080418 | 5084068 | 5084068 | 5085669 | 5085669 | 5087438 | 5087438 | | | |
| Laboratory Sample ID | | | RCRA | | 5068540004 | 5068540010 | 5073543004 | 5073543010 | 5076736004 | 5077586004 | 5077586011 | 5078625004 | 5078625010 | 5080418004 | 5080418010 | 5084068004 | 5084068010 | 5085669004 | 5085669011 | 5087438004 | 5087438010 | | | |
| Sample Type | Units | SFAL | Ecological | | | Field Duplicate | | Field Duplicate | | | Field Duplicate | | Field Duplicate | | Field Duplicate | | Field Duplicate | | Field Duplicate | | Field Duplicate | | | |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B _{fl} | | < 5.0 | < 5.0 | < 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 | | | |
| Toluene | µg/L | 2000 ^A | 253 ^B _{fl} | | < 5.0 | < 5.0 | < 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 | | | |
| Ethylbenzene | µg/L | 1000 ^A | 14 ^B _{oz} | | < 5.0 | < 5.0 | < 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 | | | |
| Xylene, m & p- | µg/L | n/v | n/v | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| Xylene, o- | µg/L | n/v | n/v | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| Xylenes, Total | µg/L | 40000 ^A | 27 ^B _{dz} | | < 10.0 | < 10.0 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | | | |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| Naphthalene | µg/L | 100 ^A | 13 ^B _{oz} | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^B _o | | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | | | |
| Acenaphthylene | µg/L | n/v | 4840 ^B _o | | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | | | |
| Anthracene | µg/L | 11000 ^A | 0.035 ^B _{fl} | | 0.052 NJ ^B | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | 0.093 NJ ^B | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | | | |
| Benzo(a)anthracene | µg/L | 0.1 ^A | 0.025 ^B _{cz} | | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | 0.10 ^B | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | | | |
| Benzo(a)pyrene | µg/L | 0.2 ^A | 0.014 ^B _o | | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | | | |
| Benzo(b)fluoranthene | µg/L | 0.2 ^A | 9.07 ^B _o | | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | 0.087 NJ | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | | | |
| Benzo(g,h,i)perylene | µg/L | n/v | 7.64 ^B _o | | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | 0.056 NJ | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | | | |
| Benzo(k)fluoranthene | µg/L | 0.2 ^A | n/v | | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | 0.055 NJ | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | | | |
| Chrysene | µg/L | 0.2 ^A | n/v | | < 0.50 | < 0.50 | < 0.50 J | < 0.50 J | < 0.50 | < 0.50 | < 0.50 J | < 0.50 J | < 0.50 | < 0.50 | < 0.50 J | < 0.50 J | < 0.50 J | < 0.50 J | < 0.50 J | < 0.50 | < 0.50 | | | |
| Dibenzo(a,h)anthracene | µg/L | 0.3 ^A | n/v | | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | | | |
| Fluoranthene | µg/L | n/v | 1.9 ^B _{lz} | | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | | | |
| Fluorene | µg/L | 1400 ^A | 19 ^B _d | | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | | | |
| Indeno(1,2,3-cd)pyrene | µg/L | 0.4 ^A | 4.31 ^B _o | | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | | | |
| Naphthalene | µg/L | 100 ^A | 13 ^B _{oz} | | 1.6 J | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | | | |
| Phenanthrene | µg/L | n/v | 3.6 ^B _o | | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | | | |
| Pyrene | µg/L | 1100 ^A | 0.3 ^B _o | | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | | | |

See notes on last page

TABLE 2
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 | | | | | | | | | | | | | | | | | |
|----------------------------------|-------|--------------------|--|-------------------|-------------------|-------------------|----------------------|--------------------|-------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Sample Date | | | | 17-Oct-13 | 17-Oct-13 | 13-Nov-13 | 13-Nov-13 | 17-Mar-14 | 17-Mar-14 | 21-Apr-14 | 21-Apr-14 | 21-May-14 | 21-May-14 | 16-Jun-14 | 16-Jun-14 | 18-Jul-14 | 18-Jul-14 | 25-Aug-14 | 25-Aug-14 | 19-Sep-14 | 19-Sep-14 |
| Sample ID | | | | BPIT-LEC1A-101713 | BPIT-DUP01-101713 | BPIT-LEC1A-111313 | BPIT-LECDUP01-111313 | BPIT-LEC 1A-031714 | BPIT-DUP01-031714 | BPIT-LEC 1A-042114 | BPIT-DUP 01-042114 | BPIT-LEC1A-052114 | BPIT-DUP01-052114 | BPIT-LEC1A-061614 | BPIT-DUP01-061614 | BPIT-LEC1A-071814 | BPIT-DUP01-071814 | BPIT_LEC1A-082514 | BPIT_DUP01-082514 | BPIT-LEC1A-091914 | BPIT-DUP01-091914 |
| Sampling Company | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | USEPA | | PIII | PIII | PIII | PIII | PIII | PII | PII | PACE | PACE | PACE | PACE | PACE | PACE | PACE | PACE | PACE | PACE |
| Laboratory Work Order | | | Region 5 | 5088520 | 5088520 | 5089822 | 5089822 | 5094734 | 5094734 | 5096521 | 5096521 | 5098077 | 5098077 | 5099367 | 5099367 | 50101099 | 50101099 | 50102757 | 50102757 | 50104047 | 50104047 |
| Laboratory Sample ID | | | RCRA | 5088520004 | 5088520010 | 5089822004 | 5089822010 | 5094734006 | 5094734002 | 5096521004 | 5096521010 | 5098077004 | 5098077010 | 5099367004 | 5099367010 | 50101099004 | 50101099010 | 50102757004 | 50102757010 | 50104047004 | 50104047010 |
| Sample Type | Units | SFAL | Ecological | | Field Duplicate | | Field Duplicate | | Field Duplicate | | Field Duplicate | | Field Duplicate | | Field Duplicate | | Field Duplicate | | Field Duplicate | | Field Duplicate |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B _{tr} | < 0.50 | < 0.50 | < 5.0 | < 5.0 | < 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 |
| Toluene | µg/L | 2000 ^A | 253 ^B _{tr} | < 1.0 | < 1.0 | < 5.0 | < 5.0 | < 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 |
| Ethylbenzene | µg/L | 1000 ^A | 14 ^{oz} _{tr} ^B | < 0.50 | < 0.50 | < 5.0 | < 5.0 | < 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 |
| Xylene, m & p- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylene, o- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylenes, Total | µg/L | 40000 ^A | 27 ^{oz} _{tr} ^B | < 1.5 | < 1.5 | < 10.0 | < 10.0 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Naphthalene | µg/L | 100 ^A | 13 ^{oz} _{tr} ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^{oz} _{tr} ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 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 | 4840 ^{oz} _{tr} ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 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 | 11000 ^A | 0.035 ^B _{tr} | < 0.10 | < 0.10 | < 0.10 | < 0.10 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 | < 0.10 | < 0.10 |
| Benzo(a)anthracene | µg/L | 0.1 ^A | 0.025 ^{oz} _{tr} ^B | < 0.10 | < 0.10 | < 0.10 | < 0.10 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 | < 0.10 | < 0.10 |
| Benzo(a)pyrene | µg/L | 0.2 ^A | 0.014 ^{oz} _{tr} ^B | < 0.10 | < 0.10 | < 0.10 | < 0.10 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 | < 0.10 | < 0.10 |
| Benzo(b)fluoranthene | µg/L | 0.2 ^A | 9.07 ^{oz} _{tr} ^B | < 0.10 | < 0.10 | < 0.10 | < 0.10 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 | < 0.10 | < 0.10 |
| Benzo(g,h,i)perylene | µg/L | n/v | 7.64 ^{oz} _{tr} ^B | < 0.10 | < 0.10 | < 0.10 | < 0.10 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 | < 0.10 | < 0.10 |
| Benzo(k)fluoranthene | µg/L | 0.2 ^A | n/v | < 0.10 | < 0.10 | < 0.10 | < 0.10 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 | < 0.10 | < 0.10 |
| Chrysene | µg/L | 0.2 ^A | n/v | < 0.50 | < 0.50 | < 0.50 | < 0.50 J | < 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 | 0.3 ^A | n/v | < 0.10 | < 0.10 | < 0.10 | < 0.10 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 | < 0.10 | < 0.10 |
| Fluoranthene | µg/L | n/v | 1.9 ^{oz} _{tr} ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 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 | 1400 ^A | 19 ^{oz} _{tr} ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 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 | 0.4 ^A | 4.31 ^{oz} _{tr} ^B | < 0.10 | < 0.10 | < 0.10 | < 0.10 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 | < 0.10 | < 0.10 |
| Naphthalene | µg/L | 100 ^A | 13 ^{oz} _{tr} ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 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 | 3.6 ^{oz} _{tr} ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 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 | 1100 ^A | 0.3 ^{oz} _{tr} ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 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 |

See notes on last page

TABLE 2
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 | | | | | | | | | | | | | | | |
|----------------------------------|-------|--------------------|---------------------|-------------------|-------------------|----------------|----------------|----------------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--|--|--|--|--|--|--|
| Sample Date | | | | 17-Oct-14 | 17-Oct-14 | 6-Mar-12 | 3-Apr-12 | 15-May-12 | 12-Jun-12 | 27-Jun-12 | 27-Jun-12 | 14-Aug-12 | 4-Sep-12 | 11-Dec-12 | 26-Feb-13 | 15-Mar-13 | 9-Apr-13 | 14-May-13 | 24-Jul-13 | 23-Aug-13 | 25-Sep-13 | | | | | | | |
| Sample ID | | | | BPIT-LEC1A-101714 | BPIT-DUP01-101714 | BPIT-1B-030612 | BPIT-1B-040312 | BPIT-1B-051512 | BPIT-1B-061212 | BPIT-LEC1B-062712 | BPIT-DUP06-062712 | BPIT-LEC1B-081412 | BPIT-LEC1B-090412 | BPIT-LEC1B-121112 | BPIT-LEC1B-022613 | BPIT-LEC1B-031513 | BPIT-LEC1B-040913 | BPIT-LEC1B-051413 | BPIT-LEC1B-072413 | BPIT-LEC1B-082313 | BPIT-LEC1B-092513 | | | | | | | |
| Sampling Company | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | | | | | | | |
| Laboratory | | | USEPA | PACE | PACE | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | | | | | | | |
| Laboratory Work Order | | | Region 5 | 50105553 | 50105553 | 5059490 | 5061000 | 5062957 | 5064373 | 5065213 | 5065213 | 5067503 | 5068540 | 5073543 | 5076736 | 5077586 | 5078625 | 5080418 | 5084068 | 5085669 | 5087438 | | | | | | | |
| Laboratory Sample ID | | | RCRA | 50105553005 | 50105553010 | 5059490008 | 5061000008 | 5062957008 | 5064373007 | 5065213003 | 5065213004 | 5067503004 | 5068540008 | 5073543008 | 5076736008 | 5077586008 | 5078625008 | 5080418008 | 5084068008 | 5085669008 | 5087438008 | | | | | | | |
| Sample Type | Units | SFAL | Ecological | | Field Duplicate | | | | | | Field Duplicate | | | | | | | | | | | | | | | | | |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | | | | | | | |
| Toluene | µg/L | 2000 ^A | 253 ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 5.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | | | | | | | |
| Ethylbenzene | µg/L | 1000 ^A | 14 ^{cz} | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | | | | | | | |
| Xylene, m & p- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Xylene, o- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Xylenes, Total | µg/L | 40000 ^A | 27 ^{cz} | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 10.0 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | | | | | | | |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Naphthalene | µg/L | 100 ^A | 13 ^{cz} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^a | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | | | | | | | |
| Acenaphthylene | µg/L | n/v | 4840 ^b | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | | | | | | | |
| Anthracene | µg/L | 11000 ^A | 0.035 ^B | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | | | | | | | |
| Benzo(a)anthracene | µg/L | 0.1 ^A | 0.025 ^{cz} | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.066 NJ ^B | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | | | | | | | |
| Benzo(a)pyrene | µg/L | 0.2 ^A | 0.014 ⁿ | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.063 NJ ^B | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | | | | | | | |
| Benzo(b)fluoranthene | µg/L | 0.2 ^A | 9.07 ^b | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.11 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | | | | | | | |
| Benzo(g,h,i)perylene | µg/L | n/v | 7.64 ^b | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.077 NJ | < 0.10 | < 0.10 | < 0.10 J | < 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 | < 0.10 | 0.079 NJ | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | | | | | | | |
| Chrysene | µg/L | 0.2 ^A | n/v | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 J | < 0.50 | < 0.50 | < 0.50 J | < 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 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | | | | | | | |
| Fluoranthene | µg/L | n/v | 1.9 ^{tz} | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | | | | | | | |
| Fluorene | µg/L | 1400 ^A | 19 ^d | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | | | | | | | |
| Indeno(1,2,3-cd)pyrene | µg/L | 0.4 ^A | 4.31 ^b | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.068 NJ | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | | | | | | | |
| Naphthalene | µg/L | 100 ^A | 13 ^{cz} | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | | | | | | | |
| Phenanthrene | µg/L | n/v | 3.6 ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | | | | | | | |
| Pyrene | µg/L | 1100 ^A | 0.3 ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | | | | | | | |

See notes on last page

TABLE 2
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 | | | | 1B | | | | | | | | | | 2A | | | | | | | | | |
|----------------------------------|-------|--------------------|---------------------|-------------------|-------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----------------|------------------|------------------|------------------|------------------|-----------|-----------|-----------|-----------|--|
| Sample Date | | | | 17-Oct-13 | 13-Nov-13 | 17-Mar-14 | 21-Apr-14 | 21-May-14 | 16-Jun-14 | 18-Jul-14 | 25-Aug-14 | 19-Sep-14 | 17-Oct-14 | 27-Dec-00 | 2-Apr-01 | 14-Jun-01 | 5-Jul-01 | 10-Aug-01 | 11-Oct-01 | 29-Jan-02 | 11-Mar-02 | 28-May-02 | |
| Sample ID | | | | BPIT-LEC1B-101713 | BPIT-LEC1B-111313 | BPIT-LEC 1B-031714 | BPIT-LEC 1B-042114 | BPIT-LEC1B-052114 | BPIT-LEC1B-061614 | BPIT-LEC1B-071814 | BPIT_LEC1B-082514 | BPIT-LEC1B-091914 | BPIT-LEC1B-101714 | SURFACE WATER-2 | SS#215 SURFACE-2 | SS#215 SURFACE-2 | SS#215 SURFACE-2 | SS#216 SURFACE-2 | CREEK#2 | SURFACE-2 | SURF-2 | CREEK-2 | |
| Sampling Company | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | BP | BP | BP | BP | BP | BP | BP | BP | BP | |
| Laboratory | | | USEPA | PIII | PIII | PIII | PII | PACE | PACE | PACE | PACE | PACE | PACE | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | |
| Laboratory Work Order | | | Region 5 | 5088520 | 5089822 | 5094734 | 5096521 | 5098077 | 5099367 | 50101099 | 50102757 | 50104047 | 50105553 | 5012893 | 5014085 | 5015175 | 5015506 | 5016055 | 5017080 | 5018831 | 5019424 | 5020591 | |
| Laboratory Sample ID | | | RCRA | 5088520008 | 5089822008 | 5094734010 | 5096521008 | 5098077008 | 5099367008 | 50101099008 | 50102757008 | 50104047008 | 50105553008 | 50852979 | 50981240 | 501095145 | 501128631 | 501187264 | 501294482 | 501481949 | 501555890 | 501681696 | |
| Sample Type | Units | SFAL | Ecological | | | | | | | | | | | | | | | | | | | | |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 33. | 17. | < 1.0 | 51. | < 1.0 | 15. | 5.8 | 69. | |
| Toluene | µg/L | 2000 ^A | 253 ^B | < 1.0 | < 5.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 0.50 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | |
| Ethylbenzene | µg/L | 1000 ^A | 14 ^{ac} | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 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 | - | - | - | - | - | - | - | - | - | - | < 0.50 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | |
| Xylene, o- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | < 0.50 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | |
| Xylenes, Total | µg/L | 40000 ^A | 27 ^{ac} | < 1.5 | < 10.0 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | - | - | - | - | - | - | - | - | - | |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | < 1.0 | < 4.0 | < 4.0 | < 4.0 | < 4.0 | < 4.0 | < 4.0 | < 4.0 | < 4.0 | |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^a | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - | - | - | - | - | - | - | - | - | |
| Acenaphthylene | µg/L | n/v | 4840 ^b | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - | - | - | - | - | - | - | - | - | |
| Anthracene | µg/L | 11000 ^A | 0.035 ^B | < 0.10 J | < 0.10 J | < 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} | < 0.10 J | < 0.10 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 | 0.014 ⁿ | < 0.10 J | < 0.10 J | < 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 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | 0.051 NJ | < 0.10 | < 0.10 | < 0.10 | < 0.10 | - | - | - | - | - | - | - | - | - | |
| Benzo(g,h,i)perylene | µg/L | n/v | 7.64 ^b | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | 0.055 NJ | < 0.10 | < 0.10 | < 0.10 | < 0.10 | - | - | - | - | - | - | - | - | - | |
| Benzo(k)fluoranthene | µg/L | 0.2 ^A | n/v | < 0.10 J | < 0.10 J | < 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 J | < 0.50 J | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | - | - | - | - | - | - | - | - | - | |
| Dibenzo(a,h)anthracene | µg/L | 0.3 ^A | n/v | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | - | - | - | - | - | - | - | - | - | |
| Fluoranthene | µg/L | n/v | 1.9 ^{cz} | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - | - | - | - | - | - | - | - | - | |
| Fluorene | µg/L | 1400 ^A | 19 ^d | < 1.0 J | < 1.0 J | < 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 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | - | - | - | - | - | - | - | - | - | |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - | - | - | - | - | - | - | - | - | |
| Phenanthrene | µg/L | n/v | 3.6 ^b | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - | - | - | - | - | - | - | - | - | |
| Pyrene | µg/L | 1100 ^A | 0.3 ^a | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - | - | - | - | - | - | - | - | - | |

