## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **18-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **18-Jul-12** |
| | | **Start Time:** | **18:15** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/18/12 | 6:15:16 PM | 0.29 | 215 | 562 | 19 |
| 7/18/12 | 6:16:16 PM | 0.29 | 215 | 562 | 19 |
| 7/18/12 | 6:17:16 PM | 0.29 | 216 | 560 | 19 |
| 7/18/12 | 6:18:16 PM | 0.29 | 217 | 562 | 18 |
| 7/18/12 | 6:19:16 PM | 0.28 | 218 | 559 | 18 |
| 7/18/12 | 6:20:16 PM | 0.28 | 218 | 558 | 19 |
| 7/18/12 | 6:21:16 PM | 0.28 | 218 | 557 | 19 |
| 7/18/12 | 6:22:16 PM | 0.28 | 219 | 558 | 19 |
| 7/18/12 | 6:23:16 PM | 0.28 | 219 | 564 | 19 |
| 7/18/12 | 6:24:16 PM | 0.28 | 218 | 576 | 19 |
| 7/18/12 | 6:25:16 PM | 0.29 | 217 | 577 | 19 |
| 7/18/12 | 6:26:16 PM | 0.29 | 217 | 581 | 19 |
| 7/18/12 | 6:27:16 PM | 0.29 | 216 | 591 | 18 |
| 7/18/12 | 6:28:16 PM | 0.29 | 218 | 598 | 18 |
| 7/18/12 | 6:29:16 PM | 0.28 | 216 | 609 | 19 |
| 7/18/12 | 6:30:16 PM | 0.29 | 216 | 609 | 19 |
| 7/18/12 | 6:31:16 PM | 0.28 | 216 | 599 | 19 |
| 7/18/12 | 6:32:16 PM | 0.29 | 217 | 586 | 19 |
| 7/18/12 | 6:33:16 PM | 0.29 | 216 | 576 | 19 |
| 7/18/12 | 6:34:16 PM | 0.29 | 216 | 645 | 19 |
| 7/18/12 | 6:35:16 PM | 0.29 | 217 | 606 | 19 |
| 7/18/12 | 6:36:16 PM | 0.29 | 217 | 587 | 19 |
| 7/18/12 | 6:37:16 PM | 0.29 | 218 | 578 | 19 |
| 7/18/12 | 6:38:16 PM | 0.28 | 218 | 572 | 19 |
| 7/18/12 | 6:39:16 PM | 0.28 | 218 | 566 | 19 |
| 7/18/12 | 6:40:16 PM | 0.29 | 220 | 603 | 19 |
| 7/18/12 | 6:41:16 PM | 0.29 | 219 | 632 | 19 |
| 7/18/12 | 6:42:16 PM | 0.28 | 220 | 603 | 19 |
| 7/18/12 | 6:43:16 PM | 0.28 | 221 | 597 | 19 |
| 7/18/12 | 6:44:16 PM | 0.28 | 221 | 597 | 19 |
| 7/18/12 | 6:45:16 PM | 0.28 | 221 | 593 | 19 |
| 7/18/12 | 6:46:16 PM | 0.28 | 220 | 587 | 19 |
| 7/18/12 | 6:47:16 PM | 0.28 | 220 | 579 | 19 |
| 7/18/12 | 6:48:16 PM | 0.28 | 219 | 574 | 19 |
| 7/18/12 | 6:49:16 PM | 0.29 | 219 | 564 | 19 |
| 7/18/12 | 6:50:16 PM | 0.28 | 219 | 558 | 19 |
| 7/18/12 | 6:51:16 PM | 0.28 | 217 | 555 | 19 |
| 7/18/12 | 6:52:16 PM | 0.29 | 216 | 550 | 19 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **18-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **18-Jul-12** |
| | | **Start Time:** | **18:15** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/18/12 | 6:53:16 PM | 0.29 | 217 | 543 | 20 |
| 7/18/12 | 6:54:16 PM | 0.29 | 218 | 537 | 20 |
| 7/18/12 | 6:55:16 PM | 0.29 | 217 | 535 | 20 |
| 7/18/12 | 6:56:16 PM | 0.29 | 217 | 533 | 20 |
| 7/18/12 | 6:57:16 PM | 0.29 | 217 | 530 | 19 |
| 7/18/12 | 6:58:16 PM | 0.29 | 215 | 530 | 19 |
| 7/18/12 | 6:59:16 PM | 0.29 | 215 | 526 | 19 |
| 7/18/12 | 7:00:16 PM | 0.29 | 215 | 523 | 19 |
| 7/18/12 | 7:01:16 PM | 0.28 | 216 | 519 | 19 |
| 7/18/12 | 7:02:16 PM | 0.29 | 216 | 522 | 19 |
| 7/18/12 | 7:03:16 PM | 0.29 | 215 | 516 | 19 |
| 7/18/12 | 7:04:16 PM | 0.29 | 215 | 519 | 19 |
| 7/18/12 | 7:05:16 PM | 0.29 | 215 | 522 | 19 |
| 7/18/12 | 7:06:16 PM | 0.29 | 215 | 519 | 19 |
| 7/18/12 | 7:07:16 PM | 0.29 | 214 | 521 | 19 |
| 7/18/12 | 7:08:16 PM | 0.29 | 215 | 519 | 19 |
| 7/18/12 | 7:09:16 PM | 0.29 | 214 | 517 | 19 |
| 7/18/12 | 7:10:16 PM | 0.28 | 214 | 518 | 19 |
| 7/18/12 | 7:11:16 PM | 0.29 | 216 | 515 | 19 |
| 7/18/12 | 7:12:16 PM | 0.29 | 214 | 516 | 19 |
| 7/18/12 | 7:13:16 PM | 0.29 | 213 | 510 | 19 |
| 7/18/12 | 7:14:16 PM | 0.29 | 213 | 510 | 19 |
| 7/18/12 | 7:15:16 PM | 0.29 | 213 | 508 | 19 |
| 7/18/12 | 7:16:16 PM | 0.29 | 212 | 505 | 19 |
| 7/18/12 | 7:17:16 PM | 0.29 | 212 | 502 | 19 |
| 7/18/12 | 7:18:16 PM | 0.29 | 213 | 501 | 19 |
| 7/18/12 | 7:19:16 PM | 0.29 | 213 | 498 | 19 |
| 7/18/12 | 7:20:16 PM | 0.29 | 214 | 498 | 19 |
| 7/18/12 | 7:21:16 PM | 0.29 | 215 | 499 | 18 |
| 7/18/12 | 7:22:16 PM | 0.28 | 215 | 498 | 18 |
| 7/18/12 | 7:23:16 PM | 0.29 | 216 | 499 | 19 |
| 7/18/12 | 7:24:16 PM | 0.29 | 215 | 496 | 19 |
| 7/18/12 | 7:25:16 PM | 0.29 | 215 | 492 | 19 |
| 7/18/12 | 7:26:16 PM | 0.29 | 215 | 492 | 19 |
| 7/18/12 | 7:27:16 PM | 0.29 | 215 | 490 | 18 |
| 7/18/12 | 7:28:16 PM | 0.29 | 215 | 491 | 18 |
| 7/18/12 | 7:29:16 PM | 0.29 | 216 | 488 | 19 |
| 7/18/12 | 7:30:16 PM | 0.28 | 215 | 484 | 19 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **18-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **18-Jul-12** |
| | | **Start Time:** | **18:15** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/18/12 | 7:31:16 PM | 0.28 | 216 | 482 | 19 |
| 7/18/12 | 7:32:16 PM | 0.29 | 217 | 485 | 19 |
| 7/18/12 | 7:33:16 PM | 0.29 | 216 | 486 | 18 |
| 7/18/12 | 7:34:16 PM | 0.28 | 217 | 482 | 18 |
| 7/18/12 | 7:35:16 PM | 0.29 | 217 | 479 | 18 |
| 7/18/12 | 7:36:16 PM | 0.29 | 217 | 479 | 18 |
| 7/18/12 | 7:37:16 PM | 0.29 | 215 | 476 | 18 |
| 7/18/12 | 7:38:16 PM | 0.29 | 216 | 476 | 18 |
| 7/18/12 | 7:39:16 PM | 0.29 | 215 | 475 | 18 |
| 7/18/12 | 7:40:16 PM | 0.29 | 215 | 473 | 18 |
| 7/18/12 | 7:41:16 PM | 0.29 | 215 | 471 | 18 |
| 7/18/12 | 7:42:16 PM | 0.28 | 215 | 472 | 18 |
| 7/18/12 | 7:43:16 PM | 0.29 | 215 | 473 | 18 |
| 7/18/12 | 7:44:16 PM | 0.29 | 215 | 470 | 18 |
| 7/18/12 | 7:45:16 PM | 0.29 | 215 | 468 | 17 |
| 7/18/12 | 7:46:16 PM | 0.29 | 216 | 468 | 17 |
| 7/18/12 | 7:47:16 PM | 0.28 | 216 | 468 | 17 |
| 7/18/12 | 7:48:16 PM | 0.28 | 216 | 470 | 17 |
| 7/18/12 | 7:49:16 PM | 0.29 | 216 | 467 | 17 |
| 7/18/12 | 7:50:16 PM | 0.28 | 217 | 468 | 17 |
| 7/18/12 | 7:51:16 PM | 0.28 | 218 | 467 | 17 |
| 7/18/12 | 7:52:16 PM | 0.28 | 217 | 466 | 17 |
| 7/18/12 | 7:53:16 PM | 0.28 | 218 | 464 | 17 |
| 7/18/12 | 7:54:16 PM | 0.28 | 219 | 461 | 17 |
| 7/18/12 | 7:55:16 PM | 0.28 | 219 | 462 | 17 |
| 7/18/12 | 7:56:16 PM | 0.28 | 218 | 466 | 17 |
| 7/18/12 | 7:57:16 PM | 0.28 | 219 | 468 | 17 |
| 7/18/12 | 7:58:16 PM | 0.28 | 221 | 464 | 17 |
| 7/18/12 | 7:59:16 PM | 0.28 | 223 | 465 | 17 |
| 7/18/12 | 8:00:16 PM | 0.28 | 222 | 462 | 17 |
| 7/18/12 | 8:01:16 PM | 0.28 | 223 | 458 | 17 |
| 7/18/12 | 8:02:16 PM | 0.28 | 224 | 455 | 17 |
| 7/18/12 | 8:03:16 PM | 0.28 | 226 | 455 | 17 |
| 7/18/12 | 8:04:16 PM | 0.28 | 226 | 456 | 17 |
| 7/18/12 | 8:05:16 PM | 0.28 | 227 | 461 | 17 |
| 7/18/12 | 8:06:16 PM | 0.28 | 227 | 461 | 17 |
| 7/18/12 | 8:07:16 PM | 0.27 | 227 | 461 | 17 |
| 7/18/12 | 8:08:16 PM | 0.28 | 228 | 461 | 17 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **18-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **18-Jul-12** |
| | | **Start Time:** | **18:15** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/18/12 | 8:09:16 PM | 0.28 | 228 | 460 | 17 |
| 7/18/12 | 8:10:16 PM | 0.28 | 227 | 458 | 17 |
| 7/18/12 | 8:11:16 PM | 0.28 | 226 | 462 | 17 |
| 7/18/12 | 8:12:16 PM | 0.28 | 226 | 461 | 17 |
| 7/18/12 | 8:13:16 PM | 0.28 | 226 | 458 | 17 |
| 7/18/12 | 8:14:16 PM | 0.28 | 226 | 456 | 17 |
| 7/18/12 | 8:15:16 PM | 0.28 | 226 | 453 | 16 |
| 7/18/12 | 8:16:16 PM | 0.27 | 226 | 494 | 16 |
| 7/18/12 | 8:17:16 PM | 0.27 | 227 | 515 | 16 |
| 7/18/12 | 8:18:16 PM | 0.28 | 227 | 506 | 16 |
| 7/18/12 | 8:19:16 PM | 0.27 | 226 | 487 | 16 |
| 7/18/12 | 8:20:16 PM | 0.28 | 227 | 476 | 16 |
| 7/18/12 | 8:21:16 PM | 0.27 | 227 | 469 | 16 |
| 7/18/12 | 8:22:16 PM | 0.28 | 227 | 463 | 16 |
| 7/18/12 | 8:23:16 PM | 0.27 | 227 | 458 | 16 |
| 7/18/12 | 8:24:16 PM | 0.28 | 227 | 457 | 16 |
| 7/18/12 | 8:25:16 PM | 0.28 | 227 | 453 | 16 |
| 7/18/12 | 8:26:16 PM | 0.28 | 226 | 447 | 16 |
| 7/18/12 | 8:27:16 PM | 0.28 | 227 | 447 | 16 |
| 7/18/12 | 8:28:16 PM | 0.28 | 227 | 447 | 16 |
| 7/18/12 | 8:29:16 PM | 0.28 | 226 | 442 | 16 |
| 7/18/12 | 8:30:16 PM | 0.28 | 224 | 437 | 16 |
| 7/18/12 | 8:31:16 PM | 0.29 | 222 | 435 | 16 |
| 7/18/12 | 8:32:16 PM | 0.29 | 221 | 432 | 16 |
| 7/18/12 | 8:33:16 PM | 0.29 | 219 | 430 | 16 |
| 7/18/12 | 8:34:16 PM | 0.28 | 218 | 428 | 16 |
| 7/18/12 | 8:35:16 PM | 0.28 | 219 | 427 | 16 |
| 7/18/12 | 8:36:16 PM | 0.28 | 220 | 426 | 15 |
| 7/18/12 | 8:37:16 PM | 0.28 | 221 | 427 | 15 |
| 7/18/12 | 8:38:16 PM | 0.28 | 221 | 430 | 16 |
| 7/18/12 | 8:39:16 PM | 0.28 | 222 | 427 | 16 |
| 7/18/12 | 8:40:16 PM | 0.28 | 223 | 427 | 16 |
| 7/18/12 | 8:41:16 PM | 0.28 | 223 | 428 | 16 |
| 7/18/12 | 8:42:16 PM | 0.28 | 225 | 427 | 16 |
| 7/18/12 | 8:43:16 PM | 0.28 | 226 | 427 | 16 |
| 7/18/12 | 8:44:16 PM | 0.28 | 227 | 429 | 16 |
| 7/18/12 | 8:45:16 PM | 0.27 | 227 | 432 | 15 |
| 7/18/12 | 8:46:16 PM | 0.28 | 227 | 433 | 15 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **18-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **18-Jul-12** |
| | | **Start Time:** | **18:15** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/18/12 | 8:47:16 PM | 0.28 | 226 | 433 | 15 |
| 7/18/12 | 8:48:16 PM | 0.28 | 226 | 432 | 15 |
| 7/18/12 | 8:49:16 PM | 0.28 | 225 | 430 | 15 |
| 7/18/12 | 8:50:16 PM | 0.28 | 225 | 428 | 16 |
| 7/18/12 | 8:51:16 PM | 0.28 | 224 | 427 | 16 |
| 7/18/12 | 8:52:16 PM | 0.28 | 224 | 431 | 16 |
| 7/18/12 | 8:53:16 PM | 0.28 | 223 | 427 | 15 |
| 7/18/12 | 8:54:16 PM | 0.28 | 223 | 426 | 15 |
| 7/18/12 | 8:55:16 PM | 0.28 | 223 | 426 | 15 |
| 7/18/12 | 8:56:16 PM | 0.28 | 223 | 426 | 16 |
| 7/18/12 | 8:57:16 PM | 0.28 | 223 | 425 | 16 |
| 7/18/12 | 8:58:16 PM | 0.28 | 222 | 426 | 16 |
| 7/18/12 | 8:59:16 PM | 0.28 | 222 | 428 | 15 |
| 7/18/12 | 9:00:16 PM | 0.28 | 221 | 424 | 15 |
| 7/18/12 | 9:01:16 PM | 0.29 | 220 | 420 | 15 |
| 7/18/12 | 9:02:16 PM | 0.28 | 220 | 420 | 15 |
| 7/18/12 | 9:03:16 PM | 0.28 | 219 | 419 | 15 |
| 7/18/12 | 9:04:16 PM | 0.28 | 220 | 416 | 15 |
| 7/18/12 | 9:05:16 PM | 0.28 | 220 | 416 | 15 |
| 7/18/12 | 9:06:16 PM | 0.28 | 220 | 417 | 15 |
| 7/18/12 | 9:07:16 PM | 0.28 | 219 | 415 | 15 |
| 7/18/12 | 9:08:16 PM | 0.28 | 219 | 416 | 15 |
| 7/18/12 | 9:09:16 PM | 0.29 | 219 | 415 | 15 |
| 7/18/12 | 9:10:16 PM | 0.29 | 219 | 414 | 15 |
| 7/18/12 | 9:11:16 PM | 0.29 | 219 | 416 | 15 |
| 7/18/12 | 9:12:16 PM | 0.28 | 218 | 417 | 15 |
| 7/18/12 | 9:13:16 PM | 0.29 | 218 | 416 | 15 |
| 7/18/12 | 9:14:16 PM | 0.28 | 218 | 419 | 15 |
| 7/18/12 | 9:15:16 PM | 0.28 | 218 | 420 | 15 |
| 7/18/12 | 9:16:16 PM | 0.28 | 218 | 419 | 15 |
| 7/18/12 | 9:17:16 PM | 0.29 | 218 | 419 | 15 |
| 7/18/12 | 9:18:16 PM | 0.29 | 218 | 418 | 14 |
| 7/18/12 | 9:19:16 PM | 0.29 | 218 | 421 | 14 |
| 7/18/12 | 9:20:16 PM | 0.29 | 218 | 419 | 14 |
| 7/18/12 | 9:21:16 PM | 0.29 | 216 | 417 | 14 |
| 7/18/12 | 9:22:16 PM | 0.29 | 215 | 417 | 14 |
| 7/18/12 | 9:23:16 PM | 0.29 | 215 | 416 | 14 |
| 7/18/12 | 9:24:16 PM | 0.29 | 214 | 413 | 14 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **18-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **18-Jul-12** |
| | | **Start Time:** | **18:15** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/18/12 | 9:25:16 PM | 0.29 | 213 | 414 | 14 |
| 7/18/12 | 9:26:16 PM | 0.30 | 213 | 413 | 15 |
| 7/18/12 | 9:27:16 PM | 0.29 | 212 | 412 | 15 |
| 7/18/12 | 9:28:16 PM | 0.29 | 212 | 411 | 15 |
| 7/18/12 | 9:29:16 PM | 0.29 | 213 | 410 | 15 |
| 7/18/12 | 9:30:16 PM | 0.29 | 212 | 411 | 14 |
| 7/18/12 | 9:31:16 PM | 0.29 | 213 | 412 | 14 |
| 7/18/12 | 9:32:16 PM | 0.29 | 212 | 411 | 14 |
| 7/18/12 | 9:33:16 PM | 0.29 | 213 | 412 | 14 |
| 7/18/12 | 9:34:16 PM | 0.28 | 214 | 414 | 14 |
| 7/18/12 | 9:35:16 PM | 0.29 | 215 | 414 | 14 |
| 7/18/12 | 9:36:16 PM | 0.29 | 215 | 415 | 14 |
| 7/18/12 | 9:37:16 PM | 0.29 | 215 | 412 | 14 |
| 7/18/12 | 9:38:16 PM | 0.29 | 215 | 414 | 14 |
| 7/18/12 | 9:39:16 PM | 0.29 | 214 | 413 | 14 |
| 7/18/12 | 9:40:16 PM | 0.29 | 214 | 412 | 14 |
| 7/18/12 | 9:41:16 PM | 0.29 | 214 | 413 | 14 |
| 7/18/12 | 9:42:16 PM | 0.28 | 214 | 413 | 14 |
| 7/18/12 | 9:43:16 PM | 0.29 | 214 | 413 | 14 |
| 7/18/12 | 9:44:16 PM | 0.29 | 214 | 414 | 14 |
| 7/18/12 | 9:45:16 PM | 0.29 | 215 | 413 | 14 |
| 7/18/12 | 9:46:16 PM | 0.29 | 215 | 412 | 14 |
| 7/18/12 | 9:47:16 PM | 0.29 | 214 | 410 | 14 |
| 7/18/12 | 9:48:16 PM | 0.29 | 214 | 410 | 14 |
| 7/18/12 | 9:49:16 PM | 0.29 | 214 | 409 | 14 |
| 7/18/12 | 9:50:16 PM | 0.29 | 213 | 407 | 14 |
| 7/18/12 | 9:51:16 PM | 0.29 | 212 | 405 | 14 |
| 7/18/12 | 9:52:16 PM | 0.29 | 212 | 406 | 14 |
| 7/18/12 | 9:53:16 PM | 0.29 | 213 | 407 | 14 |
| 7/18/12 | 9:54:16 PM | 0.29 | 214 | 406 | 14 |
| 7/18/12 | 9:55:16 PM | 0.29 | 214 | 406 | 14 |
| 7/18/12 | 9:56:16 PM | 0.29 | 214 | 405 | 14 |
| 7/18/12 | 9:57:16 PM | 0.29 | 214 | 407 | 14 |
| 7/18/12 | 9:58:16 PM | 0.28 | 214 | 403 | 14 |
| 7/18/12 | 9:59:16 PM | 0.29 | 215 | 404 | 15 |
| 7/18/12 | 10:00:16 PM | 0.29 | 216 | 408 | 15 |
| 7/18/12 | 10:01:16 PM | 0.29 | 216 | 406 | 15 |
| 7/18/12 | 10:02:16 PM | 0.28 | 217 | 405 | 14 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **18-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **18-Jul-12** |
| | | **Start Time:** | **18:15** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/18/12 10:03:16 PM | 0.28 | 217 | 407 | 14 |
| 7/18/12 10:04:16 PM | 0.29 | 217 | 405 | 14 |
| 7/18/12 10:05:16 PM | 0.28 | 218 | 406 | 14 |
| 7/18/12 10:06:16 PM | 0.29 | 218 | 409 | 14 |
| 7/18/12 10:07:16 PM | 0.29 | 217 | 410 | 14 |
| 7/18/12 10:08:16 PM | 0.28 | 218 | 410 | 14 |
| 7/18/12 10:09:16 PM | 0.28 | 218 | 408 | 14 |
| 7/18/12 10:10:16 PM | 0.29 | 219 | 407 | 14 |
| 7/18/12 10:11:16 PM | 0.29 | 217 | 412 | 14 |
| 7/18/12 10:12:16 PM | 0.29 | 215 | 414 | 14 |
| 7/18/12 10:13:16 PM | 0.29 | 215 | 411 | 14 |
| 7/18/12 10:14:16 PM | 0.29 | 216 | 410 | 14 |
| 7/18/12 10:15:16 PM | 0.29 | 216 | 412 | 14 |
| 7/18/12 10:16:16 PM | 0.29 | 216 | 411 | 14 |
| 7/18/12 10:17:16 PM | 0.29 | 215 | 409 | 14 |
| 7/18/12 10:18:16 PM | 0.29 | 214 | 404 | 14 |
| 7/18/12 10:19:16 PM | 0.29 | 215 | 403 | 14 |
| 7/18/12 10:20:16 PM | 0.29 | 215 | 404 | 14 |
| 7/18/12 10:21:16 PM | 0.29 | 215 | 403 | 14 |
| 7/18/12 10:22:16 PM | 0.29 | 215 | 403 | 14 |
| 7/18/12 10:23:16 PM | 0.29 | 215 | 402 | 14 |
| 7/18/12 10:24:16 PM | 0.29 | 215 | 402 | 14 |
| 7/18/12 10:25:16 PM | 0.29 | 215 | 404 | 14 |
| 7/18/12 10:26:16 PM | 0.29 | 216 | 404 | 14 |
| 7/18/12 10:27:16 PM | 0.30 | 214 | 402 | 14 |
| 7/18/12 10:28:16 PM | 0.29 | 214 | 401 | 14 |
| 7/18/12 10:29:16 PM | 0.30 | 215 | 399 | 14 |
| 7/18/12 10:30:16 PM | 0.29 | 214 | 399 | 14 |
| 7/18/12 10:31:16 PM | 0.29 | 214 | 397 | 14 |
| 7/18/12 10:32:16 PM | 0.30 | 213 | 395 | 14 |
| 7/18/12 10:33:16 PM | 0.29 | 213 | 396 | 13 |
| 7/18/12 10:34:16 PM | 0.29 | 212 | 392 | 13 |
| 7/18/12 10:35:16 PM | 0.29 | 212 | 393 | 14 |
| 7/18/12 10:36:16 PM | 0.30 | 212 | 394 | 14 |
| 7/18/12 10:37:16 PM | 0.29 | 214 | 397 | 14 |
| 7/18/12 10:38:16 PM | 0.30 | 214 | 397 | 14 |
| 7/18/12 10:39:16 PM | 0.29 | 212 | 399 | 14 |
| 7/18/12 10:40:16 PM | 0.29 | 213 | 395 | 14 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **18-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **18-Jul-12** |
| | | **Start Time:** | **18:15** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/18/12 10:41:16 PM | 0.29 | 214 | 397 | 14 |
| 7/18/12 10:42:16 PM | 0.29 | 215 | 396 | 13 |
| 7/18/12 10:43:16 PM | 0.29 | 214 | 396 | 13 |
| 7/18/12 10:44:16 PM | 0.29 | 214 | 394 | 14 |
| 7/18/12 10:45:16 PM | 0.29 | 215 | 397 | 14 |
| 7/18/12 10:46:16 PM | 0.29 | 213 | 395 | 14 |
| 7/18/12 10:47:16 PM | 0.29 | 213 | 392 | 14 |
| 7/18/12 10:48:16 PM | 0.29 | 214 | 393 | 14 |
| 7/18/12 10:49:16 PM | 0.29 | 213 | 392 | 14 |
| 7/18/12 10:50:16 PM | 0.29 | 213 | 391 | 14 |
| 7/18/12 10:51:16 PM | 0.29 | 214 | 397 | 14 |
| 7/18/12 10:52:16 PM | 0.29 | 213 | 396 | 14 |
| 7/18/12 10:53:16 PM | 0.29 | 213 | 393 | 14 |
| 7/18/12 10:54:16 PM | 0.29 | 214 | 391 | 14 |
| 7/18/12 10:55:16 PM | 0.29 | 215 | 394 | 14 |
| 7/18/12 10:56:16 PM | 0.29 | 216 | 395 | 14 |
| 7/18/12 10:57:16 PM | 0.29 | 215 | 395 | 14 |
| 7/18/12 10:58:16 PM | 0.29 | 216 | 396 | 14 |
| 7/18/12 10:59:16 PM | 0.29 | 215 | 399 | 14 |
| 7/18/12 11:00:16 PM | 0.29 | 215 | 393 | 13 |
| 7/18/12 11:01:16 PM | 0.29 | 215 | 391 | 13 |
| 7/18/12 11:02:16 PM | 0.28 | 215 | 392 | 14 |
| 7/18/12 11:03:16 PM | 0.28 | 216 | 393 | 14 |
| 7/18/12 11:04:16 PM | 0.29 | 217 | 393 | 14 |
| 7/18/12 11:05:16 PM | 0.28 | 217 | 392 | 14 |
| 7/18/12 11:06:16 PM | 0.28 | 218 | 392 | 13 |
| 7/18/12 11:07:16 PM | 0.28 | 219 | 394 | 13 |
| 7/18/12 11:08:16 PM | 0.29 | 218 | 394 | 13 |
| 7/18/12 11:09:16 PM | 0.29 | 218 | 390 | 13 |
| 7/18/12 11:10:16 PM | 0.29 | 218 | 392 | 13 |
| 7/18/12 11:11:16 PM | 0.29 | 219 | 395 | 14 |
| 7/18/12 11:12:16 PM | 0.28 | 220 | 395 | 14 |
| 7/18/12 11:13:16 PM | 0.29 | 219 | 394 | 14 |
| 7/18/12 11:14:16 PM | 0.29 | 219 | 393 | 14 |
| 7/18/12 11:15:16 PM | 0.29 | 218 | 399 | 14 |
| 7/18/12 11:16:16 PM | 0.29 | 217 | 397 | 14 |
| 7/18/12 11:17:16 PM | 0.29 | 215 | 395 | 14 |
| 7/18/12 11:18:16 PM | 0.29 | 216 | 395 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **18-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **18-Jul-12** |
| | | **Start Time:** | **18:15** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/18/12 11:19:16 PM | 0.29 | 216 | 394 | 13 |
| 7/18/12 11:20:16 PM | 0.29 | 216 | 391 | 14 |
| 7/18/12 11:21:16 PM | 0.28 | 216 | 390 | 14 |
| 7/18/12 11:22:16 PM | 0.29 | 216 | 391 | 14 |
| 7/18/12 11:23:16 PM | 0.29 | 216 | 389 | 14 |
| 7/18/12 11:24:16 PM | 0.29 | 217 | 389 | 13 |
| 7/18/12 11:25:16 PM | 0.28 | 217 | 388 | 13 |
| 7/18/12 11:26:16 PM | 0.29 | 217 | 388 | 13 |
| 7/18/12 11:27:16 PM | 0.29 | 217 | 388 | 13 |
| 7/18/12 11:28:16 PM | 0.29 | 216 | 385 | 13 |
| 7/18/12 11:29:16 PM | 0.29 | 216 | 387 | 13 |
| 7/18/12 11:30:16 PM | 0.29 | 215 | 386 | 13 |
| 7/18/12 11:31:16 PM | 0.29 | 216 | 384 | 13 |
| 7/18/12 11:32:16 PM | 0.29 | 216 | 385 | 13 |
| 7/18/12 11:33:16 PM | 0.29 | 216 | 383 | 13 |
| 7/18/12 11:34:16 PM | 0.29 | 217 | 384 | 13 |
| 7/18/12 11:35:16 PM | 0.29 | 217 | 385 | 14 |
| 7/18/12 11:36:16 PM | 0.29 | 218 | 385 | 14 |
| 7/18/12 11:37:16 PM | 0.29 | 219 | 384 | 14 |
| 7/18/12 11:38:16 PM | 0.28 | 219 | 386 | 14 |
| 7/18/12 11:39:16 PM | 0.29 | 220 | 388 | 13 |
| 7/18/12 11:40:16 PM | 0.28 | 220 | 388 | 13 |
| 7/18/12 11:41:16 PM | 0.28 | 220 | 389 | 13 |
| 7/18/12 11:42:16 PM | 0.28 | 221 | 391 | 13 |
| 7/18/12 11:43:16 PM | 0.28 | 223 | 392 | 13 |
| 7/18/12 11:44:16 PM | 0.28 | 223 | 394 | 13 |
| 7/18/12 11:45:16 PM | 0.28 | 224 | 396 | 13 |
| 7/18/12 11:46:16 PM | 0.28 | 224 | 396 | 13 |
| 7/18/12 11:47:16 PM | 0.28 | 224 | 398 | 13 |
| 7/18/12 11:48:16 PM | 0.28 | 225 | 396 | 13 |
| 7/18/12 11:49:16 PM | 0.28 | 226 | 397 | 13 |
| 7/18/12 11:50:16 PM | 0.28 | 226 | 398 | 13 |
| 7/18/12 11:51:16 PM | 0.28 | 226 | 398 | 12 |
| 7/18/12 11:52:16 PM | 0.28 | 225 | 397 | 12 |
| 7/18/12 11:53:16 PM | 0.28 | 225 | 396 | 13 |
| 7/18/12 11:54:16 PM | 0.28 | 225 | 396 | 13 |
| 7/18/12 11:55:16 PM | 0.28 | 224 | 397 | 13 |
| 7/18/12 11:56:16 PM | 0.28 | 225 | 410 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **18-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **18-Jul-12** |
| | | **Start Time:** | **18:15** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/18/12 11:57:16 PM | 0.28 | 225 | 399 | 13 |
| 7/18/12 11:58:16 PM | 0.28 | 225 | 397 | 13 |
| 7/18/12 11:59:16 PM | 0.28 | 225 | 396 | 13 |
| Averages | 0.29 | 218 | 447 | 16 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/19/12 12:00:16 AM | 0.28 | 225 | 394 | 13 |
| 7/19/12 12:01:16 AM | 0.28 | 225 | 394 | 13 |
| 7/19/12 12:02:16 AM | 0.28 | 225 | 396 | 13 |
| 7/19/12 12:03:16 AM | 0.28 | 225 | 395 | 13 |
| 7/19/12 12:04:16 AM | 0.28 | 224 | 393 | 13 |
| 7/19/12 12:05:16 AM | 0.28 | 224 | 396 | 13 |
| 7/19/12 12:06:16 AM | 0.28 | 224 | 395 | 13 |
| 7/19/12 12:07:16 AM | 0.28 | 223 | 392 | 13 |
| 7/19/12 12:08:16 AM | 0.28 | 223 | 392 | 13 |
| 7/19/12 12:09:16 AM | 0.28 | 223 | 392 | 12 |
| 7/19/12 12:10:16 AM | 0.28 | 223 | 391 | 12 |
| 7/19/12 12:11:16 AM | 0.28 | 223 | 392 | 13 |
| 7/19/12 12:12:16 AM | 0.29 | 223 | 393 | 13 |
| 7/19/12 12:13:16 AM | 0.28 | 223 | 392 | 13 |
| 7/19/12 12:14:16 AM | 0.28 | 224 | 396 | 13 |
| 7/19/12 12:15:16 AM | 0.28 | 224 | 412 | 13 |
| 7/19/12 12:16:16 AM | 0.28 | 224 | 417 | 13 |
| 7/19/12 12:17:16 AM | 0.28 | 223 | 415 | 13 |
| 7/19/12 12:18:16 AM | 0.28 | 223 | 412 | 12 |
| 7/19/12 12:19:16 AM | 0.28 | 223 | 407 | 12 |
| 7/19/12 12:20:16 AM | 0.28 | 222 | 405 | 13 |
| 7/19/12 12:21:16 AM | 0.28 | 222 | 402 | 13 |
| 7/19/12 12:22:16 AM | 0.28 | 222 | 398 | 13 |
| 7/19/12 12:23:16 AM | 0.28 | 222 | 398 | 13 |
| 7/19/12 12:24:16 AM | 0.28 | 221 | 401 | 13 |
| 7/19/12 12:25:16 AM | 0.28 | 221 | 400 | 13 |
| 7/19/12 12:26:16 AM | 0.28 | 222 | 398 | 13 |
| 7/19/12 12:27:16 AM | 0.28 | 221 | 398 | 13 |
| 7/19/12 12:28:16 AM | 0.29 | 221 | 396 | 13 |
| 7/19/12 12:29:16 AM | 0.29 | 220 | 394 | 13 |
| 7/19/12 12:30:16 AM | 0.29 | 219 | 393 | 13 |
| 7/19/12 12:31:16 AM | 0.28 | 219 | 391 | 13 |
| 7/19/12 12:32:16 AM | 0.29 | 220 | 391 | 13 |
| 7/19/12 12:33:16 AM | 0.29 | 220 | 392 | 13 |
| 7/19/12 12:34:16 AM | 0.28 | 220 | 391 | 13 |
| 7/19/12 12:35:16 AM | 0.28 | 221 | 389 | 13 |
| 7/19/12 12:36:16 AM | 0.29 | 220 | 388 | 13 |
| 7/19/12 12:37:16 AM | 0.29 | 220 | 390 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/19/12 12:38:16 AM | 0.29 | 220 | 391 | 13 |
| 7/19/12 12:39:16 AM | 0.29 | 221 | 392 | 13 |
| 7/19/12 12:40:16 AM | 0.29 | 221 | 391 | 13 |
| 7/19/12 12:41:16 AM | 0.29 | 222 | 394 | 13 |
| 7/19/12 12:42:16 AM | 0.29 | 222 | 393 | 12 |
| 7/19/12 12:43:16 AM | 0.29 | 222 | 392 | 12 |
| 7/19/12 12:44:16 AM | 0.29 | 222 | 395 | 13 |
| 7/19/12 12:45:16 AM | 0.29 | 222 | 395 | 13 |
| 7/19/12 12:46:16 AM | 0.29 | 222 | 394 | 13 |
| 7/19/12 12:47:16 AM | 0.28 | 221 | 391 | 13 |
| 7/19/12 12:48:16 AM | 0.29 | 222 | 392 | 13 |
| 7/19/12 12:49:16 AM | 0.29 | 222 | 391 | 13 |
| 7/19/12 12:50:16 AM | 0.29 | 222 | 391 | 13 |
| 7/19/12 12:51:16 AM | 0.29 | 222 | 390 | 12 |
| 7/19/12 12:52:16 AM | 0.28 | 222 | 391 | 12 |
| 7/19/12 12:53:16 AM | 0.28 | 222 | 390 | 12 |
| 7/19/12 12:54:16 AM | 0.29 | 222 | 390 | 12 |
| 7/19/12 12:55:16 AM | 0.29 | 222 | 390 | 12 |
| 7/19/12 12:56:16 AM | 0.29 | 222 | 389 | 12 |
| 7/19/12 12:57:16 AM | 0.29 | 221 | 389 | 12 |
| 7/19/12 12:58:16 AM | 0.29 | 221 | 387 | 12 |
| 7/19/12 12:59:16 AM | 0.29 | 221 | 387 | 13 |
| 7/19/12 1:00:16 AM | 0.28 | 221 | 386 | 13 |
| 7/19/12 1:01:16 AM | 0.29 | 221 | 384 | 13 |
| 7/19/12 1:02:16 AM | 0.28 | 222 | 382 | 13 |
| 7/19/12 1:03:16 AM | 0.29 | 222 | 387 | 12 |
| 7/19/12 1:04:16 AM | 0.28 | 222 | 388 | 12 |
| 7/19/12 1:05:16 AM | 0.28 | 222 | 390 | 12 |
| 7/19/12 1:06:16 AM | 0.28 | 222 | 389 | 12 |
| 7/19/12 1:07:16 AM | 0.28 | 223 | 389 | 12 |
| 7/19/12 1:08:16 AM | 0.28 | 223 | 392 | 13 |
| 7/19/12 1:09:16 AM | 0.28 | 224 | 393 | 13 |
| 7/19/12 1:10:16 AM | 0.28 | 225 | 393 | 13 |
| 7/19/12 1:11:16 AM | 0.28 | 225 | 395 | 13 |
| 7/19/12 1:12:16 AM | 0.28 | 225 | 396 | 13 |
| 7/19/12 1:13:16 AM | 0.28 | 226 | 395 | 13 |
| 7/19/12 1:14:16 AM | 0.28 | 226 | 394 | 13 |
| 7/19/12 1:15:16 AM | 0.28 | 226 | 395 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 1:16:16 AM | 0.28 | 227 | 394 | 12 |
| 7/19/12 | 1:17:16 AM | 0.28 | 227 | 397 | 12 |
| 7/19/12 | 1:18:16 AM | 0.28 | 227 | 397 | 12 |
| 7/19/12 | 1:19:16 AM | 0.28 | 227 | 397 | 12 |
| 7/19/12 | 1:20:16 AM | 0.28 | 227 | 397 | 12 |
| 7/19/12 | 1:21:16 AM | 0.28 | 227 | 398 | 12 |
| 7/19/12 | 1:22:16 AM | 0.28 | 227 | 396 | 12 |
| 7/19/12 | 1:23:16 AM | 0.28 | 227 | 396 | 12 |
| 7/19/12 | 1:24:16 AM | 0.28 | 228 | 394 | 12 |
| 7/19/12 | 1:25:16 AM | 0.28 | 228 | 393 | 12 |
| 7/19/12 | 1:26:16 AM | 0.28 | 228 | 396 | 12 |
| 7/19/12 | 1:27:16 AM | 0.28 | 228 | 399 | 12 |
| 7/19/12 | 1:28:16 AM | 0.28 | 228 | 401 | 12 |
| 7/19/12 | 1:29:16 AM | 0.28 | 228 | 400 | 13 |
| 7/19/12 | 1:30:16 AM | 0.28 | 228 | 398 | 13 |
| 7/19/12 | 1:31:16 AM | 0.28 | 227 | 396 | 13 |
| 7/19/12 | 1:32:16 AM | 0.28 | 227 | 393 | 12 |
| 7/19/12 | 1:33:16 AM | 0.28 | 227 | 391 | 12 |
| 7/19/12 | 1:34:16 AM | 0.28 | 227 | 392 | 12 |
| 7/19/12 | 1:35:16 AM | 0.28 | 227 | 394 | 12 |
| 7/19/12 | 1:36:16 AM | 0.28 | 227 | 391 | 12 |
| 7/19/12 | 1:37:16 AM | 0.28 | 226 | 388 | 12 |
| 7/19/12 | 1:38:16 AM | 0.28 | 225 | 388 | 12 |
| 7/19/12 | 1:39:16 AM | 0.29 | 224 | 388 | 12 |
| 7/19/12 | 1:40:16 AM | 0.28 | 224 | 388 | 12 |
| 7/19/12 | 1:41:16 AM | 0.29 | 223 | 385 | 12 |
| 7/19/12 | 1:42:16 AM | 0.29 | 222 | 383 | 12 |
| 7/19/12 | 1:43:16 AM | 0.29 | 222 | 382 | 12 |
| 7/19/12 | 1:44:16 AM | 0.28 | 222 | 384 | 12 |
| 7/19/12 | 1:45:16 AM | 0.28 | 222 | 383 | 11 |
| 7/19/12 | 1:46:16 AM | 0.29 | 221 | 380 | 11 |
| 7/19/12 | 1:47:16 AM | 0.29 | 221 | 378 | 12 |
| 7/19/12 | 1:48:16 AM | 0.29 | 221 | 377 | 12 |
| 7/19/12 | 1:49:16 AM | 0.29 | 221 | 374 | 12 |
| 7/19/12 | 1:50:16 AM | 0.29 | 221 | 373 | 12 |
| 7/19/12 | 1:51:16 AM | 0.29 | 221 | 372 | 11 |
| 7/19/12 | 1:52:16 AM | 0.29 | 221 | 370 | 11 |
| 7/19/12 | 1:53:16 AM | 0.29 | 221 | 370 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 1:54:16 AM | 0.28 | 221 | 368 | 12 |
| 7/19/12 | 1:55:16 AM | 0.29 | 221 | 368 | 12 |
| 7/19/12 | 1:56:16 AM | 0.29 | 221 | 367 | 12 |
| 7/19/12 | 1:57:16 AM | 0.28 | 221 | 368 | 11 |
| 7/19/12 | 1:58:16 AM | 0.29 | 221 | 367 | 11 |
| 7/19/12 | 1:59:16 AM | 0.28 | 221 | 368 | 12 |
| 7/19/12 | 2:00:16 AM | 0.28 | 222 | 367 | 12 |
| 7/19/12 | 2:01:16 AM | 0.29 | 222 | 366 | 12 |
| 7/19/12 | 2:02:16 AM | 0.29 | 222 | 367 | 12 |
| 7/19/12 | 2:03:16 AM | 0.29 | 221 | 364 | 12 |
| 7/19/12 | 2:04:16 AM | 0.29 | 221 | 364 | 12 |
| 7/19/12 | 2:05:16 AM | 0.29 | 221 | 363 | 12 |
| 7/19/12 | 2:06:16 AM | 0.29 | 220 | 364 | 12 |
| 7/19/12 | 2:07:16 AM | 0.29 | 220 | 363 | 12 |
| 7/19/12 | 2:08:16 AM | 0.29 | 221 | 362 | 12 |
| 7/19/12 | 2:09:16 AM | 0.29 | 220 | 362 | 11 |
| 7/19/12 | 2:10:16 AM | 0.29 | 220 | 361 | 11 |
| 7/19/12 | 2:11:16 AM | 0.29 | 221 | 361 | 11 |
| 7/19/12 | 2:12:16 AM | 0.29 | 221 | 362 | 11 |
| 7/19/12 | 2:13:16 AM | 0.28 | 221 | 366 | 11 |
| 7/19/12 | 2:14:16 AM | 0.28 | 222 | 366 | 12 |
| 7/19/12 | 2:15:16 AM | 0.28 | 223 | 365 | 12 |
| 7/19/12 | 2:16:16 AM | 0.28 | 223 | 366 | 12 |
| 7/19/12 | 2:17:16 AM | 0.28 | 224 | 366 | 12 |
| 7/19/12 | 2:18:16 AM | 0.28 | 225 | 367 | 11 |
| 7/19/12 | 2:19:16 AM | 0.28 | 225 | 368 | 11 |
| 7/19/12 | 2:20:16 AM | 0.28 | 226 | 374 | 11 |
| 7/19/12 | 2:21:16 AM | 0.28 | 226 | 375 | 11 |
| 7/19/12 | 2:22:16 AM | 0.28 | 227 | 375 | 11 |
| 7/19/12 | 2:23:16 AM | 0.28 | 227 | 373 | 11 |
| 7/19/12 | 2:24:16 AM | 0.28 | 228 | 374 | 11 |
| 7/19/12 | 2:25:16 AM | 0.28 | 228 | 372 | 11 |
| 7/19/12 | 2:26:16 AM | 0.28 | 228 | 372 | 11 |
| 7/19/12 | 2:27:16 AM | 0.28 | 230 | 373 | 11 |
| 7/19/12 | 2:28:16 AM | 0.28 | 230 | 372 | 11 |
| 7/19/12 | 2:29:16 AM | 0.28 | 230 | 371 | 11 |
| 7/19/12 | 2:30:16 AM | 0.28 | 230 | 372 | 11 |
| 7/19/12 | 2:31:16 AM | 0.28 | 229 | 375 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 2:32:16 AM | 0.28 | 230 | 378 | 11 |
| 7/19/12 | 2:33:16 AM | 0.28 | 229 | 383 | 11 |
| 7/19/12 | 2:34:16 AM | 0.28 | 229 | 385 | 11 |
| 7/19/12 | 2:35:16 AM | 0.28 | 230 | 388 | 11 |
| 7/19/12 | 2:36:16 AM | 0.28 | 230 | 388 | 11 |
| 7/19/12 | 2:37:16 AM | 0.28 | 230 | 388 | 11 |
| 7/19/12 | 2:38:16 AM | 0.28 | 230 | 389 | 11 |
| 7/19/12 | 2:39:16 AM | 0.28 | 230 | 389 | 11 |
| 7/19/12 | 2:40:16 AM | 0.28 | 229 | 387 | 11 |
| 7/19/12 | 2:41:16 AM | 0.28 | 229 | 388 | 11 |
| 7/19/12 | 2:42:16 AM | 0.28 | 229 | 385 | 11 |
| 7/19/12 | 2:43:16 AM | 0.28 | 229 | 383 | 11 |
| 7/19/12 | 2:44:16 AM | 0.28 | 228 | 382 | 11 |
| 7/19/12 | 2:45:16 AM | 0.28 | 228 | 381 | 11 |
| 7/19/12 | 2:46:16 AM | 0.28 | 228 | 381 | 11 |
| 7/19/12 | 2:47:16 AM | 0.28 | 228 | 382 | 11 |
| 7/19/12 | 2:48:16 AM | 0.28 | 227 | 380 | 11 |
| 7/19/12 | 2:49:16 AM | 0.28 | 228 | 379 | 11 |
| 7/19/12 | 2:50:16 AM | 0.28 | 228 | 378 | 11 |
| 7/19/12 | 2:51:16 AM | 0.28 | 227 | 377 | 11 |
| 7/19/12 | 2:52:16 AM | 0.28 | 227 | 377 | 11 |
| 7/19/12 | 2:53:16 AM | 0.28 | 226 | 377 | 12 |
| 7/19/12 | 2:54:16 AM | 0.28 | 226 | 376 | 12 |
| 7/19/12 | 2:55:16 AM | 0.28 | 227 | 375 | 12 |
| 7/19/12 | 2:56:16 AM | 0.28 | 227 | 375 | 11 |
| 7/19/12 | 2:57:16 AM | 0.28 | 227 | 373 | 11 |
| 7/19/12 | 2:58:16 AM | 0.28 | 227 | 369 | 11 |
| 7/19/12 | 2:59:16 AM | 0.28 | 228 | 368 | 11 |
| 7/19/12 | 3:00:16 AM | 0.28 | 227 | 368 | 11 |
| 7/19/12 | 3:01:16 AM | 0.28 | 227 | 367 | 11 |
| 7/19/12 | 3:02:16 AM | 0.28 | 227 | 368 | 11 |
| 7/19/12 | 3:03:16 AM | 0.28 | 227 | 368 | 11 |
| 7/19/12 | 3:04:16 AM | 0.28 | 227 | 367 | 11 |
| 7/19/12 | 3:05:16 AM | 0.28 | 228 | 368 | 11 |
| 7/19/12 | 3:06:16 AM | 0.28 | 227 | 367 | 11 |
| 7/19/12 | 3:07:16 AM | 0.28 | 227 | 367 | 11 |
| 7/19/12 | 3:08:16 AM | 0.28 | 227 | 366 | 11 |
| 7/19/12 | 3:09:16 AM | 0.28 | 227 | 366 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 3:10:16 AM | 0.28 | 227 | 364 | 10 |
| 7/19/12 | 3:11:16 AM | 0.28 | 227 | 365 | 11 |
| 7/19/12 | 3:12:16 AM | 0.28 | 227 | 366 | 11 |
| 7/19/12 | 3:13:16 AM | 0.28 | 228 | 367 | 11 |
| 7/19/12 | 3:14:16 AM | 0.28 | 228 | 367 | 11 |
| 7/19/12 | 3:15:16 AM | 0.28 | 228 | 371 | 11 |
| 7/19/12 | 3:16:16 AM | 0.28 | 228 | 372 | 11 |
| 7/19/12 | 3:17:16 AM | 0.28 | 227 | 372 | 11 |
| 7/19/12 | 3:18:16 AM | 0.28 | 227 | 369 | 10 |
| 7/19/12 | 3:19:16 AM | 0.28 | 227 | 369 | 10 |
| 7/19/12 | 3:20:16 AM | 0.28 | 226 | 366 | 11 |
| 7/19/12 | 3:21:16 AM | 0.28 | 226 | 366 | 11 |
| 7/19/12 | 3:22:16 AM | 0.28 | 226 | 364 | 11 |
| 7/19/12 | 3:23:16 AM | 0.28 | 226 | 366 | 11 |
| 7/19/12 | 3:24:16 AM | 0.28 | 226 | 364 | 11 |
| 7/19/12 | 3:25:16 AM | 0.28 | 226 | 365 | 11 |
| 7/19/12 | 3:26:16 AM | 0.28 | 225 | 364 | 11 |
| 7/19/12 | 3:27:16 AM | 0.28 | 225 | 364 | 11 |
| 7/19/12 | 3:28:16 AM | 0.28 | 226 | 362 | 11 |
| 7/19/12 | 3:29:16 AM | 0.28 | 226 | 362 | 11 |
| 7/19/12 | 3:30:16 AM | 0.28 | 225 | 362 | 10 |
| 7/19/12 | 3:31:16 AM | 0.28 | 225 | 361 | 10 |
| 7/19/12 | 3:32:16 AM | 0.28 | 225 | 361 | 10 |
| 7/19/12 | 3:33:16 AM | 0.28 | 225 | 361 | 10 |
| 7/19/12 | 3:34:16 AM | 0.28 | 225 | 360 | 10 |
| 7/19/12 | 3:35:16 AM | 0.28 | 224 | 361 | 11 |
| 7/19/12 | 3:36:16 AM | 0.28 | 224 | 359 | 11 |
| 7/19/12 | 3:37:16 AM | 0.28 | 223 | 357 | 11 |
| 7/19/12 | 3:38:16 AM | 0.28 | 223 | 356 | 10 |
| 7/19/12 | 3:39:16 AM | 0.28 | 223 | 355 | 10 |
| 7/19/12 | 3:40:16 AM | 0.28 | 223 | 353 | 10 |
| 7/19/12 | 3:41:16 AM | 0.28 | 223 | 352 | 11 |
| 7/19/12 | 3:42:16 AM | 0.28 | 224 | 353 | 11 |
| 7/19/12 | 3:43:16 AM | 0.28 | 225 | 353 | 11 |
| 7/19/12 | 3:44:16 AM | 0.28 | 225 | 354 | 11 |
| 7/19/12 | 3:45:16 AM | 0.28 | 226 | 354 | 11 |
| 7/19/12 | 3:46:16 AM | 0.28 | 226 | 353 | 11 |
| 7/19/12 | 3:47:16 AM | 0.28 | 226 | 355 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 3:48:16 AM | 0.28 | 226 | 354 | 11 |
| 7/19/12 | 3:49:16 AM | 0.28 | 227 | 353 | 11 |
| 7/19/12 | 3:50:16 AM | 0.28 | 226 | 352 | 11 |
| 7/19/12 | 3:51:16 AM | 0.28 | 226 | 353 | 11 |
| 7/19/12 | 3:52:16 AM | 0.28 | 226 | 351 | 11 |
| 7/19/12 | 3:53:16 AM | 0.28 | 226 | 352 | 11 |
| 7/19/12 | 3:54:16 AM | 0.28 | 226 | 352 | 11 |
| 7/19/12 | 3:55:16 AM | 0.28 | 226 | 352 | 11 |
| 7/19/12 | 3:56:16 AM | 0.28 | 225 | 351 | 11 |
| 7/19/12 | 3:57:16 AM | 0.28 | 225 | 353 | 11 |
| 7/19/12 | 3:58:16 AM | 0.28 | 225 | 352 | 11 |
| 7/19/12 | 3:59:16 AM | 0.28 | 225 | 352 | 10 |
| 7/19/12 | 4:00:16 AM | 0.28 | 226 | 352 | 10 |
| 7/19/12 | 4:01:16 AM | 0.28 | 225 | 352 | 10 |
| 7/19/12 | 4:02:16 AM | 0.28 | 225 | 352 | 10 |
| 7/19/12 | 4:03:16 AM | 0.28 | 225 | 352 | 10 |
| 7/19/12 | 4:04:16 AM | 0.28 | 226 | 352 | 10 |
| 7/19/12 | 4:05:16 AM | 0.28 | 226 | 353 | 11 |
| 7/19/12 | 4:06:16 AM | 0.28 | 226 | 353 | 11 |
| 7/19/12 | 4:07:16 AM | 0.28 | 225 | 353 | 11 |
| 7/19/12 | 4:08:16 AM | 0.28 | 225 | 354 | 11 |
| 7/19/12 | 4:09:16 AM | 0.28 | 225 | 354 | 11 |
| 7/19/12 | 4:10:16 AM | 0.28 | 225 | 355 | 11 |
| 7/19/12 | 4:11:16 AM | 0.29 | 225 | 357 | 10 |
| 7/19/12 | 4:12:16 AM | 0.28 | 225 | 356 | 10 |
| 7/19/12 | 4:13:16 AM | 0.28 | 224 | 353 | 10 |
| 7/19/12 | 4:14:16 AM | 0.29 | 223 | 356 | 11 |
| 7/19/12 | 4:15:16 AM | 0.29 | 222 | 355 | 11 |
| 7/19/12 | 4:16:16 AM | 0.29 | 221 | 353 | 11 |
| 7/19/12 | 4:17:16 AM | 0.29 | 220 | 354 | 11 |
| 7/19/12 | 4:18:16 AM | 0.30 | 219 | 353 | 11 |
| 7/19/12 | 4:19:16 AM | 0.29 | 218 | 354 | 11 |
| 7/19/12 | 4:20:16 AM | 0.29 | 217 | 353 | 10 |
| 7/19/12 | 4:21:16 AM | 0.29 | 218 | 348 | 10 |
| 7/19/12 | 4:22:16 AM | 0.29 | 219 | 345 | 10 |
| 7/19/12 | 4:23:16 AM | 0.29 | 219 | 346 | 10 |
| 7/19/12 | 4:24:16 AM | 0.29 | 218 | 348 | 10 |
| 7/19/12 | 4:25:16 AM | 0.28 | 218 | 348 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 4:26:16 AM | 0.29 | 218 | 349 | 10 |
| 7/19/12 | 4:27:16 AM | 0.29 | 218 | 349 | 10 |
| 7/19/12 | 4:28:16 AM | 0.28 | 219 | 347 | 10 |
| 7/19/12 | 4:29:16 AM | 0.28 | 219 | 347 | 10 |
| 7/19/12 | 4:30:16 AM | 0.29 | 219 | 347 | 10 |
| 7/19/12 | 4:31:16 AM | 0.29 | 220 | 347 | 10 |
| 7/19/12 | 4:32:16 AM | 0.29 | 219 | 348 | 10 |
| 7/19/12 | 4:33:16 AM | 0.29 | 219 | 347 | 10 |
| 7/19/12 | 4:34:16 AM | 0.29 | 219 | 348 | 10 |
| 7/19/12 | 4:35:16 AM | 0.29 | 218 | 347 | 10 |
| 7/19/12 | 4:36:16 AM | 0.29 | 218 | 346 | 10 |
| 7/19/12 | 4:37:16 AM | 0.28 | 217 | 346 | 10 |
| 7/19/12 | 4:38:16 AM | 0.29 | 218 | 346 | 11 |
| 7/19/12 | 4:39:16 AM | 0.29 | 218 | 347 | 11 |
| 7/19/12 | 4:40:16 AM | 0.28 | 218 | 347 | 11 |
| 7/19/12 | 4:41:16 AM | 0.29 | 218 | 351 | 10 |
| 7/19/12 | 4:42:16 AM | 0.29 | 219 | 355 | 10 |
| 7/19/12 | 4:43:16 AM | 0.28 | 220 | 356 | 10 |
| 7/19/12 | 4:44:16 AM | 0.29 | 221 | 357 | 10 |
| 7/19/12 | 4:45:16 AM | 0.29 | 220 | 356 | 10 |
| 7/19/12 | 4:46:16 AM | 0.29 | 220 | 356 | 10 |
| 7/19/12 | 4:47:16 AM | 0.29 | 220 | 357 | 10 |
| 7/19/12 | 4:48:16 AM | 0.29 | 220 | 355 | 10 |
| 7/19/12 | 4:49:16 AM | 0.29 | 220 | 353 | 10 |
| 7/19/12 | 4:50:16 AM | 0.29 | 220 | 354 | 10 |
| 7/19/12 | 4:51:16 AM | 0.29 | 219 | 351 | 10 |
| 7/19/12 | 4:52:16 AM | 0.29 | 219 | 349 | 10 |
| 7/19/12 | 4:53:16 AM | 0.29 | 218 | 347 | 10 |
| 7/19/12 | 4:54:16 AM | 0.29 | 218 | 348 | 10 |
| 7/19/12 | 4:55:16 AM | 0.29 | 219 | 358 | 10 |
| 7/19/12 | 4:56:16 AM | 0.29 | 219 | 359 | 10 |
| 7/19/12 | 4:57:16 AM | 0.29 | 217 | 365 | 10 |
| 7/19/12 | 4:58:16 AM | 0.29 | 216 | 366 | 10 |
| 7/19/12 | 4:59:16 AM | 0.29 | 216 | 362 | 10 |
| 7/19/12 | 5:00:16 AM | 0.29 | 218 | 358 | 10 |
| 7/19/12 | 5:01:16 AM | 0.29 | 218 | 356 | 10 |
| 7/19/12 | 5:02:16 AM | 0.29 | 218 | 356 | 11 |
| 7/19/12 | 5:03:16 AM | 0.29 | 219 | 354 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 5:04:16 AM | 0.29 | 219 | 355 | 11 |
| 7/19/12 | 5:05:16 AM | 0.28 | 220 | 355 | 11 |
| 7/19/12 | 5:06:16 AM | 0.28 | 222 | 354 | 11 |
| 7/19/12 | 5:07:16 AM | 0.29 | 223 | 355 | 11 |
| 7/19/12 | 5:08:16 AM | 0.28 | 223 | 354 | 11 |
| 7/19/12 | 5:09:16 AM | 0.28 | 223 | 354 | 11 |
| 7/19/12 | 5:10:16 AM | 0.28 | 223 | 353 | 11 |
| 7/19/12 | 5:11:16 AM | 0.28 | 222 | 354 | 11 |
| 7/19/12 | 5:12:16 AM | 0.28 | 222 | 352 | 11 |
| 7/19/12 | 5:13:16 AM | 0.28 | 221 | 351 | 11 |
| 7/19/12 | 5:14:16 AM | 0.29 | 220 | 352 | 10 |
| 7/19/12 | 5:15:16 AM | 0.29 | 220 | 350 | 10 |
| 7/19/12 | 5:16:16 AM | 0.29 | 220 | 351 | 10 |
| 7/19/12 | 5:17:16 AM | 0.29 | 221 | 352 | 10 |
| 7/19/12 | 5:18:16 AM | 0.29 | 221 | 352 | 10 |
| 7/19/12 | 5:19:16 AM | 0.29 | 221 | 351 | 10 |
| 7/19/12 | 5:20:16 AM | 0.29 | 221 | 351 | 10 |
| 7/19/12 | 5:21:16 AM | 0.29 | 221 | 351 | 10 |
| 7/19/12 | 5:22:16 AM | 0.29 | 221 | 352 | 10 |
| 7/19/12 | 5:23:16 AM | 0.28 | 221 | 352 | 11 |
| 7/19/12 | 5:24:16 AM | 0.29 | 222 | 353 | 11 |
| 7/19/12 | 5:25:16 AM | 0.29 | 223 | 353 | 11 |
| 7/19/12 | 5:26:16 AM | 0.29 | 224 | 356 | 11 |
| 7/19/12 | 5:27:16 AM | 0.28 | 224 | 355 | 11 |
| 7/19/12 | 5:28:16 AM | 0.28 | 225 | 356 | 11 |
| 7/19/12 | 5:29:16 AM | 0.28 | 225 | 358 | 10 |
| 7/19/12 | 5:30:16 AM | 0.28 | 226 | 362 | 10 |
| 7/19/12 | 5:31:16 AM | 0.28 | 227 | 362 | 10 |
| 7/19/12 | 5:32:16 AM | 0.28 | 227 | 366 | 10 |
| 7/19/12 | 5:33:16 AM | 0.28 | 227 | 370 | 10 |
| 7/19/12 | 5:34:16 AM | 0.28 | 227 | 368 | 10 |
| 7/19/12 | 5:35:16 AM | 0.28 | 228 | 367 | 10 |
| 7/19/12 | 5:36:16 AM | 0.28 | 228 | 368 | 10 |
| 7/19/12 | 5:37:16 AM | 0.28 | 227 | 368 | 10 |
| 7/19/12 | 5:38:16 AM | 0.28 | 227 | 368 | 10 |
| 7/19/12 | 5:39:16 AM | 0.28 | 227 | 367 | 10 |
| 7/19/12 | 5:40:16 AM | 0.28 | 227 | 369 | 10 |
| 7/19/12 | 5:41:16 AM | 0.28 | 226 | 368 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 5:42:16 AM | 0.28 | 226 | 368 | 10 |
| 7/19/12 | 5:43:16 AM | 0.28 | 226 | 369 | 10 |
| 7/19/12 | 5:44:16 AM | 0.28 | 226 | 371 | 10 |
| 7/19/12 | 5:45:16 AM | 0.28 | 226 | 369 | 10 |
| 7/19/12 | 5:46:16 AM | 0.28 | 227 | 367 | 10 |
| 7/19/12 | 5:47:16 AM | 0.28 | 226 | 366 | 10 |
| 7/19/12 | 5:48:16 AM | 0.28 | 225 | 364 | 10 |
| 7/19/12 | 5:49:16 AM | 0.29 | 224 | 363 | 10 |
| 7/19/12 | 5:50:16 AM | 0.29 | 222 | 363 | 10 |
| 7/19/12 | 5:51:16 AM | 0.29 | 222 | 364 | 10 |
| 7/19/12 | 5:52:16 AM | 0.28 | 222 | 365 | 10 |
| 7/19/12 | 5:53:16 AM | 0.29 | 222 | 366 | 10 |
| 7/19/12 | 5:54:16 AM | 0.29 | 221 | 367 | 10 |
| 7/19/12 | 5:55:16 AM | 0.29 | 221 | 364 | 10 |
| 7/19/12 | 5:56:16 AM | 0.29 | 221 | 365 | 10 |
| 7/19/12 | 5:57:16 AM | 0.29 | 221 | 366 | 10 |
| 7/19/12 | 5:58:16 AM | 0.28 | 223 | 366 | 10 |
| 7/19/12 | 5:59:16 AM | 0.28 | 224 | 369 | 10 |
| 7/19/12 | 6:00:16 AM | 0.29 | 224 | 370 | 10 |
| 7/19/12 | 6:01:16 AM | 0.28 | 225 | 370 | 10 |
| 7/19/12 | 6:02:16 AM | 0.28 | 226 | 371 | 10 |
| 7/19/12 | 6:03:16 AM | 0.28 | 226 | 368 | 10 |
| 7/19/12 | 6:04:16 AM | 0.29 | 227 | 368 | 10 |
| 7/19/12 | 6:05:16 AM | 0.28 | 227 | 369 | 10 |
| 7/19/12 | 6:06:16 AM | 0.28 | 227 | 369 | 10 |
| 7/19/12 | 6:07:16 AM | 0.28 | 227 | 373 | 10 |
| 7/19/12 | 6:08:16 AM | 0.28 | 226 | 372 | 10 |
| 7/19/12 | 6:09:16 AM | 0.28 | 227 | 372 | 10 |
| 7/19/12 | 6:10:16 AM | 0.28 | 227 | 371 | 10 |
| 7/19/12 | 6:11:16 AM | 0.28 | 227 | 370 | 9 |
| 7/19/12 | 6:12:16 AM | 0.28 | 227 | 368 | 9 |
| 7/19/12 | 6:13:16 AM | 0.28 | 227 | 366 | 9 |
| 7/19/12 | 6:14:16 AM | 0.28 | 227 | 363 | 9 |
| 7/19/12 | 6:15:16 AM | 0.28 | 227 | 364 | 9 |
| 7/19/12 | 6:16:16 AM | 0.28 | 227 | 363 | 9 |
| 7/19/12 | 6:17:16 AM | 0.28 | 227 | 366 | 10 |
| 7/19/12 | 6:18:16 AM | 0.28 | 226 | 363 | 10 |
| 7/19/12 | 6:19:16 AM | 0.28 | 227 | 363 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 6:20:16 AM | 0.28 | 227 | 364 | 10 |
| 7/19/12 | 6:21:16 AM | 0.28 | 228 | 365 | 10 |
| 7/19/12 | 6:22:16 AM | 0.28 | 229 | 365 | 10 |
| 7/19/12 | 6:23:16 AM | 0.28 | 229 | 367 | 10 |
| 7/19/12 | 6:24:16 AM | 0.28 | 229 | 365 | 10 |
| 7/19/12 | 6:25:16 AM | 0.28 | 229 | 366 | 10 |
| 7/19/12 | 6:26:16 AM | 0.29 | 230 | 369 | 10 |
| 7/19/12 | 6:27:16 AM | 0.28 | 230 | 368 | 10 |
| 7/19/12 | 6:28:16 AM | 0.28 | 230 | 370 | 10 |
| 7/19/12 | 6:29:16 AM | 0.28 | 230 | 370 | 10 |
| 7/19/12 | 6:30:16 AM | 0.28 | 230 | 370 | 10 |
| 7/19/12 | 6:31:16 AM | 0.28 | 229 | 370 | 10 |
| 7/19/12 | 6:32:16 AM | 0.29 | 229 | 371 | 10 |
| 7/19/12 | 6:33:16 AM | 0.28 | 229 | 372 | 10 |
| 7/19/12 | 6:34:16 AM | 0.28 | 229 | 372 | 10 |
| 7/19/12 | 6:35:16 AM | 0.29 | 229 | 372 | 10 |
| 7/19/12 | 6:36:16 AM | 0.29 | 228 | 372 | 10 |
| 7/19/12 | 6:37:16 AM | 0.28 | 227 | 371 | 10 |
| 7/19/12 | 6:38:16 AM | 0.29 | 226 | 373 | 9 |
| 7/19/12 | 6:39:16 AM | 0.29 | 226 | 372 | 9 |
| 7/19/12 | 6:40:16 AM | 0.29 | 226 | 371 | 9 |
| 7/19/12 | 6:41:16 AM | 0.29 | 226 | 373 | 9 |
| 7/19/12 | 6:42:16 AM | 0.29 | 226 | 372 | 9 |
| 7/19/12 | 6:43:16 AM | 0.29 | 226 | 373 | 10 |
| 7/19/12 | 6:44:16 AM | 0.29 | 226 | 373 | 10 |
| 7/19/12 | 6:45:16 AM | 0.29 | 226 | 375 | 10 |
| 7/19/12 | 6:46:16 AM | 0.29 | 226 | 376 | 10 |
| 7/19/12 | 6:47:16 AM | 0.29 | 226 | 377 | 9 |
| 7/19/12 | 6:48:16 AM | 0.29 | 225 | 378 | 9 |
| 7/19/12 | 6:49:16 AM | 0.29 | 224 | 377 | 9 |
| 7/19/12 | 6:50:16 AM | 0.29 | 224 | 376 | 9 |
| 7/19/12 | 6:51:16 AM | 0.29 | 222 | 377 | 9 |
| 7/19/12 | 6:52:16 AM | 0.29 | 222 | 376 | 9 |
| 7/19/12 | 6:53:16 AM | 0.29 | 221 | 377 | 9 |
| 7/19/12 | 6:54:16 AM | 0.29 | 220 | 376 | 9 |
| 7/19/12 | 6:55:16 AM | 0.29 | 221 | 377 | 10 |
| 7/19/12 | 6:56:16 AM | 0.29 | 221 | 377 | 10 |
| 7/19/12 | 6:57:16 AM | 0.29 | 221 | 378 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 6:58:16 AM | 0.29 | 222 | 377 | 10 |
| 7/19/12 | 6:59:16 AM | 0.29 | 222 | 379 | 9 |
| 7/19/12 | 7:00:16 AM | 0.29 | 222 | 378 | 9 |
| 7/19/12 | 7:01:16 AM | 0.29 | 221 | 376 | 10 |
| 7/19/12 | 7:02:16 AM | 0.29 | 221 | 376 | 10 |
| 7/19/12 | 7:03:16 AM | 0.29 | 221 | 376 | 10 |
| 7/19/12 | 7:04:16 AM | 0.29 | 220 | 375 | 10 |
| 7/19/12 | 7:05:16 AM | 0.29 | 220 | 376 | 10 |
| 7/19/12 | 7:06:16 AM | 0.29 | 220 | 374 | 10 |
| 7/19/12 | 7:07:16 AM | 0.29 | 220 | 373 | 10 |
| 7/19/12 | 7:08:16 AM | 0.29 | 220 | 373 | 10 |
| 7/19/12 | 7:09:16 AM | 0.29 | 220 | 373 | 10 |
| 7/19/12 | 7:10:16 AM | 0.29 | 219 | 372 | 10 |
| 7/19/12 | 7:11:16 AM | 0.29 | 220 | 373 | 10 |
| 7/19/12 | 7:12:16 AM | 0.29 | 219 | 372 | 10 |
| 7/19/12 | 7:13:16 AM | 0.29 | 219 | 372 | 10 |
| 7/19/12 | 7:14:16 AM | 0.28 | 220 | 372 | 10 |
| 7/19/12 | 7:15:16 AM | 0.29 | 221 | 374 | 10 |
| 7/19/12 | 7:16:16 AM | 0.29 | 221 | 376 | 10 |
| 7/19/12 | 7:17:16 AM | 0.29 | 222 | 378 | 9 |
| 7/19/12 | 7:18:16 AM | 0.29 | 223 | 378 | 9 |
| 7/19/12 | 7:19:16 AM | 0.29 | 224 | 377 | 10 |
| 7/19/12 | 7:20:16 AM | 0.29 | 223 | 377 | 10 |
| 7/19/12 | 7:21:16 AM | 0.29 | 223 | 377 | 10 |
| 7/19/12 | 7:22:16 AM | 0.29 | 223 | 376 | 10 |
| 7/19/12 | 7:23:16 AM | 0.29 | 223 | 377 | 10 |
| 7/19/12 | 7:24:16 AM | 0.29 | 224 | 378 | 10 |
| 7/19/12 | 7:25:16 AM | 0.29 | 224 | 376 | 10 |
| 7/19/12 | 7:26:16 AM | 0.29 | 224 | 377 | 9 |
| 7/19/12 | 7:27:16 AM | 0.29 | 225 | 379 | 9 |
| 7/19/12 | 7:28:16 AM | 0.28 | 226 | 380 | 10 |
| 7/19/12 | 7:29:16 AM | 0.28 | 226 | 381 | 10 |
| 7/19/12 | 7:30:16 AM | 0.29 | 226 | 382 | 10 |
| 7/19/12 | 7:31:16 AM | 0.29 | 226 | 382 | 10 |
| 7/19/12 | 7:32:16 AM | 0.29 | 226 | 383 | 10 |
| 7/19/12 | 7:33:16 AM | 0.28 | 227 | 382 | 10 |
| 7/19/12 | 7:34:16 AM | 0.29 | 227 | 385 | 10 |
| 7/19/12 | 7:35:16 AM | 0.29 | 227 | 389 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 7:36:16 AM | 0.28 | 226 | 388 | 10 |
| 7/19/12 | 7:37:16 AM | 0.29 | 226 | 385 | 10 |
| 7/19/12 | 7:38:16 AM | 0.29 | 225 | 386 | 10 |
| 7/19/12 | 7:39:16 AM | 0.29 | 226 | 383 | 10 |
| 7/19/12 | 7:40:16 AM | 0.29 | 227 | 383 | 10 |
| 7/19/12 | 7:41:16 AM | 0.29 | 227 | 386 | 10 |
| 7/19/12 | 7:42:16 AM | 0.29 | 227 | 387 | 10 |
| 7/19/12 | 7:43:16 AM | 0.28 | 227 | 389 | 10 |
| 7/19/12 | 7:44:16 AM | 0.29 | 227 | 386 | 9 |
| 7/19/12 | 7:45:16 AM | 0.29 | 226 | 382 | 9 |
| 7/19/12 | 7:46:16 AM | 0.29 | 226 | 386 | 9 |
| 7/19/12 | 7:47:16 AM | 0.29 | 226 | 385 | 9 |
| 7/19/12 | 7:48:16 AM | 0.29 | 226 | 386 | 9 |
| 7/19/12 | 7:49:16 AM | 0.29 | 226 | 386 | 9 |
| 7/19/12 | 7:50:16 AM | 0.29 | 224 | 384 | 9 |
| 7/19/12 | 7:51:16 AM | 0.29 | 224 | 382 | 9 |
| 7/19/12 | 7:52:16 AM | 0.29 | 224 | 378 | 9 |
| 7/19/12 | 7:53:16 AM | 0.29 | 223 | 386 | 10 |
| 7/19/12 | 7:54:16 AM | 0.29 | 223 | 387 | 10 |
| 7/19/12 | 7:55:16 AM | 0.30 | 223 | 390 | 10 |
| 7/19/12 | 7:56:16 AM | 0.29 | 222 | 395 | 9 |
| 7/19/12 | 7:57:16 AM | 0.29 | 222 | 391 | 9 |
| 7/19/12 | 7:58:16 AM | 0.29 | 222 | 385 | 9 |
| 7/19/12 | 7:59:16 AM | 0.29 | 221 | 384 | 9 |
| 7/19/12 | 8:00:16 AM | 0.29 | 221 | 384 | 9 |
| 7/19/12 | 8:01:16 AM | 0.29 | 221 | 379 | 9 |
| 7/19/12 | 8:02:16 AM | 0.29 | 221 | 379 | 9 |
| 7/19/12 | 8:03:16 AM | 0.29 | 221 | 378 | 9 |
| 7/19/12 | 8:04:16 AM | 0.29 | 221 | 377 | 9 |
| 7/19/12 | 8:05:16 AM | 0.29 | 221 | 375 | 9 |
| 7/19/12 | 8:06:16 AM | 0.29 | 221 | 377 | 9 |
| 7/19/12 | 8:07:16 AM | 0.29 | 222 | 376 | 10 |
| 7/19/12 | 8:08:16 AM | 0.28 | 223 | 377 | 10 |
| 7/19/12 | 8:09:16 AM | 0.29 | 224 | 377 | 10 |
| 7/19/12 | 8:10:16 AM | 0.28 | 224 | 377 | 10 |
| 7/19/12 | 8:11:16 AM | 0.29 | 225 | 380 | 10 |
| 7/19/12 | 8:12:16 AM | 0.29 | 224 | 378 | 10 |
| 7/19/12 | 8:13:16 AM | 0.29 | 225 | 377 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 8:14:16 AM | 0.29 | 225 | 377 | 10 |
| 7/19/12 | 8:15:16 AM | 0.29 | 224 | 375 | 10 |
| 7/19/12 | 8:16:16 AM | 0.28 | 224 | 387 | 10 |
| 7/19/12 | 8:17:16 AM | 0.29 | 224 | 383 | 10 |
| 7/19/12 | 8:18:16 AM | 0.29 | 222 | 378 | 10 |
| 7/19/12 | 8:19:16 AM | 0.29 | 222 | 376 | 10 |
| 7/19/12 | 8:20:16 AM | 0.29 | 223 | 377 | 10 |
| 7/19/12 | 8:21:16 AM | 0.29 | 223 | 378 | 10 |
| 7/19/12 | 8:22:16 AM | 0.29 | 224 | 381 | 10 |
| 7/19/12 | 8:23:16 AM | 0.29 | 223 | 379 | 9 |
| 7/19/12 | 8:24:16 AM | 0.29 | 223 | 378 | 9 |
| 7/19/12 | 8:25:16 AM | 0.29 | 222 | 376 | 10 |
| 7/19/12 | 8:26:16 AM | 0.29 | 221 | 378 | 10 |
| 7/19/12 | 8:27:16 AM | 0.30 | 208 | 375 | 10 |
| 7/19/12 | 8:28:16 AM | 0.30 | 203 | 362 | 10 |
| 7/19/12 | 8:29:16 AM | 0.30 | 204 | 358 | 7 |
| 7/19/12 | 8:30:16 AM | 0.30 | 204 | 355 | 7 |
| 7/19/12 | 8:31:16 AM | 0.30 | 204 | 354 | 7 |
| 7/19/12 | 8:32:16 AM | 0.30 | 201 | 350 | 8 |
| 7/19/12 | 8:33:16 AM | 0.30 | 204 | 343 | 8 |
| 7/19/12 | 8:34:16 AM | 0.30 | 202 | 344 | 8 |
| 7/19/12 | 8:35:16 AM | 0.30 | 203 | 346 | 8 |
| 7/19/12 | 8:36:16 AM | 0.30 | 201 | 344 | 8 |
| 7/19/12 | 8:37:16 AM | 0.30 | 201 | 339 | 8 |
| 7/19/12 | 8:38:16 AM | 0.30 | 202 | 338 | 7 |
| 7/19/12 | 8:39:16 AM | 0.30 | 203 | 342 | 7 |
| 7/19/12 | 8:40:16 AM | 0.30 | 204 | 343 | 7 |
| 7/19/12 | 8:41:16 AM | 0.29 | 204 | 346 | 7 |
| 7/19/12 | 8:42:16 AM | 0.30 | 205 | 342 | 7 |
| 7/19/12 | 8:43:16 AM | 0.29 | 206 | 343 | 8 |
| 7/19/12 | 8:44:16 AM | 0.30 | 206 | 347 | 8 |
| 7/19/12 | 8:45:16 AM | 0.30 | 206 | 347 | 8 |
| 7/19/12 | 8:46:16 AM | 0.29 | 208 | 349 | 8 |
| 7/19/12 | 8:47:16 AM | 0.30 | 211 | 352 | 8 |
| 7/19/12 | 8:48:16 AM | 0.30 | 214 | 355 | 8 |
| 7/19/12 | 8:49:16 AM | 0.30 | 212 | 359 | 8 |
| 7/19/12 | 8:50:16 AM | 0.30 | 210 | 358 | 8 |
| 7/19/12 | 8:51:16 AM | 0.30 | 211 | 359 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 8:52:16 AM | 0.30 | 212 | 360 | 8 |
| 7/19/12 | 8:53:16 AM | 0.30 | 213 | 362 | 8 |
| 7/19/12 | 8:54:16 AM | 0.29 | 214 | 364 | 8 |
| 7/19/12 | 8:55:16 AM | 0.30 | 214 | 366 | 8 |
| 7/19/12 | 8:56:16 AM | 0.30 | 212 | 370 | 8 |
| 7/19/12 | 8:57:16 AM | 0.30 | 211 | 367 | 8 |
| 7/19/12 | 8:58:16 AM | 0.29 | 211 | 368 | 8 |
| 7/19/12 | 8:59:16 AM | 0.29 | 214 | 372 | 8 |
| 7/19/12 | 9:00:16 AM | 0.29 | 213 | 373 | 8 |
| 7/19/12 | 9:01:16 AM | 0.29 | 211 | 373 | 8 |
| 7/19/12 | 9:02:16 AM | 0.29 | 211 | 373 | 8 |
| 7/19/12 | 9:03:16 AM | 0.29 | 212 | 373 | 8 |
| 7/19/12 | 9:04:16 AM | 0.29 | 211 | 376 | 8 |
| 7/19/12 | 9:05:16 AM | 0.29 | 213 | 375 | 8 |
| 7/19/12 | 9:06:16 AM | 0.30 | 215 | 379 | 8 |
| 7/19/12 | 9:07:16 AM | 0.30 | 213 | 377 | 8 |
| 7/19/12 | 9:08:16 AM | 0.30 | 211 | 378 | 8 |
| 7/19/12 | 9:09:16 AM | 0.30 | 212 | 374 | 8 |
| 7/19/12 | 9:10:16 AM | 0.30 | 210 | 373 | 8 |
| 7/19/12 | 9:11:16 AM | 0.30 | 207 | 368 | 8 |
| 7/19/12 | 9:12:16 AM | 0.30 | 206 | 366 | 8 |
| 7/19/12 | 9:13:16 AM | 0.30 | 206 | 360 | 8 |
| 7/19/12 | 9:14:16 AM | 0.30 | 205 | 358 | 7 |
| 7/19/12 | 9:15:16 AM | 0.30 | 204 | 357 | 7 |
| 7/19/12 | 9:16:16 AM | 0.30 | 203 | 356 | 7 |
| 7/19/12 | 9:17:16 AM | 0.30 | 200 | 351 | 8 |
| 7/19/12 | 9:18:16 AM | 0.30 | 201 | 349 | 8 |
| 7/19/12 | 9:19:16 AM | 0.30 | 202 | 350 | 8 |
| 7/19/12 | 9:20:16 AM | 0.30 | 202 | 352 | 7 |
| 7/19/12 | 9:21:16 AM | 0.30 | 207 | 353 | 7 |
| 7/19/12 | 9:22:16 AM | 0.30 | 206 | 356 | 8 |
| 7/19/12 | 9:23:16 AM | 0.30 | 201 | 352 | 9 |
| 7/19/12 | 9:24:16 AM | 0.30 | 201 | 348 | 9 |
| 7/19/12 | 9:25:16 AM | 0.30 | 200 | 343 | 9 |