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TABLE 2
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 | | | | 2A | | | | | | | | | | | | | | | | | |
|----------------------------------|-------|--------------------|----------------------------------|-----------|-----------|-----------|-----------|------------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date | | | | 25-Jul-02 | 25-Sep-02 | 27-Nov-02 | 25-Mar-03 | 28-May-03 | 23-Jul-03 | 28-Jan-04 | 15-Apr-04 | 15-Jun-04 | 24-Aug-04 | 20-Oct-04 | 30-Dec-04 | 24-Feb-05 | 12-May-05 | 8-Jul-05 | 30-Sep-05 | 10-Nov-05 | 18-Jan-06 |
| Sample ID | | | | 2-B | 2-A | 2-A | 2-A | 2A:W052803 | 2A:W072303 | 2A:W012804 | 2-A | 2A:W061504 | 2A:W082404 | 2A:W102004 | 2A:W123004 | 2A:W022405 | 2A:W051205 | 2A:W070805 | 2A:W093005 | 2A:W111005 | 2A:W011806 |
| Sampling Company | | | | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP |
| Laboratory | | | USEPA | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII |
| Laboratory Work Order | | | Region 5 | 5021631 | 5022710 | 5023962 | 5026190 | 5027622 | 5029002 | 5033009 | 5034825 | 5036363 | 5038107 | 5039682 | 5041190 | 5042299 | 5043959 | 5045397 | 5047586 | 5048774 | 5050467 |
| Laboratory Sample ID | | | RCRA | 501793194 | 501905111 | 502041502 | 502294507 | 502463722 | 502627581 | 503119059 | 503330441 | 503522229 | 503740094 | 503934655 | 504125600 | 504264805 | 504475419 | 504661455 | 504934001 | 505080028 | 505298604 |
| Sample Type | Units | SFAL | Ecological | | | | | | | | | | | | | | | | | | |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B | 41. | 24. | 13. | 11. | 34. | 13. | 18. | 39. | 9.6 | 28. | 9.1 | 1.8 | 14. | 19. | 32. | 4.5 | 15. | 1.4 |
| Toluene | µg/L | 2000 ^A | 253 ^B | 0.53 | < 0.50 | < 0.50 | 0.55 | 0.63 B | < 1.0 | < 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 ^{ac} ^B | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 0.79 | < 0.50 | < 0.50 | < 0.50 | 1.5 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 0.75 | < 0.50 | < 0.50 | |
| Xylene, m & p- | µg/L | n/v | n/v | < 0.50 | < 0.50 | 0.59 | < 0.50 | 1.6 | < 0.50 | < 1.0 | < 1.0 | < 1.0 | 1.2 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | 2.0 | - | < 1.0 | |
| Xylene, o- | µg/L | n/v | n/v | < 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 | |
| Xylenes, Total | µg/L | 40000 ^A | 27 ^{ac} ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | < 1.5 | - | |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | - | - | - | - | - | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | 1.8 | < 1.0 | < 1.0 | |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} ^B | < 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 | |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^a ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Acenaphthylene | µg/L | n/v | 4840 ^b ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Anthracene | µg/L | 11000 ^A | 0.035 ^a ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Benzo(a)anthracene | µg/L | 0.1 ^A | 0.025 ^{c2} ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Benzo(a)pyrene | µg/L | 0.2 ^A | 0.014 ⁿ ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Benzo(b)fluoranthene | µg/L | 0.2 ^A | 9.07 ^b ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Benzo(g,h,i)perylene | µg/L | n/v | 7.64 ^b ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Benzo(k)fluoranthene | µg/L | 0.2 ^A | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Chrysene | µg/L | 0.2 ^A | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Dibenzo(a,h)anthracene | µg/L | 0.3 ^A | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Fluoranthene | µg/L | n/v | 1.9 ^{tz} ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Fluorene | µg/L | 1400 ^A | 19 ^d ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Indeno(1,2,3-cd)pyrene | µg/L | 0.4 ^A | 4.31 ^b ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Phenanthrene | µg/L | n/v | 3.6 ^a ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Pyrene | µg/L | 1100 ^A | 0.3 ^a ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

See notes on last page

TABLE 2
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 | | | | | | | | | | | | 2A | | | | | | | | | |
|----------------------------------|-------|--------------------|----------------------------------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date | | | | 30-Mar-06 | 24-May-06 | 27-Jul-06 | 21-Sep-06 | 30-Jan-07 | 21-Mar-07 | 31-May-07 | 31-Jul-07 | 13-Sep-07 | 25-Jun-08 | 22-Sep-08 | 30-Dec-08 | 26-Mar-09 | 29-Jul-09 | 15-Oct-09 | 20-Jan-10 | 6-May-10 | 3-Nov-10 |
| Sample ID | | | | 2A:W033006 | 2A:W052406 | 2A:W072706 | 2A:W092106 | 2A | 2A | 2A | 2A | 2A | 2A | 2A | 2A | 2A | Downstream | Downstream | Downstream | Downstream | Downstream |
| Sampling Company | | | | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP |
| Laboratory | | | USEPA | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII |
| Laboratory Work Order | | | Region 5 | 5052061 | 5053408 | 5054931 | 5056348 | 501046 | 502323 | 504194 | 505893 | 507210 | 5016219 | 5019112 | 5022178 | 5024682 | 5028760 | 5031299 | 5034067 | 5037259 | 5043166 |
| Laboratory Sample ID | | | RCRA | 505513713 | 505674903 | 505862615 | 506038280 | 501046002 | 502323003 | 504194003 | 505893002 | 507210003 | 5016219002 | 5019112002 | 5022178002 | 5024682002 | 5028760001 | 5031299003 | 5034067001 | 5037259001 | 5043166001 |
| Sample Type | Units | SFAL | Ecological | | | | | | | | | | | | | | | | | | |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B | 7.8 | 11.0 | 4.8 | 1.1 | 14.3 | 4.6 | 27.5 | 21.3 | 11.6 | 16.4 | 19.4 | 2.0 | 3.5 | 3.8 | 2.1 | 4.4 | 3.9 | 11.8 |
| Toluene | µg/L | 2000 ^A | 253 ^B | < 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 | < 1.0 |
| Ethylbenzene | µg/L | 1000 ^A | 14 ^{ac} ^B | < 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 | < 0.50 |
| Xylene, m & p- | µg/L | n/v | n/v | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylene, o- | µg/L | n/v | n/v | < 0.50 | < 0.50 | < 0.50 | < 0.50 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylenes, Total | µg/L | 40000 ^A | 27 ^{ac} ^B | - | - | - | - | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | < 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 | < 1.0 |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} ^B | < 1.0 | < 1.0 | 1.3 | < 1.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^a ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Acenaphthylene | µg/L | n/v | 4840 ^b ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Anthracene | µg/L | 11000 ^A | 0.035 ^a ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(a)anthracene | µg/L | 0.1 ^A | 0.025 ^{c2} ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(a)pyrene | µg/L | 0.2 ^A | 0.014 ⁿ ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(b)fluoranthene | µg/L | 0.2 ^A | 9.07 ^b ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(g,h,i)perylene | µg/L | n/v | 7.64 ^b ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(k)fluoranthene | µg/L | 0.2 ^A | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Chrysene | µg/L | 0.2 ^A | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Dibenzo(a,h)anthracene | µg/L | 0.3 ^A | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Fluoranthene | µg/L | n/v | 1.9 ^a ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Fluorene | µg/L | 1400 ^A | 19 ^d ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Indeno(1,2,3-cd)pyrene | µg/L | 0.4 ^A | 4.31 ^b ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Phenanthrene | µg/L | n/v | 3.6 ^a ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Pyrene | µg/L | 1100 ^A | 0.3 ^a ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

See notes on last page

TABLE 2
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 | | | | 2A | | | | | | | | | | | | | | | | | |
|----------------------------------|-------|--------------------|---------------------|------------|------------|------------|--|-----------------|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Sample Date | | | | 2-Mar-11 | 25-May-11 | 31-Aug-11 | 8-Dec-11 BPIT- DOWNSTREAM- 120811 | 7-Feb-12 | 14-Feb-12 | 22-Feb-12 | 28-Feb-12 | 6-Mar-12 | 14-Mar-12 | 3-Apr-12 | 15-May-12 | 12-Jun-12 | 25-Jun-12 | 14-Aug-12 | 4-Sep-12 | 11-Dec-12 | 26-Feb-13 |
| Sample ID | | | | Downstream | Downstream | Downstream | DOWNSTREAM- 120811 | BP-IT-2A-020712 | BPIT-2A-021412 | BPIT-2A-022212 | BPIT-2A-022812 | BPIT-2A-030612 | BPIT-2A-031412 | BPIT-2A-040312 | BPIT-2A-051512 | BPIT-2A-061212 | BPIT-LEC2A- 062512S | BPIT-LEC2A- 081412 | BPIT-LEC2A- 090412 | BPIT-LEC2A- 121112 | BPIT-LEC2A- 022613 |
| Sampling Company | | | USEPA | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | Region 5 | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII |
| Laboratory Work Order | | | RCRA | 5046351 | 5049053 | 5052233 | 5055736 | 5058232 | 5058509 | 5058904 | 5059171 | 5059490 | 5059979 | 5061000 | 5062957 | 5064373 | 5065060 | 5067503 | 5068540 | 5073543 | 5076736 |
| Laboratory Sample ID | | | | 5046351001 | 5049053001 | 5052233001 | 5055736002 | 5058232002 | 5058509002 | 5058904002 | 5059171002 | 5059490002 | 5059979002 | 5061000002 | 5062957002 | 5064373001 | 5065060003 | 5067503007 | 5068540002 | 5073543002 | 5076736002 |
| Sample Type | Units | SFAL | Ecological | | | | | | | | | | | | | | | | | | |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B | 2.2 | 6.8 | < 0.50 | 3.4 | 5.3 | 6.6 | 4.5 | 8.7 | 4.6 | 4.4 | < 0.50 | 5.9 | < 0.50 | 1.4 | < 0.50 | < 5.0 | < 0.50 | < 0.50 |
| Toluene | µg/L | 2000 ^A | 253 ^B | < 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 | < 5.0 | < 1.0 | < 1.0 |
| Ethylbenzene | µg/L | 1000 ^A | 14 ^{ac} | < 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 | < 5.0 | < 0.50 | < 0.50 |
| Xylene, m & p- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylene, o- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylenes, Total | µg/L | 40000 ^A | 27 ^{ac} | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 10.0 | < 1.5 | < 1.5 |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^a | - | - | < 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 J | < 1.0 J |
| Acenaphthylene | µg/L | n/v | 4840 ^b | - | - | < 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 J | < 1.0 J |
| Anthracene | µg/L | 11000 ^A | 0.035 ^B | - | - | < 0.10 | - | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.052 NJ ^B | < 0.10 | < 0.10 J |
| Benzo(a)anthracene | µg/L | 0.1 ^A | 0.025 ^{ac} | - | - | < 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 | 0.055 NJ ^B | 0.061 NJ ^B |
| Benzo(a)pyrene | µg/L | 0.2 ^A | 0.014 ^h | - | - | < 0.10 | - | < 0.10 | 0.061 NJ ^B | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.068 NJ ^B |
| Benzo(b)fluoranthene | µg/L | 0.2 ^A | 9.07 ^b | - | - | < 0.10 | - | < 0.10 | 0.11 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.057 NJ | 0.14 J |
| Benzo(g,h,i)perylene | µg/L | n/v | 7.64 ^b | - | - | < 0.10 | - | < 0.10 | 0.082 NJ | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.050 NJ | 0.091 NJ |
| Benzo(k)fluoranthene | µg/L | 0.2 ^A | n/v | - | - | < 0.10 | - | < 0.10 | 0.083 NJ | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.055 NJ | 0.086 NJ |
| Chrysene | µg/L | 0.2 ^A | n/v | - | - | < 0.50 | - | < 0.51 | < 0.51 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.51 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 J | < 0.50 J |
| 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 | < 0.10 | < 0.10 | < 0.10 | 0.050 NJ | < 0.10 J |
| Fluoranthene | µg/L | n/v | 1.9 ^{tz} | - | - | < 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 J | < 1.0 J |
| Fluorene | µg/L | 1400 ^A | 19 ^a | - | - | < 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 J | < 1.0 J |
| Indeno(1,2,3-cd)pyrene | µg/L | 0.4 ^A | 4.31 ^b | - | - | < 0.10 | - | < 0.10 | 0.067 NJ | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.056 NJ | 0.072 NJ |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} | - | - | < 1.0 | - | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | 1.2 | < 1.0 J | < 1.0 J |
| Phenanthrene | µg/L | n/v | 3.6 ^B | - | - | < 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 J | < 1.0 J |
| Pyrene | µg/L | 1100 ^A | 0.3 ^{ac} | - | - | < 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 J | < 1.0 J |

See notes on last page

TABLE 2
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 | | | | 2A | | | | | | | | | | | | | | | | 2B | | |
|----------------------------------|-------|--------------------|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------------|----------------|----------------|
| Sample Date | | | | 15-Mar-13 | 9-Apr-13 | 14-May-13 | 24-Jul-13 | 23-Aug-13 | 25-Sep-13 | 17-Oct-13 | 13-Nov-13 | 17-Mar-14 | 21-Apr-14 | 21-May-14 | 16-Jun-14 | 18-Jul-14 | 25-Aug-14 | 19-Sep-14 | 17-Oct-14 | 6-Mar-12 | 3-Apr-12 | 15-May-12 |
| Sample ID | | | | BPIT-LEC2A-031513 | BPIT-LEC2A-040913 | BPIT-LEC2A-051413 | BPIT-LEC2A-072413 | BPIT-LEC2A-082313 | BPIT-LEC2A-092513 | BPIT-LEC2A-101713 | BPIT-LEC2A-111313 | BPIT-LEC 2A-031714 | BPIT-LEC 2A-042114 | BPIT-LEC2A-052114 | BPIT-LEC2A-061614 | BPIT-LEC2A-071814 | BPIT_LEC2A-082514 | BPIT-LEC2A-091914 | BPIT-LEC2A-101714 | BPIT-2B-030612 | BPIT-2B-040312 | BPIT-2B-051512 |
| Sampling Company | | | USEPA | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | Region 5 | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PII | PACE | PACE | PACE | PACE | PACE | PACE | PIII | PIII | PIII |
| Laboratory Work Order | | | RCRA | 5077586 | 5078625 | 5080418 | 5084068 | 5085669 | 5087438 | 5088520 | 5089822 | 5094734 | 5096521 | 5098077 | 5099367 | 50101099 | 50102757 | 50104047 | 50105553 | 5059490 | 5061000 | 5062957 |
| Laboratory Sample ID | | | | 5077586002 | 5078625002 | 5080418002 | 5084068002 | 5085669002 | 5087438002 | 5088520002 | 5089822002 | 5094734004 | 5096521002 | 5098077002 | 5099367002 | 50101099002 | 50102757002 | 50104047002 | 50105553002 | 5059490007 | 5061000007 | 5062957007 |
| Sample Type | Units | SFAL | Ecological | | | | | | | | | | | | | | | | | | | |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | 0.38 J | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Toluene | µg/L | 2000 ^A | 253 ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 5.0 | < 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 ^{ac} | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Xylene, m & p- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylene, o- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylenes, Total | µg/L | 40000 ^A | 27 ^{ac} | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 10.0 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^B | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 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 | 4840 ^B | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 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 | 11000 ^A | 0.035 ^B | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 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 | 0.1 ^A | 0.025 ^{ac} | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 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)pyrene | µg/L | 0.2 ^A | 0.014 ^{ac} | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 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(b)fluoranthene | µg/L | 0.2 ^A | 9.07 ^B | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 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(g,h,i)perylene | µg/L | n/v | 7.64 ^B | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 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(k)fluoranthene | µg/L | 0.2 ^A | n/v | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 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 |
| Chrysene | µg/L | 0.2 ^A | n/v | < 0.50 | < 0.50 J | < 0.50 | < 0.50 | < 0.50 J | < 0.50 | < 0.50 J | < 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 | 0.3 ^A | n/v | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 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 |
| Fluoranthene | µg/L | n/v | 1.9 ^B | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 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 | 1400 ^A | 19 ^B | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 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 | 0.4 ^A | 4.31 ^B | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 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 |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 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 | 3.6 ^B | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 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 | 1100 ^A | 0.3 ^B | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 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
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 | | | | | 12-Jun-12 | 27-Jun-12 | 27-Jun-12 | 14-Aug-12 | 4-Sep-12 | 11-Dec-12 | 26-Feb-13 | 15-Mar-13 | 28 | 14-May-13 | 24-Jul-13 | 23-Aug-13 | 25-Sep-13 | 17-Oct-13 | 13-Nov-13 | 17-Mar-14 | 21-Apr-14 |
|----------------------------------|-------|--------------------|----------------------------------|---------|----------------|-------------------|-------------------|-------------------|-------------------|-----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|
| Sample Date | | | | | BPIT-2B-061212 | BPIT-LEC2B-062712 | BPIT-DUP05-062712 | BPIT-LEC2B-081412 | BPIT-LEC2B-090412 | BPIT-LEC2B-121112 | BPIT-LEC2B-022613 | BPIT-LEC2B-031513 | BPIT-LEC2B-040913 | BPIT-LEC2B-051413 | BPIT-LEC2B-072413 | BPIT-LEC2B-082313 | BPIT-LEC2B-092513 | BPIT-LEC2B-101713 | BPIT-LEC2B-111313 | BPIT-LEC 2B-031714 | BPIT-LEC 2B-042114 |
| Sample ID | | | | | | | | | | | | | | | | | | | | | |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | USEPA | | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PII |
| Laboratory Work Order | | | Region 5 | | 5064373 | 5065213 | 5065213 | 5067503 | 5068540 | 5073543 | 5076736 | 5077586 | 5078625 | 5080418 | 5084068 | 5085669 | 5087438 | 5088520 | 5089822 | 5094734 | 5096521 |
| Laboratory Sample ID | | | RCRA | | 5064373006 | 5065213001 | 5065213002 | 5067503003 | 5068540007 | 5073543007 | 5076736007 | 5077586007 | 5078625007 | 5080418007 | 5084068007 | 5085669007 | 5087438007 | 5088520007 | 5089822007 | 5094734009 | 5096521007 |
| Sample Type | Units | SFAL | Ecological | | | | Field Duplicate | | | | | | | | | | | | | | |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 |
| Toluene | µg/L | 2000 ^A | 253 ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 5.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 5.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene | µg/L | 1000 ^A | 14 ^{oz} ^B | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 |
| Xylene, m & p- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylene, o- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylenes, Total | µg/L | 40000 ^A | 27 ^{oz} ^B | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 10.0 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 10.0 | < 1.5 | < 1.5 | < 1.5 |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Naphthalene | µg/L | 100 ^A | 13 ^{oz} ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^{oz} ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 |
| Acenaphthylene | µg/L | n/v | 4840 ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 |
| Anthracene | µg/L | 11000 ^A | 0.035 ^{oz} ^B | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 |
| Benzo(a)anthracene | µg/L | 0.1 ^A | 0.025 ^{oz} ^B | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.054 NJ ^B | < 0.10 J | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 |
| Benzo(a)pyrene | µg/L | 0.2 ^A | 0.014 ^{oz} ^B | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 |
| Benzo(b)fluoranthene | µg/L | 0.2 ^A | 9.07 ^{oz} ^B | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.068 NJ | < 0.10 J | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 |
| Benzo(g,h,i)perylene | µg/L | n/v | 7.64 ^{oz} ^B | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.072 NJ | < 0.10 J | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 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 | 0.075 NJ | < 0.10 J | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 |
| Chrysene | µg/L | 0.2 ^A | n/v | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 J | < 0.50 | < 0.50 | < 0.50 J | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 J | < 0.50 J | < 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 | 0.071 NJ | < 0.10 J | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 |
| Fluoranthene | µg/L | n/v | 1.9 ^{oz} ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 |
| Fluorene | µg/L | 1400 ^A | 19 ^{oz} ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 |
| Indeno(1,2,3-cd)pyrene | µg/L | 0.4 ^A | 4.31 ^{oz} ^B | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.079 NJ | < 0.10 J | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 |
| Naphthalene | µg/L | 100 ^A | 13 ^{oz} ^B | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | 1.2 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 |
| Phenanthrene | µg/L | n/v | 3.6 ^{oz} ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 |
| Pyrene | µg/L | 1100 ^A | 0.3 ^{oz} ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 |