| 7/19/12 | 9:26:16 AM | 0.30 | 201 | 343 | 7 |
| 7/19/12 | 9:27:16 AM | 0.30 | 200 | 345 | 7 |
| 7/19/12 | 9:28:16 AM | 0.30 | 202 | 343 | 7 |
| 7/19/12 | 9:29:16 AM | 0.31 | 203 | 343 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 9:30:16 AM | 0.30 | 200 | 344 | 7 |
| 7/19/12 | 9:31:16 AM | 0.30 | 201 | 342 | 7 |
| 7/19/12 | 9:32:16 AM | 0.30 | 203 | 342 | 7 |
| 7/19/12 | 9:33:16 AM | 0.30 | 201 | 342 | 7 |
| 7/19/12 | 9:34:16 AM | 0.30 | 201 | 342 | 7 |
| 7/19/12 | 9:35:16 AM | 0.30 | 202 | 342 | 7 |
| 7/19/12 | 9:36:16 AM | 0.30 | 201 | 338 | 7 |
| 7/19/12 | 9:37:16 AM | 0.30 | 201 | 338 | 8 |
| 7/19/12 | 9:38:16 AM | 0.30 | 202 | 340 | 8 |
| 7/19/12 | 9:39:16 AM | 0.30 | 203 | 343 | 8 |
| 7/19/12 | 9:40:16 AM | 0.30 | 204 | 342 | 8 |
| 7/19/12 | 9:41:16 AM | 0.30 | 204 | 346 | 8 |
| 7/19/12 | 9:42:16 AM | 0.30 | 205 | 347 | 8 |
| 7/19/12 | 9:43:16 AM | 0.30 | 204 | 345 | 8 |
| 7/19/12 | 9:44:16 AM | 0.30 | 203 | 343 | 8 |
| 7/19/12 | 9:45:16 AM | 0.30 | 204 | 343 | 8 |
| 7/19/12 | 9:46:16 AM | 0.30 | 207 | 344 | 8 |
| 7/19/12 | 9:47:16 AM | 0.30 | 208 | 349 | 8 |
| 7/19/12 | 9:48:16 AM | 0.30 | 211 | 350 | 8 |
| 7/19/12 | 9:49:16 AM | 0.30 | 211 | 352 | 8 |
| 7/19/12 | 9:50:16 AM | 0.29 | 207 | 352 | 8 |
| 7/19/12 | 9:51:16 AM | 0.30 | 209 | 348 | 8 |
| 7/19/12 | 9:52:16 AM | 0.30 | 212 | 349 | 9 |
| 7/19/12 | 9:53:16 AM | 0.30 | 211 | 351 | 9 |
| 7/19/12 | 9:54:16 AM | 0.30 | 213 | 350 | 9 |
| 7/19/12 | 9:55:16 AM | 0.30 | 211 | 352 | 9 |
| 7/19/12 | 9:56:16 AM | 0.30 | 207 | 347 | 9 |
| 7/19/12 | 9:57:16 AM | 0.30 | 206 | 342 | 9 |
| 7/19/12 | 9:58:16 AM | 0.30 | 209 | 343 | 9 |
| 7/19/12 | 9:59:16 AM | 0.30 | 211 | 347 | 8 |
| 7/19/12 | 10:00:16 AM | 0.29 | 208 | 346 | 8 |
| 7/19/12 | 10:01:16 AM | 0.29 | 206 | 339 | 8 |
| 7/19/12 | 10:02:16 AM | 0.29 | 207 | 339 | 8 |
| 7/19/12 | 10:03:16 AM | 0.29 | 208 | 339 | 8 |
| 7/19/12 | 10:04:16 AM | 0.29 | 209 | 340 | 8 |
| 7/19/12 | 10:05:16 AM | 0.29 | 212 | 342 | 8 |
| 7/19/12 | 10:06:16 AM | 0.29 | 210 | 343 | 8 |
| 7/19/12 | 10:07:16 AM | 0.29 | 210 | 342 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/19/12 10:08:16 AM | 0.29 | 209 | 345 | 8 |
| 7/19/12 10:09:16 AM | 0.29 | 208 | 346 | 8 |
| 7/19/12 10:10:16 AM | 0.29 | 210 | 347 | 8 |
| 7/19/12 10:11:16 AM | 0.29 | 211 | 347 | 7 |
| 7/19/12 10:12:16 AM | 0.29 | 210 | 349 | 7 |
| 7/19/12 10:13:16 AM | 0.29 | 212 | 347 | 8 |
| 7/19/12 10:14:16 AM | 0.29 | 211 | 348 | 8 |
| 7/19/12 10:15:16 AM | 0.29 | 210 | 347 | 8 |
| 7/19/12 10:16:16 AM | 0.29 | 209 | 344 | 8 |
| 7/19/12 10:17:16 AM | 0.30 | 209 | 343 | 8 |
| 7/19/12 10:18:16 AM | 0.30 | 209 | 342 | 8 |
| 7/19/12 10:19:16 AM | 0.30 | 210 | 341 | 8 |
| 7/19/12 10:20:16 AM | 0.30 | 210 | 342 | 7 |
| 7/19/12 10:21:16 AM | 0.29 | 211 | 339 | 7 |
| 7/19/12 10:22:16 AM | 0.29 | 211 | 340 | 8 |
| 7/19/12 10:23:16 AM | 0.29 | 210 | 342 | 8 |
| 7/19/12 10:24:16 AM | 0.29 | 211 | 340 | 8 |
| 7/19/12 10:25:16 AM | 0.29 | 213 | 339 | 8 |
| 7/19/12 10:26:16 AM | 0.29 | 212 | 342 | 7 |
| 7/19/12 10:27:16 AM | 0.29 | 212 | 343 | 7 |
| 7/19/12 10:28:16 AM | 0.29 | 215 | 345 | 7 |
| 7/19/12 10:29:16 AM | 0.29 | 214 | 344 | 7 |
| 7/19/12 10:30:16 AM | 0.29 | 213 | 343 | 7 |
| 7/19/12 10:31:16 AM | 0.29 | 212 | 340 | 8 |
| 7/19/12 10:32:16 AM | 0.30 | 214 | 341 | 8 |
| 7/19/12 10:33:16 AM | 0.29 | 220 | 345 | 8 |
| 7/19/12 10:34:16 AM | 0.29 | 220 | 354 | 8 |
| 7/19/12 10:35:16 AM | 0.30 | 216 | 352 | 9 |
| 7/19/12 10:36:16 AM | 0.30 | 220 | 350 | 9 |
| 7/19/12 10:37:16 AM | 0.30 | 219 | 351 | 9 |
| 7/19/12 10:38:16 AM | 0.30 | 217 | 352 | 9 |
| 7/19/12 10:39:16 AM | 0.29 | 216 | 348 | 9 |
| 7/19/12 10:40:16 AM | 0.29 | 216 | 348 | 9 |
| 7/19/12 10:41:16 AM | 0.29 | 216 | 349 | 8 |
| 7/19/12 10:42:16 AM | 0.29 | 214 | 348 | 8 |
| 7/19/12 10:43:16 AM | 0.29 | 216 | 348 | 8 |
| 7/19/12 10:44:16 AM | 0.29 | 216 | 352 | 7 |
| 7/19/12 10:45:16 AM | 0.29 | 217 | 349 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/19/12 10:46:16 AM | 0.29 | 214 | 347 | 7 |
| 7/19/12 10:47:16 AM | 0.29 | 214 | 346 | 7 |
| 7/19/12 10:48:16 AM | 0.29 | 211 | 348 | 7 |
| 7/19/12 10:49:16 AM | 0.29 | 212 | 346 | 7 |
| 7/19/12 10:50:16 AM | 0.29 | 213 | 345 | 7 |
| 7/19/12 10:51:16 AM | 0.29 | 214 | 342 | 7 |
| 7/19/12 10:52:16 AM | 0.29 | 214 | 344 | 7 |
| 7/19/12 10:53:16 AM | 0.29 | 215 | 349 | 7 |
| 7/19/12 10:54:16 AM | 0.29 | 216 | 351 | 7 |
| 7/19/12 10:55:16 AM | 0.29 | 216 | 352 | 7 |
| 7/19/12 10:56:16 AM | 0.29 | 215 | 352 | 8 |
| 7/19/12 10:57:16 AM | 0.29 | 216 | 357 | 8 |
| 7/19/12 10:58:16 AM | 0.29 | 216 | 355 | 8 |
| 7/19/12 10:59:16 AM | 0.29 | 215 | 354 | 7 |
| 7/19/12 11:00:16 AM | 0.29 | 214 | 352 | 7 |
| 7/19/12 11:01:16 AM | 0.29 | 215 | 352 | 7 |
| 7/19/12 11:02:16 AM | 0.29 | 216 | 352 | 7 |
| 7/19/12 11:03:16 AM | 0.29 | 216 | 351 | 7 |
| 7/19/12 11:04:16 AM | 0.29 | 221 | 348 | 7 |
| 7/19/12 11:05:16 AM | 0.29 | 218 | 352 | 7 |
| 7/19/12 11:06:16 AM | 0.29 | 221 | 349 | 7 |
| 7/19/12 11:07:16 AM | 0.29 | 220 | 352 | 8 |
| 7/19/12 11:08:16 AM | 0.29 | 222 | 354 | 8 |
| 7/19/12 11:09:16 AM | 0.29 | 224 | 354 | 8 |
| 7/19/12 11:10:16 AM | 0.29 | 215 | 355 | 8 |
| 7/19/12 11:11:16 AM | 0.29 | 217 | 347 | 8 |
| 7/19/12 11:12:16 AM | 0.29 | 216 | 347 | 8 |
| 7/19/12 11:13:16 AM | 0.29 | 218 | 347 | 8 |
| 7/19/12 11:14:16 AM | 0.29 | 220 | 354 | 7 |
| 7/19/12 11:15:16 AM | 0.29 | 219 | 353 | 7 |
| 7/19/12 11:16:16 AM | 0.29 | 218 | 352 | 7 |
| 7/19/12 11:17:16 AM | 0.29 | 217 | 349 | 7 |
| 7/19/12 11:18:16 AM | 0.29 | 218 | 349 | 7 |
| 7/19/12 11:19:16 AM | 0.29 | 217 | 347 | 7 |
| 7/19/12 11:20:16 AM | 0.29 | 214 | 347 | 7 |
| 7/19/12 11:21:16 AM | 0.29 | 214 | 342 | 7 |
| 7/19/12 11:22:16 AM | 0.29 | 213 | 340 | 7 |
| 7/19/12 11:23:16 AM | 0.29 | 210 | 337 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/19/12 11:24:16 AM | 0.29 | 214 | 335 | 7 |
| 7/19/12 11:25:16 AM | 0.29 | 212 | 334 | 7 |
| 7/19/12 11:26:16 AM | 0.29 | 214 | 335 | 7 |
| 7/19/12 11:27:16 AM | 0.28 | 215 | 336 | 7 |
| 7/19/12 11:28:16 AM | 0.29 | 217 | 338 | 7 |
| 7/19/12 11:29:16 AM | 0.29 | 215 | 336 | 6 |
| 7/19/12 11:30:16 AM | 0.30 | 215 | 334 | 6 |
| 7/19/12 11:31:16 AM | 0.30 | 216 | 331 | 7 |
| 7/19/12 11:32:16 AM | 0.30 | 215 | 332 | 7 |
| 7/19/12 11:33:16 AM | 0.30 | 215 | 331 | 7 |
| 7/19/12 11:34:16 AM | 0.30 | 214 | 331 | 7 |
| 7/19/12 11:35:16 AM | 0.30 | 212 | 330 | 7 |
| 7/19/12 11:36:16 AM | 0.30 | 210 | 328 | 7 |
| 7/19/12 11:37:16 AM | 0.30 | 209 | 323 | 7 |
| 7/19/12 11:38:16 AM | 0.29 | 209 | 324 | 7 |
| 7/19/12 11:39:16 AM | 0.29 | 210 | 324 | 7 |
| 7/19/12 11:40:16 AM | 0.30 | 211 | 322 | 7 |
| 7/19/12 11:41:16 AM | 0.30 | 213 | 324 | 7 |
| 7/19/12 11:42:16 AM | 0.30 | 212 | 326 | 7 |
| 7/19/12 11:43:16 AM | 0.30 | 201 | 323 | 7 |
| 7/19/12 11:44:16 AM | 0.30 | 200 | 315 | 7 |
| 7/19/12 11:45:16 AM | 0.30 | 205 | 313 | 7 |
| 7/19/12 11:46:16 AM | 0.30 | 209 | 317 | 7 |
| 7/19/12 11:47:16 AM | 0.30 | 210 | 320 | 6 |
| 7/19/12 11:48:16 AM | 0.30 | 210 | 320 | 6 |
| 7/19/12 11:49:16 AM | 0.30 | 209 | 318 | 6 |
| 7/19/12 11:50:16 AM | 0.30 | 210 | 320 | 6 |
| 7/19/12 11:51:16 AM | 0.30 | 212 | 318 | 6 |
| 7/19/12 11:52:16 AM | 0.29 | 211 | 320 | 7 |
| 7/19/12 11:53:16 AM | 0.29 | 210 | 322 | 7 |
| 7/19/12 11:54:16 AM | 0.29 | 209 | 317 | 7 |
| 7/19/12 11:55:16 AM | 0.29 | 208 | 316 | 7 |
| 7/19/12 11:56:16 AM | 0.29 | 209 | 318 | 6 |
| 7/19/12 11:57:16 AM | 0.29 | 212 | 322 | 6 |
| 7/19/12 11:58:16 AM | 0.30 | 209 | 325 | 6 |
| 7/19/12 11:59:16 AM | 0.29 | 205 | 319 | 8 |
| 7/19/12 12:00:16 PM | 0.30 | 204 | 316 | 8 |
| 7/19/12 12:01:16 PM | 0.30 | 203 | 309 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/19/12 12:02:16 PM | 0.30 | 206 | 311 | 6 |
| 7/19/12 12:03:16 PM | 0.29 | 207 | 316 | 6 |
| 7/19/12 12:04:16 PM | 0.29 | 205 | 317 | 6 |
| 7/19/12 12:05:16 PM | 0.30 | 208 | 315 | 6 |
| 7/19/12 12:06:16 PM | 0.30 | 209 | 314 | 6 |
| 7/19/12 12:07:16 PM | 0.30 | 209 | 313 | 6 |
| 7/19/12 12:08:16 PM | 0.29 | 211 | 316 | 6 |
| 7/19/12 12:09:16 PM | 0.30 | 212 | 317 | 6 |
| 7/19/12 12:10:16 PM | 0.30 | 210 | 316 | 6 |
| 7/19/12 12:11:16 PM | 0.30 | 207 | 317 | 6 |
| 7/19/12 12:12:16 PM | 0.30 | 206 | 314 | 6 |
| 7/19/12 12:13:16 PM | 0.29 | 206 | 313 | 6 |
| 7/19/12 12:14:16 PM | 0.29 | 203 | 312 | 6 |
| 7/19/12 12:15:16 PM | 0.29 | 205 | 309 | 6 |
| 7/19/12 12:16:16 PM | 0.29 | 208 | 311 | 6 |
| 7/19/12 12:17:16 PM | 0.30 | 213 | 314 | 6 |
| 7/19/12 12:18:16 PM | 0.30 | 211 | 317 | 6 |
| 7/19/12 12:19:16 PM | 0.30 | 212 | 317 | 6 |
| 7/19/12 12:20:16 PM | 0.30 | 208 | 317 | 6 |
| 7/19/12 12:21:16 PM | 0.30 | 209 | 317 | 6 |
| 7/19/12 12:22:16 PM | 0.29 | 210 | 318 | 6 |
| 7/19/12 12:23:16 PM | 0.29 | 211 | 318 | 6 |
| 7/19/12 12:24:16 PM | 0.29 | 213 | 321 | 6 |
| 7/19/12 12:25:16 PM | 0.30 | 213 | 321 | 7 |
| 7/19/12 12:26:16 PM | 0.29 | 214 | 323 | 7 |
| 7/19/12 12:27:16 PM | 0.30 | 214 | 322 | 7 |
| 7/19/12 12:28:16 PM | 0.30 | 217 | 323 | 7 |
| 7/19/12 12:29:16 PM | 0.30 | 215 | 327 | 6 |
| 7/19/12 12:30:16 PM | 0.30 | 215 | 327 | 6 |
| 7/19/12 12:31:16 PM | 0.30 | 215 | 325 | 6 |
| 7/19/12 12:32:16 PM | 0.30 | 215 | 326 | 6 |
| 7/19/12 12:33:16 PM | 0.30 | 212 | 326 | 6 |
| 7/19/12 12:34:16 PM | 0.30 | 209 | 327 | 6 |
| 7/19/12 12:35:16 PM | 0.29 | 209 | 326 | 6 |
| 7/19/12 12:36:16 PM | 0.29 | 213 | 324 | 6 |
| 7/19/12 12:37:16 PM | 0.29 | 209 | 323 | 7 |
| 7/19/12 12:38:16 PM | 0.29 | 208 | 323 | 7 |
| 7/19/12 12:39:16 PM | 0.30 | 208 | 322 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/19/12 12:40:16 PM | 0.30 | 208 | 320 | 7 |
| 7/19/12 12:41:16 PM | 0.30 | 209 | 320 | 6 |
| 7/19/12 12:42:16 PM | 0.30 | 209 | 321 | 6 |
| 7/19/12 12:43:16 PM | 0.29 | 207 | 321 | 6 |
| 7/19/12 12:44:16 PM | 0.30 | 210 | 321 | 7 |
| 7/19/12 12:45:16 PM | 0.30 | 211 | 322 | 7 |
| 7/19/12 12:46:16 PM | 0.29 | 210 | 323 | 7 |
| 7/19/12 12:47:16 PM | 0.30 | 212 | 325 | 6 |
| 7/19/12 12:48:16 PM | 0.30 | 215 | 324 | 6 |
| 7/19/12 12:49:16 PM | 0.30 | 212 | 326 | 7 |
| 7/19/12 12:50:16 PM | 0.30 | 211 | 323 | 7 |
| 7/19/12 12:51:16 PM | 0.30 | 210 | 322 | 7 |
| 7/19/12 12:52:16 PM | 0.31 | 208 | 320 | 7 |
| 7/19/12 12:53:16 PM | 0.31 | 208 | 317 | 6 |
| 7/19/12 12:54:16 PM | 0.31 | 203 | 318 | 6 |
| 7/19/12 12:55:16 PM | 0.31 | 206 | 314 | 6 |
| 7/19/12 12:56:16 PM | 0.31 | 207 | 318 | 6 |
| 7/19/12 12:57:16 PM | 0.31 | 206 | 318 | 6 |
| 7/19/12 12:58:16 PM | 0.31 | 206 | 316 | 6 |
| 7/19/12 12:59:16 PM | 0.31 | 212 | 318 | 7 |
| 7/19/12 1:00:16 PM | 0.30 | 209 | 323 | 7 |
| 7/19/12 1:01:16 PM | 0.30 | 208 | 319 | 7 |
| 7/19/12 1:02:16 PM | 0.30 | 206 | 320 | 7 |
| 7/19/12 1:03:16 PM | 0.30 | 201 | 318 | 7 |
| 7/19/12 1:04:16 PM | 0.30 | 207 | 315 | 7 |
| 7/19/12 1:05:16 PM | 0.30 | 208 | 318 | 6 |
| 7/19/12 1:06:16 PM | 0.30 | 204 | 318 | 6 |
| 7/19/12 1:07:16 PM | 0.30 | 205 | 315 | 6 |
| 7/19/12 1:08:16 PM | 0.30 | 206 | 316 | 6 |
| 7/19/12 1:09:16 PM | 0.30 | 211 | 319 | 6 |
| 7/19/12 1:10:16 PM | 0.29 | 209 | 324 | 6 |
| 7/19/12 1:11:16 PM | 0.29 | 209 | 325 | 6 |
| 7/19/12 1:12:16 PM | 0.30 | 210 | 324 | 6 |
| 7/19/12 1:13:16 PM | 0.30 | 207 | 322 | 6 |
| 7/19/12 1:14:16 PM | 0.30 | 203 | 318 | 6 |
| 7/19/12 1:15:16 PM | 0.30 | 204 | 316 | 6 |
| 7/19/12 1:16:16 PM | 0.29 | 202 | 317 | 6 |
| 7/19/12 1:17:16 PM | 0.29 | 205 | 318 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 1:18:16 PM | 0.29 | 210 | 323 | 6 |
| 7/19/12 | 1:19:16 PM | 0.29 | 207 | 326 | 6 |
| 7/19/12 | 1:20:16 PM | 0.29 | 207 | 327 | 7 |
| 7/19/12 | 1:21:16 PM | 0.29 | 208 | 329 | 7 |
| 7/19/12 | 1:22:16 PM | 0.29 | 209 | 329 | 7 |
| 7/19/12 | 1:23:16 PM | 0.29 | 211 | 331 | 6 |
| 7/19/12 | 1:24:16 PM | 0.29 | 206 | 332 | 6 |
| 7/19/12 | 1:25:16 PM | 0.29 | 208 | 326 | 6 |
| 7/19/12 | 1:26:16 PM | 0.29 | 209 | 330 | 6 |
| 7/19/12 | 1:27:16 PM | 0.29 | 206 | 329 | 6 |
| 7/19/12 | 1:28:16 PM | 0.29 | 209 | 327 | 6 |
| 7/19/12 | 1:29:16 PM | 0.29 | 207 | 327 | 6 |
| 7/19/12 | 1:30:16 PM | 0.29 | 207 | 329 | 6 |
| 7/19/12 | 1:31:16 PM | 0.29 | 209 | 329 | 6 |
| 7/19/12 | 1:32:16 PM | 0.30 | 209 | 330 | 6 |
| 7/19/12 | 1:33:16 PM | 0.29 | 210 | 331 | 6 |
| 7/19/12 | 1:34:16 PM | 0.29 | 210 | 332 | 7 |
| 7/19/12 | 1:35:16 PM | 0.29 | 211 | 335 | 7 |
| 7/19/12 | 1:36:16 PM | 0.29 | 211 | 338 | 7 |
| 7/19/12 | 1:37:16 PM | 0.29 | 216 | 339 | 7 |
| 7/19/12 | 1:38:16 PM | 0.29 | 214 | 342 | 6 |
| 7/19/12 | 1:39:16 PM | 0.29 | 217 | 342 | 6 |
| 7/19/12 | 1:40:16 PM | 0.29 | 218 | 342 | 6 |
| 7/19/12 | 1:41:16 PM | 0.29 | 212 | 342 | 6 |
| 7/19/12 | 1:42:16 PM | 0.29 | 214 | 342 | 6 |
| 7/19/12 | 1:43:16 PM | 0.29 | 214 | 342 | 7 |
| 7/19/12 | 1:44:16 PM | 0.29 | 215 | 343 | 7 |
| 7/19/12 | 1:45:16 PM | 0.29 | 209 | 343 | 7 |
| 7/19/12 | 1:46:16 PM | 0.29 | 209 | 337 | 7 |
| 7/19/12 | 1:47:16 PM | 0.29 | 208 | 335 | 5 |
| 7/19/12 | 1:48:16 PM | 0.29 | 213 | 335 | 5 |
| 7/19/12 | 1:49:16 PM | 0.29 | 217 | 343 | 6 |
| 7/19/12 | 1:50:16 PM | 0.29 | 213 | 347 | 6 |
| 7/19/12 | 1:51:16 PM | 0.29 | 213 | 347 | 6 |
| 7/19/12 | 1:52:16 PM | 0.29 | 214 | 344 | 6 |
| 7/19/12 | 1:53:16 PM | 0.28 | 212 | 344 | 6 |
| 7/19/12 | 1:54:16 PM | 0.29 | 214 | 342 | 6 |
| 7/19/12 | 1:55:16 PM | 0.29 | 214 | 343 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 1:56:16 PM | 0.29 | 216 | 344 | 6 |
| 7/19/12 | 1:57:16 PM | 0.29 | 217 | 346 | 6 |
| 7/19/12 | 1:58:16 PM | 0.29 | 215 | 347 | 7 |
| 7/19/12 | 1:59:16 PM | 0.29 | 212 | 348 | 7 |
| 7/19/12 | 2:00:16 PM | 0.29 | 213 | 347 | 7 |
| 7/19/12 | 2:01:16 PM | 0.29 | 210 | 349 | 7 |
| 7/19/12 | 2:02:16 PM | 0.29 | 211 | 348 | 7 |
| 7/19/12 | 2:03:16 PM | 0.29 | 210 | 348 | 7 |
| 7/19/12 | 2:04:16 PM | 0.29 | 206 | 344 | 7 |
| 7/19/12 | 2:05:16 PM | 0.29 | 208 | 343 | 6 |
| 7/19/12 | 2:06:16 PM | 0.29 | 208 | 343 | 6 |
| 7/19/12 | 2:07:16 PM | 0.29 | 208 | 341 | 6 |
| 7/19/12 | 2:08:16 PM | 0.29 | 210 | 342 | 6 |
| 7/19/12 | 2:09:16 PM | 0.29 | 211 | 343 | 6 |
| 7/19/12 | 2:10:16 PM | 0.29 | 210 | 342 | 6 |
| 7/19/12 | 2:11:16 PM | 0.29 | 208 | 344 | 6 |
| 7/19/12 | 2:12:16 PM | 0.29 | 204 | 340 | 6 |
| 7/19/12 | 2:13:16 PM | 0.29 | 206 | 340 | 6 |
| 7/19/12 | 2:14:16 PM | 0.29 | 209 | 343 | 6 |
| 7/19/12 | 2:15:16 PM | 0.29 | 210 | 348 | 6 |
| 7/19/12 | 2:16:16 PM | 0.29 | 209 | 351 | 6 |
| 7/19/12 | 2:17:16 PM | 0.29 | 212 | 352 | 7 |
| 7/19/12 | 2:18:16 PM | 0.29 | 211 | 353 | 7 |
| 7/19/12 | 2:19:16 PM | 0.29 | 209 | 352 | 7 |
| 7/19/12 | 2:20:16 PM | 0.29 | 211 | 353 | 7 |
| 7/19/12 | 2:21:16 PM | 0.29 | 210 | 354 | 7 |
| 7/19/12 | 2:22:16 PM | 0.29 | 210 | 352 | 7 |
| 7/19/12 | 2:23:16 PM | 0.29 | 212 | 353 | 7 |
| 7/19/12 | 2:24:16 PM | 0.28 | 214 | 354 | 7 |
| 7/19/12 | 2:25:16 PM | 0.29 | 213 | 353 | 7 |
| 7/19/12 | 2:26:16 PM | 0.29 | 212 | 353 | 7 |
| 7/19/12 | 2:27:16 PM | 0.29 | 213 | 351 | 7 |
| 7/19/12 | 2:28:16 PM | 0.29 | 214 | 349 | 7 |
| 7/19/12 | 2:29:16 PM | 0.29 | 212 | 348 | 6 |
| 7/19/12 | 2:30:16 PM | 0.29 | 210 | 349 | 6 |
| 7/19/12 | 2:31:16 PM | 0.29 | 212 | 352 | 7 |
| 7/19/12 | 2:32:16 PM | 0.29 | 208 | 356 | 7 |
| 7/19/12 | 2:33:16 PM | 0.29 | 211 | 353 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 2:34:16 PM | 0.29 | 212 | 355 | 7 |
| 7/19/12 | 2:35:16 PM | 0.29 | 213 | 354 | 8 |
| 7/19/12 | 2:36:16 PM | 0.29 | 208 | 352 | 8 |
| 7/19/12 | 2:37:16 PM | 0.29 | 207 | 347 | 8 |
| 7/19/12 | 2:38:16 PM | 0.29 | 207 | 347 | 7 |
| 7/19/12 | 2:39:16 PM | 0.29 | 209 | 349 | 7 |
| 7/19/12 | 2:40:16 PM | 0.29 | 210 | 350 | 7 |
| 7/19/12 | 2:41:16 PM | 0.29 | 214 | 351 | 7 |
| 7/19/12 | 2:42:16 PM | 0.29 | 212 | 356 | 7 |
| 7/19/12 | 2:43:16 PM | 0.29 | 211 | 355 | 7 |
| 7/19/12 | 2:44:16 PM | 0.29 | 213 | 356 | 7 |
| 7/19/12 | 2:45:16 PM | 0.29 | 211 | 358 | 7 |
| 7/19/12 | 2:46:16 PM | 0.29 | 213 | 359 | 7 |
| 7/19/12 | 2:47:16 PM | 0.29 | 214 | 361 | 7 |
| 7/19/12 | 2:48:16 PM | 0.29 | 211 | 359 | 7 |
| 7/19/12 | 2:49:16 PM | 0.29 | 208 | 356 | 7 |
| 7/19/12 | 2:50:16 PM | 0.29 | 206 | 354 | 7 |
| 7/19/12 | 2:51:16 PM | 0.29 | 209 | 353 | 7 |
| 7/19/12 | 2:52:16 PM | 0.29 | 213 | 358 | 7 |
| 7/19/12 | 2:53:16 PM | 0.29 | 210 | 361 | 7 |
| 7/19/12 | 2:54:16 PM | 0.29 | 214 | 363 | 7 |
| 7/19/12 | 2:55:16 PM | 0.29 | 213 | 364 | 8 |
| 7/19/12 | 2:56:16 PM | 0.29 | 211 | 363 | 8 |
| 7/19/12 | 2:57:16 PM | 0.29 | 211 | 365 | 8 |
| 7/19/12 | 2:58:16 PM | 0.29 | 207 | 379 | 8 |
| 7/19/12 | 2:59:16 PM | 0.29 | 207 | 381 | 8 |
| 7/19/12 | 3:00:16 PM | 0.29 | 212 | 380 | 8 |
| 7/19/12 | 3:01:16 PM | 0.29 | 211 | 378 | 8 |
| 7/19/12 | 3:02:16 PM | 0.29 | 212 | 377 | 8 |
| 7/19/12 | 3:03:16 PM | 0.29 | 214 | 376 | 8 |
| 7/19/12 | 3:04:16 PM | 0.29 | 217 | 377 | 9 |
| 7/19/12 | 3:05:16 PM | 0.29 | 217 | 380 | 9 |
| 7/19/12 | 3:06:16 PM | 0.29 | 218 | 381 | 9 |
| 7/19/12 | 3:07:16 PM | 0.29 | 218 | 380 | 9 |
| 7/19/12 | 3:08:16 PM | 0.29 | 219 | 383 | 9 |
| 7/19/12 | 3:09:16 PM | 0.29 | 219 | 385 | 9 |
| 7/19/12 | 3:10:16 PM | 0.29 | 220 | 383 | 9 |
| 7/19/12 | 3:11:16 PM | 0.29 | 220 | 384 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 3:12:16 PM | 0.29 | 220 | 387 | 9 |
| 7/19/12 | 3:13:16 PM | 0.29 | 221 | 387 | 9 |
| 7/19/12 | 3:14:16 PM | 0.29 | 220 | 387 | 9 |
| 7/19/12 | 3:15:16 PM | 0.29 | 219 | 387 | 9 |
| 7/19/12 | 3:16:16 PM | 0.28 | 218 | 386 | 10 |
| 7/19/12 | 3:17:16 PM | Start Calibration | | | |
| 7/19/12 | 3:18:16 PM | | | | |
| 7/19/12 | 3:19:16 PM | | | | |
| 7/19/12 | 3:20:16 PM | | | | |
| 7/19/12 | 3:21:16 PM | | | | |
| 7/19/12 | 3:22:16 PM | | | | |
| 7/19/12 | 3:23:16 PM | | | | |
| 7/19/12 | 3:24:16 PM | | | | |
| 7/19/12 | 3:25:16 PM | | | | |
| 7/19/12 | 3:26:16 PM | | | | |
| 7/19/12 | 3:27:16 PM | | | | |
| 7/19/12 | 3:28:16 PM | | | | |
| 7/19/12 | 3:29:16 PM | | | | |
| 7/19/12 | 3:30:16 PM | | | | |
| 7/19/12 | 3:31:16 PM | | | | |
| 7/19/12 | 3:32:16 PM | | | | |
| 7/19/12 | 3:33:16 PM | | | | |
| 7/19/12 | 3:34:16 PM | | | | |
| 7/19/12 | 3:35:16 PM | | | | |
| 7/19/12 | 3:36:16 PM | | | | |
| 7/19/12 | 3:37:16 PM | | | | |
| 7/19/12 | 3:38:16 PM | | | | |
| 7/19/12 | 3:39:16 PM | | | | |
| 7/19/12 | 3:40:16 PM | | | | |
| 7/19/12 | 3:41:16 PM | | | | |
| 7/19/12 | 3:42:16 PM | | | | |
| 7/19/12 | 3:43:16 PM | | | | |
| 7/19/12 | 3:44:16 PM | | | | |
| 7/19/12 | 3:45:16 PM | | | | |
| 7/19/12 | 3:46:16 PM | | | | |
| 7/19/12 | 3:47:16 PM | | | | |
| 7/19/12 | 3:48:16 PM | | | | |
| 7/19/12 | 3:49:16 PM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 3:50:16 PM | | | | |
| 7/19/12 | 3:51:16 PM | | | | |
| 7/19/12 | 3:52:16 PM | | | | |
| 7/19/12 | 3:53:16 PM | | | | |
| 7/19/12 | 3:54:16 PM | | | | |
| 7/19/12 | 3:55:16 PM | End Calibration | | | |
| 7/19/12 | 3:56:16 PM | 0.29 | 216 | 307 | 9 |
| 7/19/12 | 3:57:16 PM | 0.29 | 217 | 313 | 9 |
| 7/19/12 | 3:58:16 PM | 0.29 | 218 | 318 | 9 |
| 7/19/12 | 3:59:16 PM | 0.29 | 218 | 323 | 9 |
| 7/19/12 | 4:00:16 PM | 0.29 | 218 | 328 | 9 |
| 7/19/12 | 4:01:16 PM | 0.29 | 219 | 331 | 9 |
| 7/19/12 | 4:02:16 PM | 0.29 | 218 | 327 | 9 |
| 7/19/12 | 4:03:16 PM | 0.29 | 219 | 328 | 9 |
| 7/19/12 | 4:04:16 PM | 0.28 | 219 | 331 | 10 |
| 7/19/12 | 4:05:16 PM | 0.29 | 220 | 331 | 10 |
| 7/19/12 | 4:06:16 PM | 0.29 | 220 | 334 | 10 |
| 7/19/12 | 4:07:16 PM | 0.29 | 220 | 332 | 10 |
| 7/19/12 | 4:08:16 PM | 0.29 | 220 | 334 | 10 |
| 7/19/12 | 4:09:16 PM | 0.28 | 220 | 337 | 10 |
| 7/19/12 | 4:10:16 PM | 0.29 | 220 | 339 | 10 |
| 7/19/12 | 4:11:16 PM | 0.29 | 218 | 341 | 10 |
| 7/19/12 | 4:12:16 PM | 0.29 | 217 | 341 | 10 |
| 7/19/12 | 4:13:16 PM | 0.29 | 218 | 340 | 10 |
| 7/19/12 | 4:14:16 PM | 0.29 | 219 | 342 | 10 |
| 7/19/12 | 4:15:16 PM | 0.28 | 220 | 342 | 10 |
| 7/19/12 | 4:16:16 PM | 0.29 | 221 | 344 | 10 |
| 7/19/12 | 4:17:16 PM | 0.28 | 222 | 344 | 10 |
| 7/19/12 | 4:18:16 PM | 0.29 | 223 | 344 | 10 |
| 7/19/12 | 4:19:16 PM | 0.28 | 224 | 346 | 10 |
| 7/19/12 | 4:20:16 PM | 0.29 | 223 | 345 | 10 |
| 7/19/12 | 4:21:16 PM | 0.29 | 223 | 375 | 10 |
| 7/19/12 | 4:22:16 PM | 0.29 | 223 | 396 | 10 |
| 7/19/12 | 4:23:16 PM | 0.28 | 221 | 394 | 10 |
| 7/19/12 | 4:24:16 PM | 0.29 | 220 | 388 | 10 |
| 7/19/12 | 4:25:16 PM | 0.29 | 221 | 386 | 10 |
| 7/19/12 | 4:26:16 PM | 0.29 | 221 | 384 | 10 |
| 7/19/12 | 4:27:16 PM | 0.29 | 221 | 381 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 4:28:16 PM | 0.29 | 221 | 379 | 10 |
| 7/19/12 | 4:29:16 PM | 0.29 | 221 | 378 | 10 |
| 7/19/12 | 4:30:16 PM | 0.28 | 221 | 377 | 10 |
| 7/19/12 | 4:31:16 PM | 0.29 | 221 | 376 | 10 |
| 7/19/12 | 4:32:16 PM | 0.29 | 222 | 381 | 10 |
| 7/19/12 | 4:33:16 PM | 0.29 | 223 | 383 | 10 |
| 7/19/12 | 4:34:16 PM | 0.29 | 222 | 385 | 10 |
| 7/19/12 | 4:35:16 PM | 0.29 | 221 | 385 | 9 |
| 7/19/12 | 4:36:16 PM | 0.29 | 222 | 382 | 9 |
| 7/19/12 | 4:37:16 PM | 0.29 | 222 | 381 | 10 |
| 7/19/12 | 4:38:16 PM | 0.28 | 222 | 378 | 10 |
| 7/19/12 | 4:39:16 PM | 0.29 | 222 | 378 | 10 |
| 7/19/12 | 4:40:16 PM | 0.29 | 222 | 378 | 10 |
| 7/19/12 | 4:41:16 PM | 0.29 | 222 | 382 | 10 |
| 7/19/12 | 4:42:16 PM | 0.29 | 220 | 384 | 10 |
| 7/19/12 | 4:43:16 PM | 0.29 | 221 | 383 | 10 |
| 7/19/12 | 4:44:16 PM | 0.28 | 221 | 385 | 10 |
| 7/19/12 | 4:45:16 PM | 0.29 | 221 | 383 | 10 |
| 7/19/12 | 4:46:16 PM | 0.29 | 221 | 382 | 10 |
| 7/19/12 | 4:47:16 PM | 0.29 | 222 | 382 | 10 |
| 7/19/12 | 4:48:16 PM | 0.28 | 222 | 381 | 10 |
| 7/19/12 | 4:49:16 PM | 0.29 | 222 | 381 | 10 |
| 7/19/12 | 4:50:16 PM | 0.28 | 222 | 382 | 10 |
| 7/19/12 | 4:51:16 PM | 0.29 | 222 | 382 | 10 |
| 7/19/12 | 4:52:16 PM | 0.29 | 223 | 383 | 10 |
| 7/19/12 | 4:53:16 PM | 0.28 | 224 | 386 | 10 |
| 7/19/12 | 4:54:16 PM | 0.28 | 224 | 383 | 10 |
| 7/19/12 | 4:55:16 PM | 0.29 | 225 | 382 | 10 |
| 7/19/12 | 4:56:16 PM | 0.28 | 226 | 381 | 10 |
| 7/19/12 | 4:57:16 PM | 0.28 | 225 | 380 | 10 |
| 7/19/12 | 4:58:16 PM | 0.29 | 225 | 376 | 10 |
| 7/19/12 | 4:59:16 PM | 0.28 | 225 | 377 | 10 |
| 7/19/12 | 5:00:16 PM | 0.28 | 225 | 376 | 10 |
| 7/19/12 | 5:01:16 PM | 0.28 | 225 | 377 | 10 |
| 7/19/12 | 5:02:16 PM | 0.28 | 225 | 376 | 10 |
| 7/19/12 | 5:03:16 PM | 0.29 | 225 | 373 | 10 |
| 7/19/12 | 5:04:16 PM | 0.29 | 225 | 373 | 10 |
| 7/19/12 | 5:05:16 PM | 0.29 | 224 | 374 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 5:06:16 PM | 0.28 | 224 | 373 | 9 |
| 7/19/12 | 5:07:16 PM | 0.29 | 224 | 375 | 9 |
| 7/19/12 | 5:08:16 PM | 0.29 | 223 | 373 | 10 |
| 7/19/12 | 5:09:16 PM | 0.29 | 222 | 370 | 10 |
| 7/19/12 | 5:10:16 PM | 0.29 | 222 | 369 | 10 |
| 7/19/12 | 5:11:16 PM | 0.28 | 223 | 367 | 10 |
| 7/19/12 | 5:12:16 PM | 0.28 | 224 | 372 | 10 |
| 7/19/12 | 5:13:16 PM | 0.28 | 223 | 371 | 10 |
| 7/19/12 | 5:14:16 PM | 0.28 | 223 | 373 | 10 |
| 7/19/12 | 5:15:16 PM | 0.28 | 223 | 376 | 10 |
| 7/19/12 | 5:16:16 PM | 0.29 | 223 | 377 | 10 |
| 7/19/12 | 5:17:16 PM | 0.28 | 223 | 380 | 10 |
| 7/19/12 | 5:18:16 PM | 0.28 | 223 | 381 | 10 |
| 7/19/12 | 5:19:16 PM | 0.28 | 223 | 379 | 10 |
| 7/19/12 | 5:20:16 PM | 0.29 | 222 | 381 | 10 |
| 7/19/12 | 5:21:16 PM | 0.29 | 221 | 382 | 10 |
| 7/19/12 | 5:22:16 PM | 0.28 | 220 | 381 | 10 |
| 7/19/12 | 5:23:16 PM | 0.29 | 220 | 380 | 10 |
| 7/19/12 | 5:24:16 PM | 0.29 | 220 | 380 | 10 |
| 7/19/12 | 5:25:16 PM | 0.29 | 219 | 380 | 10 |
| 7/19/12 | 5:26:16 PM | 0.29 | 220 | 379 | 10 |
| 7/19/12 | 5:27:16 PM | 0.29 | 220 | 380 | 10 |
| 7/19/12 | 5:28:16 PM | 0.29 | 219 | 379 | 10 |
| 7/19/12 | 5:29:16 PM | 0.29 | 219 | 379 | 10 |
| 7/19/12 | 5:30:16 PM | 0.29 | 220 | 379 | 10 |
| 7/19/12 | 5:31:16 PM | 0.29 | 220 | 380 | 10 |
| 7/19/12 | 5:32:16 PM | 0.29 | 221 | 380 | 10 |
| 7/19/12 | 5:33:16 PM | 0.29 | 220 | 377 | 10 |
| 7/19/12 | 5:34:16 PM | 0.29 | 220 | 377 | 10 |
| 7/19/12 | 5:35:16 PM | 0.29 | 221 | 378 | 10 |
| 7/19/12 | 5:36:16 PM | 0.29 | 220 | 379 | 10 |
| 7/19/12 | 5:37:16 PM | 0.29 | 220 | 378 | 10 |
| 7/19/12 | 5:38:16 PM | 0.29 | 221 | 377 | 10 |
| 7/19/12 | 5:39:16 PM | 0.28 | 220 | 377 | 10 |
| 7/19/12 | 5:40:16 PM | 0.29 | 220 | 373 | 10 |
| 7/19/12 | 5:41:16 PM | 0.29 | 221 | 137 | 10 |
| 7/19/12 | 5:42:16 PM | 0.29 | 220 | 95 | 10 |
| 7/19/12 | 5:43:16 PM | 0.29 | 220 | 87 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 5:44:16 PM | 0.29 | 219 | 78 | 0 |
| 7/19/12 | 5:45:16 PM | 0.29 | 218 | 71 | 0 |
| 7/19/12 | 5:46:16 PM | 0.29 | 219 | 63 | 0 |
| 7/19/12 | 5:47:16 PM | 0.29 | 220 | 61 | 0 |
| 7/19/12 | 5:48:16 PM | 0.29 | 221 | 57 | 0 |
| 7/19/12 | 5:49:16 PM | 0.29 | 221 | 55 | 0 |
| 7/19/12 | 5:50:16 PM | 0.28 | 221 | 52 | 0 |
| 7/19/12 | 5:51:16 PM | 0.29 | 223 | 51 | 0 |
| 7/19/12 | 5:52:16 PM | 0.29 | 224 | 49 | 0 |
| 7/19/12 | 5:53:16 PM | 0.28 | 224 | 47 | 0 |
| 7/19/12 | 5:54:16 PM | 0.29 | 223 | 68 | 0 |
| 7/19/12 | 5:55:16 PM | 0.29 | 223 | 248 | 0 |
| 7/19/12 | 5:56:16 PM | 0.29 | 223 | 313 | 0 |
| 7/19/12 | 5:57:16 PM | 0.29 | 221 | 337 | 0 |
| 7/19/12 | 5:58:16 PM | 0.29 | 220 | 351 | 3 |
| 7/19/12 | 5:59:16 PM | 0.29 | 220 | 365 | 8 |
| 7/19/12 | 6:00:16 PM | 0.29 | 220 | 302 | 8 |
| 7/19/12 | 6:01:16 PM | 0.29 | 222 | 254 | 6 |
| 7/19/12 | 6:02:16 PM | 0.29 | 223 | 232 | 0 |
| 7/19/12 | 6:03:16 PM | 0.29 | 223 | 221 | 0 |
| 7/19/12 | 6:04:16 PM | 0.28 | 223 | 212 | 0 |
| 7/19/12 | 6:05:16 PM | 0.29 | 223 | 190 | 0 |
| 7/19/12 | 6:06:16 PM | 0.29 | 223 | 176 | 0 |
| 7/19/12 | 6:07:16 PM | 0.29 | 223 | 169 | 0 |
| 7/19/12 | 6:08:16 PM | 0.29 | 223 | 171 | 0 |
| 7/19/12 | 6:09:16 PM | 0.29 | 223 | 169 | 0 |
| 7/19/12 | 6:10:16 PM | 0.29 | 223 | 172 | 0 |
| 7/19/12 | 6:11:16 PM | 0.29 | 223 | 244 | 0 |
| 7/19/12 | 6:12:16 PM | 0.29 | 223 | 274 | 0 |
| 7/19/12 | 6:13:16 PM | 0.29 | 224 | 310 | 4 |
| 7/19/12 | 6:14:16 PM | 0.28 | 224 | 322 | 10 |
| 7/19/12 | 6:15:16 PM | 0.28 | 226 | 337 | 10 |
| 7/19/12 | 6:16:16 PM | 0.28 | 228 | 348 | 10 |
| 7/19/12 | 6:17:16 PM | 0.28 | 229 | 354 | 10 |
| 7/19/12 | 6:18:16 PM | 0.28 | 230 | 362 | 10 |
| 7/19/12 | 6:19:16 PM | 0.28 | 231 | 366 | 10 |
| 7/19/12 | 6:20:16 PM | 0.28 | 231 | 371 | 10 |
| 7/19/12 | 6:21:16 PM | 0.28 | 231 | 377 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 6:22:16 PM | 0.28 | 231 | 379 | 10 |
| 7/19/12 | 6:23:16 PM | 0.28 | 232 | 383 | 10 |
| 7/19/12 | 6:24:16 PM | 0.28 | 232 | 385 | 10 |
| 7/19/12 | 6:25:16 PM | 0.28 | 231 | 389 | 10 |
| 7/19/12 | 6:26:16 PM | 0.28 | 231 | 392 | 10 |
| 7/19/12 | 6:27:16 PM | 0.28 | 231 | 393 | 10 |
| 7/19/12 | 6:28:16 PM | 0.28 | 230 | 395 | 10 |
| 7/19/12 | 6:29:16 PM | 0.28 | 230 | 397 | 9 |
| 7/19/12 | 6:30:16 PM | 0.28 | 229 | 401 | 9 |
| 7/19/12 | 6:31:16 PM | 0.28 | 229 | 404 | 9 |
| 7/19/12 | 6:32:16 PM | 0.28 | 228 | 408 | 9 |
| 7/19/12 | 6:33:16 PM | 0.28 | 228 | 407 | 9 |
| 7/19/12 | 6:34:16 PM | 0.28 | 228 | 404 | 10 |
| 7/19/12 | 6:35:16 PM | 0.28 | 227 | 406 | 10 |
| 7/19/12 | 6:36:16 PM | 0.28 | 226 | 405 | 10 |
| 7/19/12 | 6:37:16 PM | 0.28 | 227 | 402 | 10 |
| 7/19/12 | 6:38:16 PM | 0.28 | 228 | 404 | 10 |
| 7/19/12 | 6:39:16 PM | 0.28 | 229 | 408 | 10 |
| 7/19/12 | 6:40:16 PM | 0.28 | 230 | 408 | 10 |
| 7/19/12 | 6:41:16 PM | 0.28 | 229 | 406 | 9 |
| 7/19/12 | 6:42:16 PM | 0.28 | 230 | 407 | 9 |
| 7/19/12 | 6:43:16 PM | 0.28 | 231 | 407 | 10 |
| 7/19/12 | 6:44:16 PM | 0.28 | 232 | 409 | 10 |
| 7/19/12 | 6:45:16 PM | 0.28 | 231 | 410 | 10 |
| 7/19/12 | 6:46:16 PM | 0.28 | 231 | 410 | 10 |
| 7/19/12 | 6:47:16 PM | 0.28 | 231 | 409 | 10 |
| 7/19/12 | 6:48:16 PM | 0.28 | 232 | 409 | 10 |
| 7/19/12 | 6:49:16 PM | 0.28 | 232 | 410 | 10 |
| 7/19/12 | 6:50:16 PM | 0.28 | 231 | 410 | 10 |
| 7/19/12 | 6:51:16 PM | 0.28 | 231 | 409 | 10 |
| 7/19/12 | 6:52:16 PM | 0.28 | 230 | 404 | 10 |
| 7/19/12 | 6:53:16 PM | 0.28 | 231 | 403 | 10 |
| 7/19/12 | 6:54:16 PM | 0.28 | 230 | 403 | 10 |
| 7/19/12 | 6:55:16 PM | 0.28 | 230 | 401 | 10 |
| 7/19/12 | 6:56:16 PM | 0.28 | 230 | 401 | 10 |
| 7/19/12 | 6:57:16 PM | 0.28 | 230 | 402 | 10 |
| 7/19/12 | 6:58:16 PM | 0.28 | 229 | 404 | 10 |
| 7/19/12 | 6:59:16 PM | 0.28 | 230 | 407 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 7:00:16 PM | 0.28 | 231 | 408 | 10 |
| 7/19/12 | 7:01:16 PM | 0.28 | 230 | 404 | 10 |
| 7/19/12 | 7:02:16 PM | 0.29 | 230 | 403 | 9 |
| 7/19/12 | 7:03:16 PM | 0.28 | 226 | 400 | 9 |
| 7/19/12 | 7:04:16 PM | 0.29 | 223 | 394 | 10 |
| 7/19/12 | 7:05:16 PM | 0.30 | 220 | 388 | 10 |
| 7/19/12 | 7:06:16 PM | 0.29 | 219 | 387 | 10 |
| 7/19/12 | 7:07:16 PM | 0.29 | 218 | 387 | 10 |
| 7/19/12 | 7:08:16 PM | 0.29 | 218 | 386 | 9 |
| 7/19/12 | 7:09:16 PM | 0.29 | 218 | 383 | 9 |
| 7/19/12 | 7:10:16 PM | 0.29 | 217 | 382 | 9 |
| 7/19/12 | 7:11:16 PM | 0.28 | 217 | 381 | 9 |
| 7/19/12 | 7:12:16 PM | 0.29 | 218 | 383 | 9 |
| 7/19/12 | 7:13:16 PM | 0.29 | 219 | 385 | 9 |
| 7/19/12 | 7:14:16 PM | 0.29 | 218 | 384 | 9 |
| 7/19/12 | 7:15:16 PM | 0.29 | 218 | 382 | 9 |
| 7/19/12 | 7:16:16 PM | 0.29 | 218 | 382 | 10 |
| 7/19/12 | 7:17:16 PM | 0.29 | 219 | 384 | 10 |
| 7/19/12 | 7:18:16 PM | 0.29 | 220 | 386 | 10 |
| 7/19/12 | 7:19:16 PM | 0.29 | 220 | 385 | 10 |
| 7/19/12 | 7:20:16 PM | 0.30 | 218 | 384 | 9 |
| 7/19/12 | 7:21:16 PM | 0.30 | 215 | 380 | 9 |
| 7/19/12 | 7:22:16 PM | 0.30 | 214 | 377 | 9 |
| 7/19/12 | 7:23:16 PM | 0.30 | 214 | 378 | 9 |
| 7/19/12 | 7:24:16 PM | 0.30 | 214 | 378 | 9 |
| 7/19/12 | 7:25:16 PM | 0.30 | 214 | 378 | 9 |
| 7/19/12 | 7:26:16 PM | 0.30 | 215 | 378 | 9 |
| 7/19/12 | 7:27:16 PM | 0.30 | 215 | 377 | 9 |
| 7/19/12 | 7:28:16 PM | 0.29 | 216 | 377 | 9 |
| 7/19/12 | 7:29:16 PM | 0.29 | 217 | 379 | 9 |
| 7/19/12 | 7:30:16 PM | 0.29 | 218 | 380 | 9 |
| 7/19/12 | 7:31:16 PM | 0.30 | 218 | 381 | 9 |
| 7/19/12 | 7:32:16 PM | 0.29 | 217 | 379 | 9 |
| 7/19/12 | 7:33:16 PM | 0.29 | 217 | 377 | 9 |
| 7/19/12 | 7:34:16 PM | 0.30 | 217 | 377 | 9 |
| 7/19/12 | 7:35:16 PM | 0.30 | 216 | 375 | 9 |
| 7/19/12 | 7:36:16 PM | 0.29 | 215 | 372 | 9 |
| 7/19/12 | 7:37:16 PM | 0.30 | 215 | 372 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 7:38:16 PM | 0.30 | 214 | 373 | 10 |
| 7/19/12 | 7:39:16 PM | 0.29 | 214 | 373 | 10 |
| 7/19/12 | 7:40:16 PM | 0.30 | 215 | 373 | 10 |
| 7/19/12 | 7:41:16 PM | 0.29 | 215 | 372 | 9 |
| 7/19/12 | 7:42:16 PM | 0.29 | 215 | 373 | 9 |
| 7/19/12 | 7:43:16 PM | 0.29 | 215 | 375 | 9 |
| 7/19/12 | 7:44:16 PM | 0.29 | 217 | 375 | 9 |
| 7/19/12 | 7:45:16 PM | 0.30 | 217 | 376 | 9 |
| 7/19/12 | 7:46:16 PM | 0.29 | 217 | 373 | 9 |
| 7/19/12 | 7:47:16 PM | 0.29 | 216 | 372 | 9 |
| 7/19/12 | 7:48:16 PM | 0.30 | 215 | 374 | 9 |
| 7/19/12 | 7:49:16 PM | 0.30 | 214 | 372 | 9 |
| 7/19/12 | 7:50:16 PM | 0.30 | 214 | 372 | 9 |
| 7/19/12 | 7:51:16 PM | 0.30 | 213 | 373 | 9 |
| 7/19/12 | 7:52:16 PM | 0.30 | 213 | 372 | 9 |
| 7/19/12 | 7:53:16 PM | 0.30 | 214 | 373 | 9 |
| 7/19/12 | 7:54:16 PM | 0.29 | 215 | 376 | 9 |
| 7/19/12 | 7:55:16 PM | 0.29 | 216 | 377 | 9 |
| 7/19/12 | 7:56:16 PM | 0.29 | 217 | 377 | 9 |
| 7/19/12 | 7:57:16 PM | 0.29 | 218 | 379 | 9 |
| 7/19/12 | 7:58:16 PM | 0.29 | 218 | 379 | 10 |
| 7/19/12 | 7:59:16 PM | 0.29 | 218 | 381 | 10 |
| 7/19/12 | 8:00:16 PM | 0.29 | 218 | 380 | 10 |
| 7/19/12 | 8:01:16 PM | 0.29 | 218 | 380 | 10 |
| 7/19/12 | 8:02:16 PM | 0.29 | 218 | 380 | 10 |
| 7/19/12 | 8:03:16 PM | 0.29 | 218 | 382 | 10 |
| 7/19/12 | 8:04:16 PM | 0.29 | 217 | 382 | 10 |
| 7/19/12 | 8:05:16 PM | 0.29 | 218 | 383 | 9 |
| 7/19/12 | 8:06:16 PM | 0.29 | 219 | 386 | 9 |
| 7/19/12 | 8:07:16 PM | 0.29 | 220 | 387 | 10 |
| 7/19/12 | 8:08:16 PM | 0.29 | 220 | 388 | 10 |
| 7/19/12 | 8:09:16 PM | 0.29 | 219 | 386 | 10 |
| 7/19/12 | 8:10:16 PM | 0.29 | 218 | 386 | 10 |
| 7/19/12 | 8:11:16 PM | 0.29 | 219 | 388 | 10 |
| 7/19/12 | 8:12:16 PM | 0.29 | 217 | 386 | 10 |
| 7/19/12 | 8:13:16 PM | 0.30 | 216 | 382 | 10 |
| 7/19/12 | 8:14:16 PM | 0.29 | 216 | 383 | 10 |
| 7/19/12 | 8:15:16 PM | 0.29 | 217 | 383 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 8:16:16 PM | 0.29 | 218 | 384 | 10 |
| 7/19/12 | 8:17:16 PM | 0.29 | 219 | 386 | 9 |
| 7/19/12 | 8:18:16 PM | 0.29 | 219 | 388 | 9 |
| 7/19/12 | 8:19:16 PM | 0.29 | 218 | 385 | 9 |
| 7/19/12 | 8:20:16 PM | 0.29 | 218 | 384 | 9 |
| 7/19/12 | 8:21:16 PM | 0.29 | 219 | 384 | 9 |
| 7/19/12 | 8:22:16 PM | 0.29 | 219 | 385 | 10 |
| 7/19/12 | 8:23:16 PM | 0.30 | 218 | 385 | 10 |
| 7/19/12 | 8:24:16 PM | 0.29 | 218 | 385 | 10 |
| 7/19/12 | 8:25:16 PM | 0.29 | 218 | 386 | 10 |
| 7/19/12 | 8:26:16 PM | 0.29 | 218 | 387 | 9 |
| 7/19/12 | 8:27:16 PM | 0.29 | 218 | 386 | 9 |
| 7/19/12 | 8:28:16 PM | 0.29 | 219 | 385 | 9 |
| 7/19/12 | 8:29:16 PM | 0.29 | 218 | 385 | 9 |
| 7/19/12 | 8:30:16 PM | 0.29 | 217 | 384 | 9 |
| 7/19/12 | 8:31:16 PM | 0.29 | 218 | 384 | 9 |
| 7/19/12 | 8:32:16 PM | 0.29 | 218 | 384 | 9 |
| 7/19/12 | 8:33:16 PM | 0.29 | 218 | 386 | 9 |
| 7/19/12 | 8:34:16 PM | 0.29 | 218 | 383 | 9 |
| 7/19/12 | 8:35:16 PM | 0.30 | 218 | 383 | 9 |
| 7/19/12 | 8:36:16 PM | 0.29 | 217 | 382 | 9 |
| 7/19/12 | 8:37:16 PM | 0.29 | 217 | 382 | 9 |
| 7/19/12 | 8:38:16 PM | 0.29 | 218 | 381 | 9 |
| 7/19/12 | 8:39:16 PM | 0.29 | 218 | 381 | 9 |
| 7/19/12 | 8:40:16 PM | 0.30 | 218 | 381 | 9 |
| 7/19/12 | 8:41:16 PM | 0.29 | 218 | 381 | 9 |
| 7/19/12 | 8:42:16 PM | 0.29 | 219 | 381 | 9 |
| 7/19/12 | 8:43:16 PM | 0.29 | 218 | 379 | 9 |
| 7/19/12 | 8:44:16 PM | 0.30 | 218 | 380 | 9 |
| 7/19/12 | 8:45:16 PM | 0.30 | 218 | 379 | 9 |
| 7/19/12 | 8:46:16 PM | 0.29 | 218 | 378 | 9 |
| 7/19/12 | 8:47:16 PM | 0.29 | 219 | 381 | 9 |
| 7/19/12 | 8:48:16 PM | 0.29 | 220 | 384 | 9 |
| 7/19/12 | 8:49:16 PM | 0.28 | 222 | 386 | 9 |
| 7/19/12 | 8:50:16 PM | 0.28 | 223 | 389 | 9 |
| 7/19/12 | 8:51:16 PM | 0.28 | 224 | 391 | 9 |
| 7/19/12 | 8:52:16 PM | 0.29 | 224 | 392 | 9 |
| 7/19/12 | 8:53:16 PM | 0.28 | 225 | 391 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 8:54:16 PM | 0.28 | 225 | 392 | 9 |
| 7/19/12 | 8:55:16 PM | 0.28 | 226 | 394 | 9 |
| 7/19/12 | 8:56:16 PM | 0.28 | 227 | 395 | 9 |
| 7/19/12 | 8:57:16 PM | 0.28 | 227 | 396 | 9 |
| 7/19/12 | 8:58:16 PM | 0.28 | 226 | 395 | 9 |
| 7/19/12 | 8:59:16 PM | 0.28 | 227 | 398 | 9 |
| 7/19/12 | 9:00:16 PM | 0.28 | 228 | 398 | 9 |
| 7/19/12 | 9:01:16 PM | 0.28 | 229 | 397 | 9 |
| 7/19/12 | 9:02:16 PM | 0.28 | 229 | 398 | 9 |
| 7/19/12 | 9:03:16 PM | 0.28 | 229 | 397 | 9 |
| 7/19/12 | 9:04:16 PM | 0.28 | 230 | 397 | 10 |
| 7/19/12 | 9:05:16 PM | 0.28 | 230 | 399 | 10 |
| 7/19/12 | 9:06:16 PM | 0.28 | 230 | 400 | 10 |
| 7/19/12 | 9:07:16 PM | 0.28 | 230 | 399 | 10 |
| 7/19/12 | 9:08:16 PM | 0.28 | 230 | 398 | 9 |
| 7/19/12 | 9:09:16 PM | 0.28 | 230 | 397 | 9 |
| 7/19/12 | 9:10:16 PM | 0.28 | 230 | 395 | 9 |
| 7/19/12 | 9:11:16 PM | 0.28 | 230 | 395 | 9 |
| 7/19/12 | 9:12:16 PM | 0.28 | 229 | 396 | 9 |
| 7/19/12 | 9:13:16 PM | 0.28 | 229 | 395 | 9 |
| 7/19/12 | 9:14:16 PM | 0.28 | 229 | 395 | 9 |
| 7/19/12 | 9:15:16 PM | 0.28 | 230 | 395 | 9 |
| 7/19/12 | 9:16:16 PM | 0.27 | 231 | 396 | 9 |
| 7/19/12 | 9:17:16 PM | 0.28 | 231 | 397 | 9 |
| 7/19/12 | 9:18:16 PM | 0.28 | 231 | 396 | 9 |
| 7/19/12 | 9:19:16 PM | 0.28 | 230 | 396 | 9 |
| 7/19/12 | 9:20:16 PM | 0.28 | 231 | 398 | 9 |
| 7/19/12 | 9:21:16 PM | 0.28 | 230 | 395 | 9 |
| 7/19/12 | 9:22:16 PM | 0.28 | 229 | 395 | 9 |
| 7/19/12 | 9:23:16 PM | 0.28 | 229 | 395 | 9 |
| 7/19/12 | 9:24:16 PM | 0.28 | 229 | 396 | 9 |
| 7/19/12 | 9:25:16 PM | 0.28 | 229 | 397 | 9 |
| 7/19/12 | 9:26:16 PM | 0.29 | 229 | 398 | 9 |
| 7/19/12 | 9:27:16 PM | 0.28 | 228 | 397 | 9 |
| 7/19/12 | 9:28:16 PM | 0.28 | 229 | 396 | 9 |
| 7/19/12 | 9:29:16 PM | 0.28 | 229 | 397 | 9 |
| 7/19/12 | 9:30:16 PM | 0.28 | 230 | 397 | 9 |
| 7/19/12 | 9:31:16 PM | 0.28 | 231 | 397 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 9:32:16 PM | 0.28 | 230 | 398 | 9 |
| 7/19/12 | 9:33:16 PM | 0.28 | 231 | 397 | 9 |
| 7/19/12 | 9:34:16 PM | 0.28 | 232 | 399 | 9 |
| 7/19/12 | 9:35:16 PM | 0.28 | 232 | 401 | 9 |
| 7/19/12 | 9:36:16 PM | 0.28 | 232 | 399 | 9 |
| 7/19/12 | 9:37:16 PM | 0.28 | 232 | 400 | 9 |
| 7/19/12 | 9:38:16 PM | 0.28 | 232 | 403 | 9 |
| 7/19/12 | 9:39:16 PM | 0.28 | 232 | 405 | 9 |
| 7/19/12 | 9:40:16 PM | 0.28 | 232 | 405 | 9 |
| 7/19/12 | 9:41:16 PM | 0.28 | 231 | 408 | 8 |
| 7/19/12 | 9:42:16 PM | 0.28 | 231 | 406 | 8 |
| 7/19/12 | 9:43:16 PM | 0.28 | 231 | 406 | 9 |
| 7/19/12 | 9:44:16 PM | 0.28 | 230 | 405 | 9 |
| 7/19/12 | 9:45:16 PM | 0.28 | 231 | 403 | 9 |
| 7/19/12 | 9:46:16 PM | 0.28 | 231 | 405 | 9 |
| 7/19/12 | 9:47:16 PM | 0.28 | 232 | 405 | 8 |
| 7/19/12 | 9:48:16 PM | 0.28 | 232 | 406 | 8 |
| 7/19/12 | 9:49:16 PM | 0.28 | 231 | 407 | 9 |
| 7/19/12 | 9:50:16 PM | 0.28 | 231 | 408 | 9 |
| 7/19/12 | 9:51:16 PM | 0.28 | 230 | 409 | 9 |
| 7/19/12 | 9:52:16 PM | 0.28 | 231 | 407 | 9 |
| 7/19/12 | 9:53:16 PM | 0.28 | 231 | 408 | 9 |
| 7/19/12 | 9:54:16 PM | 0.28 | 231 | 407 | 9 |
| 7/19/12 | 9:55:16 PM | 0.28 | 230 | 406 | 9 |
| 7/19/12 | 9:56:16 PM | 0.28 | 230 | 406 | 9 |
| 7/19/12 | 9:57:16 PM | 0.28 | 229 | 404 | 9 |
| 7/19/12 | 9:58:16 PM | 0.28 | 229 | 402 | 9 |
| 7/19/12 | 9:59:16 PM | 0.28 | 228 | 402 | 9 |
| 7/19/12 | 10:00:16 PM | 0.28 | 228 | 400 | 9 |
| 7/19/12 | 10:01:16 PM | 0.28 | 227 | 400 | 9 |
| 7/19/12 | 10:02:16 PM | 0.28 | 226 | 398 | 8 |
| 7/19/12 | 10:03:16 PM | 0.28 | 227 | 398 | 8 |
| 7/19/12 | 10:04:16 PM | 0.28 | 227 | 396 | 9 |
| 7/19/12 | 10:05:16 PM | 0.28 | 226 | 403 | 9 |
| 7/19/12 | 10:06:16 PM | 0.28 | 226 | 403 | 9 |
| 7/19/12 | 10:07:16 PM | 0.28 | 226 | 399 | 9 |
| 7/19/12 | 10:08:16 PM | 0.28 | 225 | 399 | 9 |
| 7/19/12 | 10:09:16 PM | 0.28 | 225 | 399 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/19/12 10:10:16 PM | 0.28 | 225 | 397 | 9 |
| 7/19/12 10:11:16 PM | 0.29 | 225 | 397 | 9 |
| 7/19/12 10:12:16 PM | 0.29 | 224 | 397 | 9 |
| 7/19/12 10:13:16 PM | 0.29 | 224 | 397 | 9 |
| 7/19/12 10:14:16 PM | 0.29 | 223 | 395 | 9 |
| 7/19/12 10:15:16 PM | 0.28 | 222 | 392 | 9 |
| 7/19/12 10:16:16 PM | 0.29 | 222 | 392 | 9 |
| 7/19/12 10:17:16 PM | 0.29 | 222 | 392 | 8 |
| 7/19/12 10:18:16 PM | 0.29 | 223 | 391 | 8 |
| 7/19/12 10:19:16 PM | 0.29 | 224 | 393 | 9 |
| 7/19/12 10:20:16 PM | 0.29 | 224 | 392 | 9 |
| 7/19/12 10:21:16 PM | 0.28 | 224 | 395 | 9 |
| 7/19/12 10:22:16 PM | 0.29 | 224 | 393 | 9 |
| 7/19/12 10:23:16 PM | 0.28 | 225 | 392 | 9 |
| 7/19/12 10:24:16 PM | 0.28 | 226 | 394 | 9 |
| 7/19/12 10:25:16 PM | 0.28 | 225 | 394 | 9 |
| 7/19/12 10:26:16 PM | 0.28 | 226 | 396 | 9 |
| 7/19/12 10:27:16 PM | 0.28 | 226 | 393 | 9 |
| 7/19/12 10:28:16 PM | 0.28 | 226 | 393 | 9 |
| 7/19/12 10:29:16 PM | 0.28 | 226 | 395 | 9 |
| 7/19/12 10:30:16 PM | 0.28 | 227 | 393 | 9 |
| 7/19/12 10:31:16 PM | 0.28 | 226 | 393 | 9 |
| 7/19/12 10:32:16 PM | 0.28 | 226 | 393 | 9 |
| 7/19/12 10:33:16 PM | 0.29 | 226 | 393 | 9 |
| 7/19/12 10:34:16 PM | 0.29 | 225 | 390 | 9 |
| 7/19/12 10:35:16 PM | 0.29 | 224 | 389 | 9 |
| 7/19/12 10:36:16 PM | 0.28 | 223 | 387 | 9 |
| 7/19/12 10:37:16 PM | 0.28 | 223 | 388 | 9 |
| 7/19/12 10:38:16 PM | 0.28 | 224 | 388 | 9 |
| 7/19/12 10:39:16 PM | 0.28 | 224 | 388 | 9 |
| 7/19/12 10:40:16 PM | 0.28 | 225 | 388 | 9 |
| 7/19/12 10:41:16 PM | 0.29 | 226 | 389 | 9 |
| 7/19/12 10:42:16 PM | 0.28 | 227 | 391 | 9 |
| 7/19/12 10:43:16 PM | 0.28 | 228 | 394 | 9 |
| 7/19/12 10:44:16 PM | 0.28 | 228 | 395 | 9 |
| 7/19/12 10:45:16 PM | 0.28 | 228 | 394 | 9 |
| 7/19/12 10:46:16 PM | 0.28 | 229 | 395 | 9 |
| 7/19/12 10:47:16 PM | 0.28 | 229 | 394 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/19/12 10:48:16 PM | 0.28 | 229 | 395 | 8 |
| 7/19/12 10:49:16 PM | 0.28 | 229 | 394 | 8 |
| 7/19/12 10:50:16 PM | 0.28 | 228 | 392 | 8 |
| 7/19/12 10:51:16 PM | 0.28 | 227 | 393 | 8 |
| 7/19/12 10:52:16 PM | 0.28 | 227 | 393 | 9 |
| 7/19/12 10:53:16 PM | 0.28 | 227 | 392 | 9 |
| 7/19/12 10:54:16 PM | 0.29 | 227 | 393 | 9 |
| 7/19/12 10:55:16 PM | 0.28 | 228 | 394 | 9 |
| 7/19/12 10:56:16 PM | 0.28 | 229 | 398 | 9 |
| 7/19/12 10:57:16 PM | 0.28 | 229 | 396 | 9 |
| 7/19/12 10:58:16 PM | 0.28 | 230 | 395 | 9 |
| 7/19/12 10:59:16 PM | 0.28 | 231 | 399 | 8 |
| 7/19/12 11:00:16 PM | 0.28 | 231 | 401 | 8 |
| 7/19/12 11:01:16 PM | 0.28 | 231 | 402 | 9 |
| 7/19/12 11:02:16 PM | 0.28 | 230 | 404 | 9 |
| 7/19/12 11:03:16 PM | 0.28 | 230 | 405 | 9 |
| 7/19/12 11:04:16 PM | 0.28 | 229 | 404 | 9 |
| 7/19/12 11:05:16 PM | 0.28 | 230 | 403 | 9 |
| 7/19/12 11:06:16 PM | 0.28 | 230 | 398 | 9 |
| 7/19/12 11:07:16 PM | 0.28 | 229 | 397 | 9 |
| 7/19/12 11:08:16 PM | 0.28 | 228 | 397 | 9 |
| 7/19/12 11:09:16 PM | 0.28 | 227 | 395 | 9 |
| 7/19/12 11:10:16 PM | 0.28 | 226 | 393 | 9 |
| 7/19/12 11:11:16 PM | 0.28 | 226 | 393 | 8 |
| 7/19/12 11:12:16 PM | 0.28 | 226 | 392 | 8 |
| 7/19/12 11:13:16 PM | 0.28 | 227 | 392 | 9 |
| 7/19/12 11:14:16 PM | 0.28 | 226 | 391 | 9 |
| 7/19/12 11:15:16 PM | 0.29 | 225 | 389 | 9 |
| 7/19/12 11:16:16 PM | 0.29 | 224 | 389 | 9 |
| 7/19/12 11:17:16 PM | 0.29 | 223 | 392 | 8 |
| 7/19/12 11:18:16 PM | 0.29 | 224 | 390 | 8 |
| 7/19/12 11:19:16 PM | 0.29 | 225 | 390 | 8 |
| 7/19/12 11:20:16 PM | 0.29 | 225 | 392 | 8 |
| 7/19/12 11:21:16 PM | 0.29 | 224 | 390 | 8 |
| 7/19/12 11:22:16 PM | 0.29 | 223 | 391 | 9 |
| 7/19/12 11:23:16 PM | 0.28 | 223 | 391 | 9 |
| 7/19/12 11:24:16 PM | 0.28 | 224 | 391 | 9 |
| 7/19/12 11:25:16 PM | 0.29 | 223 | 392 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **19-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **19-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/19/12 | 11:26:16 PM | 0.29 | 223 | 388 | 9 |
| 7/19/12 | 11:27:16 PM | 0.29 | 221 | 387 | 9 |
| 7/19/12 | 11:28:16 PM | 0.29 | 221 | 386 | 9 |
| 7/19/12 | 11:29:16 PM | 0.29 | 220 | 386 | 9 |
| 7/19/12 | 11:30:16 PM | 0.29 | 220 | 387 | 9 |
| 7/19/12 | 11:31:16 PM | 0.29 | 220 | 387 | 9 |
| 7/19/12 | 11:32:16 PM | 0.29 | 218 | 386 | 8 |
| 7/19/12 | 11:33:16 PM | 0.29 | 218 | 387 | 8 |
| 7/19/12 | 11:34:16 PM | 0.29 | 219 | 385 | 9 |
| 7/19/12 | 11:35:16 PM | 0.29 | 219 | 388 | 9 |
| 7/19/12 | 11:36:16 PM | 0.29 | 219 | 389 | 9 |
| 7/19/12 | 11:37:16 PM | 0.29 | 220 | 390 | 9 |
| 7/19/12 | 11:38:16 PM | 0.29 | 219 | 394 | 8 |
| 7/19/12 | 11:39:16 PM | 0.29 | 219 | 395 | 8 |
| 7/19/12 | 11:40:16 PM | 0.29 | 219 | 394 | 9 |
| 7/19/12 | 11:41:16 PM | 0.29 | 219 | 392 | 9 |
| 7/19/12 | 11:42:16 PM | 0.29 | 219 | 395 | 9 |
| 7/19/12 | 11:43:16 PM | 0.29 | 218 | 603 | 9 |
| 7/19/12 | 11:44:16 PM | 0.29 | 218 | 812 | 9 |
| 7/19/12 | 11:45:16 PM | 0.29 | 219 | 726 | 9 |
| 7/19/12 | 11:46:16 PM | 0.29 | 220 | 665 | 9 |
| 7/19/12 | 11:47:16 PM | 0.29 | 221 | 632 | 9 |
| 7/19/12 | 11:48:16 PM | 0.29 | 220 | 608 | 9 |
| 7/19/12 | 11:49:16 PM | 0.29 | 220 | 580 | 9 |
| 7/19/12 | 11:50:16 PM | 0.29 | 220 | 562 | 9 |
| 7/19/12 | 11:51:16 PM | 0.29 | 220 | 544 | 9 |
| 7/19/12 | 11:52:16 PM | 0.29 | 220 | 528 | 9 |
| 7/19/12 | 11:53:16 PM | 0.29 | 218 | 518 | 10 |
| 7/19/12 | 11:54:16 PM | 0.29 | 218 | 505 | 10 |
| 7/19/12 | 11:55:16 PM | 0.30 | 218 | 493 | 10 |
| 7/19/12 | 11:56:16 PM | 0.29 | 218 | 483 | 11 |
| 7/19/12 | 11:57:16 PM | 0.29 | 217 | 474 | 11 |
| 7/19/12 | 11:58:16 PM | 0.29 | 217 | 466 | 11 |
| 7/19/12 | 11:59:16 PM | 0.29 | 217 | 460 | 11 |
| Averages | | 0.29 | 220 | 365 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 0:00:15 AM | 0.29 | 217 | 453 | 11 |
| 7/20/2012 0:01:15 AM | 0.30 | 218 | 446 | 11 |
| 7/20/2012 0:02:15 AM | 0.29 | 217 | 443 | 12 |
| 7/20/2012 0:03:15 AM | 0.29 | 218 | 438 | 12 |
| 7/20/2012 0:04:15 AM | 0.29 | 218 | 436 | 12 |
| 7/20/2012 0:05:15 AM | 0.29 | 219 | 434 | 11 |
| 7/20/2012 0:06:15 AM | 0.29 | 219 | 432 | 11 |
| 7/20/2012 0:07:15 AM | 0.29 | 219 | 429 | 12 |
| 7/20/2012 0:08:15 AM | 0.29 | 220 | 427 | 12 |
| 7/20/2012 0:09:15 AM | 0.29 | 220 | 425 | 12 |
| 7/20/2012 0:10:15 AM | 0.29 | 219 | 424 | 12 |
| 7/20/2012 0:11:15 AM | 0.29 | 218 | 422 | 12 |
| 7/20/2012 0:12:15 AM | 0.29 | 217 | 420 | 12 |
| 7/20/2012 0:13:15 AM | 0.30 | 216 | 419 | 13 |
| 7/20/2012 0:14:15 AM | 0.29 | 216 | 418 | 13 |
| 7/20/2012 0:15:15 AM | 0.29 | 216 | 418 | 13 |
| 7/20/2012 0:16:15 AM | 0.30 | 217 | 422 | 13 |
| 7/20/2012 0:17:15 AM | 0.29 | 217 | 427 | 12 |
| 7/20/2012 0:18:15 AM | 0.29 | 219 | 428 | 12 |
| 7/20/2012 0:19:15 AM | 0.29 | 219 | 431 | 12 |
| 7/20/2012 0:20:15 AM | 0.29 | 219 | 432 | 12 |
| 7/20/2012 0:21:15 AM | 0.29 | 220 | 435 | 12 |
| 7/20/2012 0:22:15 AM | 0.29 | 221 | 437 | 12 |
| 7/20/2012 0:23:15 AM | 0.29 | 220 | 437 | 12 |
| 7/20/2012 0:24:15 AM | 0.29 | 221 | 435 | 12 |
| 7/20/2012 0:25:15 AM | 0.29 | 221 | 437 | 12 |
| 7/20/2012 0:26:15 AM | 0.29 | 221 | 437 | 11 |
| 7/20/2012 0:27:15 AM | 0.29 | 221 | 437 | 11 |
| 7/20/2012 0:28:15 AM | 0.29 | 221 | 437 | 11 |
| 7/20/2012 0:29:15 AM | 0.29 | 220 | 437 | 11 |
| 7/20/2012 0:30:15 AM | 0.29 | 220 | 435 | 11 |
| 7/20/2012 0:31:15 AM | 0.29 | 218 | 434 | 11 |
| 7/20/2012 0:32:15 AM | 0.30 | 218 | 434 | 11 |
| 7/20/2012 0:33:15 AM | 0.29 | 217 | 434 | 11 |
| 7/20/2012 0:34:15 AM | 0.29 | 216 | 435 | 11 |
| 7/20/2012 0:35:15 AM | 0.30 | 215 | 429 | 11 |
| 7/20/2012 0:36:15 AM | 0.29 | 215 | 427 | 11 |
| 7/20/2012 0:37:15 AM | 0.30 | 215 | 428 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 0:38:15 AM | 0.29 | 215 | 431 | 11 |
| 7/20/2012 0:39:15 AM | 0.30 | 216 | 430 | 11 |
| 7/20/2012 0:40:15 AM | 0.30 | 216 | 430 | 11 |
| 7/20/2012 0:41:15 AM | 0.30 | 215 | 429 | 11 |
| 7/20/2012 0:42:15 AM | 0.30 | 215 | 427 | 11 |
| 7/20/2012 0:43:15 AM | 0.30 | 216 | 425 | 11 |
| 7/20/2012 0:44:15 AM | 0.29 | 216 | 427 | 11 |
| 7/20/2012 0:45:15 AM | 0.29 | 216 | 424 | 11 |
| 7/20/2012 0:46:15 AM | 0.29 | 216 | 421 | 11 |
| 7/20/2012 0:47:15 AM | 0.30 | 216 | 421 | 11 |
| 7/20/2012 0:48:15 AM | 0.30 | 215 | 420 | 11 |
| 7/20/2012 0:49:15 AM | 0.30 | 214 | 418 | 11 |
| 7/20/2012 0:50:15 AM | 0.30 | 215 | 417 | 11 |
| 7/20/2012 0:51:15 AM | 0.29 | 215 | 417 | 11 |
| 7/20/2012 0:52:15 AM | 0.29 | 217 | 417 | 11 |
| 7/20/2012 0:53:15 AM | 0.29 | 217 | 416 | 11 |
| 7/20/2012 0:54:15 AM | 0.29 | 217 | 414 | 11 |
| 7/20/2012 0:55:15 AM | 0.29 | 218 | 413 | 11 |
| 7/20/2012 0:56:15 AM | 0.29 | 219 | 417 | 11 |
| 7/20/2012 0:57:15 AM | 0.29 | 220 | 418 | 11 |
| 7/20/2012 0:58:15 AM | 0.29 | 221 | 418 | 11 |
| 7/20/2012 0:59:15 AM | 0.29 | 221 | 421 | 11 |
| 7/20/2012 1:00:15 AM | 0.29 | 222 | 418 | 11 |
| 7/20/2012 1:01:15 AM | 0.29 | 223 | 418 | 11 |
| 7/20/2012 1:02:15 AM | 0.29 | 223 | 416 | 10 |
| 7/20/2012 1:03:15 AM | 0.29 | 222 | 416 | 10 |
| 7/20/2012 1:04:15 AM | 0.29 | 223 | 415 | 11 |
| 7/20/2012 1:05:15 AM | 0.29 | 223 | 413 | 11 |
| 7/20/2012 1:06:15 AM | 0.29 | 223 | 414 | 11 |
| 7/20/2012 1:07:15 AM | 0.29 | 223 | 413 | 11 |
| 7/20/2012 1:08:15 AM | 0.28 | 222 | 412 | 10 |
| 7/20/2012 1:09:15 AM | 0.29 | 222 | 413 | 10 |
| 7/20/2012 1:10:15 AM | 0.29 | 222 | 412 | 11 |
| 7/20/2012 1:11:15 AM | 0.29 | 223 | 412 | 11 |
| 7/20/2012 1:12:15 AM | 0.28 | 222 | 411 | 11 |
| 7/20/2012 1:13:15 AM | 0.29 | 223 | 409 | 11 |
| 7/20/2012 1:14:15 AM | 0.29 | 223 | 408 | 11 |
| 7/20/2012 1:15:15 AM | 0.28 | 224 | 408 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 1:16:15 AM | 0.29 | 223 | 408 | 11 |
| 7/20/2012 1:17:15 AM | 0.29 | 223 | 408 | 11 |
| 7/20/2012 1:18:15 AM | 0.29 | 223 | 407 | 11 |
| 7/20/2012 1:19:15 AM | 0.29 | 223 | 408 | 11 |
| 7/20/2012 1:20:15 AM | 0.29 | 222 | 408 | 10 |
| 7/20/2012 1:21:15 AM | 0.29 | 221 | 406 | 10 |
| 7/20/2012 1:22:15 AM | 0.29 | 221 | 405 | 10 |
| 7/20/2012 1:23:15 AM | 0.29 | 220 | 407 | 10 |
| 7/20/2012 1:24:15 AM | 0.29 | 221 | 407 | 10 |
| 7/20/2012 1:25:15 AM | 0.29 | 221 | 406 | 10 |
| 7/20/2012 1:26:15 AM | 0.29 | 221 | 408 | 10 |
| 7/20/2012 1:27:15 AM | 0.29 | 221 | 407 | 10 |
| 7/20/2012 1:28:15 AM | 0.29 | 220 | 407 | 10 |
| 7/20/2012 1:29:15 AM | 0.29 | 220 | 407 | 9 |
| 7/20/2012 1:30:15 AM | 0.29 | 219 | 408 | 9 |
| 7/20/2012 1:31:15 AM | 0.29 | 218 | 409 | 10 |
| 7/20/2012 1:32:15 AM | 0.29 | 217 | 407 | 10 |