See notes on last page

TABLE 2
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 | | | | 2B | | | | | | 3A | | | | | | | | | | | |
|----------------------------------|-------|--------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----------------|-----------|-----------|-----------|------------|------------|------------|-----------|------------|------------|------------|------------|
| Sample Date | | | | 21-May-14 | 16-Jun-14 | 18-Jul-14 | 25-Aug-14 | 19-Sep-14 | 17-Oct-14 | 27-Dec-00 | 11-Mar-02 | 28-May-02 | 25-Mar-03 | 28-May-03 | 23-Jul-03 | 28-Jan-04 | 15-Apr-04 | 15-Jun-04 | 24-Aug-04 | 20-Oct-04 | 30-Dec-04 |
| Sample ID | | | | BPIT-LEC2B-052114 | BPIT-LEC2B-061614 | BPIT-LEC2B-071814 | BPIT-LEC2B-082514 | BPIT-LEC2B-091914 | BPIT-LEC2B-101714 | SURFACE WATER-3 | SURF-3 | CREEK-3 | 3-A | 3A:W052803 | 3A:W072303 | 3A:W012804 | 3-A | 3A:W061504 | 3A:W082404 | 3A:W102004 | 3A:W123004 |
| Sampling Company | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP |
| Laboratory | | | USEPA | PACE | PACE | PACE | PACE | PACE | PACE | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII |
| Laboratory Work Order | | | Region 5 | 5098077 | 5099367 | 50101099 | 50102757 | 50104047 | 50105553 | 5012893 | 5019424 | 5020591 | 5026190 | 5027622 | 5029002 | 5033009 | 5034825 | 5036363 | 5038107 | 5039682 | 5041190 |
| Laboratory Sample ID | | | RCRA | 5098077007 | 5099367007 | 50101099007 | 50102757007 | 50104047007 | 50105553007 | 50852987 | 501555908 | 501681704 | 502294515 | 502463730 | 502627599 | 503119067 | 503330458 | 503522237 | 503740102 | 503934663 | 504125618 |
| Sample Type | Units | SFAL | Ecological | | | | | | | | | | | | | | | | | | |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 27. | 45. | 7.3 | < 0.50 | 0.59 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Toluene | µg/L | 2000 ^A | 253 ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 0.50 | < 5.0 | < 5.0 | < 0.50 | < 0.50 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene | µg/L | 1000 ^A | 14 ^{cz} ^B | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 5.0 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Xylene, m & p- | µg/L | n/v | n/v | - | - | - | - | - | - | < 0.50 | < 5.0 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Xylene, o- | µg/L | n/v | n/v | - | - | - | - | - | - | < 0.50 | < 5.0 | < 5.0 | < 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 ^{cz} ^B | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | - | - | - | - | - | - | - | - | - | - | - | - |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | - | - | - | - | - | - | < 1.0 | < 4.0 | < 4.0 | - | - | - | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Naphthalene | µg/L | 100 ^A | 13 ^{cz} ^B | - | - | - | - | - | - | - | - | - | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - | < 1.0 | < 1.0 |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^g ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - | - | - | - | - | - | - | - | - | - | - | - |
| Acenaphthylene | µg/L | n/v | 4840 ^b ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - | - | - | - | - | - | - | - | - | - | - | - |
| Anthracene | µg/L | 11000 ^A | 0.035 ^g ^B | < 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 | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(a)pyrene | µg/L | 0.2 ^A | 0.014 ^h ^B | < 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 | - | - | - | - | - | - | - | - | - | - | - | - |
| 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 | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(k)fluoranthene | µg/L | 0.2 ^A | n/v | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | - | - | - | - | - | - | - | - | - | - | - | - |
| Chrysene | µg/L | 0.2 ^A | n/v | < 0.50 | < 0.50 | < 0.50 | < 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 | - | - | - | - | - | - | - | - | - | - | - | - |
| Fluoranthene | µg/L | n/v | 1.9 ^g ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - | - | - | - | - | - | - | - | - | - | - | - |
| Fluorene | µg/L | 1400 ^A | 19 ^g ^B | < 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 | - | - | - | - | - | - | - | - | - | - | - | - |
| Naphthalene | µg/L | 100 ^A | 13 ^{cz} ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - | - | - | - | - | - | - | - | - | - | - | - |
| Phenanthrene | µg/L | n/v | 3.6 ^g ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - | - | - | - | - | - | - | - | - | - | - | - |
| Pyrene | µg/L | 1100 ^A | 0.3 ^g ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - | - | - | - | - | - | - | - | - | - | - | - |

See notes on last page

TABLE 2
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 | | | | | | | | | | | | | 3A | | | | | | | | |
|----------------------------------|-------|--------------------|----------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|
| Sample Date | | | | 24-Feb-05 | 12-May-05 | 8-Jul-05 | 30-Sep-05 | 10-Nov-05 | 18-Jan-06 | 30-Mar-06 | 24-May-06 | 27-Jul-06 | 21-Sep-06 | 30-Jan-07 | 21-Mar-07 | 31-May-07 | 31-Jul-07 | 13-Sep-07 | 25-Jun-08 | 22-Sep-08 | 30-Dec-08 |
| Sample ID | | | | 3A:W022405 | 3A:W051205 | 3A:W070805 | 3A:W093005 | 3A:W111005 | 3A:W011806 | 3A:W033006 | 3A:W052406 | 3A:W072706 | 3A:W092106 | 3A | 3A | 3A | 3A | 3A | 3A | 3A | 3A |
| Sampling Company | | | | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP | BP |
| Laboratory | | | USEPA | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII |
| Laboratory Work Order | | | Region 5 | 5042299 | 5043959 | 5045397 | 5047586 | 5048774 | 5050467 | 5052061 | 5053408 | 5054931 | 5056348 | 501046 | 502323 | 504194 | 505893 | 507210 | 5016219 | 5019112 | 5022178 |
| Laboratory Sample ID | | | RCRA | 504264813 | 504475427 | 504661463 | 504934019 | 505080044 | 505298612 | 505513721 | 505674911 | 505862623 | 506038298 | 501046003 | 502323004 | 504194004 | 505893003 | 507210004 | 5016219003 | 5019112003 | 5022178003 |
| Sample Type | Units | SFAL | Ecological | | | | | | | | | | | | | | | | | | |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Toluene | µg/L | 2000 ^A | 253 ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 2.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene | µg/L | 1000 ^A | 14 ^{ac} ^B | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Xylene, m & p- | µg/L | n/v | n/v | < 1.0 | < 1.0 | < 1.0 | - | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 2.0 | < 1.0 | - | - | - | - | - | - | - | - |
| Xylene, o- | µg/L | n/v | n/v | < 0.50 | < 0.50 | < 0.50 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.0 | < 0.50 | - | - | - | - | - | - | - | - |
| Xylenes, Total | µg/L | 40000 ^A | 27 ^{ac} ^B | - | - | - | < 1.5 | - | - | - | - | - | - | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 2.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} ^B | < 1.0 | < 1.0 | < 1.0 | - | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 2.0 | < 1.0 | - | - | - | - | - | - | - | - |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^a ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Acenaphthylene | µg/L | n/v | 4840 ^b ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Anthracene | µg/L | 11000 ^A | 0.035 ^a ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(a)anthracene | µg/L | 0.1 ^A | 0.025 ^{c2} ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(a)pyrene | µg/L | 0.2 ^A | 0.014 ⁿ ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(b)fluoranthene | µg/L | 0.2 ^A | 9.07 ^b ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(g,h,i)perylene | µg/L | n/v | 7.64 ^b ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(k)fluoranthene | µg/L | 0.2 ^A | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Chrysene | µg/L | 0.2 ^A | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Dibenzo(a,h)anthracene | µg/L | 0.3 ^A | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Fluoranthene | µg/L | n/v | 1.9 ^a ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Fluorene | µg/L | 1400 ^A | 19 ^d ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Indeno(1,2,3-cd)pyrene | µg/L | 0.4 ^A | 4.31 ^b ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Phenanthrene | µg/L | n/v | 3.6 ^a ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Pyrene | µg/L | 1100 ^A | 0.3 ^a ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

See notes on last page

TABLE 2
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 | | | | | | | | | | | | 3A | | | | | | | | |
|----------------------------------|-------|--------------------|---------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|----------------------|-----------------|----------------------|----------------|----------------|----------------|----------------|----------------|
| Sample Date | | | | 26-Mar-09 | 29-Jul-09 | 15-Oct-09 | 20-Jan-10 | 6-May-10 | 3-Nov-10 | 2-Mar-11 | 25-May-11 | 31-Aug-11 | 8-Dec-11 | 7-Feb-12 | 14-Feb-12 | 22-Feb-12 | 28-Feb-12 | 6-Mar-12 | 14-Mar-12 | 3-Apr-12 |
| Sample ID | | | | 3A | UPSTREAM | UPSTREAM | UPSTREAM | UPSTREAM | UPSTREAM | UPSTREAM | UPSTREAM | UPSTREAM | BPIT-UPSTREAM-120811 | BP-IT-3A-020712 | BPIT-3A-021412 | BPIT-3A-022212 | BPIT-3A-022812 | BPIT-3A-030612 | BPIT-3A-031412 | BPIT-3A-040312 |
| Sampling Company | | | | BP | BP | BP | BP | BP | BP | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | USEPA | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII |
| Laboratory Work Order | | | Region 5 | 5024682 | 5028760 | 5031299 | 5034067 | 5037259 | 5043166 | 5046351 | 5049053 | 5052233 | 5055736 | 5058232 | 5058509 | 5058904 | 5059171 | 5059490 | 5059979 | 5061000 |
| Laboratory Sample ID | | | RCRA | 5024682003 | 5028760003 | 5031299001 | 5034067003 | 5037259003 | 5043166003 | 5046351003 | 5049053003 | 5052233003 | 5055736001 | 5058232003 | 5058509003 | 5058904003 | 5059171003 | 5059490009 | 5059979003 | 5061000009 |
| Sample Type | Units | SFAL | Ecological | | | | | | | | | | | | | | | | | |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B | < 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 J |
| Toluene | µg/L | 2000 ^A | 253 ^B | < 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 J |
| Ethylbenzene | µg/L | 1000 ^A | 14 ^{ac} | < 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 J |
| Xylene, m & p- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylene, o- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylenes, Total | µg/L | 40000 ^A | 27 ^{ac} | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 J |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - | - | - | - | - | - | - |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^{ac} | - | - | - | - | - | - | - | - | < 1.0 | - | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Acenaphthylene | µg/L | n/v | 4840 ^B | - | - | - | - | - | - | - | - | < 1.0 | - | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Anthracene | µg/L | 11000 ^A | 0.035 ^B | - | - | - | - | - | - | - | - | < 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 ^{ac} | - | - | - | - | - | - | - | - | < 0.10 | - | < 0.10 | 0.11 ^{AB} | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Benzo(a)pyrene | µg/L | 0.2 ^A | 0.014 ^B | - | - | - | - | - | - | - | - | < 0.10 | - | < 0.10 | 0.20 ^B | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Benzo(b)fluoranthene | µg/L | 0.2 ^A | 9.07 ^B | - | - | - | - | - | - | - | - | < 0.10 | - | < 0.10 | 0.37 ^A | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Benzo(g,h,i)perylene | µg/L | n/v | 7.64 ^B | - | - | - | - | - | - | - | - | < 0.10 | - | < 0.10 | 0.26 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Benzo(k)fluoranthene | µg/L | 0.2 ^A | n/v | - | - | - | - | - | - | - | - | < 0.10 | - | < 0.10 | 0.26 ^A | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Chrysene | µg/L | 0.2 ^A | n/v | - | - | n/v | - | - | - | - | - | < 0.50 | - | < 0.51 | 0.40 NJ ^A | < 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 | 0.060 NJ | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Fluoranthene | µg/L | n/v | 1.9 ^{ac} | - | - | - | - | - | - | - | - | < 1.0 | - | < 1.0 | 0.96 NJ | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Fluorene | µg/L | 1400 ^A | 19 ^d | - | - | - | - | - | - | - | - | < 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 | - | - | - | - | - | - | - | - | < 0.10 | - | < 0.10 | 0.22 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} | - | - | - | - | - | - | - | - | < 1.0 | - | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Phenanthrene | µg/L | n/v | 3.6 ^B | - | - | - | - | - | - | - | - | < 1.0 | - | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Pyrene | µg/L | 1100 ^A | 0.3 ^{ac} | - | - | - | - | - | - | - | - | < 1.0 | - | < 1.0 | 0.61 NJ ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |

See notes on last page

TABLE 2
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 | | | | | | | | | | | | 3A | | | | | | | | |
|----------------------------------|-------|--------------------|--------------------|----------------|----------------|---------------------|-------------------|-----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|
| Sample Date | | | | 15-May-12 | 12-Jun-12 | 27-Jun-12 | 14-Aug-12 | 4-Sep-12 | 11-Dec-12 | 26-Feb-13 | 15-Mar-13 | 9-Apr-13 | 14-May-13 | 24-Jul-13 | 23-Aug-13 | 25-Sep-13 | 17-Oct-13 | 13-Nov-13 | 17-Mar-14 | 21-Apr-14 |
| Sample ID | | | | BPIT-3A-051512 | BPIT-3A-061212 | BPIT-LEC3A-062712 S | BPIT-LEC3A-081412 | BPIT-LEC3A-090412 | BPIT-LEC3A-121112 | BPIT-LEC3A-022613 | BPIT-LEC3A-031513 | BPIT-LEC3A-040913 | BPIT-LEC3A-051413 | BPIT-LEC3A-072413 | BPIT-LEC3A-082313 | BPIT-LEC3A-092513 | BPIT-LEC3A-101713 | BPIT-LEC3A-111313 | BPIT-LEC 3A-031714 | BPIT-LEC 3A-042114 |
| Sampling Company | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | USEPA | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PII |
| Laboratory Work Order | | | Region 5 | 5062957 | 5064373 | 5065213 | 5067503 | 5068540 | 5073543 | 5076736 | 5077586 | 5078625 | 5080418 | 5084068 | 5085669 | 5087438 | 5088520 | 5089822 | 5094734 | 5096521 |
| Laboratory Sample ID | | | RCRA | 5062957009 | 5064373008 | 5065213007 | 5067503005 | 5068540009 | 5073543009 | 5076736009 | 5077586009 | 5078625009 | 5080418009 | 5084068009 | 5085669009 | 5087438009 | 5088520009 | 5089822009 | 5094734011 | 5096521009 |
| Sample Type | Units | SFAL | Ecological | | | | | | | | | | | | | | | | | |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 |
| Toluene | µg/L | 2000 ^A | 253 ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 5.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 5.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene | µg/L | 1000 ^A | 14 ^{ac} | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Xylene, m & p- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylene, o- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylenes, Total | µg/L | 40000 ^A | 27 ^{ac} | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 10.0 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 10.0 | < 1.5 | < 1.5 |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^a | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 |
| Acenaphthylene | µg/L | n/v | 4840 ^b | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 |
| Anthracene | µg/L | 11000 ^A | 0.035 ^a | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.062 NJ ^B | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 |
| Benzo(a)anthracene | µg/L | 0.1 ^A | 0.025 ^a | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 |
| Benzo(a)pyrene | µg/L | 0.2 ^A | 0.014 ⁿ | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 |
| Benzo(b)fluoranthene | µg/L | 0.2 ^A | 9.07 ^b | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 J | 0.062 NJ | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 |
| Benzo(g,h,i)perylene | µg/L | n/v | 7.64 ^b | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 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 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 |
| Chrysene | µg/L | 0.2 ^A | n/v | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 J | < 0.50 J | < 0.50 J | < 0.50 | < 0.50 J | < 0.50 J | < 0.50 | < 0.50 | < 0.50 J | < 0.50 J | < 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 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 |
| Fluoranthene | µg/L | n/v | 1.9 ^a | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 |
| Fluorene | µg/L | 1400 ^A | 19 ^d | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 |
| Indeno(1,2,3-cd)pyrene | µg/L | 0.4 ^A | 4.31 ^b | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | 0.62 NJ | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 |
| Phenanthrene | µg/L | n/v | 3.6 ^b | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 |
| Pyrene | µg/L | 1100 ^A | 0.3 ^a | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 |