| 7/20/2012 1:33:15 AM | 0.30 | 216 | 407 | 10 |
| 7/20/2012 1:34:15 AM | 0.29 | 216 | 408 | 10 |
| 7/20/2012 1:35:15 AM | 0.29 | 217 | 411 | 9 |
| 7/20/2012 1:36:15 AM | 0.29 | 217 | 411 | 9 |
| 7/20/2012 1:37:15 AM | 0.30 | 216 | 411 | 10 |
| 7/20/2012 1:38:15 AM | 0.29 | 215 | 411 | 10 |
| 7/20/2012 1:39:15 AM | 0.29 | 215 | 412 | 10 |
| 7/20/2012 1:40:15 AM | 0.30 | 216 | 413 | 10 |
| 7/20/2012 1:41:15 AM | 0.29 | 215 | 414 | 9 |
| 7/20/2012 1:42:15 AM | 0.29 | 216 | 417 | 9 |
| 7/20/2012 1:43:15 AM | 0.29 | 216 | 417 | 10 |
| 7/20/2012 1:44:15 AM | 0.30 | 216 | 419 | 10 |
| 7/20/2012 1:45:15 AM | 0.30 | 215 | 419 | 10 |
| 7/20/2012 1:46:15 AM | 0.30 | 216 | 417 | 10 |
| 7/20/2012 1:47:15 AM | 0.30 | 215 | 418 | 9 |
| 7/20/2012 1:48:15 AM | 0.30 | 215 | 417 | 9 |
| 7/20/2012 1:49:15 AM | 0.30 | 215 | 417 | 10 |
| 7/20/2012 1:50:15 AM | 0.29 | 215 | 417 | 10 |
| 7/20/2012 1:51:15 AM | 0.30 | 215 | 416 | 10 |
| 7/20/2012 1:52:15 AM | 0.29 | 215 | 415 | 10 |
| 7/20/2012 1:53:15 AM | 0.29 | 216 | 414 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 1:54:15 AM | 0.29 | 217 | 416 | 10 |
| 7/20/2012 1:55:15 AM | 0.30 | 216 | 414 | 10 |
| 7/20/2012 1:56:15 AM | 0.29 | 216 | 412 | 10 |
| 7/20/2012 1:57:15 AM | 0.29 | 216 | 412 | 10 |
| 7/20/2012 1:58:15 AM | 0.30 | 216 | 412 | 10 |
| 7/20/2012 1:59:15 AM | 0.29 | 216 | 411 | 10 |
| 7/20/2012 2:00:15 AM | 0.29 | 216 | 410 | 10 |
| 7/20/2012 2:01:15 AM | 0.30 | 216 | 410 | 10 |
| 7/20/2012 2:02:15 AM | 0.30 | 215 | 409 | 10 |
| 7/20/2012 2:03:15 AM | 0.30 | 215 | 408 | 10 |
| 7/20/2012 2:04:15 AM | 0.30 | 214 | 406 | 10 |
| 7/20/2012 2:05:15 AM | 0.30 | 213 | 407 | 10 |
| 7/20/2012 2:06:15 AM | 0.30 | 214 | 407 | 10 |
| 7/20/2012 2:07:15 AM | 0.30 | 214 | 405 | 10 |
| 7/20/2012 2:08:15 AM | 0.30 | 214 | 403 | 10 |
| 7/20/2012 2:09:15 AM | 0.30 | 214 | 403 | 10 |
| 7/20/2012 2:10:15 AM | 0.29 | 215 | 405 | 10 |
| 7/20/2012 2:11:15 AM | 0.30 | 215 | 407 | 10 |
| 7/20/2012 2:12:15 AM | 0.30 | 215 | 404 | 10 |
| 7/20/2012 2:13:15 AM | 0.30 | 215 | 403 | 10 |
| 7/20/2012 2:14:15 AM | 0.29 | 215 | 405 | 9 |
| 7/20/2012 2:15:15 AM | 0.30 | 216 | 406 | 9 |
| 7/20/2012 2:16:15 AM | 0.29 | 216 | 404 | 10 |
| 7/20/2012 2:17:15 AM | 0.29 | 217 | 404 | 10 |
| 7/20/2012 2:18:15 AM | 0.29 | 218 | 406 | 10 |
| 7/20/2012 2:19:15 AM | 0.29 | 217 | 406 | 10 |
| 7/20/2012 2:20:15 AM | 0.29 | 217 | 404 | 10 |
| 7/20/2012 2:21:15 AM | 0.29 | 217 | 408 | 10 |
| 7/20/2012 2:22:15 AM | 0.29 | 217 | 407 | 11 |
| 7/20/2012 2:23:15 AM | 0.30 | 217 | 406 | 11 |
| 7/20/2012 2:24:15 AM | 0.29 | 218 | 408 | 11 |
| 7/20/2012 2:25:15 AM | 0.29 | 218 | 407 | 10 |
| 7/20/2012 2:26:15 AM | 0.29 | 218 | 408 | 10 |
| 7/20/2012 2:27:15 AM | 0.29 | 217 | 408 | 10 |
| 7/20/2012 2:28:15 AM | 0.29 | 217 | 406 | 10 |
| 7/20/2012 2:29:15 AM | 0.30 | 217 | 409 | 10 |
| 7/20/2012 2:30:15 AM | 0.30 | 216 | 407 | 10 |
| 7/20/2012 2:31:15 AM | 0.29 | 216 | 407 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 2:32:15 AM | 0.29 | 217 | 408 | 10 |
| 7/20/2012 2:33:15 AM | 0.29 | 216 | 409 | 10 |
| 7/20/2012 2:34:15 AM | 0.29 | 216 | 411 | 10 |
| 7/20/2012 2:35:15 AM | 0.29 | 216 | 412 | 9 |
| 7/20/2012 2:36:15 AM | 0.29 | 216 | 410 | 9 |
| 7/20/2012 2:37:15 AM | 0.30 | 215 | 411 | 9 |
| 7/20/2012 2:38:15 AM | 0.30 | 215 | 410 | 9 |
| 7/20/2012 2:39:15 AM | 0.29 | 216 | 412 | 9 |
| 7/20/2012 2:40:15 AM | 0.30 | 215 | 412 | 9 |
| 7/20/2012 2:41:15 AM | 0.30 | 215 | 415 | 9 |
| 7/20/2012 2:42:15 AM | 0.29 | 215 | 412 | 9 |
| 7/20/2012 2:43:15 AM | 0.29 | 216 | 413 | 10 |
| 7/20/2012 2:44:15 AM | 0.30 | 216 | 417 | 10 |
| 7/20/2012 2:45:15 AM | 0.30 | 216 | 419 | 10 |
| 7/20/2012 2:46:15 AM | 0.29 | 216 | 418 | 10 |
| 7/20/2012 2:47:15 AM | 0.30 | 215 | 417 | 9 |
| 7/20/2012 2:48:15 AM | 0.30 | 215 | 416 | 9 |
| 7/20/2012 2:49:15 AM | 0.30 | 213 | 417 | 10 |
| 7/20/2012 2:50:15 AM | 0.30 | 214 | 414 | 10 |
| 7/20/2012 2:51:15 AM | 0.30 | 214 | 413 | 10 |
| 7/20/2012 2:52:15 AM | 0.30 | 214 | 413 | 10 |
| 7/20/2012 2:53:15 AM | 0.29 | 215 | 412 | 10 |
| 7/20/2012 2:54:15 AM | 0.29 | 215 | 412 | 10 |
| 7/20/2012 2:55:15 AM | 0.30 | 215 | 412 | 10 |
| 7/20/2012 2:56:15 AM | 0.30 | 215 | 412 | 10 |
| 7/20/2012 2:57:15 AM | 0.30 | 215 | 412 | 10 |
| 7/20/2012 2:58:15 AM | 0.29 | 215 | 410 | 10 |
| 7/20/2012 2:59:15 AM | 0.29 | 216 | 409 | 10 |
| 7/20/2012 3:00:15 AM | 0.29 | 216 | 408 | 10 |
| 7/20/2012 3:01:15 AM | 0.30 | 216 | 408 | 10 |
| 7/20/2012 3:02:15 AM | 0.30 | 215 | 408 | 10 |
| 7/20/2012 3:03:15 AM | 0.30 | 214 | 408 | 10 |
| 7/20/2012 3:04:15 AM | 0.30 | 214 | 405 | 10 |
| 7/20/2012 3:05:15 AM | 0.30 | 214 | 403 | 10 |
| 7/20/2012 3:06:15 AM | 0.30 | 213 | 403 | 10 |
| 7/20/2012 3:07:15 AM | 0.30 | 213 | 403 | 10 |
| 7/20/2012 3:08:15 AM | 0.30 | 213 | 402 | 10 |
| 7/20/2012 3:09:15 AM | 0.30 | 212 | 402 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 3:10:15 AM | 0.30 | 212 | 400 | 10 |
| 7/20/2012 3:11:15 AM | 0.30 | 211 | 399 | 10 |
| 7/20/2012 3:12:15 AM | 0.30 | 211 | 398 | 10 |
| 7/20/2012 3:13:15 AM | 0.30 | 211 | 395 | 10 |
| 7/20/2012 3:14:15 AM | 0.30 | 212 | 396 | 9 |
| 7/20/2012 3:15:15 AM | 0.30 | 212 | 397 | 9 |
| 7/20/2012 3:16:15 AM | 0.30 | 212 | 397 | 9 |
| 7/20/2012 3:17:15 AM | 0.30 | 212 | 398 | 9 |
| 7/20/2012 3:18:15 AM | 0.30 | 211 | 394 | 9 |
| 7/20/2012 3:19:15 AM | 0.30 | 211 | 395 | 10 |
| 7/20/2012 3:20:15 AM | 0.30 | 211 | 396 | 10 |
| 7/20/2012 3:21:15 AM | 0.30 | 211 | 397 | 10 |
| 7/20/2012 3:22:15 AM | 0.30 | 212 | 397 | 10 |
| 7/20/2012 3:23:15 AM | 0.30 | 212 | 398 | 9 |
| 7/20/2012 3:24:15 AM | 0.30 | 213 | 397 | 9 |
| 7/20/2012 3:25:15 AM | 0.30 | 213 | 400 | 9 |
| 7/20/2012 3:26:15 AM | 0.30 | 213 | 402 | 9 |
| 7/20/2012 3:27:15 AM | 0.29 | 214 | 403 | 9 |
| 7/20/2012 3:28:15 AM | 0.30 | 214 | 404 | 9 |
| 7/20/2012 3:29:15 AM | 0.29 | 216 | 404 | 9 |
| 7/20/2012 3:30:15 AM | 0.29 | 217 | 406 | 9 |
| 7/20/2012 3:31:15 AM | 0.29 | 218 | 407 | 9 |
| 7/20/2012 3:32:15 AM | 0.29 | 218 | 408 | 9 |
| 7/20/2012 3:33:15 AM | 0.29 | 219 | 408 | 9 |
| 7/20/2012 3:34:15 AM | 0.29 | 220 | 410 | 9 |
| 7/20/2012 3:35:15 AM | 0.28 | 222 | 411 | 9 |
| 7/20/2012 3:36:15 AM | 0.28 | 223 | 414 | 9 |
| 7/20/2012 3:37:15 AM | 0.28 | 224 | 415 | 9 |
| 7/20/2012 3:38:15 AM | 0.28 | 225 | 416 | 9 |
| 7/20/2012 3:39:15 AM | 0.28 | 226 | 417 | 9 |
| 7/20/2012 3:40:15 AM | 0.28 | 227 | 418 | 10 |
| 7/20/2012 3:41:15 AM | 0.28 | 227 | 418 | 10 |
| 7/20/2012 3:42:15 AM | 0.28 | 227 | 417 | 10 |
| 7/20/2012 3:43:15 AM | 0.28 | 227 | 417 | 10 |
| 7/20/2012 3:44:15 AM | 0.28 | 227 | 416 | 10 |
| 7/20/2012 3:45:15 AM | 0.28 | 226 | 416 | 10 |
| 7/20/2012 3:46:15 AM | 0.29 | 226 | 415 | 10 |
| 7/20/2012 3:47:15 AM | 0.29 | 226 | 413 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 3:48:15 AM | 0.28 | 225 | 414 | 10 |
| 7/20/2012 3:49:15 AM | 0.29 | 225 | 413 | 10 |
| 7/20/2012 3:50:15 AM | 0.29 | 226 | 412 | 9 |
| 7/20/2012 3:51:15 AM | 0.28 | 225 | 410 | 9 |
| 7/20/2012 3:52:15 AM | 0.29 | 224 | 408 | 10 |
| 7/20/2012 3:53:15 AM | 0.28 | 224 | 407 | 10 |
| 7/20/2012 3:54:15 AM | 0.29 | 223 | 403 | 10 |
| 7/20/2012 3:55:15 AM | 0.29 | 223 | 402 | 10 |
| 7/20/2012 3:56:15 AM | 0.29 | 223 | 399 | 10 |
| 7/20/2012 3:57:15 AM | 0.28 | 223 | 399 | 10 |
| 7/20/2012 3:58:15 AM | 0.28 | 224 | 398 | 10 |
| 7/20/2012 3:59:15 AM | 0.29 | 223 | 398 | 10 |
| 7/20/2012 4:00:15 AM | 0.29 | 223 | 397 | 10 |
| 7/20/2012 4:01:15 AM | 0.29 | 223 | 398 | 10 |
| 7/20/2012 4:02:15 AM | 0.29 | 223 | 397 | 9 |
| 7/20/2012 4:03:15 AM | 0.29 | 223 | 397 | 9 |
| 7/20/2012 4:04:15 AM | 0.28 | 224 | 398 | 9 |
| 7/20/2012 4:05:15 AM | 0.28 | 225 | 398 | 9 |
| 7/20/2012 4:06:15 AM | 0.28 | 225 | 400 | 9 |
| 7/20/2012 4:07:15 AM | 0.28 | 226 | 401 | 9 |
| 7/20/2012 4:08:15 AM | 0.28 | 226 | 403 | 9 |
| 7/20/2012 4:09:15 AM | 0.29 | 227 | 403 | 9 |
| 7/20/2012 4:10:15 AM | 0.28 | 228 | 405 | 10 |
| 7/20/2012 4:11:15 AM | 0.28 | 227 | 410 | 10 |
| 7/20/2012 4:12:15 AM | 0.28 | 228 | 415 | 10 |
| 7/20/2012 4:13:15 AM | 0.28 | 227 | 420 | 9 |
| 7/20/2012 4:14:15 AM | 0.28 | 227 | 420 | 9 |
| 7/20/2012 4:15:15 AM | 0.28 | 227 | 419 | 9 |
| 7/20/2012 4:16:15 AM | 0.29 | 227 | 422 | 9 |
| 7/20/2012 4:17:15 AM | 0.28 | 227 | 423 | 9 |
| 7/20/2012 4:18:15 AM | 0.28 | 226 | 427 | 9 |
| 7/20/2012 4:19:15 AM | 0.28 | 228 | 430 | 9 |
| 7/20/2012 4:20:15 AM | 0.29 | 228 | 432 | 9 |
| 7/20/2012 4:21:15 AM | 0.28 | 228 | 434 | 9 |
| 7/20/2012 4:22:15 AM | 0.28 | 228 | 436 | 9 |
| 7/20/2012 4:23:15 AM | 0.28 | 229 | 436 | 9 |
| 7/20/2012 4:24:15 AM | 0.29 | 229 | 437 | 9 |
| 7/20/2012 4:25:15 AM | 0.28 | 229 | 438 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 4:26:15 AM | 0.28 | 229 | 440 | 9 |
| 7/20/2012 4:27:15 AM | 0.28 | 229 | 439 | 9 |
| 7/20/2012 4:28:15 AM | 0.28 | 229 | 439 | 10 |
| 7/20/2012 4:29:15 AM | 0.28 | 229 | 436 | 10 |
| 7/20/2012 4:30:15 AM | 0.28 | 229 | 435 | 10 |
| 7/20/2012 4:31:15 AM | 0.28 | 229 | 435 | 10 |
| 7/20/2012 4:32:15 AM | 0.28 | 229 | 432 | 10 |
| 7/20/2012 4:33:15 AM | 0.28 | 229 | 432 | 10 |
| 7/20/2012 4:34:15 AM | 0.28 | 229 | 435 | 10 |
| 7/20/2012 4:35:15 AM | 0.28 | 229 | 437 | 10 |
| 7/20/2012 4:36:15 AM | 0.28 | 229 | 434 | 10 |
| 7/20/2012 4:37:15 AM | 0.28 | 229 | 433 | 10 |
| 7/20/2012 4:38:15 AM | 0.28 | 230 | 430 | 10 |
| 7/20/2012 4:39:15 AM | 0.28 | 230 | 428 | 10 |
| 7/20/2012 4:40:15 AM | 0.28 | 229 | 425 | 10 |
| 7/20/2012 4:41:15 AM | 0.28 | 230 | 421 | 10 |
| 7/20/2012 4:42:15 AM | 0.28 | 230 | 417 | 10 |
| 7/20/2012 4:43:15 AM | 0.28 | 230 | 417 | 10 |
| 7/20/2012 4:44:15 AM | 0.28 | 230 | 416 | 9 |
| 7/20/2012 4:45:15 AM | 0.29 | 229 | 416 | 9 |
| 7/20/2012 4:46:15 AM | 0.28 | 229 | 417 | 9 |
| 7/20/2012 4:47:15 AM | 0.29 | 228 | 418 | 9 |
| 7/20/2012 4:48:15 AM | 0.28 | 228 | 418 | 9 |
| 7/20/2012 4:49:15 AM | 0.28 | 228 | 420 | 9 |
| 7/20/2012 4:50:15 AM | 0.28 | 229 | 422 | 9 |
| 7/20/2012 4:51:15 AM | 0.28 | 228 | 421 | 9 |
| 7/20/2012 4:52:15 AM | 0.28 | 228 | 420 | 10 |
| 7/20/2012 4:53:15 AM | 0.29 | 228 | 419 | 10 |
| 7/20/2012 4:54:15 AM | 0.28 | 228 | 420 | 10 |
| 7/20/2012 4:55:15 AM | 0.28 | 228 | 422 | 10 |
| 7/20/2012 4:56:15 AM | 0.28 | 228 | 423 | 9 |
| 7/20/2012 4:57:15 AM | 0.28 | 228 | 424 | 9 |
| 7/20/2012 4:58:15 AM | 0.28 | 228 | 422 | 9 |
| 7/20/2012 4:59:15 AM | 0.28 | 229 | 422 | 8 |
| 7/20/2012 5:00:15 AM | 0.28 | 230 | 421 | 8 |
| 7/20/2012 5:01:15 AM | 0.28 | 230 | 422 | 8 |
| 7/20/2012 5:02:15 AM | 0.28 | 230 | 423 | 8 |
| 7/20/2012 5:03:15 AM | 0.28 | 230 | 426 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 5:04:15 AM | 0.28 | 230 | 429 | 8 |
| 7/20/2012 5:05:15 AM | 0.28 | 230 | 431 | 8 |
| 7/20/2012 5:06:15 AM | 0.28 | 230 | 432 | 8 |
| 7/20/2012 5:07:15 AM | 0.28 | 230 | 432 | 8 |
| 7/20/2012 5:08:15 AM | 0.28 | 229 | 432 | 8 |
| 7/20/2012 5:09:15 AM | 0.28 | 229 | 436 | 8 |
| 7/20/2012 5:10:15 AM | 0.28 | 230 | 434 | 9 |
| 7/20/2012 5:11:15 AM | 0.28 | 229 | 429 | 9 |
| 7/20/2012 5:12:15 AM | 0.28 | 229 | 427 | 9 |
| 7/20/2012 5:13:15 AM | 0.28 | 229 | 423 | 9 |
| 7/20/2012 5:14:15 AM | 0.28 | 229 | 422 | 9 |
| 7/20/2012 5:15:15 AM | 0.28 | 229 | 422 | 9 |
| 7/20/2012 5:16:15 AM | 0.28 | 228 | 423 | 9 |
| 7/20/2012 5:17:15 AM | 0.28 | 228 | 425 | 9 |
| 7/20/2012 5:18:15 AM | 0.28 | 228 | 422 | 9 |
| 7/20/2012 5:19:15 AM | 0.28 | 228 | 421 | 9 |
| 7/20/2012 5:20:15 AM | 0.28 | 228 | 425 | 9 |
| 7/20/2012 5:21:15 AM | 0.28 | 229 | 429 | 9 |
| 7/20/2012 5:22:15 AM | 0.28 | 228 | 431 | 10 |
| 7/20/2012 5:23:15 AM | 0.28 | 228 | 432 | 10 |
| 7/20/2012 5:24:15 AM | 0.28 | 229 | 431 | 10 |
| 7/20/2012 5:25:15 AM | 0.28 | 229 | 427 | 10 |
| 7/20/2012 5:26:15 AM | 0.28 | 229 | 423 | 10 |
| 7/20/2012 5:27:15 AM | 0.28 | 230 | 421 | 10 |
| 7/20/2012 5:28:15 AM | 0.28 | 230 | 419 | 10 |
| 7/20/2012 5:29:15 AM | 0.28 | 230 | 417 | 9 |
| 7/20/2012 5:30:15 AM | 0.28 | 229 | 418 | 9 |
| 7/20/2012 5:31:15 AM | 0.28 | 229 | 419 | 10 |
| 7/20/2012 5:32:15 AM | 0.28 | 229 | 420 | 10 |
| 7/20/2012 5:33:15 AM | 0.28 | 229 | 420 | 10 |
| 7/20/2012 5:34:15 AM | 0.28 | 229 | 419 | 10 |
| 7/20/2012 5:35:15 AM | 0.28 | 229 | 417 | 9 |
| 7/20/2012 5:36:15 AM | 0.28 | 228 | 416 | 9 |
| 7/20/2012 5:37:15 AM | 0.28 | 228 | 418 | 10 |
| 7/20/2012 5:38:15 AM | 0.28 | 227 | 417 | 10 |
| 7/20/2012 5:39:15 AM | 0.29 | 227 | 417 | 10 |
| 7/20/2012 5:40:15 AM | 0.29 | 226 | 416 | 10 |
| 7/20/2012 5:41:15 AM | 0.28 | 226 | 414 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 5:42:15 AM | 0.28 | 225 | 413 | 9 |
| 7/20/2012 5:43:15 AM | 0.28 | 225 | 415 | 9 |
| 7/20/2012 5:44:15 AM | 0.28 | 226 | 416 | 9 |
| 7/20/2012 5:45:15 AM | 0.28 | 226 | 416 | 9 |
| 7/20/2012 5:46:15 AM | 0.28 | 227 | 418 | 9 |
| 7/20/2012 5:47:15 AM | 0.28 | 226 | 415 | 9 |
| 7/20/2012 5:48:15 AM | 0.28 | 227 | 418 | 9 |
| 7/20/2012 5:49:15 AM | 0.28 | 227 | 419 | 9 |
| 7/20/2012 5:50:15 AM | 0.28 | 227 | 422 | 8 |
| 7/20/2012 5:51:15 AM | 0.28 | 227 | 423 | 8 |
| 7/20/2012 5:52:15 AM | 0.28 | 229 | 423 | 9 |
| 7/20/2012 5:53:15 AM | 0.28 | 229 | 421 | 9 |
| 7/20/2012 5:54:15 AM | 0.28 | 230 | 420 | 9 |
| 7/20/2012 5:55:15 AM | 0.28 | 230 | 420 | 9 |
| 7/20/2012 5:56:15 AM | 0.28 | 231 | 419 | 8 |
| 7/20/2012 5:57:15 AM | 0.28 | 231 | 421 | 8 |
| 7/20/2012 5:58:15 AM | 0.28 | 231 | 423 | 9 |
| 7/20/2012 5:59:15 AM | 0.28 | 232 | 425 | 9 |
| 7/20/2012 6:00:15 AM | 0.28 | 231 | 423 | 9 |
| 7/20/2012 6:01:15 AM | 0.28 | 231 | 425 | 9 |
| 7/20/2012 6:02:15 AM | 0.28 | 231 | 429 | 8 |
| 7/20/2012 6:03:15 AM | 0.28 | 232 | 431 | 8 |
| 7/20/2012 6:04:15 AM | 0.28 | 232 | 432 | 9 |
| 7/20/2012 6:05:15 AM | 0.28 | 233 | 436 | 9 |
| 7/20/2012 6:06:15 AM | 0.28 | 232 | 437 | 9 |
| 7/20/2012 6:07:15 AM | 0.28 | 231 | 437 | 9 |
| 7/20/2012 6:08:15 AM | 0.29 | 231 | 437 | 9 |
| 7/20/2012 6:09:15 AM | 0.28 | 230 | 437 | 9 |
| 7/20/2012 6:10:15 AM | 0.28 | 231 | 433 | 9 |
| 7/20/2012 6:11:15 AM | 0.28 | 231 | 430 | 9 |
| 7/20/2012 6:12:15 AM | 0.28 | 231 | 430 | 9 |
| 7/20/2012 6:13:15 AM | 0.28 | 231 | 429 | 9 |
| 7/20/2012 6:14:15 AM | 0.28 | 230 | 432 | 9 |
| 7/20/2012 6:15:15 AM | 0.28 | 230 | 429 | 9 |
| 7/20/2012 6:16:15 AM | 0.28 | 231 | 426 | 9 |
| 7/20/2012 6:17:15 AM | 0.28 | 231 | 423 | 9 |
| 7/20/2012 6:18:15 AM | 0.28 | 230 | 422 | 9 |
| 7/20/2012 6:19:15 AM | 0.28 | 231 | 419 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 6:20:15 AM | 0.28 | 231 | 418 | 9 |
| 7/20/2012 6:21:15 AM | 0.28 | 231 | 417 | 9 |
| 7/20/2012 6:22:15 AM | 0.28 | 232 | 416 | 9 |
| 7/20/2012 6:23:15 AM | 0.28 | 232 | 417 | 9 |
| 7/20/2012 6:24:15 AM | 0.28 | 232 | 417 | 9 |
| 7/20/2012 6:25:15 AM | 0.28 | 232 | 417 | 9 |
| 7/20/2012 6:26:15 AM | 0.28 | 231 | 417 | 9 |
| 7/20/2012 6:27:15 AM | 0.28 | 231 | 417 | 9 |
| 7/20/2012 6:28:15 AM | 0.28 | 231 | 414 | 9 |
| 7/20/2012 6:29:15 AM | 0.28 | 232 | 414 | 9 |
| 7/20/2012 6:30:15 AM | 0.28 | 232 | 413 | 9 |
| 7/20/2012 6:31:15 AM | 0.28 | 233 | 413 | 9 |
| 7/20/2012 6:32:15 AM | 0.28 | 233 | 414 | 8 |
| 7/20/2012 6:33:15 AM | 0.28 | 234 | 415 | 8 |
| 7/20/2012 6:34:15 AM | 0.28 | 233 | 412 | 9 |
| 7/20/2012 6:35:15 AM | 0.28 | 233 | 411 | 9 |
| 7/20/2012 6:36:15 AM | 0.28 | 233 | 413 | 9 |
| 7/20/2012 6:37:15 AM | 0.28 | 233 | 414 | 9 |
| 7/20/2012 6:38:15 AM | 0.28 | 233 | 413 | 9 |
| 7/20/2012 6:39:15 AM | 0.28 | 234 | 412 | 9 |
| 7/20/2012 6:40:15 AM | 0.28 | 233 | 414 | 9 |
| 7/20/2012 6:41:15 AM | 0.28 | 233 | 412 | 9 |
| 7/20/2012 6:42:15 AM | 0.28 | 233 | 412 | 9 |
| 7/20/2012 6:43:15 AM | 0.28 | 234 | 412 | 9 |
| 7/20/2012 6:44:15 AM | 0.28 | 234 | 413 | 9 |
| 7/20/2012 6:45:15 AM | 0.28 | 234 | 411 | 9 |
| 7/20/2012 6:46:15 AM | 0.28 | 234 | 412 | 9 |
| 7/20/2012 6:47:15 AM | 0.28 | 234 | 411 | 9 |
| 7/20/2012 6:48:15 AM | 0.28 | 234 | 408 | 9 |
| 7/20/2012 6:49:15 AM | 0.28 | 234 | 408 | 9 |
| 7/20/2012 6:50:15 AM | 0.28 | 234 | 408 | 9 |
| 7/20/2012 6:51:15 AM | 0.28 | 233 | 406 | 9 |
| 7/20/2012 6:52:15 AM | 0.28 | 233 | 404 | 9 |
| 7/20/2012 6:53:15 AM | 0.28 | 233 | 404 | 9 |
| 7/20/2012 6:54:15 AM | 0.28 | 232 | 403 | 9 |
| 7/20/2012 6:55:15 AM | 0.28 | 232 | 404 | 9 |
| 7/20/2012 6:56:15 AM | 0.28 | 233 | 405 | 8 |
| 7/20/2012 6:57:15 AM | 0.28 | 234 | 406 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 6:58:15 AM | 0.28 | 234 | 407 | 9 |
| 7/20/2012 6:59:15 AM | 0.26 | 233 | 408 | 9 |
| 7/20/2012 7:00:15 AM | 0.01 | 224 | 409 | 9 |
| 7/20/2012 7:01:15 AM | 0.01 | 210 | 410 | 9 |
| 7/20/2012 7:02:15 AM | 0.01 | 199 | 410 | 9 |
| 7/20/2012 7:03:15 AM | 0.01 | 190 | 407 | 9 |
| 7/20/2012 7:04:15 AM | 0.01 | 184 | 405 | 9 |
| 7/20/2012 7:05:15 AM | 0.00 | 177 | 402 | 9 |
| 7/20/2012 7:06:15 AM | 0.00 | 171 | 397 | 9 |
| 7/20/2012 7:07:15 AM | 0.00 | 164 | 392 | 9 |
| 7/20/2012 7:08:15 AM | 0.00 | 160 | 385 | 9 |
| 7/20/2012 7:09:15 AM | 0.00 | 157 | 380 | 9 |
| 7/20/2012 7:10:15 AM | 0.00 | 154 | 379 | 9 |
| 7/20/2012 7:11:15 AM | 0.00 | 150 | 376 | 9 |
| 7/20/2012 7:12:15 AM | 0.00 | 147 | 372 | 9 |
| 7/20/2012 7:13:15 AM | 0.00 | 146 | 369 | 9 |
| 7/20/2012 7:14:15 AM | 0.00 | 146 | 372 | 8 |
| 7/20/2012 7:15:15 AM | 0.01 | 146 | 373 | 8 |
| 7/20/2012 7:16:15 AM | 0.00 | 146 | 376 | 9 |
| 7/20/2012 7:17:15 AM | 0.00 | 145 | 380 | 9 |
| 7/20/2012 7:18:15 AM | 0.01 | 144 | 379 | 9 |
| 7/20/2012 7:19:15 AM | 0.00 | 144 | 380 | 9 |
| 7/20/2012 7:20:15 AM | 0.00 | 143 | 382 | 9 |
| 7/20/2012 7:21:15 AM | 0.00 | 142 | 385 | 9 |
| 7/20/2012 7:22:15 AM | 0.00 | 141 | 382 | 9 |
| 7/20/2012 7:23:15 AM | 0.01 | 140 | 379 | 9 |
| 7/20/2012 7:24:15 AM | 0.01 | 139 | 378 | 9 |
| 7/20/2012 7:25:15 AM | 0.01 | 138 | 379 | 9 |
| 7/20/2012 7:26:15 AM | 0.01 | 137 | 379 | 9 |
| 7/20/2012 7:27:15 AM | 0.00 | 136 | 378 | 9 |
| 7/20/2012 7:28:15 AM | 0.00 | 133 | 379 | 9 |
| 7/20/2012 7:29:15 AM | 0.01 | 137 | 382 | 9 |
| 7/20/2012 7:30:15 AM | 0.01 | 137 | 383 | 9 |
| 7/20/2012 7:31:15 AM | 0.00 | 135 | 382 | 10 |
| 7/20/2012 7:32:15 AM | 0.00 | 133 | 382 | 10 |
| 7/20/2012 7:33:15 AM | 0.00 | 129 | 379 | 10 |
| 7/20/2012 7:34:15 AM | 0.00 | 121 | 373 | 9 |
| 7/20/2012 7:35:15 AM | 0.00 | 117 | 363 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 7:36:15 AM | 0.00 | 119 | 357 | 9 |
| 7/20/2012 7:37:15 AM | 0.00 | 122 | 362 | 9 |
| 7/20/2012 7:38:15 AM | 0.00 | 117 | 362 | 9 |
| 7/20/2012 7:39:15 AM | 0.00 | 113 | 357 | 9 |
| 7/20/2012 7:40:15 AM | 0.00 | 116 | 351 | 9 |
| 7/20/2012 7:41:15 AM | 0.06 | 121 | 355 | 9 |
| 7/20/2012 7:42:15 AM | 0.31 | 180 | 357 | 9 |
| 7/20/2012 7:43:15 AM | 0.30 | 203 | 367 | 9 |
| 7/20/2012 7:44:15 AM | 0.29 | 210 | 378 | 9 |
| 7/20/2012 7:45:15 AM | 0.29 | 215 | 387 | 9 |
| 7/20/2012 7:46:15 AM | 0.29 | 218 | 397 | 9 |
| 7/20/2012 7:47:15 AM | 0.29 | 221 | 401 | 8 |
| 7/20/2012 7:48:15 AM | 0.29 | 224 | 411 | 8 |
| 7/20/2012 7:49:15 AM | 0.29 | 225 | 415 | 9 |
| 7/20/2012 7:50:15 AM | 0.28 | 226 | 417 | 9 |
| 7/20/2012 7:51:15 AM | 0.28 | 227 | 420 | 9 |
| 7/20/2012 7:52:15 AM | 0.29 | 227 | 423 | 9 |
| 7/20/2012 7:53:15 AM | 0.29 | 228 | 429 | 9 |
| 7/20/2012 7:54:15 AM | 0.29 | 229 | 434 | 9 |
| 7/20/2012 7:55:15 AM | 0.29 | 230 | 439 | 9 |
| 7/20/2012 7:56:15 AM | 0.29 | 230 | 440 | 8 |
| 7/20/2012 7:57:15 AM | 0.29 | 230 | 436 | 8 |
| 7/20/2012 7:58:15 AM | 0.28 | 230 | 438 | 9 |
| 7/20/2012 7:59:15 AM | 0.28 | 231 | 440 | 9 |
| 7/20/2012 8:00:15 AM | 0.28 | 230 | 441 | 9 |
| 7/20/2012 8:01:15 AM | 0.28 | 231 | 441 | 9 |
| 7/20/2012 8:02:15 AM | 0.28 | 231 | 443 | 8 |
| 7/20/2012 8:03:15 AM | 0.28 | 231 | 441 | 8 |
| 7/20/2012 8:04:15 AM | 0.28 | 231 | 444 | 8 |
| 7/20/2012 8:05:15 AM | 0.29 | 231 | 446 | 8 |
| 7/20/2012 8:06:15 AM | 0.28 | 231 | 444 | 8 |
| 7/20/2012 8:07:15 AM | 0.28 | 231 | 443 | 9 |
| 7/20/2012 8:08:15 AM | 0.28 | 231 | 444 | 9 |
| 7/20/2012 8:09:15 AM | 0.28 | 231 | 447 | 9 |
| 7/20/2012 8:10:15 AM | 0.28 | 231 | 450 | 9 |
| 7/20/2012 8:11:15 AM | 0.28 | 231 | 453 | 9 |
| 7/20/2012 8:12:15 AM | 0.29 | 232 | 454 | 9 |
| 7/20/2012 8:13:15 AM | 0.28 | 232 | 451 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 8:14:15 AM | 0.28 | 233 | 450 | 8 |
| 7/20/2012 8:15:15 AM | 0.28 | 232 | 452 | 8 |
| 7/20/2012 8:16:15 AM | 0.28 | 233 | 452 | 8 |
| 7/20/2012 8:17:15 AM | 0.29 | 234 | 457 | 8 |
| 7/20/2012 8:18:15 AM | 0.29 | 233 | 458 | 8 |
| 7/20/2012 8:19:15 AM | 0.29 | 232 | 458 | 9 |
| 7/20/2012 8:20:15 AM | 0.28 | 231 | 459 | 9 |
| 7/20/2012 8:21:15 AM | 0.28 | 231 | 459 | 9 |
| 7/20/2012 8:22:15 AM | 0.28 | 232 | 460 | 9 |
| 7/20/2012 8:23:15 AM | 0.29 | 233 | 460 | 9 |
| 7/20/2012 8:24:15 AM | 0.28 | 233 | 461 | 9 |
| 7/20/2012 8:25:15 AM | 0.28 | 233 | 459 | 9 |
| 7/20/2012 8:26:15 AM | 0.29 | 233 | 461 | 9 |
| 7/20/2012 8:27:15 AM | 0.28 | 233 | 463 | 9 |
| 7/20/2012 8:28:15 AM | 0.28 | 233 | 462 | 9 |
| 7/20/2012 8:29:15 AM | 0.28 | 234 | 462 | 9 |
| 7/20/2012 8:30:15 AM | 0.29 | 234 | 462 | 9 |
| 7/20/2012 8:31:15 AM | 0.29 | 235 | 462 | 9 |
| 7/20/2012 8:32:15 AM | 0.28 | 234 | 462 | 9 |
| 7/20/2012 8:33:15 AM | 0.28 | 233 | 464 | 9 |
| 7/20/2012 8:34:15 AM | 0.28 | 233 | 464 | 9 |
| 7/20/2012 8:35:15 AM | 0.28 | 233 | 465 | 9 |
| 7/20/2012 8:36:15 AM | 0.29 | 233 | 466 | 9 |
| 7/20/2012 8:37:15 AM | 0.28 | 233 | 468 | 9 |
| 7/20/2012 8:38:15 AM | 0.29 | 234 | 471 | 9 |
| 7/20/2012 8:39:15 AM | 0.29 | 234 | 472 | 9 |
| 7/20/2012 8:40:15 AM | 0.28 | 234 | 470 | 9 |
| 7/20/2012 8:41:15 AM | 0.29 | 234 | 471 | 9 |
| 7/20/2012 8:42:15 AM | 0.29 | 232 | 472 | 9 |
| 7/20/2012 8:43:15 AM | 0.29 | 231 | 470 | 9 |
| 7/20/2012 8:44:15 AM | 0.28 | 230 | 467 | 9 |
| 7/20/2012 8:45:15 AM | 0.29 | 229 | 464 | 9 |
| 7/20/2012 8:46:15 AM | 0.29 | 228 | 463 | 9 |
| 7/20/2012 8:47:15 AM | 0.29 | 228 | 462 | 9 |
| 7/20/2012 8:48:15 AM | 0.29 | 229 | 463 | 9 |
| 7/20/2012 8:49:15 AM | 0.29 | 228 | 464 | 9 |
| 7/20/2012 8:50:15 AM | 0.29 | 228 | 465 | 9 |
| 7/20/2012 8:51:15 AM | 0.29 | 227 | 465 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 8:52:15 AM | 0.29 | 228 | 465 | 9 |
| 7/20/2012 8:53:15 AM | 0.29 | 227 | 467 | 9 |
| 7/20/2012 8:54:15 AM | 0.29 | 226 | 467 | 9 |
| 7/20/2012 8:55:15 AM | 0.29 | 226 | 466 | 9 |
| 7/20/2012 8:56:15 AM | 0.30 | 225 | 467 | 9 |
| 7/20/2012 8:57:15 AM | 0.29 | 225 | 470 | 9 |
| 7/20/2012 8:58:15 AM | 0.30 | 226 | 473 | 9 |
| 7/20/2012 8:59:15 AM | 0.30 | 225 | 473 | 9 |
| 7/20/2012 9:00:15 AM | 0.30 | 224 | 473 | 9 |
| 7/20/2012 9:01:15 AM | 0.30 | 225 | 475 | 9 |
| 7/20/2012 9:02:15 AM | 0.30 | 225 | 476 | 9 |
| 7/20/2012 9:03:15 AM | 0.30 | 225 | 476 | 9 |
| 7/20/2012 9:04:15 AM | 0.30 | 225 | 478 | 10 |
| 7/20/2012 9:05:15 AM | 0.30 | 224 | 477 | 10 |
| 7/20/2012 9:06:15 AM | 0.30 | 223 | 477 | 10 |
| 7/20/2012 9:07:15 AM | 0.30 | 224 | 477 | 10 |
| 7/20/2012 9:08:15 AM | 0.30 | 225 | 479 | 9 |
| 7/20/2012 9:09:15 AM | 0.30 | 225 | 482 | 9 |
| 7/20/2012 9:10:15 AM | 0.30 | 225 | 480 | 9 |
| 7/20/2012 9:11:15 AM | 0.30 | 224 | 478 | 9 |
| 7/20/2012 9:12:15 AM | 0.30 | 225 | 479 | 9 |
| 7/20/2012 9:13:15 AM | 0.30 | 224 | 477 | 10 |
| 7/20/2012 9:14:15 AM | 0.30 | 224 | 478 | 10 |
| 7/20/2012 9:15:15 AM | 0.30 | 224 | 477 | 10 |
| 7/20/2012 9:16:15 AM | 0.30 | 224 | 477 | 10 |
| 7/20/2012 9:17:15 AM | 0.30 | 224 | 478 | 10 |
| 7/20/2012 9:18:15 AM | 0.30 | 224 | 477 | 10 |
| 7/20/2012 9:19:15 AM | 0.31 | 223 | 477 | 10 |
| 7/20/2012 9:20:15 AM | 0.30 | 223 | 477 | 10 |
| 7/20/2012 9:21:15 AM | 0.30 | 223 | 474 | 10 |
| 7/20/2012 9:22:15 AM | 0.30 | 225 | 474 | 11 |
| 7/20/2012 9:23:15 AM | 0.30 | 226 | 476 | 11 |
| 7/20/2012 9:24:15 AM | 0.30 | 225 | 473 | 11 |
| 7/20/2012 9:25:15 AM | 0.30 | 226 | 476 | 11 |
| 7/20/2012 9:26:15 AM | 0.30 | 227 | 480 | 10 |
| 7/20/2012 9:27:15 AM | 0.30 | 227 | 480 | 10 |
| 7/20/2012 9:28:15 AM | 0.30 | 226 | 479 | 10 |
| 7/20/2012 9:29:15 AM | 0.30 | 226 | 478 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 9:30:15 AM | 0.30 | 226 | 477 | 10 |
| 7/20/2012 9:31:15 AM | 0.30 | 226 | 478 | 10 |
| 7/20/2012 9:32:15 AM | 0.30 | 225 | 476 | 10 |
| 7/20/2012 9:33:15 AM | 0.30 | 226 | 478 | 10 |
| 7/20/2012 9:34:15 AM | 0.29 | 227 | 477 | 10 |
| 7/20/2012 9:35:15 AM | 0.30 | 227 | 477 | 10 |
| 7/20/2012 9:36:15 AM | 0.30 | 225 | 476 | 10 |
| 7/20/2012 9:37:15 AM | 0.30 | 225 | 476 | 10 |
| 7/20/2012 9:38:15 AM | 0.30 | 226 | 475 | 10 |
| 7/20/2012 9:39:15 AM | 0.29 | 227 | 473 | 10 |
| 7/20/2012 9:40:15 AM | 0.29 | 228 | 477 | 11 |
| 7/20/2012 9:41:15 AM | 0.30 | 229 | 479 | 11 |
| 7/20/2012 9:42:15 AM | 0.30 | 227 | 480 | 11 |
| 7/20/2012 9:43:15 AM | 0.29 | 227 | 480 | 11 |
| 7/20/2012 9:44:15 AM | 0.30 | 228 | 477 | 11 |
| 7/20/2012 9:45:15 AM | 0.29 | 228 | 463 | 11 |
| 7/20/2012 9:46:15 AM | 0.29 | 228 | 465 | 11 |
| 7/20/2012 9:47:15 AM | 0.29 | 227 | 462 | 11 |
| 7/20/2012 9:48:15 AM | 0.29 | 227 | 461 | 11 |
| 7/20/2012 9:49:15 AM | 0.29 | 227 | 462 | 11 |
| 7/20/2012 9:50:15 AM | 0.29 | 227 | 461 | 11 |
| 7/20/2012 9:51:15 AM | 0.30 | 227 | 461 | 11 |
| 7/20/2012 9:52:15 AM | 0.30 | 226 | 457 | 11 |
| 7/20/2012 9:53:15 AM | 0.29 | 226 | 456 | 11 |
| 7/20/2012 9:54:15 AM | 0.29 | 226 | 455 | 11 |
| 7/20/2012 9:55:15 AM | 0.29 | 226 | 453 | 11 |
| 7/20/2012 9:56:15 AM | 0.29 | 226 | 453 | 11 |
| 7/20/2012 9:57:15 AM | 0.29 | 227 | 453 | 11 |
| 7/20/2012 9:58:15 AM | 0.29 | 227 | 453 | 11 |
| 7/20/2012 9:59:15 AM | 0.29 | 227 | 453 | 11 |
| 7/20/2012 10:00:15 AM | 0.30 | 227 | 452 | 11 |
| 7/20/2012 10:01:15 AM | 0.29 | 227 | 451 | 11 |
| 7/20/2012 10:02:15 AM | 0.29 | 227 | 450 | 11 |
| 7/20/2012 10:03:15 AM | 0.29 | 228 | 451 | 11 |
| 7/20/2012 10:04:15 AM | 0.29 | 229 | 454 | 11 |
| 7/20/2012 10:05:15 AM | 0.29 | 229 | 453 | 11 |
| 7/20/2012 10:06:15 AM | 0.29 | 229 | 452 | 11 |
| 7/20/2012 10:07:15 AM | 0.29 | 228 | 454 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 10:08:15 AM | 0.29 | 229 | 453 | 11 |
| 7/20/2012 10:09:15 AM | 0.29 | 229 | 451 | 11 |
| 7/20/2012 10:10:15 AM | 0.29 | 228 | 452 | 11 |
| 7/20/2012 10:11:15 AM | 0.29 | 228 | 450 | 11 |
| 7/20/2012 10:12:15 AM | 0.29 | 228 | 446 | 11 |
| 7/20/2012 10:13:15 AM | 0.29 | 228 | 448 | 11 |
| 7/20/2012 10:14:15 AM | 0.29 | 228 | 448 | 11 |
| 7/20/2012 10:15:15 AM | 0.29 | 228 | 444 | 11 |
| 7/20/2012 10:16:15 AM | 0.29 | 228 | 443 | 11 |
| 7/20/2012 10:17:15 AM | 0.29 | 227 | 442 | 11 |
| 7/20/2012 10:18:15 AM | 0.29 | 227 | 442 | 11 |
| 7/20/2012 10:19:15 AM | 0.29 | 228 | 443 | 11 |
| 7/20/2012 10:20:15 AM | 0.29 | 230 | 445 | 11 |
| 7/20/2012 10:21:15 AM | 0.29 | 230 | 443 | 11 |
| 7/20/2012 10:22:15 AM | 0.29 | 230 | 446 | 11 |
| 7/20/2012 10:23:15 AM | 0.29 | 230 | 447 | 11 |
| 7/20/2012 10:24:15 AM | 0.29 | 231 | 451 | 11 |
| 7/20/2012 10:25:15 AM | 0.29 | 231 | 456 | 11 |
| 7/20/2012 10:26:15 AM | 0.29 | 232 | 456 | 10 |
| 7/20/2012 10:27:15 AM | 0.28 | 232 | 454 | 10 |
| 7/20/2012 10:28:15 AM | 0.29 | 232 | 458 | 10 |
| 7/20/2012 10:29:15 AM | 0.28 | 231 | 453 | 10 |
| 7/20/2012 10:30:15 AM | 0.29 | 232 | 451 | 10 |
| 7/20/2012 10:31:15 AM | 0.29 | 232 | 452 | 11 |
| 7/20/2012 10:32:15 AM | 0.28 | 232 | 452 | 11 |
| 7/20/2012 10:33:15 AM | 0.29 | 231 | 451 | 11 |
| 7/20/2012 10:34:15 AM | 0.28 | 231 | 452 | 11 |
| 7/20/2012 10:35:15 AM | 0.28 | 231 | 456 | 11 |
| 7/20/2012 10:36:15 AM | 0.28 | 232 | 459 | 11 |
| 7/20/2012 10:37:15 AM | 0.28 | 232 | 461 | 11 |
| 7/20/2012 10:38:15 AM | 0.28 | 232 | 460 | 10 |
| 7/20/2012 10:39:15 AM | 0.29 | 232 | 462 | 10 |
| 7/20/2012 10:40:15 AM | 0.28 | 232 | 461 | 11 |
| 7/20/2012 10:41:15 AM | 0.28 | 232 | 465 | 11 |
| 7/20/2012 10:42:15 AM | 0.28 | 234 | 464 | 11 |
| 7/20/2012 10:43:15 AM | 0.28 | 234 | 464 | 11 |
| 7/20/2012 10:44:15 AM | 0.28 | 235 | 466 | 11 |
| 7/20/2012 10:45:15 AM | 0.29 | 235 | 466 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 10:46:15 AM | 0.28 | 235 | 467 | 10 |
| 7/20/2012 10:47:15 AM | 0.28 | 234 | 466 | 10 |
| 7/20/2012 10:48:15 AM | 0.28 | 234 | 463 | 10 |
| 7/20/2012 10:49:15 AM | 0.28 | 235 | 464 | 10 |
| 7/20/2012 10:50:15 AM | 0.28 | 234 | 459 | 10 |
| 7/20/2012 10:51:15 AM | 0.28 | 234 | 459 | 10 |
| 7/20/2012 10:52:15 AM | 0.29 | 233 | 458 | 10 |
| 7/20/2012 10:53:15 AM | 0.29 | 233 | 457 | 10 |
| 7/20/2012 10:54:15 AM | 0.29 | 232 | 457 | 10 |
| 7/20/2012 10:55:15 AM | 0.29 | 232 | 453 | 10 |
| 7/20/2012 10:56:15 AM | 0.29 | 231 | 454 | 10 |
| 7/20/2012 10:57:15 AM | 0.29 | 231 | 453 | 10 |
| 7/20/2012 10:58:15 AM | 0.29 | 230 | 451 | 11 |
| 7/20/2012 10:59:15 AM | 0.29 | 230 | 451 | 11 |
| 7/20/2012 11:00:15 AM | 0.28 | 230 | 451 | 11 |
| 7/20/2012 11:01:15 AM | 0.28 | 231 | 451 | 11 |
| 7/20/2012 11:02:15 AM | 0.29 | 231 | 453 | 10 |
| 7/20/2012 11:03:15 AM | 0.29 | 231 | 452 | 10 |
| 7/20/2012 11:04:15 AM | 0.29 | 230 | 453 | 10 |
| 7/20/2012 11:05:15 AM | 0.29 | 229 | 452 | 10 |
| 7/20/2012 11:06:15 AM | 0.29 | 230 | 452 | 10 |
| 7/20/2012 11:07:15 AM | 0.28 | 231 | 453 | 10 |
| 7/20/2012 11:08:15 AM | 0.29 | 231 | 452 | 10 |
| 7/20/2012 11:09:15 AM | 0.29 | 230 | 452 | 10 |
| 7/20/2012 11:10:15 AM | 0.29 | 231 | 452 | 10 |
| 7/20/2012 11:11:15 AM | 0.28 | 231 | 452 | 10 |
| 7/20/2012 11:12:15 AM | 0.28 | 232 | 454 | 10 |
| 7/20/2012 11:13:15 AM | 0.28 | 232 | 454 | 10 |
| 7/20/2012 11:14:15 AM | 0.28 | 231 | 452 | 10 |
| 7/20/2012 11:15:15 AM | 0.29 | 232 | 452 | 10 |
| 7/20/2012 11:16:15 AM | 0.29 | 231 | 451 | 10 |
| 7/20/2012 11:17:15 AM | 0.29 | 231 | 452 | 10 |
| 7/20/2012 11:18:15 AM | 0.29 | 229 | 452 | 10 |
| 7/20/2012 11:19:15 AM | 0.29 | 228 | 449 | 10 |
| 7/20/2012 11:20:15 AM | 0.29 | 227 | 448 | 10 |
| 7/20/2012 11:21:15 AM | 0.29 | 228 | 449 | 10 |
| 7/20/2012 11:22:15 AM | 0.29 | 229 | 450 | 10 |
| 7/20/2012 11:23:15 AM | 0.29 | 229 | 451 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 11:24:15 AM | 0.28 | 229 | 452 | 10 |
| 7/20/2012 11:25:15 AM | 0.29 | 230 | 453 | 10 |
| 7/20/2012 11:26:15 AM | 0.28 | 230 | 454 | 10 |
| 7/20/2012 11:27:15 AM | 0.29 | 231 | 455 | 10 |
| 7/20/2012 11:28:15 AM | 0.29 | 230 | 452 | 10 |
| 7/20/2012 11:29:15 AM | 0.29 | 230 | 452 | 10 |
| 7/20/2012 11:30:15 AM | 0.29 | 230 | 452 | 10 |
| 7/20/2012 11:31:15 AM | 0.29 | 229 | 452 | 10 |
| 7/20/2012 11:32:15 AM | 0.29 | 229 | 453 | 9 |
| 7/20/2012 11:33:15 AM | 0.29 | 229 | 452 | 9 |
| 7/20/2012 11:34:15 AM | 0.30 | 228 | 449 | 10 |
| 7/20/2012 11:35:15 AM | 0.30 | 227 | 446 | 10 |
| 7/20/2012 11:36:15 AM | 0.29 | 228 | 443 | 10 |
| 7/20/2012 11:37:15 AM | 0.29 | 229 | 446 | 10 |
| 7/20/2012 11:38:15 AM | 0.29 | 229 | 448 | 9 |
| 7/20/2012 11:39:15 AM | 0.29 | 229 | 448 | 9 |
| 7/20/2012 11:40:15 AM | 0.29 | 229 | 449 | 10 |
| 7/20/2012 11:41:15 AM | 0.29 | 228 | 449 | 10 |
| 7/20/2012 11:42:15 AM | 0.29 | 228 | 448 | 10 |
| 7/20/2012 11:43:15 AM | 0.29 | 228 | 448 | 10 |
| 7/20/2012 11:44:15 AM | 0.29 | 228 | 447 | 9 |
| 7/20/2012 11:45:15 AM | 0.28 | 229 | 447 | 9 |
| 7/20/2012 11:46:15 AM | 0.29 | 229 | 449 | 10 |
| 7/20/2012 11:47:15 AM | 0.29 | 230 | 451 | 10 |
| 7/20/2012 11:48:15 AM | 0.28 | 230 | 451 | 10 |
| 7/20/2012 11:49:15 AM | 0.29 | 228 | 451 | 10 |
| 7/20/2012 11:50:15 AM | 0.29 | 227 | 447 | 10 |
| 7/20/2012 11:51:15 AM | 0.29 | 226 | 446 | 10 |
| 7/20/2012 11:52:15 AM | 0.29 | 225 | 442 | 10 |
| 7/20/2012 11:53:15 AM | 0.29 | 224 | 442 | 9 |
| 7/20/2012 11:54:15 AM | 0.29 | 225 | 441 | 9 |
| 7/20/2012 11:55:15 AM | 0.29 | 226 | 442 | 10 |
| 7/20/2012 11:56:15 AM | 0.29 | 226 | 442 | 10 |
| 7/20/2012 11:57:15 AM | 0.29 | 227 | 444 | 10 |
| 7/20/2012 11:58:15 AM | 0.28 | 227 | 446 | 10 |
| 7/20/2012 11:59:15 AM | 0.29 | 227 | 442 | 10 |
| 7/20/2012 12:00:15 PM | 0.29 | 227 | 442 | 10 |
| 7/20/2012 12:01:15 PM | 0.29 | 227 | 444 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 12:02:15 PM | 0.29 | 226 | 442 | 9 |
| 7/20/2012 12:03:15 PM | 0.29 | 225 | 438 | 9 |
| 7/20/2012 12:04:15 PM | 0.28 | 225 | 437 | 10 |
| 7/20/2012 12:05:15 PM | 0.28 | 226 | 438 | 10 |
| 7/20/2012 12:06:15 PM | 0.29 | 226 | 441 | 10 |
| 7/20/2012 12:07:15 PM | 0.29 | 226 | 441 | 10 |
| 7/20/2012 12:08:15 PM | 0.28 | 226 | 437 | 10 |
| 7/20/2012 12:09:15 PM | 0.29 | 226 | 438 | 10 |
| 7/20/2012 12:10:15 PM | 0.29 | 226 | 441 | 10 |
| 7/20/2012 12:11:15 PM | 0.29 | 225 | 438 | 10 |
| 7/20/2012 12:12:15 PM | 0.29 | 225 | 437 | 10 |
| 7/20/2012 12:13:15 PM | 0.29 | 225 | 437 | 10 |
| 7/20/2012 12:14:15 PM | 0.29 | 226 | 437 | 10 |
| 7/20/2012 12:15:15 PM | 0.29 | 226 | 438 | 10 |
| 7/20/2012 12:16:15 PM | 0.29 | 226 | 437 | 10 |
| 7/20/2012 12:17:15 PM | 0.28 | 225 | 436 | 9 |
| 7/20/2012 12:18:15 PM | 0.28 | 224 | 436 | 9 |
| 7/20/2012 12:19:15 PM | 0.28 | 225 | 435 | 9 |
| 7/20/2012 12:20:15 PM | 0.29 | 225 | 436 | 9 |
| 7/20/2012 12:21:15 PM | 0.29 | 225 | 435 | 9 |
| 7/20/2012 12:22:15 PM | 0.29 | 225 | 437 | 9 |
| 7/20/2012 12:23:15 PM | 0.29 | 227 | 442 | 9 |
| 7/20/2012 12:24:15 PM | 0.28 | 227 | 442 | 9 |
| 7/20/2012 12:25:15 PM | 0.28 | 228 | 442 | 9 |
| 7/20/2012 12:26:15 PM | 0.28 | 227 | 442 | 9 |
| 7/20/2012 12:27:15 PM | 0.29 | 226 | 442 | 9 |
| 7/20/2012 12:28:15 PM | 0.29 | 226 | 441 | 9 |
| 7/20/2012 12:29:15 PM | 0.29 | 225 | 437 | 9 |
| 7/20/2012 12:30:15 PM | 0.28 | 226 | 437 | 9 |
| 7/20/2012 12:31:15 PM | 0.29 | 227 | 441 | 9 |
| 7/20/2012 12:32:15 PM | 0.29 | 226 | 440 | 9 |
| 7/20/2012 12:33:15 PM | 0.29 | 226 | 438 | 9 |
| 7/20/2012 12:34:15 PM | 0.28 | 227 | 436 | 9 |
| 7/20/2012 12:35:15 PM | 0.28 | 226 | 436 | 9 |
| 7/20/2012 12:36:15 PM | 0.28 | 226 | 433 | 9 |
| 7/20/2012 12:37:15 PM | 0.29 | 226 | 433 | 10 |
| 7/20/2012 12:38:15 PM | 0.29 | 226 | 435 | 10 |
| 7/20/2012 12:39:15 PM | 0.29 | 226 | 437 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 12:40:15 PM | 0.29 | 226 | 437 | 10 |
| 7/20/2012 12:41:15 PM | 0.29 | 226 | 438 | 10 |
| 7/20/2012 12:42:15 PM | 0.29 | 226 | 438 | 10 |
| 7/20/2012 12:43:15 PM | 0.28 | 226 | 438 | 10 |
| 7/20/2012 12:44:15 PM | 0.29 | 226 | 437 | 9 |
| 7/20/2012 12:45:15 PM | 0.29 | 226 | 437 | 9 |
| 7/20/2012 12:46:15 PM | 0.29 | 227 | 437 | 9 |
| 7/20/2012 12:47:15 PM | 0.29 | 227 | 435 | 9 |
| 7/20/2012 12:48:15 PM | 0.29 | 227 | 436 | 9 |
| 7/20/2012 12:49:15 PM | 0.29 | 228 | 437 | 9 |
| 7/20/2012 12:50:15 PM | 0.29 | 229 | 440 | 9 |
| 7/20/2012 12:51:15 PM | 0.28 | 229 | 441 | 9 |
| 7/20/2012 12:52:15 PM | 0.28 | 228 | 443 | 9 |
| 7/20/2012 12:53:15 PM | 0.28 | 227 | 440 | 9 |
| 7/20/2012 12:54:15 PM | 0.29 | 229 | 441 | 9 |
| 7/20/2012 12:55:15 PM | 0.29 | 230 | 442 | 9 |
| 7/20/2012 12:56:15 PM | 0.29 | 230 | 444 | 9 |
| 7/20/2012 12:57:15 PM | 0.29 | 230 | 444 | 9 |
| 7/20/2012 12:58:15 PM | 0.29 | 228 | 442 | 9 |
| 7/20/2012 12:59:15 PM | 0.29 | 229 | 443 | 9 |
| 7/20/2012 1:00:15 PM | 0.28 | 230 | 443 | 9 |
| 7/20/2012 1:01:15 PM | 0.28 | 230 | 445 | 9 |
| 7/20/2012 1:02:15 PM | 0.28 | 230 | 447 | 9 |
| 7/20/2012 1:03:15 PM | 0.28 | 231 | 447 | 9 |
| 7/20/2012 1:04:15 PM | 0.28 | 232 | 446 | 9 |
| 7/20/2012 1:05:15 PM | 0.28 | 232 | 446 | 9 |
| 7/20/2012 1:06:15 PM | 0.28 | 232 | 444 | 9 |
| 7/20/2012 1:07:15 PM | 0.28 | 231 | 442 | 9 |
| 7/20/2012 1:08:15 PM | 0.28 | 232 | 442 | 9 |
| 7/20/2012 1:09:15 PM | 0.28 | 232 | 443 | 9 |
| 7/20/2012 1:10:15 PM | 0.28 | 232 | 444 | 9 |
| 7/20/2012 1:11:15 PM | 0.28 | 232 | 448 | 9 |
| 7/20/2012 1:12:15 PM | 0.28 | 232 | 447 | 9 |
| 7/20/2012 1:13:15 PM | 0.29 | 231 | 447 | 9 |
| 7/20/2012 1:14:15 PM | 0.28 | 231 | 446 | 9 |
| 7/20/2012 1:15:15 PM | 0.28 | 230 | 443 | 9 |
| 7/20/2012 1:16:15 PM | 0.28 | 230 | 442 | 9 |
| 7/20/2012 1:17:15 PM | 0.28 | 230 | 443 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 1:18:15 PM | 0.28 | 230 | 441 | 9 |
| 7/20/2012 1:19:15 PM | 0.28 | 230 | 438 | 9 |
| 7/20/2012 1:20:15 PM | 0.28 | 229 | 435 | 9 |
| 7/20/2012 1:21:15 PM | 0.28 | 229 | 432 | 9 |
| 7/20/2012 1:22:15 PM | 0.28 | 229 | 434 | 9 |
| 7/20/2012 1:23:15 PM | 0.28 | 228 | 435 | 9 |
| 7/20/2012 1:24:15 PM | 0.28 | 228 | 434 | 9 |
| 7/20/2012 1:25:15 PM | 0.28 | 229 | 433 | 9 |
| 7/20/2012 1:26:15 PM | 0.28 | 231 | 434 | 9 |
| 7/20/2012 1:27:15 PM | 0.28 | 230 | 435 | 9 |
| 7/20/2012 1:28:15 PM | 0.28 | 229 | 431 | 9 |
| 7/20/2012 1:29:15 PM | 0.28 | 229 | 429 | 9 |
| 7/20/2012 1:30:15 PM | 0.28 | 229 | 431 | 9 |
| 7/20/2012 1:31:15 PM | 0.28 | 228 | 428 | 9 |
| 7/20/2012 1:32:15 PM | 0.28 | 229 | 427 | 9 |
| 7/20/2012 1:33:15 PM | 0.28 | 229 | 427 | 9 |
| 7/20/2012 1:34:15 PM | 0.28 | 231 | 428 | 9 |
| 7/20/2012 1:35:15 PM | 0.28 | 232 | 432 | 9 |
| 7/20/2012 1:36:15 PM | 0.28 | 233 | 432 | 9 |
| 7/20/2012 1:37:15 PM | 0.28 | 233 | 433 | 9 |
| 7/20/2012 1:38:15 PM | 0.28 | 233 | 432 | 9 |
| 7/20/2012 1:39:15 PM | 0.28 | 233 | 431 | 9 |
| 7/20/2012 1:40:15 PM | 0.28 | 233 | 432 | 9 |
| 7/20/2012 1:41:15 PM | 0.28 | 232 | 430 | 9 |
| 7/20/2012 1:42:15 PM | 0.28 | 233 | 432 | 9 |
| 7/20/2012 1:43:15 PM | 0.28 | 233 | 433 | 9 |
| 7/20/2012 1:44:15 PM | 0.28 | 233 | 433 | 9 |
| 7/20/2012 1:45:15 PM | 0.28 | 233 | 431 | 9 |
| 7/20/2012 1:46:15 PM | 0.28 | 232 | 434 | 9 |
| 7/20/2012 1:47:15 PM | 0.28 | 231 | 433 | 9 |
| 7/20/2012 1:48:15 PM | 0.28 | 231 | 426 | 9 |
| 7/20/2012 1:49:15 PM | 0.28 | 232 | 427 | 9 |
| 7/20/2012 1:50:15 PM | 0.28 | 234 | 429 | 9 |
| 7/20/2012 1:51:15 PM | 0.28 | 234 | 432 | 9 |
| 7/20/2012 1:52:15 PM | 0.28 | 233 | 432 | 9 |
| 7/20/2012 1:53:15 PM | 0.28 | 234 | 432 | 9 |
| 7/20/2012 1:54:15 PM | 0.28 | 235 | 432 | 9 |
| 7/20/2012 1:55:15 PM | 0.28 | 236 | 433 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 1:56:15 PM | 0.28 | 236 | 435 | 9 |
| 7/20/2012 1:57:15 PM | 0.28 | 234 | 432 | 9 |
| 7/20/2012 1:58:15 PM | 0.28 | 234 | 432 | 9 |
| 7/20/2012 1:59:15 PM | 0.28 | 234 | 436 | 9 |
| 7/20/2012 2:00:15 PM | 0.28 | 234 | 433 | 9 |
| 7/20/2012 2:01:15 PM | 0.28 | 234 | 435 | 9 |
| 7/20/2012 2:02:15 PM | 0.28 | 235 | 437 | 9 |
| 7/20/2012 2:03:15 PM | 0.28 | 236 | 439 | 9 |
| 7/20/2012 2:04:15 PM | 0.28 | 238 | 441 | 9 |
| 7/20/2012 2:05:15 PM | 0.28 | 238 | 442 | 9 |
| 7/20/2012 2:06:15 PM | 0.27 | 239 | 440 | 9 |
| 7/20/2012 2:07:15 PM | 0.27 | 240 | 438 | 9 |
| 7/20/2012 2:08:15 PM | 0.27 | 241 | 437 | 8 |
| 7/20/2012 2:09:15 PM | 0.28 | 241 | 438 | 8 |
| 7/20/2012 2:10:15 PM | 0.28 | 240 | 440 | 8 |
| 7/20/2012 2:11:15 PM | 0.28 | 238 | 439 | 8 |
| 7/20/2012 2:12:15 PM | 0.28 | 236 | 436 | 8 |
| 7/20/2012 2:13:15 PM | 0.28 | 235 | 434 | 8 |
| 7/20/2012 2:14:15 PM | 0.28 | 234 | 432 | 8 |
| 7/20/2012 2:15:15 PM | 0.28 | 232 | 428 | 8 |
| 7/20/2012 2:16:15 PM | 0.28 | 232 | 427 | 8 |
| 7/20/2012 2:17:15 PM | 0.28 | 231 | 426 | 8 |
| 7/20/2012 2:18:15 PM | 0.28 | 230 | 424 | 8 |
| 7/20/2012 2:19:15 PM | 0.28 | 230 | 423 | 9 |
| 7/20/2012 2:20:15 PM | 0.28 | 229 | 425 | 9 |
| 7/20/2012 2:21:15 PM | 0.28 | 228 | 426 | 9 |
| 7/20/2012 2:22:15 PM | 0.28 | 227 | 428 | 9 |
| 7/20/2012 2:23:15 PM | 0.28 | 227 | 428 | 9 |
| 7/20/2012 2:24:15 PM | 0.28 | 226 | 427 | 9 |
| 7/20/2012 2:25:15 PM | 0.28 | 226 | 428 | 9 |
| 7/20/2012 2:26:15 PM | 0.29 | 227 | 427 | 9 |
| 7/20/2012 2:27:15 PM | 0.28 | 228 | 427 | 9 |
| 7/20/2012 2:28:15 PM | 0.28 | 228 | 431 | 9 |
| 7/20/2012 2:29:15 PM | 0.28 | 227 | 431 | 8 |
| 7/20/2012 2:30:15 PM | 0.28 | 225 | 427 | 8 |
| 7/20/2012 2:31:15 PM | 0.28 | 226 | 425 | 8 |
| 7/20/2012 2:32:15 PM | 0.28 | 226 | 425 | 8 |
| 7/20/2012 2:33:15 PM | 0.28 | 227 | 425 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 2:34:15 PM | 0.29 | 228 | 427 | 8 |
| 7/20/2012 2:35:15 PM | 0.29 | 228 | 430 | 8 |
| 7/20/2012 2:36:15 PM | 0.28 | 225 | 429 | 8 |
| 7/20/2012 2:37:15 PM | 0.28 | 226 | 434 | 8 |
| 7/20/2012 2:38:15 PM | 0.28 | 226 | 435 | 8 |
| 7/20/2012 2:39:15 PM | 0.28 | 226 | 434 | 8 |
| 7/20/2012 2:40:15 PM | 0.28 | 228 | 436 | 8 |
| 7/20/2012 2:41:15 PM | 0.28 | 229 | 437 | 8 |
| 7/20/2012 2:42:15 PM | 0.28 | 230 | 440 | 8 |
| 7/20/2012 2:43:15 PM | 0.28 | 228 | 460 | 8 |
| 7/20/2012 2:44:15 PM | 0.29 | 226 | 451 | 8 |
| 7/20/2012 2:45:15 PM | 0.28 | 226 | 448 | 8 |
| 7/20/2012 2:46:15 PM | 0.28 | 226 | 447 | 8 |
| 7/20/2012 2:47:15 PM | 0.28 | 227 | 447 | 8 |
| 7/20/2012 2:48:15 PM | 0.28 | 225 | 447 | 8 |
| 7/20/2012 2:49:15 PM | 0.28 | 224 | 447 | 9 |
| 7/20/2012 2:50:15 PM | 0.28 | 224 | 447 | 9 |
| 7/20/2012 2:51:15 PM | 0.28 | 226 | 447 | 9 |
| 7/20/2012 2:52:15 PM | 0.28 | 226 | 450 | 9 |
| 7/20/2012 2:53:15 PM | 0.28 | 226 | 452 | 9 |
| 7/20/2012 2:54:15 PM | 0.28 | 225 | 463 | 9 |
| 7/20/2012 2:55:15 PM | Start Calibration | | | |
| 7/20/2012 2:56:15 PM | | | | |
| 7/20/2012 2:57:15 PM | | | | |
| 7/20/2012 2:58:15 PM | | | | |
| 7/20/2012 2:59:15 PM | | | | |
| 7/20/2012 3:00:15 PM | | | | |
| 7/20/2012 3:01:15 PM | | | | |
| 7/20/2012 3:02:15 PM | | | | |
| 7/20/2012 3:03:15 PM | | | | |
| 7/20/2012 3:04:15 PM | | | | |
| 7/20/2012 3:05:15 PM | | | | |
| 7/20/2012 3:06:15 PM | | | | |
| 7/20/2012 3:07:15 PM | | | | |
| 7/20/2012 3:08:15 PM | | | | |
| 7/20/2012 3:09:15 PM | | | | |
| 7/20/2012 3:10:15 PM | | | | |
| 7/20/2012 3:11:15 PM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 3:12:15 PM | | | | |
| 7/20/2012 3:13:15 PM | | | | |
| 7/20/2012 3:14:15 PM | | | | |
| 7/20/2012 3:15:15 PM | | | | |
| 7/20/2012 3:16:15 PM | | | | |
| 7/20/2012 3:17:15 PM | | | | |
| 7/20/2012 3:18:15 PM | | | | |
| 7/20/2012 3:19:15 PM | | | | |
| 7/20/2012 3:20:15 PM | | | | |
| 7/20/2012 3:21:15 PM | | | | |
| 7/20/2012 3:22:15 PM | | | | |
| 7/20/2012 3:23:15 PM | | | | |
| 7/20/2012 3:24:15 PM | | | | |
| 7/20/2012 3:25:15 PM | | | | |
| 7/20/2012 3:26:15 PM | | | | |
| 7/20/2012 3:27:15 PM | | | | |
| 7/20/2012 3:28:15 PM | | | | |
| 7/20/2012 3:29:15 PM | | | | |
| 7/20/2012 3:30:15 PM | | | | |
| 7/20/2012 3:31:15 PM | | | | |
| 7/20/2012 3:32:15 PM | | | | |
| 7/20/2012 3:33:15 PM | | | | |
| 7/20/2012 3:34:15 PM | | | | |
| 7/20/2012 3:35:15 PM | | | | |
| 7/20/2012 3:36:15 PM | | | | |
| 7/20/2012 3:37:15 PM | | | | |
| 7/20/2012 3:38:15 PM | | | | |
| 7/20/2012 3:39:15 PM | | | | |
| 7/20/2012 3:40:15 PM | | | | |
| 7/20/2012 3:41:15 PM | | | | |
| 7/20/2012 3:42:15 PM | | | | |
| 7/20/2012 3:43:15 PM | End Calibration | | | |
| 7/20/2012 3:44:15 PM | 0.29 | 223 | 343 | 10 |
| 7/20/2012 3:45:15 PM | 0.29 | 223 | 353 | 10 |
| 7/20/2012 3:46:15 PM | 0.29 | 223 | 360 | 10 |
| 7/20/2012 3:47:15 PM | 0.29 | 222 | 367 | 10 |
| 7/20/2012 3:48:15 PM | 0.28 | 222 | 370 | 10 |
| 7/20/2012 3:49:15 PM | 0.28 | 222 | 373 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 3:50:15 PM | 0.28 | 222 | 378 | 10 |
| 7/20/2012 3:51:15 PM | 0.28 | 223 | 384 | 10 |
| 7/20/2012 3:52:15 PM | 0.29 | 225 | 389 | 10 |
| 7/20/2012 3:53:15 PM | 0.29 | 225 | 394 | 10 |
| 7/20/2012 3:54:15 PM | 0.28 | 224 | 397 | 10 |
| 7/20/2012 3:55:15 PM | 0.28 | 225 | 397 | 10 |
| 7/20/2012 3:56:15 PM | 0.28 | 225 | 399 | 10 |
| 7/20/2012 3:57:15 PM | 0.28 | 223 | 402 | 10 |
| 7/20/2012 3:58:15 PM | 0.29 | 224 | 403 | 11 |
| 7/20/2012 3:59:15 PM | 0.28 | 224 | 404 | 11 |
| 7/20/2012 4:00:15 PM | 0.29 | 224 | 402 | 11 |
| 7/20/2012 4:01:15 PM | 0.29 | 222 | 403 | 10 |
| 7/20/2012 4:02:15 PM | 0.29 | 223 | 405 | 10 |
| 7/20/2012 4:03:15 PM | 0.29 | 224 | 405 | 10 |
| 7/20/2012 4:04:15 PM | 0.29 | 223 | 403 | 10 |
| 7/20/2012 4:05:15 PM | 0.29 | 222 | 402 | 10 |
| 7/20/2012 4:06:15 PM | 0.29 | 221 | 401 | 10 |
| 7/20/2012 4:07:15 PM | 0.29 | 222 | 402 | 10 |
| 7/20/2012 4:08:15 PM | 0.29 | 221 | 404 | 10 |
| 7/20/2012 4:09:15 PM | 0.28 | 220 | 405 | 10 |
| 7/20/2012 4:10:15 PM | 0.29 | 220 | 403 | 10 |
| 7/20/2012 4:11:15 PM | 0.29 | 220 | 403 | 10 |
| 7/20/2012 4:12:15 PM | 0.29 | 220 | 402 | 10 |
| 7/20/2012 4:13:15 PM | 0.29 | 220 | 405 | 11 |
| 7/20/2012 4:14:15 PM | 0.29 | 219 | 405 | 11 |
| 7/20/2012 4:15:15 PM | 0.29 | 220 | 407 | 11 |
| 7/20/2012 4:16:15 PM | 0.29 | 220 | 407 | 11 |
| 7/20/2012 4:17:15 PM | 0.29 | 221 | 408 | 11 |
| 7/20/2012 4:18:15 PM | 0.29 | 221 | 408 | 11 |
| 7/20/2012 4:19:15 PM | 0.29 | 221 | 411 | 11 |
| 7/20/2012 4:20:15 PM | 0.28 | 222 | 410 | 10 |
| 7/20/2012 4:21:15 PM | 0.28 | 223 | 412 | 10 |
| 7/20/2012 4:22:15 PM | 0.29 | 223 | 413 | 11 |
| 7/20/2012 4:23:15 PM | 0.28 | 223 | 415 | 11 |
| 7/20/2012 4:24:15 PM | 0.28 | 223 | 416 | 11 |
| 7/20/2012 4:25:15 PM | 0.29 | 224 | 416 | 11 |
| 7/20/2012 4:26:15 PM | 0.28 | 225 | 416 | 10 |
| 7/20/2012 4:27:15 PM | 0.29 | 224 | 417 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 4:28:15 PM | 0.28 | 225 | 418 | 10 |
| 7/20/2012 4:29:15 PM | 0.28 | 227 | 418 | 10 |
| 7/20/2012 4:30:15 PM | 0.29 | 226 | 420 | 10 |
| 7/20/2012 4:31:15 PM | 0.29 | 225 | 418 | 11 |
| 7/20/2012 4:32:15 PM | 0.29 | 224 | 417 | 11 |
| 7/20/2012 4:33:15 PM | 0.28 | 224 | 416 | 11 |
| 7/20/2012 4:34:15 PM | 0.28 | 224 | 415 | 11 |
| 7/20/2012 4:35:15 PM | 0.28 | 224 | 417 | 10 |
| 7/20/2012 4:36:15 PM | 0.29 | 224 | 418 | 10 |
| 7/20/2012 4:37:15 PM | 0.29 | 223 | 417 | 11 |
| 7/20/2012 4:38:15 PM | 0.29 | 224 | 418 | 11 |
| 7/20/2012 4:39:15 PM | 0.29 | 224 | 417 | 11 |
| 7/20/2012 4:40:15 PM | 0.28 | 224 | 420 | 11 |
| 7/20/2012 4:41:15 PM | 0.28 | 224 | 421 | 11 |
| 7/20/2012 4:42:15 PM | 0.29 | 223 | 419 | 11 |
| 7/20/2012 4:43:15 PM | 0.28 | 223 | 418 | 11 |
| 7/20/2012 4:44:15 PM | 0.29 | 223 | 418 | 10 |
| 7/20/2012 4:45:15 PM | 0.29 | 222 | 417 | 10 |
| 7/20/2012 4:46:15 PM | 0.28 | 220 | 415 | 10 |
| 7/20/2012 4:47:15 PM | 0.29 | 220 | 415 | 10 |
| 7/20/2012 4:48:15 PM | 0.28 | 220 | 416 | 10 |
| 7/20/2012 4:49:15 PM | 0.28 | 220 | 416 | 11 |
| 7/20/2012 4:50:15 PM | 0.29 | 219 | 414 | 11 |
| 7/20/2012 4:51:15 PM | 0.29 | 218 | 414 | 11 |
| 7/20/2012 4:52:15 PM | 0.29 | 219 | 416 | 11 |
| 7/20/2012 4:53:15 PM | 0.29 | 219 | 415 | 11 |
| 7/20/2012 4:54:15 PM | 0.29 | 220 | 413 | 11 |
| 7/20/2012 4:55:15 PM | 0.29 | 220 | 413 | 11 |
| 7/20/2012 4:56:15 PM | 0.29 | 222 | 414 | 10 |
| 7/20/2012 4:57:15 PM | 0.29 | 223 | 416 | 10 |
| 7/20/2012 4:58:15 PM | 0.29 | 222 | 415 | 11 |
| 7/20/2012 4:59:15 PM | 0.29 | 221 | 412 | 11 |
| 7/20/2012 5:00:15 PM | 0.28 | 219 | 414 | 11 |
| 7/20/2012 5:01:15 PM | 0.29 | 220 | 416 | 11 |
| 7/20/2012 5:02:15 PM | 0.29 | 220 | 419 | 11 |
| 7/20/2012 5:03:15 PM | 0.29 | 219 | 418 | 11 |
| 7/20/2012 5:04:15 PM | 0.29 | 219 | 416 | 11 |
| 7/20/2012 5:05:15 PM | 0.29 | 219 | 421 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 5:06:15 PM | 0.28 | 219 | 421 | 11 |
| 7/20/2012 5:07:15 PM | 0.29 | 220 | 420 | 11 |
| 7/20/2012 5:08:15 PM | 0.29 | 220 | 422 | 10 |
| 7/20/2012 5:09:15 PM | 0.29 | 220 | 422 | 10 |
| 7/20/2012 5:10:15 PM | 0.28 | 221 | 421 | 10 |
| 7/20/2012 5:11:15 PM | 0.29 | 221 | 423 | 10 |
| 7/20/2012 5:12:15 PM | 0.29 | 221 | 424 | 10 |
| 7/20/2012 5:13:15 PM | 0.28 | 222 | 425 | 10 |
| 7/20/2012 5:14:15 PM | 0.29 | 222 | 426 | 10 |
| 7/20/2012 5:15:15 PM | 0.29 | 222 | 426 | 10 |
| 7/20/2012 5:16:15 PM | 0.28 | 221 | 427 | 10 |
| 7/20/2012 5:17:15 PM | 0.29 | 221 | 426 | 10 |
| 7/20/2012 5:18:15 PM | 0.29 | 222 | 426 | 10 |
| 7/20/2012 5:19:15 PM | 0.29 | 222 | 427 | 10 |
| 7/20/2012 5:20:15 PM | 0.28 | 222 | 427 | 10 |
| 7/20/2012 5:21:15 PM | 0.29 | 223 | 427 | 10 |
| 7/20/2012 5:22:15 PM | 0.28 | 222 | 427 | 11 |
| 7/20/2012 5:23:15 PM | 0.28 | 223 | 427 | 11 |
| 7/20/2012 5:24:15 PM | 0.28 | 225 | 428 | 11 |
| 7/20/2012 5:25:15 PM | 0.29 | 227 | 429 | 10 |
| 7/20/2012 5:26:15 PM | 0.28 | 226 | 427 | 10 |
| 7/20/2012 5:27:15 PM | 0.28 | 225 | 427 | 10 |
| 7/20/2012 5:28:15 PM | 0.28 | 224 | 427 | 11 |
| 7/20/2012 5:29:15 PM | 0.28 | 223 | 427 | 11 |
| 7/20/2012 5:30:15 PM | 0.28 | 222 | 426 | 11 |
| 7/20/2012 5:31:15 PM | 0.29 | 222 | 424 | 11 |
| 7/20/2012 5:32:15 PM | 0.28 | 221 | 423 | 10 |
| 7/20/2012 5:33:15 PM | 0.29 | 222 | 421 | 10 |
| 7/20/2012 5:34:15 PM | 0.29 | 221 | 421 | 10 |