See notes on last page

TABLE 2
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 | | | | 3A | | | | | | 3B | | | | | | | | | | |
|----------------------------------|-------|--------------------|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------------|-------------------|
| Sample Date | | | | 21-May-14 | 16-Jun-14 | 18-Jul-14 | 25-Aug-14 | 19-Sep-14 | 17-Oct-14 | 7-Feb-12 | 14-Feb-12 | 22-Feb-12 | 28-Feb-12 | 6-Mar-12 | 14-Mar-12 | 3-Apr-12 | 15-May-12 | 12-Jun-12 | 25-Jun-12 | 14-Aug-12 |
| Sample ID | | | | BPIT-LEC3A-052114 | BPIT-LEC3A-061614 | BPIT-LEC3A-071814 | BPIT_LEC3A-082514 | BPIT-LEC3A-091914 | BPIT-LEC3A-101714 | BP-IT-3B-020712 | BPIT-3B-021412 | BPIT-3B-022212 | BPIT-3B-022812 | BPIT-3B-030612 | BPIT-3B-031412 | BPIT-3B-040312 | BPIT-3B-051512 | BPIT-3B-061212 | BPIT-LEC3B-062512 S | BPIT-LEC3B-081412 |
| Sampling Company | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | USEPA | PACE | PACE | PACE | PACE | PACE | PACE | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII |
| Laboratory Work Order | | | Region 5 | 5098077 | 5099367 | 50101099 | 50102757 | 50104047 | 50105553 | 5058232 | 5058509 | 5058904 | 5059171 | 5059490 | 5059979 | 5061000 | 5062957 | 5064373 | 5065130 | 5067503 |
| Laboratory Sample ID | | | RCRA | 5098077009 | 5099367009 | 50101099009 | 50102757009 | 50104047009 | 50105553009 | 5058232004 | 5058509004 | 5058904004 | 5059171004 | 5059490003 | 5059979004 | 5061000003 | 5062957003 | 5064373002 | 5065130004 | 5067503008 |
| Sample Type | Units | SFAL | Ecological | | | | | | | | | | | | | | | | | |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 4.3 | 4.8 | 3.3 J | 7.5 J | 3.7 | 4.3 | < 0.50 | 7.3 | 1.1 | 4.9 | < 0.50 |
| Toluene | µg/L | 2000 ^A | 253 ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene | µg/L | 1000 ^A | 14 ^{ac} | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 J | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Xylene, m & p- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylene, o- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylenes, Total | µg/L | 40000 ^A | 27 ^{ac} | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 J | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^a | < 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 |
| Acenaphthylene | µg/L | n/v | 4840 ^b | < 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 | 11000 ^A | 0.035 ^B | < 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)anthracene | µg/L | 0.1 ^A | 0.025 ^{ac} | < 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 | 0.014 ⁿ | < 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 | 0.2 ^A | 9.07 ^b | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.17 | < 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 | < 0.10 | < 0.10 | < 0.10 | < 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 | < 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 | 0.11 | < 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 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.51 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.51 | < 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 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Fluoranthene | µg/L | n/v | 1.9 ^{tz} | < 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 | 1400 ^A | 19 ^d | < 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 |
| Indeno(1,2,3-cd)pyrene | µg/L | 0.4 ^A | 4.31 ^b | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.096 NJ | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} | < 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 |
| Phenanthrene | µg/L | n/v | 3.6 ^b | < 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 |
| Pyrene | µg/L | 1100 ^A | 0.3 ^a | < 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 |

See notes on last page

TABLE 2
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 | | | | 3B | | | | | | | | | | | | | | | | | | |
|----------------------------------|-------|--------------------|---------------------|-------------------|-------------------|-----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Sample Date | | | | 4-Sep-12 | 11-Dec-12 | 26-Feb-13 | 15-Mar-13 | 9-Apr-13 | 14-May-13 | 24-Jul-13 | 23-Aug-13 | 25-Sep-13 | 17-Oct-13 | 13-Nov-13 | 17-Mar-14 | 21-Apr-14 | 21-May-14 | 16-Jun-14 | 18-Jul-14 | 25-Aug-14 | 19-Sep-14 | 17-Oct-14 |
| Sample ID | | | | BPIT-LEC3B-090412 | BPIT-LEC3B-121112 | BPIT-LEC3B-022613 | BPIT-LEC3B-031513 | BPIT-LEC3B-040913 | BPIT-LEC3B-051413 | BPIT-LEC3B-072413 | BPIT-LEC3B-082313 | BPIT-LEC3B-092513 | BPIT-LEC3B-101713 | BPIT-LEC3B-111313 | BPIT-LEC3B-031714 | BPIT-LEC3B-042114 | BPIT-LEC3B-052114 | BPIT-LEC3B-061614 | BPIT-LEC3B-071814 | BPIT_LEC3B-082514 | BPIT-LEC3B-091914 | BPIT-LEC3B-101714 |
| Sampling Company | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | USEPA | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PII | PACE | PACE | PACE | PACE | PACE | PACE |
| Laboratory Work Order | | | Region 5 | 5068540 | 5073543 | 5076736 | 5077586 | 5078625 | 5080418 | 5084068 | 5085669 | 5087438 | 5088520 | 5089822 | 5094734 | 5096521 | 5098077 | 5099367 | 50101099 | 50102757 | 50104047 | 50105553 |
| Laboratory Sample ID | | | RCRA | 5068540003 | 5073543003 | 5076736003 | 5077586003 | 5078625003 | 5080418003 | 5084068003 | 5085669003 | 5087438003 | 5088520003 | 5089822003 | 5094734005 | 5096521003 | 5098077003 | 5099367003 | 50101099003 | 50102757003 | 50104047003 | 50105553004 |
| Sample Type | Units | SFAL | Ecological | | | | | | | | | | | | | | | | | | | |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Toluene | µg/L | 2000 ^A | 253 ^B | < 5.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 5.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene | µg/L | 1000 ^A | 14 ^{ac} | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Xylene, m & p- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylene, o- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylenes, Total | µg/L | 40000 ^A | 27 ^{ac} | < 10.0 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 10.0 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 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 | 4840 ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 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 | 11000 ^A | 0.035 ^B | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 J | < 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 | 0.1 ^A | 0.025 ^{ac} | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 J | < 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 | 0.014 ^B | < 0.10 | < 0.10 | 0.051 NJ ^B | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 J | < 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 | 0.2 ^A | 9.07 ^B | < 0.10 | < 0.10 | 0.092 NJ | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 J | < 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 | 7.64 ^B | < 0.10 | < 0.10 | 0.065 NJ | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 J | < 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 | 0.2 ^A | n/v | < 0.10 | < 0.10 | 0.073 NJ | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 J | < 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 | 0.2 ^A | n/v | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 J | < 0.50 | < 0.50 J | < 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 | 0.3 ^A | n/v | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 J | < 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 | 1.9 ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 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 | 1400 ^A | 19 ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 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 | 0.4 ^A | 4.31 ^B | < 0.10 | < 0.10 | 0.051 NJ | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 J | < 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 | 100 ^A | 13 ^{ac} | 0.82 NJ | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 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 | 3.6 ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 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 | 1100 ^A | 0.3 ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 | < 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
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 Sample Date | | | | 4B | | | | | | | | | | | | | | | | |
|----------------------------------|-------|--------------------|---------------------------------|----------------|----------------|----------------|----------------|-------------------|-------------------|-----------------------|-----------------------|-----------------------|-------------------|----------------------|-------------------|-------------------|-------------------|-----------------------|-------------------|-------------------|
| | | | | 6-Mar-12 | 3-Apr-12 | 15-May-12 | 12-Jun-12 | 26-Jun-12 | 14-Aug-12 | 4-Sep-12 | 11-Dec-12 | 26-Feb-13 | 26-Feb-13 | 15-Mar-13 | 9-Apr-13 | 14-May-13 | 24-Jul-13 | 23-Aug-13 | 25-Sep-13 | 17-Oct-13 |
| Sample ID | | | | BPIT-4B-030612 | BPIT-4B-040312 | BPIT-4B-051512 | BPIT-4B-061212 | BPIT-LEC4B-062612 | BPIT-LEC4B-081412 | BPIT-LEC4B-090412 | BPIT-LEC4B-121112 | BPIT-LEC4B-022613 | BPIT-DUP01-022613 | BPIT-LEC4B-031513 | BPIT-LEC4B-040913 | BPIT-LEC4B-051413 | BPIT-LEC4B-072413 | BPIT-LEC4B-082313 | BPIT-LEC4B-092513 | BPIT-LEC4B-101713 |
| Sampling Company | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | USEPA | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII |
| Laboratory Work Order | | | Region 5 | 5059490 | 5061000 | 5062957 | 5064373 | 5065225 | 5067503 | 5068540 | 5073543 | 5076736 | 5076736 | 5077586 | 5078625 | 5080418 | 5084068 | 5085669 | 5087438 | 5088520 |
| Laboratory Sample ID | | | RCRA | 5059490005 | 5061000005 | 5062957005 | 5064373004 | 5065225005 | 5067503001 | 5068540005 | 5073543005 | 5076736005 | 5076736010 | 5077586005 | 5078625005 | 5080418005 | 5084068005 | 5085669005 | 5087438005 | 5088520005 |
| Sample Type | Units | SFAL | Ecological | | | | | | | | | | Field Duplicate | | | | | | | |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B | < 0.50 | < 0.50 | 7.2 | 5.0 | < 0.50 | < 0.50 | < 5.0 | < 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 ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 5.0 | < 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 ^{oz} ^B | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Xylene, m & p- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylene, o- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylenes, Total | µg/L | 40000 ^A | 27 ^{dz} ^B | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 10.0 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Naphthalene | µg/L | 100 ^A | 13 ^{oz} ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^z ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J |
| Acenaphthylene | µg/L | n/v | 4840 ^z ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J |
| Anthracene | µg/L | 11000 ^A | 0.035 ^z ^B | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.055 NJ ^B | < 0.10 | < 0.10 J | < 0.10 J | 0.33 J ^B | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J |
| Benzo(a)anthracene | µg/L | 0.1 ^A | 0.025 ^z ^B | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.052 NJ ^B | 0.078 NJ ^B | < 0.10 J | 0.48 J ^{AB} | < 0.10 | < 0.10 J | < 0.10 J | 0.061 NJ ^B | < 0.10 | < 0.10 J |
| 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 | 0.055 NJ ^B | 0.11 J ^B | < 0.10 J | 0.38 J ^{AB} | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J |
| Benzo(b)fluoranthene | µg/L | 0.2 ^A | 9.07 ^z ^B | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | 0.36 J ^A | < 0.10 | < 0.10 J | < 0.10 J | 0.068 NJ | < 0.10 | < 0.10 J |
| Benzo(g,h,i)perylene | µg/L | n/v | 7.64 ^z ^B | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.069 NJ | 0.15 J | < 0.10 J | 0.23 J | < 0.10 | < 0.10 J | < 0.10 J | 0.056 NJ | < 0.10 | < 0.10 J |
| Benzo(k)fluoranthene | µg/L | 0.2 ^A | n/v | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.085 NJ | 0.12 J | < 0.10 J | 0.35 J ^A | < 0.10 | < 0.10 J | < 0.10 J | 0.062 NJ | < 0.10 | < 0.10 J |
| Chrysene | µg/L | 0.2 ^A | n/v | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 J | < 0.50 J | 0.50 J ^A | < 0.50 | < 0.50 J | < 0.50 J | < 0.50 | < 0.50 | < 0.50 J |
| 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 | 0.069 NJ | 0.054 NJ | < 0.10 J | 0.078 NJ | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J |
| Fluoranthene | µg/L | n/v | 1.9 ^z ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | 1.4 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J |
| Fluorene | µg/L | 1400 ^A | 19 ^z ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J |
| Indeno(1,2,3-cd)pyrene | µg/L | 0.4 ^A | 4.31 ^z ^B | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.072 NJ | 0.12 J | < 0.10 J | 0.19 J | < 0.10 | < 0.10 J | < 0.10 J | 0.059 NJ | < 0.10 | < 0.10 J |
| Naphthalene | µg/L | 100 ^A | 13 ^{oz} ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J |
| Phenanthrene | µg/L | n/v | 3.6 ^z ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | 1.9 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J |
| Pyrene | µg/L | 1100 ^A | 0.3 ^z ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | 1.2 J ^B | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J |

See notes on last page

TABLE 2
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 | | | | 4B | | | | | | | | | 5B | | | | | | | | |
|----------------------------------|-------|--------------------|---------------------|-------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------------|----------------|----------------|----------------|---------------------|-------------------|-------------------|-------------------|-----------------------|
| Sample Date | | | | 13-Nov-13 | 17-Mar-14 | 21-Apr-14 | 21-May-14 | 16-Jun-14 | 18-Jul-14 | 25-Aug-14 | 19-Sep-14 | 17-Oct-14 | 6-Mar-12 | 3-Apr-12 | 15-May-12 | 12-Jun-12 | 26-Jun-12 | 14-Aug-12 | 4-Sep-12 | 11-Dec-12 | 26-Feb-13 |
| Sample ID | | | | BPIT-LEC4B-111313 | BPIT-LEC 4B-031714 | BPIT-LEC 4B-042114 | BPIT-LEC4B-052114 | BPIT-LEC4B-061614 | BPIT-LEC4B-071814 | BPIT_LEC4B-082514 | BPIT-LEC4B-091914 | BPIT-LEC4B-101714 | BPIT-5B-030612 | BPIT-5B-040312 | BPIT-5B-051512 | BPIT-5B-061212 | BPIT-LEC5B-062612 S | BPIT-LEC5B-081412 | BPIT-LEC5B-090412 | BPIT-LEC5B-121112 | BPIT-LEC5B-022613 |
| Sampling Company | | | USEPA | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | Region 5 | PIII | PIII | PII | PACE | PACE | PACE | PACE | PACE | PACE | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII |
| Laboratory Work Order | | | RCRA | 5089822 | 5094734 | 5096521 | 5098077 | 5099367 | 50101099 | 50102757 | 50104047 | 50105553 | 5059490 | 5061000 | 5062957 | 5064373 | 5065225 | 5067503 | 5068540 | 5073543 | 5076736 |
| Laboratory Sample ID | | | | 5089822005 | 5094734007 | 5096521005 | 5098077005 | 5099367005 | 50101099005 | 50102757005 | 50104047005 | 50105553006 | 5059490006 | 5061000006 | 5062957006 | 5064373005 | 5065225008 | 5067503002 | 5068540006 | 5073543006 | 5076736006 |
| Sample Type | Units | SFAL | Ecological | | | | | | | | | | | | | | | | | | |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 0.59 | < 0.50 | < 5.0 | < 0.50 | < 0.50 |
| Toluene | µg/L | 2000 ^A | 253 ^B | < 5.0 | < 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 | < 5.0 | < 1.0 | < 1.0 |
| Ethylbenzene | µg/L | 1000 ^A | 14 ^{ca} | < 5.0 | < 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 | < 5.0 | < 0.50 | < 0.50 |
| Xylene, m & p- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylene, o- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylenes, Total | µg/L | 40000 ^A | 27 ^{ca} | < 10.0 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 10.0 | < 1.5 | < 1.5 |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Naphthalene | µg/L | 100 ^A | 13 ^{ca} | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^o | < 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 | < 1.0 J |
| Acenaphthylene | µg/L | n/v | 4840 ^b | < 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 | < 1.0 J |
| Anthracene | µg/L | 11000 ^A | 0.035 ^B | < 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 | < 0.10 J |
| Benzo(a)anthracene | µg/L | 0.1 ^A | 0.025 ^{ca} | < 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 | 0.060 NJ ^B |
| Benzo(a)pyrene | µg/L | 0.2 ^A | 0.014 ^b | < 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 | 0.072 NJ ^B |
| Benzo(b)fluoranthene | µg/L | 0.2 ^A | 9.07 ^b | < 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 | 0.13 J |
| Benzo(g,h,i)perylene | µg/L | n/v | 7.64 ^b | < 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 | 0.095 NJ |
| 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 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.10 J |
| Chrysene | µg/L | 0.2 ^A | n/v | < 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 | < 0.50 J |
| 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 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 J |
| Fluoranthene | µg/L | n/v | 1.9 ^{ca} | < 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 | < 1.0 J |
| Fluorene | µg/L | 1400 ^A | 19 ^o | < 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 | < 1.0 J |
| Indeno(1,2,3-cd)pyrene | µg/L | 0.4 ^A | 4.31 ^b | < 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 | 0.077 NJ |
| Naphthalene | µg/L | 100 ^A | 13 ^{ca} | < 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 J | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J |
| Phenanthrene | µg/L | n/v | 3.6 ^B | < 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 | < 1.0 J |
| Pyrene | µg/L | 1100 ^A | 0.3 ^{ca} | < 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 | < 1.0 J |

See notes on last page

TABLE 2
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 | | | | | | | | | | | 5B | | | | | | | | | | 6B | | |
|----------------------------------|-------|--------------------|----------------------------------|--|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------------|----------------|----------------|
| Sample Date | | | | | 15-Mar-13 | 9-Apr-13 | 14-May-13 | 24-Jul-13 | 23-Aug-13 | 25-Sep-13 | 17-Oct-13 | 13-Nov-13 | 17-Mar-14 | 21-Apr-14 | 21-May-14 | 16-Jun-14 | 18-Jul-14 | 25-Aug-14 | 19-Sep-14 | 17-Oct-14 | 6-Mar-12 | 3-Apr-12 | 15-May-12 |
| Sample ID | | | | | BPIT-LEC5B-031513 | BPIT-LEC5B-040913 | BPIT-LEC5B-051413 | BPIT-LEC5B-072413 | BPIT-LEC5B-082313 | BPIT-LEC5B-092513 | BPIT-LEC5B-101713 | BPIT-LEC5B-111313 | BPIT-LEC 5B-031714 | BPIT-LEC 5B-042114 | BPIT-LEC5B-052114 | BPIT-LEC5B-061614 | BPIT-LEC5B-071814 | BPIT_LEC5B-082514 | BPIT-LEC5B-091914 | BPIT-LEC5B-101714 | BPIT-6B-030612 | BPIT-6B-040312 | BPIT-6B-051512 |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | USEPA | | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PII | PACE | PACE | PACE | PACE | PACE | PACE | PIII | PIII | PIII |
| Laboratory Work Order | | | Region 5 | | 5077586 | 5078625 | 5080418 | 5084068 | 5085669 | 5087438 | 5088520 | 5089822 | 5094734 | 5096521 | 5098077 | 5099367 | 50101099 | 50102757 | 50104047 | 50105553 | 5059490 | 5061000 | 5062957 |
| Laboratory Sample ID | | | RCRA | | 5077586006 | 5078625006 | 5080418006 | 5084068006 | 5085669006 | 5087438006 | 5088520006 | 5089822006 | 5094734008 | 5096521006 | 5098077006 | 5099367006 | 50101099006 | 50102757006 | 50104047006 | 50105553003 | 5059490001 | 5061000001 | 5062957001 |
| Sample Type | Units | SFAL | Ecological | | | | | | | | | | | | | | | | | | | | |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B | | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 4.0 | < 0.50 | 5.9 |
| Toluene | µg/L | 2000 ^A | 253 ^B | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 5.0 | < 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 ^{oz} ^B | | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Xylene, m & p- | µg/L | n/v | n/v | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylene, o- | µg/L | n/v | n/v | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylenes, Total | µg/L | 40000 ^A | 27 ^{oz} ^B | | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 10.0 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Naphthalene | µg/L | 100 ^A | 13 ^{oz} ^B | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^{oz} ^B | | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 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 | 4840 ^{oz} ^B | | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 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 | 11000 ^A | 0.035 ^{oz} ^B | | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 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 | 0.1 ^A | 0.025 ^{oz} ^B | | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 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 | 0.014 ^{oz} ^B | | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 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 | 0.2 ^A | 9.07 ^{oz} ^B | | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 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 | 7.64 ^{oz} ^B | | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.087 NJ | < 0.10 | < 0.10 |
| Benzo(k)fluoranthene | µg/L | 0.2 ^A | n/v | | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.077 NJ | < 0.10 | < 0.10 |
| Chrysene | µg/L | 0.2 ^A | n/v | | < 0.50 | < 0.50 J | < 0.50 | < 0.50 J | < 0.50 | < 0.50 | < 0.50 J | < 0.50 J | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.52 |
| Dibenzo(a,h)anthracene | µg/L | 0.3 ^A | n/v | | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.054 NJ | < 0.10 | < 0.10 |
| Fluoranthene | µg/L | n/v | 1.9 ^{oz} ^B | | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 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 | 1400 ^A | 19 ^{oz} ^B | | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 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 | 0.4 ^A | 4.31 ^{oz} ^B | | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.084 NJ | < 0.10 | < 0.10 |
| Naphthalene | µg/L | 100 ^A | 13 ^{oz} ^B | | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 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 | 3.6 ^{oz} ^B | | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 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 | 1100 ^A | 0.3 ^{oz} ^B | | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 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
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 | | | | | 12-Jun-12 | 25-Jun-12 | 14-Aug-12 | 4-Sep-12 | 11-Dec-12 | 26-Feb-13 | 15-Mar-13 | 9-Apr-13 | 14-May-13 | 24-Jul-13 | 23-Aug-13 | 25-Sep-13 | 17-Oct-13 | 13-Nov-13 | 17-Mar-14 | 21-Apr-14 | 21-May-14 | 16-Jun-14 |
|----------------------------------|-------|--------------------|---------------------|--|----------------|-------------------|-------------------|-----------------------|-------------------|-----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|-------------------|-------------------|
| Sample Date | | | | | BPIT-6B-061212 | BPIT-LEC6B-062512 | BPIT-LEC6B-081412 | BPIT-LEC6B-090412 | BPIT-LEC6B-121112 | BPIT-LEC6B-022613 | BPIT-LEC6B-031513 | BPIT-LEC6B-040913 | BPIT-LEC6B-051413 | BPIT-LEC6B-072413 | BPIT-LEC6B-082313 | BPIT-LEC6B-092513 | BPIT-LEC6B-101713 | BPIT-LEC6B-111313 | BPIT-LEC 6B-031714 | BPIT-LEC 6B-042114 | BPIT-LEC6B-052114 | BPIT-LEC6B-061614 |
| Sample ID | | | | | | | | | | | | | | | | | | | | | | |
| Sampling Company | | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | USEPA | | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PACE | PACE |
| Laboratory Work Order | | | Region 5 | | 5064371 | 5065060 | 5067503 | 5068540 | 5073543 | 5076736 | 5077586 | 5078625 | 5080418 | 5084068 | 5085669 | 5087438 | 5088520 | 5089822 | 5094734 | 5096521 | 5098077 | 5099367 |
| Laboratory Sample ID | | | RCRA | | 5064371001 | 5065060001 | 5067503006 | 5068540001 | 5073543001 | 5076736001 | 5077586001 | 5078625001 | 5080418001 | 5084068001 | 5085669001 | 5087438001 | 5088520001 | 5089822001 | 5094734003 | 5096521001 | 5098077001 | 5099367001 |
| Sample Type | Units | SFAL | Ecological | | | | | | | | | | | | | | | | | | | |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B | | < 0.50 | 1.4 | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Toluene | µg/L | 2000 ^A | 253 ^B | | < 1.0 | < 1.0 | < 1.0 | < 5.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 5.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene | µg/L | 1000 ^A | 14 ^{ac} | | < 0.50 | < 0.50 | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Xylene, m & p- | µg/L | n/v | n/v | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylene, o- | µg/L | n/v | n/v | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylenes, Total | µg/L | 40000 ^A | 27 ^{ac} | | < 1.5 | < 1.5 | < 1.5 | < 10.0 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 10.0 | < 1.5 | < 1.5 | < 1.5 | < 1.5 |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^{ac} | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Acenaphthylene | µg/L | n/v | 4840 ^B | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Anthracene | µg/L | 11000 ^A | 0.035 ^{ac} | | < 0.10 | < 0.10 | < 0.10 | 0.066 NJ ^B | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Benzo(a)anthracene | µg/L | 0.1 ^A | 0.025 ^{ac} | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.055 NJ ^B | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Benzo(a)pyrene | µg/L | 0.2 ^A | 0.014 ^{ac} | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.054 NJ ^B | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Benzo(b)fluoranthene | µg/L | 0.2 ^A | 9.07 ^{ac} | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.099 NJ | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | 0.050 NJ | < 0.10 | < 0.10 | < 0.10 |
| Benzo(g,h,i)perylene | µg/L | n/v | 7.64 ^{ac} | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.063 NJ | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 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 | 0.066 NJ | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | 0.069 NJ | < 0.10 | < 0.10 | < 0.10 |
| Chrysene | µg/L | 0.2 ^A | n/v | | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 J | < 0.50 | < 0.50 | < 0.50 J | < 0.50 J | < 0.50 | < 0.50 | < 0.50 J | < 0.50 | < 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 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Fluoranthene | µg/L | n/v | 1.9 ^{ac} | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Fluorene | µg/L | 1400 ^A | 19 ^{ac} | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Indeno(1,2,3-cd)pyrene | µg/L | 0.4 ^A | 4.31 ^{ac} | | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | 0.051 NJ | < 0.10 | < 0.10 | < 0.10 J | < 0.10 J | < 0.10 | < 0.10 | < 0.10 J | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} | | < 1.0 | < 1.0 | < 1.0 | 3.4 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Phenanthrene | µg/L | n/v | 3.6 ^{ac} | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Pyrene | µg/L | 1100 ^A | 0.3 ^{ac} | | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 J | < 1.0 | < 1.0 | < 1.0 J | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |

See notes on last page

TABLE 2
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 | | | | 68 | | | | Trip Blank | | | | | | | | | | | | | |
|----------------------------------|-------|--------------------|---------------------------------|-------------------|-------------------|-------------------|-------------------|-----------------|------------|------------|--------------------|------------|---------------|---------------|---------------|------------|------------|------------|------------|------------|------------------------|
| Sample Date | | | | 18-Jul-14 | 25-Aug-14 | 19-Sep-14 | 17-Oct-14 | 6-Mar-12 | 3-Apr-12 | 15-May-12 | 12-Jun-12 | 25-Jun-12 | 25-Jun-12 | 25-Jun-12 | 25-Jun-12 | 26-Jun-12 | 27-Jun-12 | 27-Jun-12 | 14-Aug-12 | 4-Sep-12 | 11-Dec-12 |
| Sample ID | | | | BPIT-LEC68-071814 | BPIT_LEC68-082514 | BPIT-LEC68-091914 | BPIT-LEC68-101714 | TRIP-01~5059490 | TRIP BLANK | TRIP BLANK | TRIP BLANK~5064373 | TRIP BLANK | TRIP BLANK #2 | TRIP BLANK #3 | TRIP BLANK #4 | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | TRIP BLANK | BPIT-TRIP BLANK-121112 |
| Sampling Company | | | | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | USEPA | PACE | PACE | PACE | PACE | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII |
| Laboratory Work Order | | | Region 5 | 50101099 | 50102757 | 50104047 | 50105553 | 5059490 | 5061000 | 5062957 | 5064373 | 5065060 | 5065130 | 5065130 | 5065130 | 5065225 | 5065213 | 5065226 | 5067503 | 5068540 | 5073543 |
| Laboratory Sample ID | | | RCRA | 50101099001 | 50102757001 | 50104047001 | 50105553001 | 5059490010 | 5061000010 | 5062957011 | 5064373010 | 5065060005 | 5065130020 | 5065130021 | 5065130022 | 5065225010 | 5065213009 | 5065226007 | 5067503011 | 5068540011 | 5073543011 |
| Sample Type | Units | SFAL | Ecological | | | | | Trip Blank | Trip Blank | Trip Blank | Trip Blank | Trip Blank | Trip Blank | Trip Blank | Trip Blank | Trip Blank | Trip Blank | Trip Blank | Trip Blank | Trip Blank | Trip Blank |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B | < 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 | < 5.0 | < 0.50 |
| Toluene | µg/L | 2000 ^A | 253 ^B | < 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 | < 5.0 | < 1.0 |
| Ethylbenzene | µg/L | 1000 ^A | 14 ^{oz} ^B | < 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 | < 5.0 | < 0.50 |
| Xylene, m & p- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylene, o- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 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 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 10.0 | < 1.5 |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Naphthalene | µg/L | 100 ^A | 13 ^{oz} ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^z ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Acenaphthylene | µg/L | n/v | 4840 ^z ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Anthracene | µg/L | 11000 ^A | 0.035 ^z ^B | < 0.10 | < 0.10 | < 0.10 | < 0.10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(a)anthracene | µg/L | 0.1 ^A | 0.025 ^z ^B | < 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 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(b)fluoranthene | µg/L | 0.2 ^A | 9.07 ^z ^B | < 0.10 | < 0.10 | < 0.10 | < 0.10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(g,h,i)perylene | µg/L | n/v | 7.64 ^z ^B | < 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 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Chrysene | µg/L | 0.2 ^A | n/v | < 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 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Fluoranthene | µg/L | n/v | 1.9 ^z ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Fluorene | µg/L | 1400 ^A | 19 ^d ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Indeno(1,2,3-cd)pyrene | µg/L | 0.4 ^A | 4.31 ^z ^B | < 0.10 | < 0.10 | < 0.10 | < 0.10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Naphthalene | µg/L | 100 ^A | 13 ^{oz} ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Phenanthrene | µg/L | n/v | 3.6 ^z ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Pyrene | µg/L | 1100 ^A | 0.3 ^z ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

See notes on last page

TABLE 2
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 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 | | | | Trip Blank | | | | | | | | | | | | | | | | |
|----------------------------------|-------|--------------------|----------------------------------|-----------------------|------------------------|----------------------------|---------------------------|-----------------------|-----------------------|------------------------|-------------------------|--------------------------|-----------------------|------------------------|-----------------------|-----------------------|------------------------|-----------------------|-----------------------|-----------------------|
| Sample Date | | | | 26-Feb-13 | 15-Mar-13 | 9-Apr-13 | 14-May-13 | 24-Jul-13 | 23-Aug-13 | 25-Sep-13 | 17-Oct-13 | 13-Nov-13 | 17-Mar-14 | 21-Apr-14 | 21-May-14 | 16-Jun-14 | 18-Jul-14 | 25-Aug-14 | 19-Sep-14 | 17-Oct-14 |
| Sample ID | | | | BPIT-TRIPBLANK-022613 | BPIT-TRIP BLANK-031513 | BPIT-LEC TRIP BLANK-040913 | BPIT-LEC TRIPBLANK-051413 | BPIT-TRIPBLANK-072413 | BPIT-TRIPBLANK-082313 | BPIT-TRIP BLANK-092513 | BPIT-TRIPBLANK01-101713 | BPIT-LECTRIPBLANK-111313 | BPIT-TRIPBLANK-031714 | BPIT-TRIP BLANK-042114 | BPIT-TRIPBLANK-052114 | BPIT-TRIPBLANK-061614 | BPIT-TRIP BLANK-071814 | BPIT_TRIPBLANK-082514 | BPIT-TRIPBLANK-091914 | BPIT-TRIPBLANK-101714 |
| Sampling Company | | | USEPA | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC | STANTEC |
| Laboratory | | | Region 5 | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PIII | PII | PACE | PACE | PACE | PACE | PACE | PACE |
| Laboratory Work Order | | | RCRA | 5076736 | 5077586 | 5078625 | 5080418 | 5084068 | 5085669 | 5087438 | 5088520 | 5089822 | 5094734 | 5096521 | 5098077 | 5099367 | 50101099 | 50102757 | 50104047 | 50105553 |
| Laboratory Sample ID | | | | 5076736011 | 5077586010 | 5078625011 | 5080418011 | 5084068011 | 5085669010 | 5087438011 | 5088520011 | 5089822011 | 5094734001 | 5096521011 | 5098077011 | 5099367011 | 50101099011 | 50102757011 | 50104047011 | 50105553011 |
| Sample Type | Units | SFAL | Ecological | Trip Blank | Trip Blank | Trip Blank | Trip Blank | Trip Blank | Trip Blank | Trip Blank | Trip Blank | Trip Blank | Trip Blank | Trip Blank | Trip Blank | Trip Blank | Trip Blank | Trip Blank | Trip Blank | Trip Blank |
| BTEX and VOCs | | | | | | | | | | | | | | | | | | | | |
| Benzene | µg/L | 100 ^A | 114 ^B | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Toluene | µg/L | 2000 ^A | 253 ^B | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 5.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| Ethylbenzene | µg/L | 1000 ^A | 14 ^{ac} ^B | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 5.0 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 |
| Xylene, m & p- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylene, o- | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Xylenes, Total | µg/L | 40000 ^A | 27 ^{ac} ^B | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 10.0 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 | < 1.5 |
| Methyl tert-butyl ether (MTBE) | µg/L | n/v | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Polycyclic Aromatic Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/L | 2100 ^A | 38 ^a ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Acenaphthylene | µg/L | n/v | 4840 ^b ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Anthracene | µg/L | 11000 ^A | 0.035 ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(a)anthracene | µg/L | 0.1 ^A | 0.025 ^{ac} ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(a)pyrene | µg/L | 0.2 ^A | 0.014 ⁿ ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(b)fluoranthene | µg/L | 0.2 ^A | 9.07 ^b ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(g,h,i)perylene | µg/L | n/v | 7.64 ^b ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Benzo(k)fluoranthene | µg/L | 0.2 ^A | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Chrysene | µg/L | 0.2 ^A | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Dibenzo(a,h)anthracene | µg/L | 0.3 ^A | n/v | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Fluoranthene | µg/L | n/v | 1.9 ^{tz} ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Fluorene | µg/L | 1400 ^A | 19 ^d ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Indeno(1,2,3-cd)pyrene | µg/L | 0.4 ^A | 4.31 ^b ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Naphthalene | µg/L | 100 ^A | 13 ^{ac} ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Phenanthrene | µg/L | n/v | 3.6 ^a ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Pyrene | µg/L | 1100 ^A | 0.3 ^a ^B | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

See notes on last page

TABLE 2
CUMULATIVE SURFACE WATER ANALYTICAL RESULTS - BTEX AND PAHs
Oct 17, 2014
BP Products North America Inc.
Site #215 - Indianapolis Terminal
2500 N. Tibbs Avenue
Indianapolis, Marion County, IN 46222
Stantec Project No.: 182612296

Notes:

| | |
|---|--|
| SFAL | Superfund Removal Action Levels |
| A | Superfund Removal Action Levels - May, 1993 |
| USEPA Region 5 RCRA Ecological | EPA-Region 5 Ecological |
| B | EPA-Region 5 Ecological Screening Levels (August 22, 2003) |
| 6.5 ^A | Concentration exceeds the indicated standard. |
| 15.2 | Concentration was detected but did not exceed applicable standards. |
| < 0.50 | Laboratory estimated quantitation limit exceeded standard. |
| < 0.03 | The analyte was not detected above the laboratory estimated quantitation limit. |
| n/v | No standard/guideline value. |
| - | Parameter not analyzed / not available. |
| a | Michigan water quality standards, Rule 57 water quality values, July 23, 2003. The water ESL data for acenaphthene, BHC (gamma), cyanide and parathion are Michigan (final chronic value or FCV) Tier I criteria. Likewise, water ESL data for dieldrin, dioxin, DDT, endrin, hexachlorobenzene, hexachlorobutadiene, mercury, PCB's and toxaphene represent wildlife values (see Notes at end of these footnotes for dioxin, DDT, mercury and PCB's). All of the remaining data are Tier II values. |
| b | Water Ecological Screening Levels (ESL) based on exposure to a mink (Mustela vison). |
| c | Indiana water quality standards, Title 327, Article 2, of the Indiana Administrative Code, Feb. 4, 2002. Available at: http://www.ai.org/legislative/iac/t03270/a00020.pdf The water ESL for toxaphene is from the Indiana chronic aquatic criterion for all waters outside of mixing zones (see Table 1 under Rule 1 of 327 IAC 2-1-6 Minimum Surface Water Quality Standards at the above Internet site). The remaining water ESL data are either wildlife values (for dioxin, DDT, mercury and PCB's) or Tier II values for the Indiana Great Lakes Basin (see Great Lakes Basin Criteria and Values Table as developed under Rule 1.5 of 327 IAC Article 2 as referenced above). |
| d | Ohio water quality standards, Chapter 3745-1 of the Ohio Administrative Code, Dec. 30, 2002. The water ESL data for endrin and parathion are Ohio aquatic life Tier I criteria from the Outside Mixing Zone Average (OMZA). Wildlife values are available for dioxin, DDT, mercury and PCB's. All of the remaining data are Ohio aquatic life Tier II values from the OMZA. See Ohio summary tables for water quality criteria and values along with reference on the development of Tier I criteria and Tier II values. |
| f | Minnesota water quality standards, Rule 7052.0100, Subpart 2 (water ESL data for arsenic & benzene represents aquatic life chronic standards and dioxin, DDT, mercury and PCB's represents wildlife values), April 13, 2000. Rule 7050.0222, Subpart 2, Feb. 12, 2003. |
| g | Region 5, RCRA Interim Criteria, based on Aquire database with acceptable review codes and endpoints (life cycle). Must have eight or more acceptable studies (i.e., chronic and/or acute). |
| h | GLWQI Tier II value as presented in: Sufer, G.W. II and Tsao, C.L. 1996. Toxicological benchmarks for screening potential contaminants of concern for effects on aquatic biota, 1996 Revision. ES/ER/TM-96/R2. Available at: http://www.esd.onl.gov/programs/ecorisk/ecorisk.html |
| o | Illinois water quality standards, Title 35, Part 302.208, Dec. 20, 2002. Available at: http://www.ipcb.state.il.us/SLR/IPCBandIPEAEnvironmentalRegulations-Title35.asp |
| z | New ESL data is lower than the previous table. |
| B | Indicates analyte was found in associated blank, as well as in the sample. |
| J | Indicates estimated value. |
| NJ | The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration. |
| 1A | Former "Midpoint" sample location |
| 2A | Former "Downstream" sample location |
| 3A | Former "Upstream" sample location |

ATTACHMENT A
LABORATORY ANALYTICAL REPORT
October 2014 SAMPLING EVENT

October 28, 2014

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

RE: Project: BP 00215 - Indianapolis Term.
Pace Project No.: 50105553

Dear Mr. Amberger:

Enclosed are the analytical results for sample(s) received by the laboratory on October 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@pacelabs.com
Project Manager

Enclosures

cc: Mr. Ryan Julien, Stantec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: BP 00215 - Indianapolis Term.