| 7/20/2012 5:35:15 PM | 0.29 | 221 | 422 | 10 |
| 7/20/2012 5:36:15 PM | 0.29 | 220 | 422 | 10 |
| 7/20/2012 5:37:15 PM | 0.28 | 220 | 420 | 11 |
| 7/20/2012 5:38:15 PM | 0.28 | 219 | 419 | 11 |
| 7/20/2012 5:39:15 PM | 0.28 | 220 | 418 | 11 |
| 7/20/2012 5:40:15 PM | 0.28 | 219 | 421 | 11 |
| 7/20/2012 5:41:15 PM | 0.29 | 220 | 421 | 10 |
| 7/20/2012 5:42:15 PM | 0.29 | 219 | 420 | 10 |
| 7/20/2012 5:43:15 PM | 0.29 | 219 | 420 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 5:44:15 PM | 0.29 | 221 | 421 | 10 |
| 7/20/2012 5:45:15 PM | 0.29 | 220 | 423 | 10 |
| 7/20/2012 5:46:15 PM | 0.29 | 220 | 420 | 10 |
| 7/20/2012 5:47:15 PM | 0.29 | 220 | 422 | 10 |
| 7/20/2012 5:48:15 PM | 0.29 | 219 | 422 | 10 |
| 7/20/2012 5:49:15 PM | 0.29 | 219 | 423 | 10 |
| 7/20/2012 5:50:15 PM | 0.28 | 219 | 424 | 10 |
| 7/20/2012 5:51:15 PM | 0.28 | 221 | 423 | 10 |
| 7/20/2012 5:52:15 PM | 0.29 | 221 | 424 | 10 |
| 7/20/2012 5:53:15 PM | 0.29 | 220 | 424 | 10 |
| 7/20/2012 5:54:15 PM | 0.28 | 221 | 424 | 10 |
| 7/20/2012 5:55:15 PM | 0.29 | 220 | 423 | 11 |
| 7/20/2012 5:56:15 PM | 0.28 | 220 | 423 | 11 |
| 7/20/2012 5:57:15 PM | 0.29 | 220 | 423 | 11 |
| 7/20/2012 5:58:15 PM | 0.29 | 221 | 424 | 11 |
| 7/20/2012 5:59:15 PM | 0.29 | 221 | 422 | 11 |
| 7/20/2012 6:00:15 PM | 0.28 | 220 | 426 | 11 |
| 7/20/2012 6:01:15 PM | 0.29 | 221 | 426 | 11 |
| 7/20/2012 6:02:15 PM | 0.29 | 221 | 428 | 10 |
| 7/20/2012 6:03:15 PM | 0.29 | 221 | 430 | 10 |
| 7/20/2012 6:04:15 PM | 0.29 | 221 | 429 | 11 |
| 7/20/2012 6:05:15 PM | 0.29 | 219 | 430 | 11 |
| 7/20/2012 6:06:15 PM | 0.29 | 217 | 429 | 11 |
| 7/20/2012 6:07:15 PM | 0.29 | 219 | 428 | 11 |
| 7/20/2012 6:08:15 PM | 0.29 | 219 | 427 | 11 |
| 7/20/2012 6:09:15 PM | 0.29 | 220 | 427 | 11 |
| 7/20/2012 6:10:15 PM | 0.29 | 220 | 429 | 11 |
| 7/20/2012 6:11:15 PM | 0.29 | 219 | 427 | 11 |
| 7/20/2012 6:12:15 PM | 0.29 | 218 | 427 | 11 |
| 7/20/2012 6:13:15 PM | 0.29 | 219 | 428 | 11 |
| 7/20/2012 6:14:15 PM | 0.29 | 218 | 426 | 11 |
| 7/20/2012 6:15:15 PM | 0.29 | 218 | 425 | 11 |
| 7/20/2012 6:16:15 PM | 0.29 | 219 | 424 | 11 |
| 7/20/2012 6:17:15 PM | 0.28 | 219 | 423 | 11 |
| 7/20/2012 6:18:15 PM | 0.29 | 219 | 423 | 11 |
| 7/20/2012 6:19:15 PM | 0.28 | 218 | 425 | 11 |
| 7/20/2012 6:20:15 PM | 0.29 | 218 | 423 | 10 |
| 7/20/2012 6:21:15 PM | 0.29 | 218 | 422 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 6:22:15 PM | 0.29 | 218 | 422 | 10 |
| 7/20/2012 6:23:15 PM | 0.29 | 219 | 421 | 10 |
| 7/20/2012 6:24:15 PM | 0.29 | 219 | 418 | 10 |
| 7/20/2012 6:25:15 PM | 0.28 | 218 | 419 | 11 |
| 7/20/2012 6:26:15 PM | 0.29 | 219 | 418 | 11 |
| 7/20/2012 6:27:15 PM | 0.29 | 220 | 417 | 11 |
| 7/20/2012 6:28:15 PM | 0.28 | 220 | 418 | 11 |
| 7/20/2012 6:29:15 PM | 0.29 | 220 | 417 | 10 |
| 7/20/2012 6:30:15 PM | 0.29 | 220 | 417 | 10 |
| 7/20/2012 6:31:15 PM | 0.29 | 220 | 418 | 10 |
| 7/20/2012 6:32:15 PM | 0.28 | 220 | 418 | 10 |
| 7/20/2012 6:33:15 PM | 0.28 | 220 | 418 | 10 |
| 7/20/2012 6:34:15 PM | 0.29 | 219 | 418 | 10 |
| 7/20/2012 6:35:15 PM | 0.29 | 220 | 416 | 10 |
| 7/20/2012 6:36:15 PM | 0.29 | 221 | 416 | 10 |
| 7/20/2012 6:37:15 PM | 0.29 | 221 | 416 | 10 |
| 7/20/2012 6:38:15 PM | 0.29 | 222 | 418 | 10 |
| 7/20/2012 6:39:15 PM | 0.29 | 222 | 420 | 10 |
| 7/20/2012 6:40:15 PM | 0.28 | 222 | 421 | 10 |
| 7/20/2012 6:41:15 PM | 0.28 | 222 | 422 | 10 |
| 7/20/2012 6:42:15 PM | 0.29 | 221 | 419 | 10 |
| 7/20/2012 6:43:15 PM | 0.29 | 220 | 420 | 10 |
| 7/20/2012 6:44:15 PM | 0.28 | 222 | 417 | 10 |
| 7/20/2012 6:45:15 PM | 0.29 | 222 | 417 | 10 |
| 7/20/2012 6:46:15 PM | 0.28 | 222 | 417 | 11 |
| 7/20/2012 6:47:15 PM | 0.29 | 223 | 413 | 11 |
| 7/20/2012 6:48:15 PM | 0.28 | 224 | 415 | 11 |
| 7/20/2012 6:49:15 PM | 0.29 | 223 | 418 | 11 |
| 7/20/2012 6:50:15 PM | 0.29 | 221 | 417 | 10 |
| 7/20/2012 6:51:15 PM | 0.28 | 221 | 416 | 10 |
| 7/20/2012 6:52:15 PM | 0.29 | 220 | 416 | 10 |
| 7/20/2012 6:53:15 PM | 0.28 | 221 | 416 | 10 |
| 7/20/2012 6:54:15 PM | 0.28 | 222 | 417 | 10 |
| 7/20/2012 6:55:15 PM | 0.29 | 222 | 417 | 10 |
| 7/20/2012 6:56:15 PM | 0.29 | 223 | 419 | 10 |
| 7/20/2012 6:57:15 PM | 0.29 | 223 | 417 | 10 |
| 7/20/2012 6:58:15 PM | 0.28 | 222 | 417 | 10 |
| 7/20/2012 6:59:15 PM | 0.28 | 223 | 417 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 7:00:15 PM | 0.29 | 224 | 415 | 10 |
| 7/20/2012 7:01:15 PM | 0.28 | 223 | 414 | 10 |
| 7/20/2012 7:02:15 PM | 0.28 | 222 | 414 | 10 |
| 7/20/2012 7:03:15 PM | 0.29 | 222 | 413 | 10 |
| 7/20/2012 7:04:15 PM | 0.29 | 221 | 413 | 10 |
| 7/20/2012 7:05:15 PM | 0.28 | 220 | 412 | 10 |
| 7/20/2012 7:06:15 PM | 0.28 | 221 | 411 | 10 |
| 7/20/2012 7:07:15 PM | 0.29 | 221 | 413 | 10 |
| 7/20/2012 7:08:15 PM | 0.28 | 221 | 412 | 10 |
| 7/20/2012 7:09:15 PM | 0.29 | 220 | 411 | 10 |
| 7/20/2012 7:10:15 PM | 0.28 | 219 | 411 | 10 |
| 7/20/2012 7:11:15 PM | 0.29 | 219 | 408 | 10 |
| 7/20/2012 7:12:15 PM | 0.29 | 219 | 407 | 10 |
| 7/20/2012 7:13:15 PM | 0.29 | 218 | 407 | 10 |
| 7/20/2012 7:14:15 PM | 0.29 | 218 | 407 | 10 |
| 7/20/2012 7:15:15 PM | 0.29 | 219 | 406 | 10 |
| 7/20/2012 7:16:15 PM | 0.29 | 220 | 407 | 10 |
| 7/20/2012 7:17:15 PM | 0.28 | 221 | 409 | 9 |
| 7/20/2012 7:18:15 PM | 0.28 | 221 | 407 | 9 |
| 7/20/2012 7:19:15 PM | 0.29 | 222 | 407 | 10 |
| 7/20/2012 7:20:15 PM | 0.28 | 221 | 407 | 10 |
| 7/20/2012 7:21:15 PM | 0.28 | 221 | 407 | 10 |
| 7/20/2012 7:22:15 PM | 0.28 | 222 | 410 | 10 |
| 7/20/2012 7:23:15 PM | 0.28 | 221 | 410 | 9 |
| 7/20/2012 7:24:15 PM | 0.28 | 222 | 408 | 9 |
| 7/20/2012 7:25:15 PM | 0.29 | 221 | 409 | 9 |
| 7/20/2012 7:26:15 PM | 0.29 | 221 | 411 | 9 |
| 7/20/2012 7:27:15 PM | 0.29 | 221 | 407 | 9 |
| 7/20/2012 7:28:15 PM | 0.29 | 222 | 407 | 10 |
| 7/20/2012 7:29:15 PM | 0.29 | 222 | 408 | 10 |
| 7/20/2012 7:30:15 PM | 0.28 | 222 | 408 | 10 |
| 7/20/2012 7:31:15 PM | 0.28 | 223 | 411 | 10 |
| 7/20/2012 7:32:15 PM | 0.28 | 225 | 411 | 9 |
| 7/20/2012 7:33:15 PM | 0.28 | 226 | 408 | 9 |
| 7/20/2012 7:34:15 PM | 0.29 | 225 | 412 | 9 |
| 7/20/2012 7:35:15 PM | 0.28 | 226 | 411 | 9 |
| 7/20/2012 7:36:15 PM | 0.28 | 225 | 411 | 9 |
| 7/20/2012 7:37:15 PM | 0.29 | 224 | 411 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 7:38:15 PM | 0.28 | 224 | 409 | 10 |
| 7/20/2012 7:39:15 PM | 0.29 | 223 | 409 | 10 |
| 7/20/2012 7:40:15 PM | 0.28 | 222 | 409 | 10 |
| 7/20/2012 7:41:15 PM | 0.28 | 221 | 408 | 10 |
| 7/20/2012 7:42:15 PM | 0.29 | 222 | 408 | 10 |
| 7/20/2012 7:43:15 PM | 0.29 | 222 | 408 | 10 |
| 7/20/2012 7:44:15 PM | 0.28 | 223 | 409 | 9 |
| 7/20/2012 7:45:15 PM | 0.28 | 223 | 409 | 9 |
| 7/20/2012 7:46:15 PM | 0.28 | 224 | 409 | 10 |
| 7/20/2012 7:47:15 PM | 0.29 | 223 | 409 | 10 |
| 7/20/2012 7:48:15 PM | 0.28 | 223 | 410 | 10 |
| 7/20/2012 7:49:15 PM | 0.29 | 223 | 408 | 10 |
| 7/20/2012 7:50:15 PM | 0.28 | 222 | 409 | 9 |
| 7/20/2012 7:51:15 PM | 0.28 | 222 | 406 | 9 |
| 7/20/2012 7:52:15 PM | 0.29 | 222 | 408 | 10 |
| 7/20/2012 7:53:15 PM | 0.29 | 222 | 407 | 10 |
| 7/20/2012 7:54:15 PM | 0.28 | 222 | 407 | 10 |
| 7/20/2012 7:55:15 PM | 0.28 | 223 | 410 | 10 |
| 7/20/2012 7:56:15 PM | 0.28 | 224 | 411 | 10 |
| 7/20/2012 7:57:15 PM | 0.29 | 224 | 412 | 10 |
| 7/20/2012 7:58:15 PM | 0.28 | 225 | 412 | 9 |
| 7/20/2012 7:59:15 PM | 0.28 | 224 | 413 | 9 |
| 7/20/2012 8:00:15 PM | 0.28 | 225 | 412 | 9 |
| 7/20/2012 8:01:15 PM | 0.28 | 224 | 414 | 9 |
| 7/20/2012 8:02:15 PM | 0.28 | 225 | 413 | 9 |
| 7/20/2012 8:03:15 PM | 0.29 | 226 | 413 | 9 |
| 7/20/2012 8:04:15 PM | 0.28 | 225 | 413 | 10 |
| 7/20/2012 8:05:15 PM | 0.28 | 225 | 413 | 10 |
| 7/20/2012 8:06:15 PM | 0.29 | 225 | 412 | 10 |
| 7/20/2012 8:07:15 PM | 0.28 | 224 | 411 | 10 |
| 7/20/2012 8:08:15 PM | 0.28 | 224 | 408 | 10 |
| 7/20/2012 8:09:15 PM | 0.28 | 224 | 407 | 10 |
| 7/20/2012 8:10:15 PM | 0.28 | 224 | 407 | 10 |
| 7/20/2012 8:11:15 PM | 0.29 | 224 | 407 | 10 |
| 7/20/2012 8:12:15 PM | 0.28 | 225 | 406 | 10 |
| 7/20/2012 8:13:15 PM | 0.28 | 225 | 408 | 9 |
| 7/20/2012 8:14:15 PM | 0.28 | 226 | 408 | 9 |
| 7/20/2012 8:15:15 PM | 0.29 | 227 | 407 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 8:16:15 PM | 0.28 | 227 | 409 | 10 |
| 7/20/2012 8:17:15 PM | 0.28 | 227 | 407 | 10 |
| 7/20/2012 8:18:15 PM | 0.28 | 227 | 411 | 10 |
| 7/20/2012 8:19:15 PM | 0.28 | 227 | 412 | 10 |
| 7/20/2012 8:20:15 PM | 0.29 | 227 | 412 | 10 |
| 7/20/2012 8:21:15 PM | 0.28 | 227 | 410 | 10 |
| 7/20/2012 8:22:15 PM | 0.28 | 227 | 407 | 9 |
| 7/20/2012 8:23:15 PM | 0.28 | 226 | 409 | 9 |
| 7/20/2012 8:24:15 PM | 0.28 | 227 | 408 | 9 |
| 7/20/2012 8:25:15 PM | 0.28 | 227 | 409 | 9 |
| 7/20/2012 8:26:15 PM | 0.28 | 227 | 409 | 9 |
| 7/20/2012 8:27:15 PM | 0.28 | 225 | 407 | 9 |
| 7/20/2012 8:28:15 PM | 0.28 | 225 | 403 | 9 |
| 7/20/2012 8:29:15 PM | 0.28 | 225 | 403 | 9 |
| 7/20/2012 8:30:15 PM | 0.28 | 225 | 403 | 9 |
| 7/20/2012 8:31:15 PM | 0.28 | 224 | 401 | 9 |
| 7/20/2012 8:32:15 PM | 0.28 | 224 | 399 | 9 |
| 7/20/2012 8:33:15 PM | 0.29 | 224 | 397 | 9 |
| 7/20/2012 8:34:15 PM | 0.28 | 224 | 397 | 9 |
| 7/20/2012 8:35:15 PM | 0.29 | 224 | 397 | 9 |
| 7/20/2012 8:36:15 PM | 0.28 | 224 | 397 | 9 |
| 7/20/2012 8:37:15 PM | 0.28 | 224 | 399 | 9 |
| 7/20/2012 8:38:15 PM | 0.28 | 224 | 398 | 9 |
| 7/20/2012 8:39:15 PM | 0.28 | 225 | 398 | 9 |
| 7/20/2012 8:40:15 PM | 0.28 | 225 | 403 | 9 |
| 7/20/2012 8:41:15 PM | 0.28 | 225 | 402 | 9 |
| 7/20/2012 8:42:15 PM | 0.29 | 225 | 399 | 9 |
| 7/20/2012 8:43:15 PM | 0.28 | 224 | 399 | 9 |
| 7/20/2012 8:44:15 PM | 0.28 | 223 | 399 | 9 |
| 7/20/2012 8:45:15 PM | 0.28 | 223 | 397 | 9 |
| 7/20/2012 8:46:15 PM | 0.29 | 222 | 397 | 9 |
| 7/20/2012 8:47:15 PM | 0.28 | 224 | 396 | 9 |
| 7/20/2012 8:48:15 PM | 0.28 | 224 | 396 | 9 |
| 7/20/2012 8:49:15 PM | 0.28 | 225 | 397 | 9 |
| 7/20/2012 8:50:15 PM | 0.28 | 224 | 397 | 9 |
| 7/20/2012 8:51:15 PM | 0.28 | 225 | 395 | 9 |
| 7/20/2012 8:52:15 PM | 0.28 | 224 | 397 | 9 |
| 7/20/2012 8:53:15 PM | 0.28 | 224 | 397 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 8:54:15 PM | 0.28 | 224 | 396 | 9 |
| 7/20/2012 8:55:15 PM | 0.28 | 225 | 396 | 9 |
| 7/20/2012 8:56:15 PM | 0.28 | 224 | 397 | 9 |
| 7/20/2012 8:57:15 PM | 0.28 | 224 | 397 | 9 |
| 7/20/2012 8:58:15 PM | 0.28 | 224 | 397 | 9 |
| 7/20/2012 8:59:15 PM | 0.28 | 224 | 398 | 9 |
| 7/20/2012 9:00:15 PM | 0.28 | 225 | 396 | 9 |
| 7/20/2012 9:01:15 PM | 0.28 | 224 | 397 | 9 |
| 7/20/2012 9:02:15 PM | 0.28 | 224 | 395 | 9 |
| 7/20/2012 9:03:15 PM | 0.28 | 225 | 396 | 9 |
| 7/20/2012 9:04:15 PM | 0.28 | 224 | 397 | 9 |
| 7/20/2012 9:05:15 PM | 0.28 | 225 | 394 | 9 |
| 7/20/2012 9:06:15 PM | 0.28 | 224 | 393 | 9 |
| 7/20/2012 9:07:15 PM | 0.29 | 224 | 397 | 9 |
| 7/20/2012 9:08:15 PM | 0.28 | 225 | 397 | 9 |
| 7/20/2012 9:09:15 PM | 0.28 | 225 | 397 | 9 |
| 7/20/2012 9:10:15 PM | 0.28 | 225 | 398 | 9 |
| 7/20/2012 9:11:15 PM | 0.28 | 226 | 403 | 9 |
| 7/20/2012 9:12:15 PM | 0.28 | 226 | 402 | 9 |
| 7/20/2012 9:13:15 PM | 0.28 | 226 | 403 | 9 |
| 7/20/2012 9:14:15 PM | 0.28 | 227 | 404 | 9 |
| 7/20/2012 9:15:15 PM | 0.28 | 226 | 404 | 9 |
| 7/20/2012 9:16:15 PM | 0.28 | 227 | 403 | 9 |
| 7/20/2012 9:17:15 PM | 0.28 | 227 | 406 | 9 |
| 7/20/2012 9:18:15 PM | 0.28 | 227 | 405 | 9 |
| 7/20/2012 9:19:15 PM | 0.28 | 227 | 407 | 9 |
| 7/20/2012 9:20:15 PM | 0.28 | 228 | 409 | 9 |
| 7/20/2012 9:21:15 PM | 0.28 | 228 | 411 | 9 |
| 7/20/2012 9:22:15 PM | 0.28 | 229 | 410 | 9 |
| 7/20/2012 9:23:15 PM | 0.28 | 228 | 412 | 9 |
| 7/20/2012 9:24:15 PM | 0.28 | 228 | 412 | 9 |
| 7/20/2012 9:25:15 PM | 0.28 | 228 | 412 | 9 |
| 7/20/2012 9:26:15 PM | 0.28 | 229 | 413 | 9 |
| 7/20/2012 9:27:15 PM | 0.28 | 229 | 412 | 9 |
| 7/20/2012 9:28:15 PM | 0.28 | 229 | 413 | 9 |
| 7/20/2012 9:29:15 PM | 0.28 | 229 | 412 | 9 |
| 7/20/2012 9:30:15 PM | 0.28 | 228 | 411 | 9 |
| 7/20/2012 9:31:15 PM | 0.28 | 227 | 410 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 9:32:15 PM | 0.28 | 228 | 407 | 9 |
| 7/20/2012 9:33:15 PM | 0.28 | 227 | 405 | 9 |
| 7/20/2012 9:34:15 PM | 0.28 | 227 | 407 | 9 |
| 7/20/2012 9:35:15 PM | 0.28 | 227 | 404 | 9 |
| 7/20/2012 9:36:15 PM | 0.28 | 227 | 403 | 9 |
| 7/20/2012 9:37:15 PM | 0.28 | 226 | 405 | 9 |
| 7/20/2012 9:38:15 PM | 0.28 | 225 | 405 | 9 |
| 7/20/2012 9:39:15 PM | 0.29 | 225 | 403 | 9 |
| 7/20/2012 9:40:15 PM | 0.29 | 225 | 403 | 9 |
| 7/20/2012 9:41:15 PM | 0.28 | 225 | 402 | 9 |
| 7/20/2012 9:42:15 PM | 0.28 | 225 | 401 | 9 |
| 7/20/2012 9:43:15 PM | 0.28 | 225 | 403 | 9 |
| 7/20/2012 9:44:15 PM | 0.28 | 225 | 404 | 9 |
| 7/20/2012 9:45:15 PM | 0.28 | 226 | 403 | 9 |
| 7/20/2012 9:46:15 PM | 0.28 | 226 | 403 | 9 |
| 7/20/2012 9:47:15 PM | 0.28 | 226 | 405 | 9 |
| 7/20/2012 9:48:15 PM | 0.28 | 226 | 403 | 9 |
| 7/20/2012 9:49:15 PM | 0.28 | 227 | 406 | 9 |
| 7/20/2012 9:50:15 PM | 0.28 | 227 | 404 | 9 |
| 7/20/2012 9:51:15 PM | 0.28 | 227 | 406 | 9 |
| 7/20/2012 9:52:15 PM | 0.28 | 227 | 405 | 9 |
| 7/20/2012 9:53:15 PM | 0.28 | 228 | 407 | 9 |
| 7/20/2012 9:54:15 PM | 0.28 | 228 | 407 | 9 |
| 7/20/2012 9:55:15 PM | 0.28 | 229 | 408 | 9 |
| 7/20/2012 9:56:15 PM | 0.28 | 229 | 408 | 9 |
| 7/20/2012 9:57:15 PM | 0.28 | 229 | 407 | 9 |
| 7/20/2012 9:58:15 PM | 0.28 | 229 | 407 | 8 |
| 7/20/2012 9:59:15 PM | 0.28 | 228 | 411 | 8 |
| 7/20/2012 10:00:15 PM | 0.28 | 228 | 412 | 8 |
| 7/20/2012 10:01:15 PM | 0.28 | 228 | 411 | 8 |
| 7/20/2012 10:02:15 PM | 0.28 | 228 | 412 | 8 |
| 7/20/2012 10:03:15 PM | 0.28 | 228 | 412 | 8 |
| 7/20/2012 10:04:15 PM | 0.28 | 228 | 413 | 9 |
| 7/20/2012 10:05:15 PM | 0.28 | 228 | 414 | 9 |
| 7/20/2012 10:06:15 PM | 0.28 | 228 | 413 | 9 |
| 7/20/2012 10:07:15 PM | 0.28 | 227 | 412 | 8 |
| 7/20/2012 10:08:15 PM | 0.28 | 226 | 413 | 8 |
| 7/20/2012 10:09:15 PM | 0.28 | 227 | 412 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 10:10:15 PM | 0.28 | 227 | 410 | 9 |
| 7/20/2012 10:11:15 PM | 0.28 | 227 | 411 | 9 |
| 7/20/2012 10:12:15 PM | 0.28 | 228 | 411 | 9 |
| 7/20/2012 10:13:15 PM | 0.28 | 228 | 410 | 8 |
| 7/20/2012 10:14:15 PM | 0.28 | 228 | 407 | 8 |
| 7/20/2012 10:15:15 PM | 0.28 | 229 | 407 | 8 |
| 7/20/2012 10:16:15 PM | 0.28 | 230 | 408 | 8 |
| 7/20/2012 10:17:15 PM | 0.28 | 230 | 409 | 8 |
| 7/20/2012 10:18:15 PM | 0.28 | 230 | 408 | 8 |
| 7/20/2012 10:19:15 PM | 0.28 | 231 | 407 | 9 |
| 7/20/2012 10:20:15 PM | 0.28 | 230 | 408 | 9 |
| 7/20/2012 10:21:15 PM | 0.28 | 230 | 408 | 9 |
| 7/20/2012 10:22:15 PM | 0.28 | 229 | 409 | 9 |
| 7/20/2012 10:23:15 PM | 0.28 | 229 | 410 | 9 |
| 7/20/2012 10:24:15 PM | 0.28 | 229 | 408 | 9 |
| 7/20/2012 10:25:15 PM | 0.28 | 229 | 407 | 9 |
| 7/20/2012 10:26:15 PM | 0.28 | 229 | 405 | 9 |
| 7/20/2012 10:27:15 PM | 0.28 | 230 | 402 | 9 |
| 7/20/2012 10:28:15 PM | 0.28 | 230 | 403 | 8 |
| 7/20/2012 10:29:15 PM | 0.28 | 230 | 402 | 8 |
| 7/20/2012 10:30:15 PM | 0.28 | 230 | 402 | 8 |
| 7/20/2012 10:31:15 PM | 0.28 | 230 | 403 | 9 |
| 7/20/2012 10:32:15 PM | 0.28 | 230 | 405 | 9 |
| 7/20/2012 10:33:15 PM | 0.28 | 230 | 406 | 9 |
| 7/20/2012 10:34:15 PM | 0.28 | 230 | 408 | 9 |
| 7/20/2012 10:35:15 PM | 0.28 | 230 | 408 | 9 |
| 7/20/2012 10:36:15 PM | 0.28 | 230 | 410 | 9 |
| 7/20/2012 10:37:15 PM | 0.28 | 230 | 411 | 9 |
| 7/20/2012 10:38:15 PM | 0.28 | 229 | 410 | 9 |
| 7/20/2012 10:39:15 PM | 0.28 | 229 | 410 | 9 |
| 7/20/2012 10:40:15 PM | 0.28 | 229 | 411 | 8 |
| 7/20/2012 10:41:15 PM | 0.28 | 229 | 411 | 8 |
| 7/20/2012 10:42:15 PM | 0.28 | 229 | 412 | 9 |
| 7/20/2012 10:43:15 PM | 0.28 | 229 | 411 | 9 |
| 7/20/2012 10:44:15 PM | 0.28 | 229 | 409 | 9 |
| 7/20/2012 10:45:15 PM | 0.28 | 229 | 408 | 9 |
| 7/20/2012 10:46:15 PM | 0.28 | 229 | 409 | 8 |
| 7/20/2012 10:47:15 PM | 0.28 | 229 | 409 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 10:48:15 PM | 0.28 | 229 | 410 | 8 |
| 7/20/2012 10:49:15 PM | 0.28 | 229 | 409 | 8 |
| 7/20/2012 10:50:15 PM | 0.28 | 229 | 408 | 8 |
| 7/20/2012 10:51:15 PM | 0.28 | 229 | 410 | 9 |
| 7/20/2012 10:52:15 PM | 0.28 | 229 | 413 | 9 |
| 7/20/2012 10:53:15 PM | 0.28 | 229 | 413 | 9 |
| 7/20/2012 10:54:15 PM | 0.28 | 229 | 410 | 9 |
| 7/20/2012 10:55:15 PM | 0.28 | 229 | 408 | 8 |
| 7/20/2012 10:56:15 PM | 0.28 | 228 | 410 | 8 |
| 7/20/2012 10:57:15 PM | 0.28 | 228 | 409 | 8 |
| 7/20/2012 10:58:15 PM | 0.28 | 228 | 409 | 9 |
| 7/20/2012 10:59:15 PM | 0.28 | 228 | 408 | 9 |
| 7/20/2012 11:00:15 PM | 0.28 | 227 | 406 | 9 |
| 7/20/2012 11:01:15 PM | 0.28 | 227 | 405 | 9 |
| 7/20/2012 11:02:15 PM | 0.29 | 227 | 403 | 9 |
| 7/20/2012 11:03:15 PM | 0.28 | 226 | 402 | 9 |
| 7/20/2012 11:04:15 PM | 0.28 | 227 | 401 | 8 |
| 7/20/2012 11:05:15 PM | 0.28 | 227 | 399 | 8 |
| 7/20/2012 11:06:15 PM | 0.28 | 226 | 398 | 8 |
| 7/20/2012 11:07:15 PM | 0.28 | 227 | 397 | 8 |
| 7/20/2012 11:08:15 PM | 0.28 | 227 | 396 | 8 |
| 7/20/2012 11:09:15 PM | 0.28 | 227 | 397 | 9 |
| 7/20/2012 11:10:15 PM | 0.28 | 227 | 397 | 9 |
| 7/20/2012 11:11:15 PM | 0.28 | 227 | 398 | 9 |
| 7/20/2012 11:12:15 PM | 0.28 | 227 | 394 | 9 |
| 7/20/2012 11:13:15 PM | 0.28 | 227 | 393 | 9 |
| 7/20/2012 11:14:15 PM | 0.28 | 227 | 393 | 9 |
| 7/20/2012 11:15:15 PM | 0.28 | 227 | 394 | 9 |
| 7/20/2012 11:16:15 PM | 0.28 | 226 | 397 | 8 |
| 7/20/2012 11:17:15 PM | 0.28 | 226 | 398 | 8 |
| 7/20/2012 11:18:15 PM | 0.28 | 226 | 399 | 8 |
| 7/20/2012 11:19:15 PM | 0.28 | 226 | 398 | 8 |
| 7/20/2012 11:20:15 PM | 0.29 | 226 | 398 | 8 |
| 7/20/2012 11:21:15 PM | 0.29 | 226 | 399 | 9 |
| 7/20/2012 11:22:15 PM | 0.28 | 225 | 401 | 9 |
| 7/20/2012 11:23:15 PM | 0.28 | 225 | 404 | 9 |
| 7/20/2012 11:24:15 PM | 0.29 | 225 | 405 | 9 |
| 7/20/2012 11:25:15 PM | 0.29 | 225 | 406 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **20-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **20-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/20/2012 11:26:15 PM | 0.29 | 223 | 404 | 8 |
| 7/20/2012 11:27:15 PM | 0.29 | 223 | 404 | 8 |
| 7/20/2012 11:28:15 PM | 0.29 | 223 | 404 | 8 |
| 7/20/2012 11:29:15 PM | 0.29 | 222 | 403 | 8 |
| 7/20/2012 11:30:15 PM | 0.29 | 223 | 406 | 8 |
| 7/20/2012 11:31:15 PM | 0.29 | 223 | 407 | 8 |
| 7/20/2012 11:32:15 PM | 0.29 | 223 | 409 | 8 |
| 7/20/2012 11:33:15 PM | 0.28 | 223 | 412 | 9 |
| 7/20/2012 11:34:15 PM | 0.28 | 223 | 413 | 9 |
| 7/20/2012 11:35:15 PM | 0.29 | 223 | 412 | 9 |
| 7/20/2012 11:36:15 PM | 0.29 | 223 | 414 | 9 |
| 7/20/2012 11:37:15 PM | 0.28 | 223 | 417 | 8 |
| 7/20/2012 11:38:15 PM | 0.29 | 223 | 415 | 8 |
| 7/20/2012 11:39:15 PM | 0.28 | 223 | 413 | 9 |
| 7/20/2012 11:40:15 PM | 0.29 | 224 | 414 | 9 |
| 7/20/2012 11:41:15 PM | 0.28 | 224 | 415 | 9 |
| 7/20/2012 11:42:15 PM | 0.28 | 224 | 412 | 9 |
| 7/20/2012 11:43:15 PM | 0.29 | 224 | 410 | 9 |
| 7/20/2012 11:44:15 PM | 0.28 | 224 | 411 | 9 |
| 7/20/2012 11:45:15 PM | 0.28 | 224 | 412 | 9 |
| 7/20/2012 11:46:15 PM | 0.28 | 225 | 409 | 9 |
| 7/20/2012 11:47:15 PM | 0.28 | 226 | 411 | 9 |
| 7/20/2012 11:48:15 PM | 0.28 | 226 | 412 | 9 |
| 7/20/2012 11:49:15 PM | 0.28 | 226 | 412 | 9 |
| 7/20/2012 11:50:15 PM | 0.28 | 226 | 410 | 9 |
| 7/20/2012 11:51:15 PM | 0.28 | 225 | 407 | 9 |
| 7/20/2012 11:52:15 PM | 0.28 | 225 | 406 | 9 |
| 7/20/2012 11:53:15 PM | 0.28 | 225 | 405 | 9 |
| 7/20/2012 11:54:15 PM | 0.28 | 225 | 404 | 9 |
| 7/20/2012 11:55:15 PM | 0.29 | 225 | 403 | 9 |
| 7/20/2012 11:56:15 PM | 0.28 | 226 | 404 | 9 |
| 7/20/2012 11:57:15 PM | 0.28 | 226 | 404 | 9 |
| 7/20/2012 11:58:15 PM | 0.28 | 226 | 403 | 9 |
| 7/20/2012 11:59:15 PM | 0.29 | 226 | 403 | 9 |
| Averages | 0.28 | 223 | 423 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 0:00:15 AM | 0.28 | 226 | 403 | 9 |
| 7/21/2012 0:01:15 AM | 0.28 | 226 | 401 | 9 |
| 7/21/2012 0:02:15 AM | 0.29 | 227 | 401 | 9 |
| 7/21/2012 0:03:15 AM | 0.28 | 227 | 401 | 9 |
| 7/21/2012 0:04:15 AM | 0.28 | 227 | 399 | 9 |
| 7/21/2012 0:05:15 AM | 0.28 | 227 | 400 | 9 |
| 7/21/2012 0:06:15 AM | 0.28 | 227 | 398 | 9 |
| 7/21/2012 0:07:15 AM | 0.28 | 228 | 398 | 9 |
| 7/21/2012 0:08:15 AM | 0.28 | 228 | 401 | 9 |
| 7/21/2012 0:09:15 AM | 0.28 | 228 | 401 | 9 |
| 7/21/2012 0:10:15 AM | 0.28 | 229 | 402 | 9 |
| 7/21/2012 0:11:15 AM | 0.28 | 230 | 402 | 9 |
| 7/21/2012 0:12:15 AM | 0.28 | 229 | 401 | 9 |
| 7/21/2012 0:13:15 AM | 0.28 | 229 | 402 | 9 |
| 7/21/2012 0:14:15 AM | 0.28 | 229 | 402 | 9 |
| 7/21/2012 0:15:15 AM | 0.28 | 229 | 401 | 9 |
| 7/21/2012 0:16:15 AM | 0.28 | 229 | 401 | 9 |
| 7/21/2012 0:17:15 AM | 0.28 | 229 | 401 | 9 |
| 7/21/2012 0:18:15 AM | 0.28 | 229 | 399 | 9 |
| 7/21/2012 0:19:15 AM | 0.28 | 228 | 399 | 9 |
| 7/21/2012 0:20:15 AM | 0.28 | 228 | 399 | 9 |
| 7/21/2012 0:21:15 AM | 0.28 | 228 | 400 | 9 |
| 7/21/2012 0:22:15 AM | 0.28 | 229 | 402 | 9 |
| 7/21/2012 0:23:15 AM | 0.28 | 228 | 404 | 9 |
| 7/21/2012 0:24:15 AM | 0.28 | 228 | 406 | 9 |
| 7/21/2012 0:25:15 AM | 0.28 | 229 | 407 | 8 |
| 7/21/2012 0:26:15 AM | 0.28 | 229 | 408 | 8 |
| 7/21/2012 0:27:15 AM | 0.28 | 229 | 411 | 8 |
| 7/21/2012 0:28:15 AM | 0.28 | 228 | 414 | 8 |
| 7/21/2012 0:29:15 AM | 0.28 | 229 | 417 | 8 |
| 7/21/2012 0:30:15 AM | 0.28 | 228 | 417 | 8 |
| 7/21/2012 0:31:15 AM | 0.28 | 227 | 418 | 8 |
| 7/21/2012 0:32:15 AM | 0.28 | 227 | 418 | 8 |
| 7/21/2012 0:33:15 AM | 0.28 | 227 | 418 | 8 |
| 7/21/2012 0:34:15 AM | 0.28 | 227 | 421 | 8 |
| 7/21/2012 0:35:15 AM | 0.28 | 227 | 423 | 8 |
| 7/21/2012 0:36:15 AM | 0.28 | 227 | 423 | 8 |
| 7/21/2012 0:37:15 AM | 0.28 | 228 | 425 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 0:38:15 AM | 0.28 | 228 | 427 | 8 |
| 7/21/2012 0:39:15 AM | 0.28 | 229 | 427 | 8 |
| 7/21/2012 0:40:15 AM | 0.28 | 229 | 428 | 8 |
| 7/21/2012 0:41:15 AM | 0.28 | 228 | 430 | 8 |
| 7/21/2012 0:42:15 AM | 0.28 | 228 | 431 | 9 |
| 7/21/2012 0:43:15 AM | 0.28 | 228 | 431 | 9 |
| 7/21/2012 0:44:15 AM | 0.28 | 227 | 430 | 9 |
| 7/21/2012 0:45:15 AM | 0.28 | 228 | 430 | 9 |
| 7/21/2012 0:46:15 AM | 0.28 | 228 | 429 | 9 |
| 7/21/2012 0:47:15 AM | 0.28 | 228 | 429 | 9 |
| 7/21/2012 0:48:15 AM | 0.28 | 228 | 427 | 9 |
| 7/21/2012 0:49:15 AM | 0.28 | 228 | 427 | 9 |
| 7/21/2012 0:50:15 AM | 0.28 | 228 | 426 | 9 |
| 7/21/2012 0:51:15 AM | 0.28 | 228 | 425 | 9 |
| 7/21/2012 0:52:15 AM | 0.28 | 228 | 424 | 9 |
| 7/21/2012 0:53:15 AM | 0.28 | 228 | 423 | 9 |
| 7/21/2012 0:54:15 AM | 0.28 | 227 | 421 | 9 |
| 7/21/2012 0:55:15 AM | 0.28 | 227 | 419 | 9 |
| 7/21/2012 0:56:15 AM | 0.28 | 227 | 419 | 9 |
| 7/21/2012 0:57:15 AM | 0.28 | 226 | 417 | 9 |
| 7/21/2012 0:58:15 AM | 0.28 | 226 | 417 | 9 |
| 7/21/2012 0:59:15 AM | 0.28 | 226 | 416 | 9 |
| 7/21/2012 1:00:15 AM | 0.29 | 226 | 415 | 9 |
| 7/21/2012 1:01:15 AM | 0.28 | 225 | 416 | 9 |
| 7/21/2012 1:02:15 AM | 0.29 | 225 | 414 | 9 |
| 7/21/2012 1:03:15 AM | 0.29 | 225 | 413 | 9 |
| 7/21/2012 1:04:15 AM | 0.28 | 225 | 412 | 8 |
| 7/21/2012 1:05:15 AM | 0.28 | 225 | 409 | 8 |
| 7/21/2012 1:06:15 AM | 0.28 | 223 | 407 | 9 |
| 7/21/2012 1:07:15 AM | 0.28 | 224 | 408 | 9 |
| 7/21/2012 1:08:15 AM | 0.28 | 225 | 407 | 9 |
| 7/21/2012 1:09:15 AM | 0.29 | 225 | 406 | 9 |
| 7/21/2012 1:10:15 AM | 0.29 | 225 | 406 | 9 |
| 7/21/2012 1:11:15 AM | 0.28 | 225 | 404 | 9 |
| 7/21/2012 1:12:15 AM | 0.28 | 226 | 405 | 9 |
| 7/21/2012 1:13:15 AM | 0.28 | 225 | 406 | 9 |
| 7/21/2012 1:14:15 AM | 0.28 | 225 | 406 | 9 |
| 7/21/2012 1:15:15 AM | 0.28 | 225 | 407 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 1:16:15 AM | 0.28 | 225 | 406 | 8 |
| 7/21/2012 1:17:15 AM | 0.28 | 225 | 407 | 8 |
| 7/21/2012 1:18:15 AM | 0.28 | 225 | 406 | 8 |
| 7/21/2012 1:19:15 AM | 0.28 | 225 | 409 | 8 |
| 7/21/2012 1:20:15 AM | 0.28 | 226 | 410 | 8 |
| 7/21/2012 1:21:15 AM | 0.29 | 226 | 410 | 8 |
| 7/21/2012 1:22:15 AM | 0.28 | 226 | 413 | 8 |
| 7/21/2012 1:23:15 AM | 0.28 | 227 | 415 | 8 |
| 7/21/2012 1:24:15 AM | 0.28 | 227 | 416 | 8 |
| 7/21/2012 1:25:15 AM | 0.28 | 227 | 417 | 9 |