Pace Project No.: 50105553

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

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SAMPLE SUMMARY

Project: BP 00215 - Indianapolis Term.

Pace Project No.: 50105553

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|-----------------------|--------|----------------|----------------|
| 50105553001 | BPIT-LEC6B-101714 | Water | 10/17/14 12:08 | 10/17/14 14:40 |
| 50105553002 | BPIT-LEC2A-101714 | Water | 10/17/14 12:16 | 10/17/14 14:40 |
| 50105553003 | BPIT-LEC5B-101714 | Water | 10/17/14 12:48 | 10/17/14 14:40 |
| 50105553004 | BPIT-LEC3B-101714 | Water | 10/17/14 12:22 | 10/17/14 14:40 |
| 50105553005 | BPIT-LEC1A-101714 | Water | 10/17/14 12:30 | 10/17/14 14:40 |
| 50105553006 | BPIT-LEC4B-101714 | Water | 10/17/14 12:42 | 10/17/14 14:40 |
| 50105553007 | BPIT-LEC2B-101714 | Water | 10/17/14 12:53 | 10/17/14 14:40 |
| 50105553008 | BPIT-LEC1B-101714 | Water | 10/17/14 13:00 | 10/17/14 14:40 |
| 50105553009 | BPIT-LEC3A-101714 | Water | 10/17/14 13:05 | 10/17/14 14:40 |
| 50105553010 | BPIT-DUP01-101714 | Water | 10/17/14 08:00 | 10/17/14 14:40 |
| 50105553011 | BPIT-Tripblank-101714 | Water | 10/17/14 08:00 | 10/17/14 14:40 |

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SAMPLE ANALYTE COUNT

Project: BP 00215 - Indianapolis Term.

Pace Project No.: 50105553

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|-----------------------|---------------------|----------|-------------------|
| 50105553001 | BPIT-LEC6B-101714 | EPA 8270 by SIM LVE | CEM | 18 |
| | | EPA 524.2 | RSW | 7 |
| 50105553002 | BPIT-LEC2A-101714 | EPA 8270 by SIM LVE | CEM | 18 |
| | | EPA 524.2 | RSW | 7 |
| 50105553003 | BPIT-LEC5B-101714 | EPA 8270 by SIM LVE | CEM | 18 |
| | | EPA 524.2 | RSW | 7 |
| 50105553004 | BPIT-LEC3B-101714 | EPA 8270 by SIM LVE | CEM | 18 |
| | | EPA 524.2 | RSW | 7 |
| 50105553005 | BPIT-LEC1A-101714 | EPA 8270 by SIM LVE | CEM | 18 |
| | | EPA 524.2 | RSW | 7 |
| 50105553006 | BPIT-LEC4B-101714 | EPA 8270 by SIM LVE | CEM | 18 |
| | | EPA 524.2 | RSW | 7 |
| 50105553007 | BPIT-LEC2B-101714 | EPA 8270 by SIM LVE | CEM | 18 |
| | | EPA 524.2 | RSW | 7 |
| 50105553008 | BPIT-LEC1B-101714 | EPA 8270 by SIM LVE | CEM | 18 |
| | | EPA 524.2 | RSW | 7 |
| 50105553009 | BPIT-LEC3A-101714 | EPA 8270 by SIM LVE | CEM | 18 |
| | | EPA 524.2 | RSW | 7 |
| 50105553010 | BPIT-DUP01-101714 | EPA 8270 by SIM LVE | CEM | 18 |
| | | EPA 524.2 | RSW | 7 |
| 50105553011 | BPIT-Tripblank-101714 | EPA 524.2 | RSW | 7 |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BP 00215 - Indianapolis Term.

Pace Project No.: 50105553

| Sample: BPIT-LEC6B-101714 | | Lab ID: 50105553001 | Collected: 10/17/14 12:08 | Received: 10/17/14 14:40 | 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 | 10/23/14 10:27 | 10/24/14 21:48 | 83-32-9 | |
| Acenaphthylene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 21:48 | 208-96-8 | |
| Anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 21:48 | 120-12-7 | |
| Benzo(a)anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 21:48 | 56-55-3 | |
| Benzo(a)pyrene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 21:48 | 50-32-8 | |
| Benzo(b)fluoranthene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 21:48 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 21:48 | 191-24-2 | |
| Benzo(k)fluoranthene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 21:48 | 207-08-9 | |
| Chrysene | ND ug/L | | 0.50 | 1 | 10/23/14 10:27 | 10/24/14 21:48 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 21:48 | 53-70-3 | |
| Fluoranthene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 21:48 | 206-44-0 | |
| Fluorene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 21:48 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 21:48 | 193-39-5 | |
| Naphthalene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 21:48 | 91-20-3 | |
| Phenanthrene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 21:48 | 85-01-8 | |
| Pyrene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 21:48 | 129-00-0 | |
| Surrogates | | | | | | | | |
| 2-Fluorobiphenyl (S) | 54 %. | | 21-114 | 1 | 10/23/14 10:27 | 10/24/14 21:48 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 93 %. | | 25-131 | 1 | 10/23/14 10:27 | 10/24/14 21:48 | 1718-51-0 | |
| 524.2 MSV | | Analytical Method: EPA 524.2 | | | | | | |
| Benzene | ND ug/L | | 0.50 | 1 | | 10/26/14 07:19 | 71-43-2 | N2 |
| Ethylbenzene | ND ug/L | | 0.50 | 1 | | 10/26/14 07:19 | 100-41-4 | N2 |
| Toluene | ND ug/L | | 1.0 | 1 | | 10/26/14 07:19 | 108-88-3 | N2 |
| Xylene (Total) | ND ug/L | | 1.5 | 1 | | 10/26/14 07:19 | 1330-20-7 | N2 |
| Surrogates | | | | | | | | |
| 4-Bromofluorobenzene (S) | 100 %. | | 70-130 | 1 | | 10/26/14 07:19 | 460-00-4 | |
| Dibromofluoromethane (S) | 106 %. | | 70-130 | 1 | | 10/26/14 07:19 | 1868-53-7 | |
| Toluene-d8 (S) | 101 %. | | 70-130 | 1 | | 10/26/14 07:19 | 2037-26-5 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BP 00215 - Indianapolis Term.

Pace Project No.: 50105553

| Sample: BPIT-LEC2A-101714 | | Lab ID: 50105553002 | Collected: 10/17/14 12:16 | Received: 10/17/14 14:40 | 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 | 10/23/14 10:27 | 10/24/14 22:06 | 83-32-9 | |
| Acenaphthylene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 22:06 | 208-96-8 | |
| Anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:06 | 120-12-7 | |
| Benzo(a)anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:06 | 56-55-3 | |
| Benzo(a)pyrene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:06 | 50-32-8 | |
| Benzo(b)fluoranthene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:06 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:06 | 191-24-2 | |
| Benzo(k)fluoranthene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:06 | 207-08-9 | |
| Chrysene | ND ug/L | | 0.50 | 1 | 10/23/14 10:27 | 10/24/14 22:06 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:06 | 53-70-3 | |
| Fluoranthene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 22:06 | 206-44-0 | |
| Fluorene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 22:06 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:06 | 193-39-5 | |
| Naphthalene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 22:06 | 91-20-3 | |
| Phenanthrene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 22:06 | 85-01-8 | |
| Pyrene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 22:06 | 129-00-0 | |
| Surrogates | | | | | | | | |
| 2-Fluorobiphenyl (S) | 56 %. | | 21-114 | 1 | 10/23/14 10:27 | 10/24/14 22:06 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 100 %. | | 25-131 | 1 | 10/23/14 10:27 | 10/24/14 22:06 | 1718-51-0 | |
| 524.2 MSV | | Analytical Method: EPA 524.2 | | | | | | |
| Benzene | ND ug/L | | 0.50 | 1 | | 10/26/14 07:47 | 71-43-2 | N2 |
| Ethylbenzene | ND ug/L | | 0.50 | 1 | | 10/26/14 07:47 | 100-41-4 | N2 |
| Toluene | ND ug/L | | 1.0 | 1 | | 10/26/14 07:47 | 108-88-3 | N2 |
| Xylene (Total) | ND ug/L | | 1.5 | 1 | | 10/26/14 07:47 | 1330-20-7 | N2 |
| Surrogates | | | | | | | | |
| 4-Bromofluorobenzene (S) | 93 %. | | 70-130 | 1 | | 10/26/14 07:47 | 460-00-4 | |
| Dibromofluoromethane (S) | 107 %. | | 70-130 | 1 | | 10/26/14 07:47 | 1868-53-7 | |
| Toluene-d8 (S) | 98 %. | | 70-130 | 1 | | 10/26/14 07:47 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: BP 00215 - Indianapolis Term.

Pace Project No.: 50105553

| Sample: BPIT-LEC5B-101714 | | Lab ID: 50105553003 | Collected: 10/17/14 12:48 | Received: 10/17/14 14:40 | 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 | 10/23/14 10:27 | 10/24/14 22:23 | 83-32-9 | |
| Acenaphthylene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 22:23 | 208-96-8 | |
| Anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:23 | 120-12-7 | |
| Benzo(a)anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:23 | 56-55-3 | |
| Benzo(a)pyrene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:23 | 50-32-8 | |
| Benzo(b)fluoranthene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:23 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:23 | 191-24-2 | |
| Benzo(k)fluoranthene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:23 | 207-08-9 | |
| Chrysene | ND ug/L | | 0.50 | 1 | 10/23/14 10:27 | 10/24/14 22:23 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:23 | 53-70-3 | |
| Fluoranthene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 22:23 | 206-44-0 | |
| Fluorene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 22:23 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:23 | 193-39-5 | |
| Naphthalene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 22:23 | 91-20-3 | |
| Phenanthrene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 22:23 | 85-01-8 | |
| Pyrene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 22:23 | 129-00-0 | |
| Surrogates | | | | | | | | |
| 2-Fluorobiphenyl (S) | 57 %. | | 21-114 | 1 | 10/23/14 10:27 | 10/24/14 22:23 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 92 %. | | 25-131 | 1 | 10/23/14 10:27 | 10/24/14 22:23 | 1718-51-0 | |
| 524.2 MSV | | Analytical Method: EPA 524.2 | | | | | | |
| Benzene | ND ug/L | | 0.50 | 1 | | 10/26/14 08:16 | 71-43-2 | N2 |
| Ethylbenzene | ND ug/L | | 0.50 | 1 | | 10/26/14 08:16 | 100-41-4 | N2 |
| Toluene | ND ug/L | | 1.0 | 1 | | 10/26/14 08:16 | 108-88-3 | N2 |
| Xylene (Total) | ND ug/L | | 1.5 | 1 | | 10/26/14 08:16 | 1330-20-7 | N2 |
| Surrogates | | | | | | | | |
| 4-Bromofluorobenzene (S) | 96 %. | | 70-130 | 1 | | 10/26/14 08:16 | 460-00-4 | |
| Dibromofluoromethane (S) | 107 %. | | 70-130 | 1 | | 10/26/14 08:16 | 1868-53-7 | |
| Toluene-d8 (S) | 101 %. | | 70-130 | 1 | | 10/26/14 08:16 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: BP 00215 - Indianapolis Term.

Pace Project No.: 50105553

| Sample: BPIT-LEC3B-101714 | | Lab ID: 50105553004 | | Collected: 10/17/14 12:22 | | Received: 10/17/14 14:40 | | 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 | 10/23/14 10:27 | 10/24/14 22:41 | 83-32-9 | | |
| Acenaphthylene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 22:41 | 208-96-8 | | |
| Anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:41 | 120-12-7 | | |
| Benzo(a)anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:41 | 56-55-3 | | |
| Benzo(a)pyrene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:41 | 50-32-8 | | |
| Benzo(b)fluoranthene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:41 | 205-99-2 | | |
| Benzo(g,h,i)perylene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:41 | 191-24-2 | | |
| Benzo(k)fluoranthene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:41 | 207-08-9 | | |
| Chrysene | ND ug/L | | 0.50 | 1 | 10/23/14 10:27 | 10/24/14 22:41 | 218-01-9 | | |
| Dibenz(a,h)anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:41 | 53-70-3 | | |
| Fluoranthene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 22:41 | 206-44-0 | | |
| Fluorene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 22:41 | 86-73-7 | | |
| Indeno(1,2,3-cd)pyrene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:41 | 193-39-5 | | |
| Naphthalene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 22:41 | 91-20-3 | | |
| Phenanthrene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 22:41 | 85-01-8 | | |
| Pyrene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 22:41 | 129-00-0 | | |
| Surrogates | | | | | | | | | |
| 2-Fluorobiphenyl (S) | 56 %. | | 21-114 | 1 | 10/23/14 10:27 | 10/24/14 22:41 | 321-60-8 | | |
| p-Terphenyl-d14 (S) | 100 %. | | 25-131 | 1 | 10/23/14 10:27 | 10/24/14 22:41 | 1718-51-0 | | |
| 524.2 MSV | | Analytical Method: EPA 524.2 | | | | | | | |
| Benzene | ND ug/L | | 0.50 | 1 | | 10/26/14 08:44 | 71-43-2 | N2 | |
| Ethylbenzene | ND ug/L | | 0.50 | 1 | | 10/26/14 08:44 | 100-41-4 | N2 | |
| Toluene | ND ug/L | | 1.0 | 1 | | 10/26/14 08:44 | 108-88-3 | N2 | |
| Xylene (Total) | ND ug/L | | 1.5 | 1 | | 10/26/14 08:44 | 1330-20-7 | N2 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 94 %. | | 70-130 | 1 | | 10/26/14 08:44 | 460-00-4 | | |
| Dibromofluoromethane (S) | 107 %. | | 70-130 | 1 | | 10/26/14 08:44 | 1868-53-7 | | |
| Toluene-d8 (S) | 101 %. | | 70-130 | 1 | | 10/26/14 08:44 | 2037-26-5 | | |

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ANALYTICAL RESULTS

Project: BP 00215 - Indianapolis Term.

Pace Project No.: 50105553

| Sample: BPIT-LEC1A-101714 | | Lab ID: 50105553005 | Collected: 10/17/14 12:30 | Received: 10/17/14 14:40 | 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 | 10/23/14 10:27 | 10/24/14 22:59 | 83-32-9 | |
| Acenaphthylene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 22:59 | 208-96-8 | |
| Anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:59 | 120-12-7 | |
| Benzo(a)anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:59 | 56-55-3 | |
| Benzo(a)pyrene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:59 | 50-32-8 | |
| Benzo(b)fluoranthene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:59 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:59 | 191-24-2 | |
| Benzo(k)fluoranthene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:59 | 207-08-9 | |
| Chrysene | ND ug/L | | 0.50 | 1 | 10/23/14 10:27 | 10/24/14 22:59 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:59 | 53-70-3 | |
| Fluoranthene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 22:59 | 206-44-0 | |
| Fluorene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 22:59 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 22:59 | 193-39-5 | |
| Naphthalene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 22:59 | 91-20-3 | |
| Phenanthrene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 22:59 | 85-01-8 | |
| Pyrene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 22:59 | 129-00-0 | |
| Surrogates | | | | | | | | |
| 2-Fluorobiphenyl (S) | 57 %. | | 21-114 | 1 | 10/23/14 10:27 | 10/24/14 22:59 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 96 %. | | 25-131 | 1 | 10/23/14 10:27 | 10/24/14 22:59 | 1718-51-0 | |
| 524.2 MSV | | Analytical Method: EPA 524.2 | | | | | | |
| Benzene | ND ug/L | | 0.50 | 1 | | 10/26/14 09:13 | 71-43-2 | N2 |
| Ethylbenzene | ND ug/L | | 0.50 | 1 | | 10/26/14 09:13 | 100-41-4 | N2 |
| Toluene | ND ug/L | | 1.0 | 1 | | 10/26/14 09:13 | 108-88-3 | N2 |
| Xylene (Total) | ND ug/L | | 1.5 | 1 | | 10/26/14 09:13 | 1330-20-7 | N2 |
| Surrogates | | | | | | | | |
| 4-Bromofluorobenzene (S) | 97 %. | | 70-130 | 1 | | 10/26/14 09:13 | 460-00-4 | |
| Dibromofluoromethane (S) | 106 %. | | 70-130 | 1 | | 10/26/14 09:13 | 1868-53-7 | |
| Toluene-d8 (S) | 101 %. | | 70-130 | 1 | | 10/26/14 09:13 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: BP 00215 - Indianapolis Term.

Pace Project No.: 50105553

| Sample: BPIT-LEC4B-101714 | | Lab ID: 50105553006 | Collected: 10/17/14 12:42 | Received: 10/17/14 14:40 | 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 | 10/23/14 10:27 | 10/24/14 23:16 | 83-32-9 | |
| Acenaphthylene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 23:16 | 208-96-8 | |
| Anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 23:16 | 120-12-7 | |
| Benzo(a)anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 23:16 | 56-55-3 | |
| Benzo(a)pyrene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 23:16 | 50-32-8 | |
| Benzo(b)fluoranthene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 23:16 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 23:16 | 191-24-2 | |
| Benzo(k)fluoranthene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 23:16 | 207-08-9 | |
| Chrysene | ND ug/L | | 0.50 | 1 | 10/23/14 10:27 | 10/24/14 23:16 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 23:16 | 53-70-3 | |
| Fluoranthene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 23:16 | 206-44-0 | |
| Fluorene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 23:16 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 23:16 | 193-39-5 | |
| Naphthalene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 23:16 | 91-20-3 | |
| Phenanthrene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 23:16 | 85-01-8 | |
| Pyrene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 23:16 | 129-00-0 | |
| Surrogates | | | | | | | | |
| 2-Fluorobiphenyl (S) | 64 %. | | 21-114 | 1 | 10/23/14 10:27 | 10/24/14 23:16 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 97 %. | | 25-131 | 1 | 10/23/14 10:27 | 10/24/14 23:16 | 1718-51-0 | |
| 524.2 MSV | | Analytical Method: EPA 524.2 | | | | | | |
| Benzene | ND ug/L | | 0.50 | 1 | | 10/26/14 09:42 | 71-43-2 | N2 |
| Ethylbenzene | ND ug/L | | 0.50 | 1 | | 10/26/14 09:42 | 100-41-4 | N2 |
| Toluene | ND ug/L | | 1.0 | 1 | | 10/26/14 09:42 | 108-88-3 | N2 |
| Xylene (Total) | ND ug/L | | 1.5 | 1 | | 10/26/14 09:42 | 1330-20-7 | N2 |
| Surrogates | | | | | | | | |
| 4-Bromofluorobenzene (S) | 96 %. | | 70-130 | 1 | | 10/26/14 09:42 | 460-00-4 | |
| Dibromofluoromethane (S) | 103 %. | | 70-130 | 1 | | 10/26/14 09:42 | 1868-53-7 | |
| Toluene-d8 (S) | 102 %. | | 70-130 | 1 | | 10/26/14 09:42 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: BP 00215 - Indianapolis Term.

Pace Project No.: 50105553

| Sample: BPIT-LEC2B-101714 | | Lab ID: 50105553007 | Collected: 10/17/14 12:53 | Received: 10/17/14 14:40 | 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 | 10/23/14 10:27 | 10/24/14 23:34 | 83-32-9 | |
| Acenaphthylene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 23:34 | 208-96-8 | |
| Anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 23:34 | 120-12-7 | |
| Benzo(a)anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 23:34 | 56-55-3 | |
| Benzo(a)pyrene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 23:34 | 50-32-8 | |
| Benzo(b)fluoranthene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 23:34 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 23:34 | 191-24-2 | |
| Benzo(k)fluoranthene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 23:34 | 207-08-9 | |
| Chrysene | ND ug/L | | 0.50 | 1 | 10/23/14 10:27 | 10/24/14 23:34 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 23:34 | 53-70-3 | |
| Fluoranthene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 23:34 | 206-44-0 | |
| Fluorene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 23:34 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 23:34 | 193-39-5 | |
| Naphthalene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 23:34 | 91-20-3 | |
| Phenanthrene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 23:34 | 85-01-8 | |
| Pyrene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 23:34 | 129-00-0 | |
| Surrogates | | | | | | | | |
| 2-Fluorobiphenyl (S) | 61 %. | | 21-114 | 1 | 10/23/14 10:27 | 10/24/14 23:34 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 101 %. | | 25-131 | 1 | 10/23/14 10:27 | 10/24/14 23:34 | 1718-51-0 | |
| 524.2 MSV | | Analytical Method: EPA 524.2 | | | | | | |
| Benzene | ND ug/L | | 0.50 | 1 | | 10/26/14 10:11 | 71-43-2 | N2 |
| Ethylbenzene | ND ug/L | | 0.50 | 1 | | 10/26/14 10:11 | 100-41-4 | N2 |
| Toluene | ND ug/L | | 1.0 | 1 | | 10/26/14 10:11 | 108-88-3 | N2 |
| Xylene (Total) | ND ug/L | | 1.5 | 1 | | 10/26/14 10:11 | 1330-20-7 | N2 |
| Surrogates | | | | | | | | |
| 4-Bromofluorobenzene (S) | 96 %. | | 70-130 | 1 | | 10/26/14 10:11 | 460-00-4 | |
| Dibromofluoromethane (S) | 106 %. | | 70-130 | 1 | | 10/26/14 10:11 | 1868-53-7 | |
| Toluene-d8 (S) | 101 %. | | 70-130 | 1 | | 10/26/14 10:11 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: BP 00215 - Indianapolis Term.

Pace Project No.: 50105553

| Sample: BPIT-LEC1B-101714 | | Lab ID: 50105553008 | Collected: 10/17/14 13:00 | Received: 10/17/14 14:40 | 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 | 10/23/14 10:27 | 10/24/14 23:52 | 83-32-9 | |
| Acenaphthylene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 23:52 | 208-96-8 | |
| Anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 23:52 | 120-12-7 | |
| Benzo(a)anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 23:52 | 56-55-3 | |
| Benzo(a)pyrene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 23:52 | 50-32-8 | |
| Benzo(b)fluoranthene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 23:52 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 23:52 | 191-24-2 | |
| Benzo(k)fluoranthene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 23:52 | 207-08-9 | |
| Chrysene | ND ug/L | | 0.50 | 1 | 10/23/14 10:27 | 10/24/14 23:52 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 23:52 | 53-70-3 | |
| Fluoranthene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 23:52 | 206-44-0 | |
| Fluorene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 23:52 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/24/14 23:52 | 193-39-5 | |
| Naphthalene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 23:52 | 91-20-3 | |
| Phenanthrene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 23:52 | 85-01-8 | |
| Pyrene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/24/14 23:52 | 129-00-0 | |
| Surrogates | | | | | | | | |
| 2-Fluorobiphenyl (S) | 69 %. | | 21-114 | 1 | 10/23/14 10:27 | 10/24/14 23:52 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 104 %. | | 25-131 | 1 | 10/23/14 10:27 | 10/24/14 23:52 | 1718-51-0 | |
| 524.2 MSV | | Analytical Method: EPA 524.2 | | | | | | |
| Benzene | ND ug/L | | 0.50 | 1 | | 10/26/14 10:39 | 71-43-2 | N2 |
| Ethylbenzene | ND ug/L | | 0.50 | 1 | | 10/26/14 10:39 | 100-41-4 | N2 |
| Toluene | ND ug/L | | 1.0 | 1 | | 10/26/14 10:39 | 108-88-3 | N2 |
| Xylene (Total) | ND ug/L | | 1.5 | 1 | | 10/26/14 10:39 | 1330-20-7 | N2 |
| Surrogates | | | | | | | | |
| 4-Bromofluorobenzene (S) | 97 %. | | 70-130 | 1 | | 10/26/14 10:39 | 460-00-4 | |
| Dibromofluoromethane (S) | 105 %. | | 70-130 | 1 | | 10/26/14 10:39 | 1868-53-7 | |
| Toluene-d8 (S) | 103 %. | | 70-130 | 1 | | 10/26/14 10:39 | 2037-26-5 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BP 00215 - Indianapolis Term.

Pace Project No.: 50105553

| Sample: BPIT-LEC3A-101714 | | Lab ID: 50105553009 | Collected: 10/17/14 13:05 | Received: 10/17/14 14:40 | 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 | 10/23/14 10:27 | 10/25/14 00:09 | 83-32-9 | |
| Acenaphthylene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/25/14 00:09 | 208-96-8 | |
| Anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/25/14 00:09 | 120-12-7 | |
| Benzo(a)anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/25/14 00:09 | 56-55-3 | |
| Benzo(a)pyrene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/25/14 00:09 | 50-32-8 | |
| Benzo(b)fluoranthene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/25/14 00:09 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/25/14 00:09 | 191-24-2 | |
| Benzo(k)fluoranthene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/25/14 00:09 | 207-08-9 | |
| Chrysene | ND ug/L | | 0.50 | 1 | 10/23/14 10:27 | 10/25/14 00:09 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/25/14 00:09 | 53-70-3 | |
| Fluoranthene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/25/14 00:09 | 206-44-0 | |
| Fluorene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/25/14 00:09 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/25/14 00:09 | 193-39-5 | |
| Naphthalene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/25/14 00:09 | 91-20-3 | |
| Phenanthrene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/25/14 00:09 | 85-01-8 | |
| Pyrene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/25/14 00:09 | 129-00-0 | |
| Surrogates | | | | | | | | |
| 2-Fluorobiphenyl (S) | 78 %. | | 21-114 | 1 | 10/23/14 10:27 | 10/25/14 00:09 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 110 %. | | 25-131 | 1 | 10/23/14 10:27 | 10/25/14 00:09 | 1718-51-0 | |
| 524.2 MSV | | Analytical Method: EPA 524.2 | | | | | | |
| Benzene | ND ug/L | | 0.50 | 1 | | 10/27/14 16:46 | 71-43-2 | N2 |
| Ethylbenzene | ND ug/L | | 0.50 | 1 | | 10/27/14 16:46 | 100-41-4 | N2 |
| Toluene | ND ug/L | | 1.0 | 1 | | 10/27/14 16:46 | 108-88-3 | N2 |
| Xylene (Total) | ND ug/L | | 1.5 | 1 | | 10/27/14 16:46 | 1330-20-7 | N2 |
| Surrogates | | | | | | | | |
| 4-Bromofluorobenzene (S) | 93 %. | | 70-130 | 1 | | 10/27/14 16:46 | 460-00-4 | |
| Dibromofluoromethane (S) | 107 %. | | 70-130 | 1 | | 10/27/14 16:46 | 1868-53-7 | |
| Toluene-d8 (S) | 100 %. | | 70-130 | 1 | | 10/27/14 16:46 | 2037-26-5 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BP 00215 - Indianapolis Term.

Pace Project No.: 50105553

| Sample: BPIT-DUP01-101714 | | Lab ID: 50105553010 | Collected: 10/17/14 08:00 | Received: 10/17/14 14:40 | 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 | 10/23/14 10:27 | 10/25/14 01:02 | 83-32-9 | |
| Acenaphthylene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/25/14 01:02 | 208-96-8 | |
| Anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/25/14 01:02 | 120-12-7 | |
| Benzo(a)anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/25/14 01:02 | 56-55-3 | |
| Benzo(a)pyrene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/25/14 01:02 | 50-32-8 | |
| Benzo(b)fluoranthene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/25/14 01:02 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/25/14 01:02 | 191-24-2 | |
| Benzo(k)fluoranthene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/25/14 01:02 | 207-08-9 | |
| Chrysene | ND ug/L | | 0.50 | 1 | 10/23/14 10:27 | 10/25/14 01:02 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/25/14 01:02 | 53-70-3 | |
| Fluoranthene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/25/14 01:02 | 206-44-0 | |
| Fluorene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/25/14 01:02 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND ug/L | | 0.10 | 1 | 10/23/14 10:27 | 10/25/14 01:02 | 193-39-5 | |
| Naphthalene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/25/14 01:02 | 91-20-3 | |
| Phenanthrene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/25/14 01:02 | 85-01-8 | |
| Pyrene | ND ug/L | | 1.0 | 1 | 10/23/14 10:27 | 10/25/14 01:02 | 129-00-0 | |
| Surrogates | | | | | | | | |
| 2-Fluorobiphenyl (S) | 69 %. | | 21-114 | 1 | 10/23/14 10:27 | 10/25/14 01:02 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 89 %. | | 25-131 | 1 | 10/23/14 10:27 | 10/25/14 01:02 | 1718-51-0 | |
| 524.2 MSV | | Analytical Method: EPA 524.2 | | | | | | |
| Benzene | ND ug/L | | 0.50 | 1 | | 10/27/14 15:40 | 71-43-2 | N2 |
| Ethylbenzene | ND ug/L | | 0.50 | 1 | | 10/27/14 15:40 | 100-41-4 | N2 |
| Toluene | ND ug/L | | 1.0 | 1 | | 10/27/14 15:40 | 108-88-3 | N2 |
| Xylene (Total) | ND ug/L | | 1.5 | 1 | | 10/27/14 15:40 | 1330-20-7 | N2 |
| Surrogates | | | | | | | | |
| 4-Bromofluorobenzene (S) | 90 %. | | 70-130 | 1 | | 10/27/14 15:40 | 460-00-4 | |
| Dibromofluoromethane (S) | 105 %. | | 70-130 | 1 | | 10/27/14 15:40 | 1868-53-7 | |
| Toluene-d8 (S) | 99 %. | | 70-130 | 1 | | 10/27/14 15:40 | 2037-26-5 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BP 00215 - Indianapolis Term.

Pace Project No.: 50105553

| Sample: BPIT-Tripleblank-101714 | | Lab ID: 50105553011 | Collected: 10/17/14 08:00 | Received: 10/17/14 14:40 | 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 | | 10/27/14 16:13 | 71-43-2 | N2 |
| Ethylbenzene | ND ug/L | | 0.50 | 1 | | 10/27/14 16:13 | 100-41-4 | N2 |
| Toluene | ND ug/L | | 1.0 | 1 | | 10/27/14 16:13 | 108-88-3 | N2 |
| Xylene (Total) | ND ug/L | | 1.5 | 1 | | 10/27/14 16:13 | 1330-20-7 | N2 |
| Surrogates | | | | | | | | |
| 4-Bromofluorobenzene (S) | 90 %. | | 70-130 | 1 | | 10/27/14 16:13 | 460-00-4 | |
| Dibromofluoromethane (S) | 108 %. | | 70-130 | 1 | | 10/27/14 16:13 | 1868-53-7 | |
| Toluene-d8 (S) | 94 %. | | 70-130 | 1 | | 10/27/14 16:13 | 2037-26-5 | |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BP 00215 - Indianapolis Term.

Pace Project No.: 50105553

| | | | |
|-------------------------|--|-----------------------|-----------|
| QC Batch: | MSV/70186 | Analysis Method: | EPA 524.2 |
| QC Batch Method: | EPA 524.2 | Analysis Description: | 524.2 MSV |
| Associated Lab Samples: | 50105553001, 50105553002, 50105553003, 50105553004, 50105553005, 50105553006, 50105553007, 50105553008 | | |

METHOD BLANK: 1178711 Matrix: Water

Associated Lab Samples: 50105553001, 50105553002, 50105553003, 50105553004, 50105553005, 50105553006, 50105553007, 50105553008

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------------|------------|
| Benzene | ug/L | ND | 0.50 | 10/26/14 02:59 | N2 |
| Ethylbenzene | ug/L | ND | 0.50 | 10/26/14 02:59 | N2 |
| Toluene | ug/L | ND | 1.0 | 10/26/14 02:59 | N2 |
| Xylene (Total) | ug/L | ND | 1.5 | 10/26/14 02:59 | N2 |
| 4-Bromofluorobenzene (S) | % | 89 | 70-130 | 10/26/14 02:59 | |
| Dibromofluoromethane (S) | % | 102 | 70-130 | 10/26/14 02:59 | |
| Toluene-d8 (S) | % | 101 | 70-130 | 10/26/14 02:59 | |

LABORATORY CONTROL SAMPLE: 1178712

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------|-------|-------------|------------|-----------|--------------|------------|
| Benzene | ug/L | 50 | 46.7 | 93 | 70-130 | N2 |
| Ethylbenzene | ug/L | 50 | 52.0 | 104 | 70-130 | N2 |
| Toluene | ug/L | 50 | 49.9 | 100 | 70-130 | N2 |
| Xylene (Total) | ug/L | 150 | 157 | 105 | 70-130 | N2 |
| 4-Bromofluorobenzene (S) | % | | | 103 | 70-130 | |
| Dibromofluoromethane (S) | % | | | 106 | 70-130 | |
| Toluene-d8 (S) | % | | | 103 | 70-130 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BP 00215 - Indianapolis Term.

Pace Project No.: 50105553

QC Batch: MSV/70240 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Associated Lab Samples: 50105553009, 50105553010, 50105553011

METHOD BLANK: 1179214 Matrix: Water

Associated Lab Samples: 50105553009, 50105553010, 50105553011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------------|------------|
| Benzene | ug/L | ND | 0.50 | 10/27/14 15:07 | N2 |
| Ethylbenzene | ug/L | ND | 0.50 | 10/27/14 15:07 | N2 |
| Toluene | ug/L | ND | 1.0 | 10/27/14 15:07 | N2 |
| Xylene (Total) | ug/L | ND | 1.5 | 10/27/14 15:07 | N2 |
| 4-Bromofluorobenzene (S) | % | 88 | 70-130 | 10/27/14 15:07 | |
| Dibromofluoromethane (S) | % | 104 | 70-130 | 10/27/14 15:07 | |
| Toluene-d8 (S) | % | 95 | 70-130 | 10/27/14 15:07 | |

LABORATORY CONTROL SAMPLE: 1179215

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------|-------|-------------|------------|-----------|--------------|------------|
| Benzene | ug/L | 50 | 43.4 | 87 | 70-130 | N2 |
| Ethylbenzene | ug/L | 50 | 49.5 | 99 | 70-130 | N2 |
| Toluene | ug/L | 50 | 43.6 | 87 | 70-130 | N2 |
| Xylene (Total) | ug/L | 150 | 143 | 95 | 70-130 | N2 |
| 4-Bromofluorobenzene (S) | % | | | 96 | 70-130 | |
| Dibromofluoromethane (S) | % | | | 104 | 70-130 | |
| Toluene-d8 (S) | % | | | 97 | 70-130 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1179216 1179217

| Parameter | Units | 50105553009 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 | 51.2 | 53.3 | 102 | 107 | 70-130 | 4 | 20 | N2 |
| Ethylbenzene | ug/L | ND | 50 | 50 | 55.5 | 58.6 | 111 | 117 | 70-130 | 6 | 20 | N2 |
| Toluene | ug/L | ND | 50 | 50 | 49.1 | 52.6 | 98 | 105 | 70-130 | 7 | 20 | N2 |
| Xylene (Total) | ug/L | ND | 150 | 150 | 159 | 166 | 106 | 111 | 70-130 | 4 | 20 | N2 |
| 4-Bromofluorobenzene (S) | % | | | | | | 97 | 94 | 70-130 | | | |
| Dibromofluoromethane (S) | % | | | | | | 108 | 106 | 70-130 | | | |
| Toluene-d8 (S) | % | | | | | | 96 | 96 | 70-130 | | | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BP 00215 - Indianapolis Term.

Pace Project No.: 50105553

| | | | |
|-------------------------|--|-----------------------|-------------------------------|
| QC Batch: | OEXT/37276 | Analysis Method: | EPA 8270 by SIM LVE |
| QC Batch Method: | EPA 3510 | Analysis Description: | 8270 Water PAH LV by SIM MSSV |
| Associated Lab Samples: | 50105553001, 50105553002, 50105553003, 50105553004, 50105553005, 50105553006, 50105553007, 50105553008, 50105553009, 50105553010 | | |

METHOD BLANK: 1177023

Matrix: Water

Associated Lab Samples: 50105553001, 50105553002, 50105553003, 50105553004, 50105553005, 50105553006, 50105553007, 50105553008, 50105553009, 50105553010

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|------------------------|-------|--------------|-----------------|----------------|------------|
| Acenaphthene | ug/L | ND | 1.0 | 10/24/14 20:55 | |
| Acenaphthylene | ug/L | ND | 1.0 | 10/24/14 20:55 | |
| Anthracene | ug/L | ND | 0.10 | 10/24/14 20:55 | |
| Benzo(a)anthracene | ug/L | ND | 0.10 | 10/24/14 20:55 | |
| Benzo(a)pyrene | ug/L | ND | 0.10 | 10/24/14 20:55 | |
| Benzo(b)fluoranthene | ug/L | ND | 0.10 | 10/24/14 20:55 | |
| Benzo(g,h,i)perylene | ug/L | ND | 0.10 | 10/24/14 20:55 | |
| Benzo(k)fluoranthene | ug/L | ND | 0.10 | 10/24/14 20:55 | |
| Chrysene | ug/L | ND | 0.50 | 10/24/14 20:55 | |
| Dibenz(a,h)anthracene | ug/L | ND | 0.10 | 10/24/14 20:55 | |
| Fluoranthene | ug/L | ND | 1.0 | 10/24/14 20:55 | |
| Fluorene | ug/L | ND | 1.0 | 10/24/14 20:55 | |
| Indeno(1,2,3-cd)pyrene | ug/L | ND | 0.10 | 10/24/14 20:55 | |
| Naphthalene | ug/L | ND | 1.0 | 10/24/14 20:55 | |
| Phenanthrene | ug/L | ND | 1.0 | 10/24/14 20:55 | |
| Pyrene | ug/L | ND | 1.0 | 10/24/14 20:55 | |
| 2-Fluorobiphenyl (S) | % | 52 | 21-114 | 10/24/14 20:55 | |
| p-Terphenyl-d14 (S) | % | 98 | 25-131 | 10/24/14 20:55 | |

LABORATORY CONTROL SAMPLE: 1177024

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-------|-------------|------------|-----------|--------------|------------|
| Acenaphthene | ug/L | 10 | 6.6 | 66 | 39-117 | |
| Acenaphthylene | ug/L | 10 | 6.7 | 67 | 40-120 | |
| Anthracene | ug/L | 10 | 8.0 | 80 | 48-126 | |
| Benzo(a)anthracene | ug/L | 10 | 9.6 | 96 | 51-134 | |
| Benzo(a)pyrene | ug/L | 10 | 11.1 | 111 | 48-141 | |
| Benzo(b)fluoranthene | ug/L | 10 | 11.5 | 115 | 49-139 | |
| Benzo(g,h,i)perylene | ug/L | 10 | 9.0 | 90 | 44-134 | |
| Benzo(k)fluoranthene | ug/L | 10 | 10.8 | 108 | 48-140 | |
| Chrysene | ug/L | 10 | 10.2 | 102 | 53-136 | |
| Dibenz(a,h)anthracene | ug/L | 10 | 8.1 | 81 | 44-132 | |
| Fluoranthene | ug/L | 10 | 9.1 | 91 | 50-135 | |
| Fluorene | ug/L | 10 | 7.0 | 70 | 44-124 | |
| Indeno(1,2,3-cd)pyrene | ug/L | 10 | 8.9 | 89 | 45-132 | |
| Naphthalene | ug/L | 10 | 5.8 | 58 | 30-112 | |
| Phenanthrene | ug/L | 10 | 7.8 | 78 | 47-128 | |
| Pyrene | ug/L | 10 | 9.3 | 93 | 50-134 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BP 00215 - Indianapolis Term.

Pace Project No.: 50105553

LABORATORY CONTROL SAMPLE: 1177024

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------|-------|-------------|------------|-----------|--------------|------------|
| 2-Fluorobiphenyl (S) | %. | | | 49 | 21-114 | |
| p-Terphenyl-d14 (S) | %. | | | 96 | 25-131 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1177025 1177026

| Parameter | Units | 50105553009 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 | 8.7 | 8.1 | 87 | 81 | 28-116 | 7 | 20 | |
| Acenaphthylene | ug/L | ND | 10 | 10 | 8.9 | 8.4 | 89 | 84 | 34-115 | 6 | 20 | |
| Anthracene | ug/L | ND | 10 | 10 | 9.3 | 9.2 | 93 | 92 | 39-121 | 2 | 20 | |
| Benzo(a)anthracene | ug/L | ND | 10 | 10 | 8.4 | 8.1 | 84 | 81 | 31-127 | 4 | 20 | |
| Benzo(a)pyrene | ug/L | ND | 10 | 10 | 6.5 | 6.2 | 65 | 62 | 10-121 | 6 | 20 | |
| Benzo(b)fluoranthene | ug/L | ND | 10 | 10 | 6.6 | 6.4 | 66 | 64 | 10-119 | 3 | 20 | |
| Benzo(g,h,i)perylene | ug/L | ND | 10 | 10 | 3.1 | 3.3 | 31 | 33 | 10-108 | 7 | 20 | |
| Benzo(k)fluoranthene | ug/L | ND | 10 | 10 | 6.4 | 6.1 | 64 | 61 | 10-118 | 5 | 20 | |
| Chrysene | ug/L | ND | 10 | 10 | 8.8 | 8.4 | 88 | 84 | 32-127 | 5 | 20 | |
| Dibenz(a,h)anthracene | ug/L | ND | 10 | 10 | 2.7 | 2.9 | 27 | 29 | 10-104 | 8 | 20 | |
| Fluoranthene | ug/L | ND | 10 | 10 | 9.8 | 9.6 | 98 | 96 | 38-131 | 2 | 20 | |
| Fluorene | ug/L | ND | 10 | 10 | 8.9 | 8.6 | 89 | 86 | 33-121 | 4 | 20 | |
| Indeno(1,2,3-cd)pyrene | ug/L | ND | 10 | 10 | 3.0 | 3.2 | 30 | 32 | 10-108 | 6 | 20 | |
| Naphthalene | ug/L | ND | 10 | 10 | 8.4 | 7.6 | 84 | 76 | 16-119 | 9 | 20 | |
| Phenanthrene | ug/L | ND | 10 | 10 | 9.3 | 9.0 | 93 | 90 | 32-130 | 3 | 20 | |
| Pyrene | ug/L | ND | 10 | 10 | 10.2 | 9.8 | 102 | 98 | 39-131 | 4 | 20 | |
| 2-Fluorobiphenyl (S) | %. | | | | | | 70 | 72 | 21-114 | | | |
| p-Terphenyl-d14 (S) | %. | | | | | | 95 | 83 | 25-131 | | | |

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: BP 00215 - Indianapolis Term.

Pace Project No.: 50105553

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BP 00215 - Indianapolis Term.

Pace Project No.: 50105553

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-----------------------|-----------------|------------|---------------------|------------------|
| 50105553001 | BPIT-LEC6B-101714 | EPA 3510 | OEXT/37276 | EPA 8270 by SIM LVE | MSSV/16395 |
| 50105553002 | BPIT-LEC2A-101714 | EPA 3510 | OEXT/37276 | EPA 8270 by SIM LVE | MSSV/16395 |
| 50105553003 | BPIT-LEC5B-101714 | EPA 3510 | OEXT/37276 | EPA 8270 by SIM LVE | MSSV/16395 |
| 50105553004 | BPIT-LEC3B-101714 | EPA 3510 | OEXT/37276 | EPA 8270 by SIM LVE | MSSV/16395 |
| 50105553005 | BPIT-LEC1A-101714 | EPA 3510 | OEXT/37276 | EPA 8270 by SIM LVE | MSSV/16395 |
| 50105553006 | BPIT-LEC4B-101714 | EPA 3510 | OEXT/37276 | EPA 8270 by SIM LVE | MSSV/16395 |
| 50105553007 | BPIT-LEC2B-101714 | EPA 3510 | OEXT/37276 | EPA 8270 by SIM LVE | MSSV/16395 |
| 50105553008 | BPIT-LEC1B-101714 | EPA 3510 | OEXT/37276 | EPA 8270 by SIM LVE | MSSV/16395 |
| 50105553009 | BPIT-LEC3A-101714 | EPA 3510 | OEXT/37276 | EPA 8270 by SIM LVE | MSSV/16395 |
| 50105553010 | BPIT-DUP01-101714 | EPA 3510 | OEXT/37276 | EPA 8270 by SIM LVE | MSSV/16395 |
| 50105553001 | BPIT-LEC6B-101714 | EPA 524.2 | MSV/70186 | | |
| 50105553002 | BPIT-LEC2A-101714 | EPA 524.2 | MSV/70186 | | |
| 50105553003 | BPIT-LEC5B-101714 | EPA 524.2 | MSV/70186 | | |
| 50105553004 | BPIT-LEC3B-101714 | EPA 524.2 | MSV/70186 | | |
| 50105553005 | BPIT-LEC1A-101714 | EPA 524.2 | MSV/70186 | | |
| 50105553006 | BPIT-LEC4B-101714 | EPA 524.2 | MSV/70186 | | |
| 50105553007 | BPIT-LEC2B-101714 | EPA 524.2 | MSV/70186 | | |
| 50105553008 | BPIT-LEC1B-101714 | EPA 524.2 | MSV/70186 | | |
| 50105553009 | BPIT-LEC3A-101714 | EPA 524.2 | MSV/70240 | | |
| 50105553010 | BPIT-DUP01-101714 | EPA 524.2 | MSV/70240 | | |
| 50105553011 | BPIT-Tripblank-101714 | EPA 524.2 | MSV/70240 | | |

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

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

Req Due Date (mm/dd/yy):

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 PMI: 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 PMI: Kyle Amberger | | | |
| Lab Shipping Acct: | | Erinos Proposal No: 007VX-0017 | | Phone: 317-876-8375 x 240 Email: kyle.amberger@stantec.com | | | |
| Lab Bottle Order No: | | Accounting Mode: OMM 60 | | Email EDD To: Kyle Amberger and to lab.erinosdoc@bp.com | | | |
| Other Info: | | Stage: OMM 60 | | Invoice To: BP X Contractor | | | |
| BP Project Manager (PM): Bruno Mancini | | No. Containers / Preservative | | Requested Analyses | | Report Type & QC Level | |
| BP PM Phone: 216-271-8852 | | Matrix | | Total Number of Containers | | Standard <input checked="" type="checkbox"/> | |
| BP PM Email: bruno.mancini@bp.com | | Is this location a well? | | Unpreserved | | Full Data Package <input type="checkbox"/> | |
| Lab No. | Sample Description | Date | Time | Water / Liquid | Air / Vapor | PAHs by 8270SIM | Comments |
| | BPIT-LEC2B-101714 | 10/17/14 | 1208 | X | 3 | X | 5010553 |
| | BPIT-LEC2A-101714 | 10/17/14 | 1216 | 1 | 3 | 1 | Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description. |
| | BPIT-LEC5B-101714 | 10/17/14 | 1248 | 1 | 3 | 1 | |
| | BPIT-LEC3B-101714 | 10/17/14 | 1222 | 1 | 3 | 1 | |
| | BPIT-LEC2A-101714 | 10/17/14 | 1230 | 1 | 3 | 1 | |
| | BPIT-LEC4B-101714 | 10/17/14 | 1242 | 1 | 3 | 1 | |
| | BPIT-LEC2B-101714 | 10/17/14 | 1253 | 1 | 3 | 1 | |
| | BPIT-LEC2B-101714 | 10/17/14 | 1300 | 1 | 3 | 1 | |
| | BPIT-LEC3A-101714 | 10/17/14 | 1305 | 1 | 3 | 1 | |
| | BPIT-Dropout-101714 | 10/17/14 | --- | 1 | 3 | 1 | 3x Vol for M4 M50 |
| Sampler's Name: Kyle Amberger | | Relinquished By / Affiliation | | Date | | Time | |
| Sampler's Company: Stantec | | 10/17/14 | | 10/17/14 | | 1440 | |
| Shipment Method: Hand Delivered | | Ship Date: 10/17/14 | | 10/17/14 | | 1440 | |
| Shipment Tracking No: | | | | | | | |

2 Special Instructions:

26 THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No

Temp Blank: Yes ☒ No ☐ Cooler Temp on Receipt: ☐

Trip Blank Yes / No

MS/MSD Sample Submitted Yes (N=

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

BP LaMP COC Rév. 7, Jul 29, 2010

Sample Condition Upon Receipt

Face Analytical

Client Name: BP STANTEC

Project # 50105553

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

Tracking #: _____

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

Date/Time 5036A 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 1.0°C
(Corrected, if applicable)

Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: 10/17/14 SJ

| | | |
|---|--|---------------------------------|
| Chain of Custody Present: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 1. |
| Chain of Custody Filled Out: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 2. |
| Chain of Custody Relinquished: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 3. |
| Sampler Name & Signature on COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 4. |
| Short Hold Time Analysis (<72hr): | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 5. |
| Rush Turn Around Time Requested: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 6. |
| Containers Intact: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 7. |
| Sample Labels match COC: -Includes date/time/ID/Analysis | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 8. |
| All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 9. (Circle) HNO3 H2SO4 NaOH HCl |
| All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted. | | |
| Headspace in VOA Vials (>6mm): | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 10. |
| Trip Blank Present: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 11. |
| Trip Blank Custody Seals Present | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Project Manager Review | | |
| Samples Arrived within Hold Time: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 12. |
| Sufficient Volume: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 13. |
| Correct Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 14. |

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review:

[Signature]

Date: 10-17-14

Sample Container Count



CLIENT: BP STANTEC

COC PAGE 1 of 2

COC ID#

Project # SO18553

| Sample Line Item | DG9H | AG1U | WG9U | AG0U | R | 4/6 | BP2N | BP2U | BP2S | BP3N | BP3U | BP3S | AG3S | AG1H | pH <2 | pH >12 | Comments |
|------------------|------|------|------|------|---|-----|------|------|------|------|------|------|------|------|-------|--------|----------|
| 1 | 3 | | | 2 | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | 9 | | | | | | | | | | | | | | | | |
| 10 | 3 | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | |

Container Codes

| | | | | | | | | | | | |
|------|---------------------|-------------|------|------------------------|-------------|------|----------------------|------------|------|-----------------------|------------|
| DG9H | 40mL HCL | amber vial | AG0U | 100mL unpreserved | amber gl | BP1N | 1 liter HNO3 | plastic | DG9P | 40mL TSP | amber vial |
| AG1U | 1liter unpreserved | amber gl | AG1H | 1 liter HCL | amber glass | BP1S | 1 liter H2SO4 | plastic | DG9S | 40mL H2SO4 | amber vial |
| WG9U | 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 gl | 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 | | 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 gl | BP2Z | 500mL NaOH, Zn Ac | | U | Summa Can | |
| BP3N | 250mL HNO3 | plastic | AG3U | 250mL unpreserved | amber gl | 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 # S0105553

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

Container Codes

| | | | | | | | |
|-------|-------------------------------|------|---------------------------------|------|------------------------------|------|-----------------------------|
| DG9H | 40mL HCL amber vial | AG0U | 100mL unpreserved amber gl | BP1N | 1 liter HNO3 plastic | DG9P | 40mL TSP amber vial |
| AG1U | 1 liter unpreserved amber gla | AG1H | 1 liter HCL amber glass | BP1S | 1 liter H2SO4 plastic | DG9S | 40mL H2SO4 amber vial |
| WGUFU | 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 |

ATTACHMENT B
STANTEC ANALYTICAL VALIDATION CHECKLIST
October 2014 SAMPLING EVENT

Stantec Analytical Validation Checklist**Report No. 111814-EC-01**

| | | | |
|--|---|----------|---------|
| Project Name: BP – Indy Terminal # 215 | Project Number: 182612296 | | |
| Stantec Validator: Elizabeth Crowley | Laboratory: Pace Analytical, Indianapolis, IL | | |
| Date Validated: 11/14/14 | Laboratory Project Number: 50105553 | | |
| Sample Start-End Date: 10/17/14 | Laboratory Report Date: 10/28/14 | | |
| 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-LEC3B-101714 and BPIT-LEC1A-101714 | | | |
| 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. | | |
| 1. | Were all the analyses requested for the samples submitted with each COC completed by the lab? | Yes X | No |
| Comments: | | | |
| 2. | Did the laboratory identify any non-conformances related to the analytical result? | Yes | No X |
| Comments: | | | |
| 3. | Were sample Chain-of-Custody forms complete? | Yes X | No |
| Comments: | | | |
| 4. | Were samples received in good condition and at the appropriate temperature? | Yes X | No |
| Comments: | | | |
| 5. | Were sample holding times met? | Yes X | No |
| Comments: | | | |
| 6. | Were correct concentration units reported? | Yes X | No |
| 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 | 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. | | Yes X | No |
| Duplicate Sample No. | Primary Sample 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: | | | |