| 7/21/2012 1:26:15 AM | 0.28 | 226 | 416 | 9 |
| 7/21/2012 1:27:15 AM | 0.28 | 226 | 418 | 9 |
| 7/21/2012 1:28:15 AM | 0.28 | 226 | 421 | 8 |
| 7/21/2012 1:29:15 AM | 0.28 | 226 | 423 | 8 |
| 7/21/2012 1:30:15 AM | 0.28 | 226 | 422 | 8 |
| 7/21/2012 1:31:15 AM | 0.28 | 226 | 423 | 8 |
| 7/21/2012 1:32:15 AM | 0.28 | 226 | 425 | 8 |
| 7/21/2012 1:33:15 AM | 0.28 | 226 | 424 | 9 |
| 7/21/2012 1:34:15 AM | 0.28 | 226 | 428 | 9 |
| 7/21/2012 1:35:15 AM | 0.28 | 227 | 428 | 9 |
| 7/21/2012 1:36:15 AM | 0.28 | 227 | 427 | 9 |
| 7/21/2012 1:37:15 AM | 0.28 | 227 | 428 | 8 |
| 7/21/2012 1:38:15 AM | 0.28 | 227 | 428 | 8 |
| 7/21/2012 1:39:15 AM | 0.28 | 226 | 425 | 8 |
| 7/21/2012 1:40:15 AM | 0.28 | 226 | 423 | 8 |
| 7/21/2012 1:41:15 AM | 0.28 | 227 | 422 | 8 |
| 7/21/2012 1:42:15 AM | 0.28 | 228 | 419 | 9 |
| 7/21/2012 1:43:15 AM | 0.28 | 227 | 418 | 9 |
| 7/21/2012 1:44:15 AM | 0.28 | 228 | 421 | 9 |
| 7/21/2012 1:45:15 AM | 0.28 | 228 | 422 | 9 |
| 7/21/2012 1:46:15 AM | 0.28 | 227 | 419 | 8 |
| 7/21/2012 1:47:15 AM | 0.29 | 227 | 418 | 8 |
| 7/21/2012 1:48:15 AM | 0.28 | 227 | 415 | 9 |
| 7/21/2012 1:49:15 AM | 0.28 | 227 | 414 | 9 |
| 7/21/2012 1:50:15 AM | 0.28 | 227 | 412 | 9 |
| 7/21/2012 1:51:15 AM | 0.29 | 227 | 413 | 9 |
| 7/21/2012 1:52:15 AM | 0.29 | 226 | 414 | 9 |
| 7/21/2012 1:53:15 AM | 0.28 | 226 | 412 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 1:54:15 AM | 0.28 | 227 | 408 | 9 |
| 7/21/2012 1:55:15 AM | 0.28 | 227 | 407 | 9 |
| 7/21/2012 1:56:15 AM | 0.28 | 227 | 407 | 9 |
| 7/21/2012 1:57:15 AM | 0.28 | 227 | 406 | 9 |
| 7/21/2012 1:58:15 AM | 0.28 | 227 | 407 | 9 |
| 7/21/2012 1:59:15 AM | 0.28 | 227 | 407 | 9 |
| 7/21/2012 2:00:15 AM | 0.28 | 227 | 405 | 9 |
| 7/21/2012 2:01:15 AM | 0.28 | 228 | 402 | 9 |
| 7/21/2012 2:02:15 AM | 0.28 | 228 | 398 | 9 |
| 7/21/2012 2:03:15 AM | 0.28 | 227 | 393 | 9 |
| 7/21/2012 2:04:15 AM | 0.28 | 228 | 393 | 9 |
| 7/21/2012 2:05:15 AM | 0.28 | 228 | 393 | 9 |
| 7/21/2012 2:06:15 AM | 0.28 | 228 | 392 | 9 |
| 7/21/2012 2:07:15 AM | 0.28 | 227 | 394 | 9 |
| 7/21/2012 2:08:15 AM | 0.28 | 227 | 397 | 9 |
| 7/21/2012 2:09:15 AM | 0.28 | 227 | 399 | 9 |
| 7/21/2012 2:10:15 AM | 0.28 | 227 | 403 | 9 |
| 7/21/2012 2:11:15 AM | 0.29 | 227 | 405 | 9 |
| 7/21/2012 2:12:15 AM | 0.28 | 227 | 407 | 9 |
| 7/21/2012 2:13:15 AM | 0.28 | 227 | 409 | 8 |
| 7/21/2012 2:14:15 AM | 0.28 | 227 | 410 | 8 |
| 7/21/2012 2:15:15 AM | 0.28 | 228 | 410 | 9 |
| 7/21/2012 2:16:15 AM | 0.29 | 228 | 411 | 9 |
| 7/21/2012 2:17:15 AM | 0.28 | 228 | 412 | 9 |
| 7/21/2012 2:18:15 AM | 0.28 | 228 | 412 | 9 |
| 7/21/2012 2:19:15 AM | 0.28 | 227 | 415 | 9 |
| 7/21/2012 2:20:15 AM | 0.28 | 227 | 417 | 9 |
| 7/21/2012 2:21:15 AM | 0.28 | 228 | 419 | 9 |
| 7/21/2012 2:22:15 AM | 0.28 | 228 | 422 | 9 |
| 7/21/2012 2:23:15 AM | 0.28 | 228 | 422 | 9 |
| 7/21/2012 2:24:15 AM | 0.28 | 228 | 421 | 9 |
| 7/21/2012 2:25:15 AM | 0.28 | 229 | 422 | 8 |
| 7/21/2012 2:26:15 AM | 0.28 | 228 | 423 | 8 |
| 7/21/2012 2:27:15 AM | 0.28 | 228 | 425 | 8 |
| 7/21/2012 2:28:15 AM | 0.28 | 227 | 424 | 8 |
| 7/21/2012 2:29:15 AM | 0.28 | 227 | 426 | 8 |
| 7/21/2012 2:30:15 AM | 0.28 | 227 | 426 | 8 |
| 7/21/2012 2:31:15 AM | 0.28 | 227 | 427 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 2:32:15 AM | 0.28 | 227 | 427 | 8 |
| 7/21/2012 2:33:15 AM | 0.28 | 226 | 423 | 9 |
| 7/21/2012 2:34:15 AM | 0.28 | 226 | 422 | 9 |
| 7/21/2012 2:35:15 AM | 0.28 | 226 | 424 | 9 |
| 7/21/2012 2:36:15 AM | 0.28 | 226 | 425 | 9 |
| 7/21/2012 2:37:15 AM | 0.29 | 226 | 422 | 9 |
| 7/21/2012 2:38:15 AM | 0.28 | 226 | 418 | 9 |
| 7/21/2012 2:39:15 AM | 0.28 | 226 | 413 | 9 |
| 7/21/2012 2:40:15 AM | 0.28 | 226 | 409 | 8 |
| 7/21/2012 2:41:15 AM | 0.28 | 226 | 407 | 8 |
| 7/21/2012 2:42:15 AM | 0.28 | 226 | 406 | 9 |
| 7/21/2012 2:43:15 AM | 0.28 | 227 | 404 | 9 |
| 7/21/2012 2:44:15 AM | 0.28 | 226 | 405 | 9 |
| 7/21/2012 2:45:15 AM | 0.28 | 226 | 408 | 9 |
| 7/21/2012 2:46:15 AM | 0.28 | 226 | 411 | 8 |
| 7/21/2012 2:47:15 AM | 0.28 | 227 | 410 | 8 |
| 7/21/2012 2:48:15 AM | 0.28 | 228 | 409 | 9 |
| 7/21/2012 2:49:15 AM | 0.28 | 227 | 409 | 9 |
| 7/21/2012 2:50:15 AM | 0.28 | 227 | 408 | 9 |
| 7/21/2012 2:51:15 AM | 0.28 | 227 | 405 | 9 |
| 7/21/2012 2:52:15 AM | 0.28 | 226 | 401 | 9 |
| 7/21/2012 2:53:15 AM | 0.28 | 227 | 396 | 9 |
| 7/21/2012 2:54:15 AM | 0.28 | 227 | 391 | 9 |
| 7/21/2012 2:55:15 AM | 0.28 | 227 | 390 | 8 |
| 7/21/2012 2:56:15 AM | 0.28 | 227 | 391 | 8 |
| 7/21/2012 2:57:15 AM | 0.28 | 228 | 390 | 8 |
| 7/21/2012 2:58:15 AM | 0.28 | 227 | 394 | 8 |
| 7/21/2012 2:59:15 AM | 0.29 | 227 | 398 | 8 |
| 7/21/2012 3:00:15 AM | 0.28 | 227 | 401 | 9 |
| 7/21/2012 3:01:15 AM | 0.28 | 227 | 404 | 9 |
| 7/21/2012 3:02:15 AM | 0.28 | 227 | 405 | 9 |
| 7/21/2012 3:03:15 AM | 0.28 | 227 | 407 | 9 |
| 7/21/2012 3:04:15 AM | 0.28 | 227 | 410 | 8 |
| 7/21/2012 3:05:15 AM | 0.28 | 228 | 410 | 8 |
| 7/21/2012 3:06:15 AM | 0.28 | 228 | 411 | 8 |
| 7/21/2012 3:07:15 AM | 0.28 | 229 | 412 | 8 |
| 7/21/2012 3:08:15 AM | 0.28 | 228 | 413 | 8 |
| 7/21/2012 3:09:15 AM | 0.28 | 228 | 411 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 3:10:15 AM | 0.29 | 227 | 412 | 9 |
| 7/21/2012 3:11:15 AM | 0.28 | 227 | 412 | 9 |
| 7/21/2012 3:12:15 AM | 0.28 | 227 | 414 | 9 |
| 7/21/2012 3:13:15 AM | 0.28 | 227 | 418 | 8 |
| 7/21/2012 3:14:15 AM | 0.28 | 227 | 418 | 8 |
| 7/21/2012 3:15:15 AM | 0.28 | 228 | 420 | 9 |
| 7/21/2012 3:16:15 AM | 0.28 | 228 | 422 | 9 |
| 7/21/2012 3:17:15 AM | 0.28 | 228 | 424 | 9 |
| 7/21/2012 3:18:15 AM | 0.28 | 229 | 426 | 9 |
| 7/21/2012 3:19:15 AM | 0.28 | 229 | 427 | 8 |
| 7/21/2012 3:20:15 AM | 0.28 | 229 | 426 | 8 |
| 7/21/2012 3:21:15 AM | 0.28 | 228 | 424 | 8 |
| 7/21/2012 3:22:15 AM | 0.28 | 227 | 425 | 8 |
| 7/21/2012 3:23:15 AM | 0.28 | 226 | 426 | 8 |
| 7/21/2012 3:24:15 AM | 0.28 | 226 | 424 | 9 |
| 7/21/2012 3:25:15 AM | 0.28 | 225 | 422 | 9 |
| 7/21/2012 3:26:15 AM | 0.29 | 225 | 422 | 9 |
| 7/21/2012 3:27:15 AM | 0.28 | 225 | 419 | 9 |
| 7/21/2012 3:28:15 AM | 0.28 | 225 | 415 | 8 |
| 7/21/2012 3:29:15 AM | 0.29 | 225 | 415 | 8 |
| 7/21/2012 3:30:15 AM | 0.28 | 225 | 416 | 9 |
| 7/21/2012 3:31:15 AM | 0.29 | 225 | 413 | 9 |
| 7/21/2012 3:32:15 AM | 0.28 | 225 | 412 | 9 |
| 7/21/2012 3:33:15 AM | 0.28 | 226 | 410 | 9 |
| 7/21/2012 3:34:15 AM | 0.28 | 225 | 409 | 9 |
| 7/21/2012 3:35:15 AM | 0.29 | 225 | 409 | 9 |
| 7/21/2012 3:36:15 AM | 0.29 | 226 | 407 | 9 |
| 7/21/2012 3:37:15 AM | 0.28 | 226 | 407 | 9 |
| 7/21/2012 3:38:15 AM | 0.28 | 225 | 406 | 9 |
| 7/21/2012 3:39:15 AM | 0.28 | 225 | 405 | 9 |
| 7/21/2012 3:40:15 AM | 0.29 | 225 | 403 | 9 |
| 7/21/2012 3:41:15 AM | 0.28 | 226 | 401 | 9 |
| 7/21/2012 3:42:15 AM | 0.28 | 226 | 398 | 9 |
| 7/21/2012 3:43:15 AM | 0.28 | 226 | 397 | 9 |
| 7/21/2012 3:44:15 AM | 0.28 | 227 | 398 | 9 |
| 7/21/2012 3:45:15 AM | 0.28 | 227 | 401 | 9 |
| 7/21/2012 3:46:15 AM | 0.28 | 227 | 402 | 8 |
| 7/21/2012 3:47:15 AM | 0.28 | 227 | 402 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 3:48:15 AM | 0.28 | 227 | 402 | 8 |
| 7/21/2012 3:49:15 AM | 0.28 | 228 | 404 | 8 |
| 7/21/2012 3:50:15 AM | 0.28 | 227 | 407 | 8 |
| 7/21/2012 3:51:15 AM | 0.28 | 227 | 408 | 9 |
| 7/21/2012 3:52:15 AM | 0.28 | 227 | 410 | 9 |
| 7/21/2012 3:53:15 AM | 0.28 | 227 | 410 | 9 |
| 7/21/2012 3:54:15 AM | 0.28 | 227 | 408 | 9 |
| 7/21/2012 3:55:15 AM | 0.28 | 227 | 408 | 9 |
| 7/21/2012 3:56:15 AM | 0.29 | 227 | 411 | 9 |
| 7/21/2012 3:57:15 AM | 0.28 | 227 | 413 | 9 |
| 7/21/2012 3:58:15 AM | 0.28 | 227 | 416 | 8 |
| 7/21/2012 3:59:15 AM | 0.28 | 227 | 418 | 8 |
| 7/21/2012 4:00:15 AM | 0.28 | 227 | 421 | 8 |
| 7/21/2012 4:01:15 AM | 0.28 | 228 | 422 | 8 |
| 7/21/2012 4:02:15 AM | 0.28 | 228 | 424 | 8 |
| 7/21/2012 4:03:15 AM | 0.28 | 228 | 424 | 8 |
| 7/21/2012 4:04:15 AM | 0.28 | 228 | 428 | 8 |
| 7/21/2012 4:05:15 AM | 0.28 | 228 | 429 | 8 |
| 7/21/2012 4:06:15 AM | 0.28 | 228 | 429 | 8 |
| 7/21/2012 4:07:15 AM | 0.28 | 228 | 430 | 8 |
| 7/21/2012 4:08:15 AM | 0.28 | 228 | 426 | 8 |
| 7/21/2012 4:09:15 AM | 0.28 | 228 | 423 | 8 |
| 7/21/2012 4:10:15 AM | 0.28 | 228 | 422 | 8 |
| 7/21/2012 4:11:15 AM | 0.28 | 228 | 421 | 8 |
| 7/21/2012 4:12:15 AM | 0.28 | 228 | 420 | 9 |
| 7/21/2012 4:13:15 AM | 0.28 | 229 | 421 | 9 |
| 7/21/2012 4:14:15 AM | 0.28 | 229 | 421 | 9 |
| 7/21/2012 4:15:15 AM | 0.28 | 229 | 422 | 9 |
| 7/21/2012 4:16:15 AM | 0.28 | 229 | 427 | 8 |
| 7/21/2012 4:17:15 AM | 0.28 | 229 | 426 | 8 |
| 7/21/2012 4:18:15 AM | 0.28 | 230 | 426 | 9 |
| 7/21/2012 4:19:15 AM | 0.28 | 230 | 428 | 9 |
| 7/21/2012 4:20:15 AM | 0.28 | 229 | 425 | 9 |
| 7/21/2012 4:21:15 AM | 0.28 | 229 | 422 | 9 |
| 7/21/2012 4:22:15 AM | 0.28 | 228 | 422 | 9 |
| 7/21/2012 4:23:15 AM | 0.28 | 228 | 422 | 9 |
| 7/21/2012 4:24:15 AM | 0.28 | 228 | 420 | 9 |
| 7/21/2012 4:25:15 AM | 0.28 | 228 | 420 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 4:26:15 AM | 0.28 | 229 | 417 | 9 |
| 7/21/2012 4:27:15 AM | 0.28 | 229 | 415 | 9 |
| 7/21/2012 4:28:15 AM | 0.28 | 229 | 418 | 9 |
| 7/21/2012 4:29:15 AM | 0.28 | 229 | 418 | 9 |
| 7/21/2012 4:30:15 AM | 0.28 | 228 | 417 | 9 |
| 7/21/2012 4:31:15 AM | 0.28 | 228 | 414 | 9 |
| 7/21/2012 4:32:15 AM | 0.28 | 227 | 413 | 9 |
| 7/21/2012 4:33:15 AM | 0.28 | 228 | 413 | 9 |
| 7/21/2012 4:34:15 AM | 0.28 | 228 | 413 | 9 |
| 7/21/2012 4:35:15 AM | 0.28 | 228 | 415 | 9 |
| 7/21/2012 4:36:15 AM | 0.28 | 227 | 414 | 9 |
| 7/21/2012 4:37:15 AM | 0.28 | 227 | 417 | 9 |
| 7/21/2012 4:38:15 AM | 0.28 | 227 | 417 | 9 |
| 7/21/2012 4:39:15 AM | 0.28 | 227 | 414 | 9 |
| 7/21/2012 4:40:15 AM | 0.28 | 227 | 415 | 9 |
| 7/21/2012 4:41:15 AM | 0.28 | 226 | 416 | 9 |
| 7/21/2012 4:42:15 AM | 0.28 | 226 | 412 | 9 |
| 7/21/2012 4:43:15 AM | 0.28 | 225 | 416 | 9 |
| 7/21/2012 4:44:15 AM | 0.28 | 225 | 417 | 9 |
| 7/21/2012 4:45:15 AM | 0.28 | 225 | 418 | 9 |
| 7/21/2012 4:46:15 AM | 0.28 | 225 | 422 | 8 |
| 7/21/2012 4:47:15 AM | 0.28 | 225 | 421 | 8 |
| 7/21/2012 4:48:15 AM | 0.28 | 225 | 422 | 9 |
| 7/21/2012 4:49:15 AM | 0.28 | 226 | 425 | 9 |
| 7/21/2012 4:50:15 AM | 0.28 | 226 | 425 | 9 |
| 7/21/2012 4:51:15 AM | 0.28 | 226 | 426 | 9 |
| 7/21/2012 4:52:15 AM | 0.28 | 226 | 428 | 8 |
| 7/21/2012 4:53:15 AM | 0.28 | 226 | 429 | 8 |
| 7/21/2012 4:54:15 AM | 0.28 | 226 | 428 | 9 |
| 7/21/2012 4:55:15 AM | 0.28 | 226 | 427 | 9 |
| 7/21/2012 4:56:15 AM | 0.28 | 226 | 427 | 9 |
| 7/21/2012 4:57:15 AM | 0.28 | 226 | 426 | 9 |
| 7/21/2012 4:58:15 AM | 0.28 | 227 | 427 | 9 |
| 7/21/2012 4:59:15 AM | 0.28 | 228 | 427 | 9 |
| 7/21/2012 5:00:15 AM | 0.28 | 227 | 427 | 9 |
| 7/21/2012 5:01:15 AM | 0.28 | 228 | 427 | 8 |
| 7/21/2012 5:02:15 AM | 0.28 | 227 | 427 | 8 |
| 7/21/2012 5:03:15 AM | 0.28 | 226 | 427 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 5:04:15 AM | 0.28 | 226 | 426 | 8 |
| 7/21/2012 5:05:15 AM | 0.28 | 225 | 423 | 8 |
| 7/21/2012 5:06:15 AM | 0.28 | 226 | 422 | 9 |
| 7/21/2012 5:07:15 AM | 0.28 | 225 | 420 | 9 |
| 7/21/2012 5:08:15 AM | 0.28 | 225 | 416 | 9 |
| 7/21/2012 5:09:15 AM | 0.28 | 225 | 415 | 9 |
| 7/21/2012 5:10:15 AM | 0.29 | 226 | 412 | 8 |
| 7/21/2012 5:11:15 AM | 0.29 | 226 | 411 | 8 |
| 7/21/2012 5:12:15 AM | 0.28 | 227 | 408 | 9 |
| 7/21/2012 5:13:15 AM | 0.28 | 227 | 407 | 9 |
| 7/21/2012 5:14:15 AM | 0.28 | 227 | 407 | 9 |
| 7/21/2012 5:15:15 AM | 0.29 | 227 | 405 | 9 |
| 7/21/2012 5:16:15 AM | 0.28 | 228 | 405 | 9 |
| 7/21/2012 5:17:15 AM | 0.28 | 227 | 404 | 9 |
| 7/21/2012 5:18:15 AM | 0.28 | 227 | 402 | 9 |
| 7/21/2012 5:19:15 AM | 0.28 | 226 | 401 | 9 |
| 7/21/2012 5:20:15 AM | 0.28 | 227 | 401 | 9 |
| 7/21/2012 5:21:15 AM | 0.28 | 226 | 399 | 9 |
| 7/21/2012 5:22:15 AM | 0.28 | 226 | 400 | 9 |
| 7/21/2012 5:23:15 AM | 0.28 | 227 | 400 | 9 |
| 7/21/2012 5:24:15 AM | 0.28 | 227 | 399 | 9 |
| 7/21/2012 5:25:15 AM | 0.28 | 227 | 400 | 9 |
| 7/21/2012 5:26:15 AM | 0.28 | 226 | 402 | 9 |
| 7/21/2012 5:27:15 AM | 0.28 | 226 | 404 | 9 |
| 7/21/2012 5:28:15 AM | 0.28 | 227 | 406 | 8 |
| 7/21/2012 5:29:15 AM | 0.28 | 227 | 406 | 8 |
| 7/21/2012 5:30:15 AM | 0.29 | 226 | 408 | 8 |
| 7/21/2012 5:31:15 AM | 0.28 | 227 | 412 | 8 |
| 7/21/2012 5:32:15 AM | 0.28 | 227 | 412 | 8 |
| 7/21/2012 5:33:15 AM | 0.29 | 226 | 413 | 9 |
| 7/21/2012 5:34:15 AM | 0.28 | 226 | 413 | 9 |
| 7/21/2012 5:35:15 AM | 0.28 | 226 | 412 | 9 |
| 7/21/2012 5:36:15 AM | 0.28 | 226 | 412 | 9 |
| 7/21/2012 5:37:15 AM | 0.29 | 226 | 414 | 9 |
| 7/21/2012 5:38:15 AM | 0.28 | 226 | 416 | 9 |
| 7/21/2012 5:39:15 AM | 0.28 | 225 | 417 | 9 |
| 7/21/2012 5:40:15 AM | 0.29 | 224 | 421 | 8 |
| 7/21/2012 5:41:15 AM | 0.29 | 224 | 423 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 5:42:15 AM | 0.29 | 224 | 426 | 9 |
| 7/21/2012 5:43:15 AM | 0.28 | 225 | 427 | 9 |
| 7/21/2012 5:44:15 AM | 0.28 | 226 | 427 | 9 |
| 7/21/2012 5:45:15 AM | 0.28 | 227 | 428 | 9 |
| 7/21/2012 5:46:15 AM | 0.28 | 228 | 428 | 8 |
| 7/21/2012 5:47:15 AM | 0.28 | 227 | 430 | 8 |
| 7/21/2012 5:48:15 AM | 0.28 | 228 | 435 | 9 |
| 7/21/2012 5:49:15 AM | 0.28 | 228 | 436 | 9 |
| 7/21/2012 5:50:15 AM | 0.28 | 229 | 432 | 9 |
| 7/21/2012 5:51:15 AM | 0.28 | 230 | 427 | 9 |
| 7/21/2012 5:52:15 AM | 0.28 | 231 | 425 | 8 |
| 7/21/2012 5:53:15 AM | 0.28 | 231 | 426 | 8 |
| 7/21/2012 5:54:15 AM | 0.28 | 231 | 428 | 9 |
| 7/21/2012 5:55:15 AM | 0.28 | 231 | 428 | 9 |
| 7/21/2012 5:56:15 AM | 0.28 | 231 | 429 | 9 |
| 7/21/2012 5:57:15 AM | 0.28 | 231 | 427 | 9 |
| 7/21/2012 5:58:15 AM | 0.29 | 230 | 423 | 9 |
| 7/21/2012 5:59:15 AM | 0.29 | 230 | 419 | 9 |
| 7/21/2012 6:00:15 AM | 0.28 | 230 | 415 | 9 |
| 7/21/2012 6:01:15 AM | 0.28 | 230 | 413 | 9 |
| 7/21/2012 6:02:15 AM | 0.28 | 231 | 411 | 9 |
| 7/21/2012 6:03:15 AM | 0.28 | 231 | 412 | 10 |
| 7/21/2012 6:04:15 AM | 0.28 | 231 | 412 | 10 |
| 7/21/2012 6:05:15 AM | 0.28 | 231 | 412 | 10 |
| 7/21/2012 6:06:15 AM | 0.28 | 232 | 410 | 10 |
| 7/21/2012 6:07:15 AM | 0.28 | 232 | 413 | 9 |
| 7/21/2012 6:08:15 AM | 0.28 | 232 | 416 | 9 |
| 7/21/2012 6:09:15 AM | 0.28 | 233 | 417 | 9 |
| 7/21/2012 6:10:15 AM | 0.28 | 233 | 418 | 8 |
| 7/21/2012 6:11:15 AM | 0.29 | 232 | 420 | 8 |
| 7/21/2012 6:12:15 AM | 0.29 | 232 | 414 | 9 |
| 7/21/2012 6:13:15 AM | 0.28 | 230 | 412 | 9 |
| 7/21/2012 6:14:15 AM | 0.28 | 230 | 412 | 9 |
| 7/21/2012 6:15:15 AM | 0.29 | 229 | 408 | 10 |
| 7/21/2012 6:16:15 AM | 0.29 | 230 | 407 | 10 |
| 7/21/2012 6:17:15 AM | 0.28 | 229 | 407 | 10 |
| 7/21/2012 6:18:15 AM | 0.28 | 229 | 409 | 10 |
| 7/21/2012 6:19:15 AM | 0.29 | 229 | 408 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 6:20:15 AM | 0.28 | 229 | 408 | 8 |
| 7/21/2012 6:21:15 AM | 0.28 | 229 | 407 | 9 |
| 7/21/2012 6:22:15 AM | 0.28 | 229 | 406 | 9 |
| 7/21/2012 6:23:15 AM | 0.28 | 229 | 407 | 9 |
| 7/21/2012 6:24:15 AM | 0.28 | 229 | 409 | 9 |
| 7/21/2012 6:25:15 AM | 0.28 | 230 | 412 | 9 |
| 7/21/2012 6:26:15 AM | 0.28 | 230 | 413 | 9 |
| 7/21/2012 6:27:15 AM | 0.28 | 231 | 411 | 9 |
| 7/21/2012 6:28:15 AM | 0.28 | 232 | 413 | 9 |
| 7/21/2012 6:29:15 AM | 0.28 | 233 | 418 | 9 |
| 7/21/2012 6:30:15 AM | 0.28 | 233 | 417 | 9 |
| 7/21/2012 6:31:15 AM | 0.28 | 233 | 417 | 9 |
| 7/21/2012 6:32:15 AM | 0.28 | 233 | 414 | 9 |
| 7/21/2012 6:33:15 AM | 0.28 | 233 | 410 | 9 |
| 7/21/2012 6:34:15 AM | 0.28 | 233 | 407 | 8 |
| 7/21/2012 6:35:15 AM | 0.28 | 232 | 407 | 8 |
| 7/21/2012 6:36:15 AM | 0.28 | 232 | 405 | 8 |
| 7/21/2012 6:37:15 AM | 0.28 | 232 | 405 | 8 |
| 7/21/2012 6:38:15 AM | 0.28 | 232 | 403 | 8 |
| 7/21/2012 6:39:15 AM | 0.28 | 232 | 404 | 9 |
| 7/21/2012 6:40:15 AM | 0.28 | 233 | 404 | 9 |
| 7/21/2012 6:41:15 AM | 0.28 | 232 | 403 | 9 |
| 7/21/2012 6:42:15 AM | 0.28 | 232 | 406 | 9 |
| 7/21/2012 6:43:15 AM | 0.28 | 232 | 406 | 9 |
| 7/21/2012 6:44:15 AM | 0.28 | 233 | 412 | 9 |
| 7/21/2012 6:45:15 AM | 0.28 | 233 | 414 | 9 |
| 7/21/2012 6:46:15 AM | 0.28 | 234 | 417 | 9 |
| 7/21/2012 6:47:15 AM | 0.28 | 234 | 421 | 9 |
| 7/21/2012 6:48:15 AM | 0.28 | 234 | 421 | 9 |
| 7/21/2012 6:49:15 AM | 0.28 | 234 | 422 | 9 |
| 7/21/2012 6:50:15 AM | 0.29 | 233 | 424 | 9 |
| 7/21/2012 6:51:15 AM | 0.28 | 233 | 423 | 9 |
| 7/21/2012 6:52:15 AM | 0.29 | 233 | 422 | 8 |
| 7/21/2012 6:53:15 AM | 0.28 | 233 | 423 | 8 |
| 7/21/2012 6:54:15 AM | 0.28 | 233 | 424 | 9 |
| 7/21/2012 6:55:15 AM | 0.28 | 234 | 423 | 9 |
| 7/21/2012 6:56:15 AM | 0.28 | 234 | 424 | 9 |
| 7/21/2012 6:57:15 AM | 0.29 | 233 | 424 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 6:58:15 AM | 0.28 | 232 | 425 | 9 |
| 7/21/2012 6:59:15 AM | 0.28 | 232 | 421 | 9 |
| 7/21/2012 7:00:15 AM | 0.28 | 233 | 421 | 9 |
| 7/21/2012 7:01:15 AM | 0.28 | 233 | 420 | 8 |
| 7/21/2012 7:02:15 AM | 0.28 | 232 | 422 | 8 |
| 7/21/2012 7:03:15 AM | 0.28 | 233 | 424 | 9 |
| 7/21/2012 7:04:15 AM | 0.28 | 233 | 424 | 9 |
| 7/21/2012 7:05:15 AM | 0.28 | 234 | 423 | 9 |
| 7/21/2012 7:06:15 AM | 0.28 | 234 | 424 | 9 |
| 7/21/2012 7:07:15 AM | 0.28 | 234 | 427 | 9 |
| 7/21/2012 7:08:15 AM | 0.28 | 235 | 430 | 9 |
| 7/21/2012 7:09:15 AM | 0.28 | 234 | 433 | 9 |
| 7/21/2012 7:10:15 AM | 0.29 | 233 | 437 | 9 |
| 7/21/2012 7:11:15 AM | 0.28 | 234 | 434 | 9 |
| 7/21/2012 7:12:15 AM | 0.28 | 234 | 431 | 9 |
| 7/21/2012 7:13:15 AM | 0.28 | 233 | 430 | 8 |
| 7/21/2012 7:14:15 AM | 0.28 | 232 | 427 | 8 |
| 7/21/2012 7:15:15 AM | 0.28 | 232 | 424 | 8 |
| 7/21/2012 7:16:15 AM | 0.28 | 232 | 424 | 8 |
| 7/21/2012 7:17:15 AM | 0.28 | 232 | 422 | 8 |
| 7/21/2012 7:18:15 AM | 0.28 | 232 | 422 | 8 |
| 7/21/2012 7:19:15 AM | 0.29 | 231 | 422 | 8 |
| 7/21/2012 7:20:15 AM | 0.28 | 231 | 420 | 8 |
| 7/21/2012 7:21:15 AM | 0.29 | 231 | 417 | 8 |
| 7/21/2012 7:22:15 AM | 0.28 | 232 | 418 | 8 |
| 7/21/2012 7:23:15 AM | 0.29 | 231 | 419 | 8 |
| 7/21/2012 7:24:15 AM | 0.28 | 233 | 420 | 8 |
| 7/21/2012 7:25:15 AM | 0.29 | 233 | 421 | 8 |
| 7/21/2012 7:26:15 AM | 0.28 | 233 | 423 | 8 |
| 7/21/2012 7:27:15 AM | 0.28 | 233 | 422 | 8 |
| 7/21/2012 7:28:15 AM | 0.29 | 233 | 424 | 7 |
| 7/21/2012 7:29:15 AM | 0.29 | 234 | 424 | 7 |
| 7/21/2012 7:30:15 AM | 0.28 | 234 | 425 | 8 |
| 7/21/2012 7:31:15 AM | 0.28 | 234 | 428 | 8 |
| 7/21/2012 7:32:15 AM | 0.29 | 235 | 429 | 8 |
| 7/21/2012 7:33:15 AM | 0.28 | 236 | 430 | 8 |
| 7/21/2012 7:34:15 AM | 0.28 | 236 | 432 | 8 |
| 7/21/2012 7:35:15 AM | 0.28 | 236 | 434 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 7:36:15 AM | 0.28 | 236 | 436 | 8 |
| 7/21/2012 7:37:15 AM | 0.28 | 235 | 437 | 8 |
| 7/21/2012 7:38:15 AM | 0.28 | 235 | 437 | 8 |
| 7/21/2012 7:39:15 AM | 0.28 | 234 | 437 | 8 |
| 7/21/2012 7:40:15 AM | 0.29 | 234 | 437 | 8 |
| 7/21/2012 7:41:15 AM | 0.28 | 234 | 440 | 8 |
| 7/21/2012 7:42:15 AM | 0.28 | 234 | 442 | 8 |
| 7/21/2012 7:43:15 AM | 0.28 | 235 | 445 | 8 |
| 7/21/2012 7:44:15 AM | 0.28 | 236 | 448 | 8 |
| 7/21/2012 7:45:15 AM | 0.28 | 236 | 453 | 8 |
| 7/21/2012 7:46:15 AM | 0.28 | 235 | 452 | 8 |
| 7/21/2012 7:47:15 AM | 0.28 | 235 | 452 | 8 |
| 7/21/2012 7:48:15 AM | 0.29 | 236 | 449 | 8 |
| 7/21/2012 7:49:15 AM | 0.28 | 235 | 451 | 8 |
| 7/21/2012 7:50:15 AM | 0.28 | 234 | 454 | 8 |
| 7/21/2012 7:51:15 AM | 0.28 | 235 | 459 | 8 |
| 7/21/2012 7:52:15 AM | 0.28 | 235 | 462 | 8 |
| 7/21/2012 7:53:15 AM | 0.29 | 235 | 464 | 8 |
| 7/21/2012 7:54:15 AM | 0.28 | 234 | 467 | 8 |
| 7/21/2012 7:55:15 AM | 0.28 | 234 | 468 | 8 |
| 7/21/2012 7:56:15 AM | 0.29 | 235 | 469 | 8 |
| 7/21/2012 7:57:15 AM | 0.28 | 234 | 468 | 8 |
| 7/21/2012 7:58:15 AM | 0.28 | 234 | 469 | 8 |
| 7/21/2012 7:59:15 AM | 0.28 | 234 | 469 | 8 |
| 7/21/2012 8:00:15 AM | 0.29 | 234 | 463 | 8 |
| 7/21/2012 8:01:15 AM | 0.29 | 235 | 462 | 8 |
| 7/21/2012 8:02:15 AM | 0.28 | 234 | 462 | 8 |
| 7/21/2012 8:03:15 AM | 0.28 | 234 | 462 | 8 |
| 7/21/2012 8:04:15 AM | 0.28 | 235 | 462 | 8 |
| 7/21/2012 8:05:15 AM | 0.28 | 234 | 461 | 8 |
| 7/21/2012 8:06:15 AM | 0.28 | 234 | 459 | 8 |
| 7/21/2012 8:07:15 AM | 0.28 | 234 | 457 | 8 |
| 7/21/2012 8:08:15 AM | 0.28 | 235 | 457 | 8 |
| 7/21/2012 8:09:15 AM | 0.28 | 235 | 456 | 8 |
| 7/21/2012 8:10:15 AM | 0.28 | 235 | 456 | 8 |
| 7/21/2012 8:11:15 AM | 0.28 | 235 | 457 | 8 |
| 7/21/2012 8:12:15 AM | 0.28 | 235 | 457 | 8 |
| 7/21/2012 8:13:15 AM | 0.28 | 235 | 457 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 8:14:15 AM | 0.28 | 234 | 455 | 8 |
| 7/21/2012 8:15:15 AM | 0.28 | 235 | 453 | 8 |
| 7/21/2012 8:16:15 AM | 0.28 | 235 | 456 | 8 |
| 7/21/2012 8:17:15 AM | 0.28 | 235 | 456 | 8 |
| 7/21/2012 8:18:15 AM | 0.28 | 234 | 453 | 8 |
| 7/21/2012 8:19:15 AM | 0.28 | 234 | 453 | 8 |
| 7/21/2012 8:20:15 AM | 0.28 | 234 | 452 | 8 |
| 7/21/2012 8:21:15 AM | 0.28 | 234 | 452 | 8 |
| 7/21/2012 8:22:15 AM | 0.28 | 234 | 454 | 8 |
| 7/21/2012 8:23:15 AM | 0.28 | 235 | 453 | 8 |
| 7/21/2012 8:24:15 AM | 0.28 | 235 | 453 | 8 |
| 7/21/2012 8:25:15 AM | 0.28 | 235 | 457 | 8 |
| 7/21/2012 8:26:15 AM | 0.29 | 235 | 457 | 8 |
| 7/21/2012 8:27:15 AM | 0.29 | 236 | 457 | 8 |
| 7/21/2012 8:28:15 AM | 0.28 | 236 | 458 | 8 |
| 7/21/2012 8:29:15 AM | 0.28 | 236 | 456 | 8 |
| 7/21/2012 8:30:15 AM | 0.28 | 235 | 456 | 8 |
| 7/21/2012 8:31:15 AM | 0.28 | 236 | 457 | 8 |
| 7/21/2012 8:32:15 AM | 0.28 | 236 | 457 | 8 |
| 7/21/2012 8:33:15 AM | 0.28 | 235 | 456 | 8 |
| 7/21/2012 8:34:15 AM | 0.29 | 236 | 456 | 8 |
| 7/21/2012 8:35:15 AM | 0.29 | 236 | 457 | 8 |
| 7/21/2012 8:36:15 AM | 0.28 | 236 | 454 | 8 |
| 7/21/2012 8:37:15 AM | 0.28 | 236 | 456 | 8 |
| 7/21/2012 8:38:15 AM | 0.28 | 236 | 457 | 8 |
| 7/21/2012 8:39:15 AM | 0.28 | 236 | 454 | 8 |
| 7/21/2012 8:40:15 AM | 0.29 | 236 | 456 | 8 |
| 7/21/2012 8:41:15 AM | 0.28 | 235 | 455 | 8 |
| 7/21/2012 8:42:15 AM | 0.28 | 234 | 453 | 8 |
| 7/21/2012 8:43:15 AM | 0.29 | 234 | 453 | 8 |
| 7/21/2012 8:44:15 AM | 0.28 | 235 | 452 | 8 |
| 7/21/2012 8:45:15 AM | Start Calibration | | | |
| 7/21/2012 8:46:15 AM | | | | |
| 7/21/2012 8:47:15 AM | | | | |
| 7/21/2012 8:48:15 AM | | | | |
| 7/21/2012 8:49:15 AM | | | | |
| 7/21/2012 8:50:15 AM | | | | |
| 7/21/2012 8:51:15 AM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 8:52:15 AM | | | | |
| 7/21/2012 8:53:15 AM | | | | |
| 7/21/2012 8:54:15 AM | | | | |
| 7/21/2012 8:55:15 AM | | | | |
| 7/21/2012 8:56:15 AM | | | | |
| 7/21/2012 8:57:15 AM | | | | |
| 7/21/2012 8:58:15 AM | | | | |
| 7/21/2012 8:59:15 AM | | | | |
| 7/21/2012 9:00:15 AM | | | | |
| 7/21/2012 9:01:15 AM | | | | |
| 7/21/2012 9:02:15 AM | | | | |
| 7/21/2012 9:03:15 AM | | | | |
| 7/21/2012 9:04:15 AM | | | | |
| 7/21/2012 9:05:15 AM | | | | |
| 7/21/2012 9:06:15 AM | | | | |
| 7/21/2012 9:07:15 AM | | | | |
| 7/21/2012 9:08:15 AM | | | | |
| 7/21/2012 9:09:15 AM | | | | |
| 7/21/2012 9:10:15 AM | | | | |
| 7/21/2012 9:11:15 AM | | | | |
| 7/21/2012 9:12:15 AM | | | | |
| 7/21/2012 9:13:15 AM | | | | |
| 7/21/2012 9:14:15 AM | | | | |
| 7/21/2012 9:15:15 AM | | | | |
| 7/21/2012 9:16:15 AM | | | | |
| 7/21/2012 9:17:15 AM | | | | |
| 7/21/2012 9:18:15 AM | | | | |
| 7/21/2012 9:19:15 AM | | | | |
| 7/21/2012 9:20:15 AM | | | | |
| 7/21/2012 9:21:15 AM | | | | |
| 7/21/2012 9:22:15 AM | | | | |
| 7/21/2012 9:23:15 AM | | | | |
| 7/21/2012 9:24:15 AM | | | | |
| 7/21/2012 9:25:15 AM | | | | |
| 7/21/2012 9:26:15 AM | | | | |
| 7/21/2012 9:27:15 AM | | | | |
| 7/21/2012 9:28:15 AM | | | | |
| 7/21/2012 9:29:15 AM | End Calibration | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 9:30:15 AM | 0.28 | 233 | 359 | 9 |
| 7/21/2012 9:31:15 AM | 0.29 | 234 | 366 | 9 |
| 7/21/2012 9:32:15 AM | 0.28 | 234 | 372 | 9 |
| 7/21/2012 9:33:15 AM | 0.28 | 235 | 375 | 9 |
| 7/21/2012 9:34:15 AM | 0.28 | 236 | 381 | 8 |
| 7/21/2012 9:35:15 AM | 0.28 | 235 | 386 | 8 |
| 7/21/2012 9:36:15 AM | 0.28 | 235 | 387 | 9 |
| 7/21/2012 9:37:15 AM | 0.28 | 235 | 391 | 9 |
| 7/21/2012 9:38:15 AM | 0.28 | 236 | 393 | 9 |
| 7/21/2012 9:39:15 AM | 0.28 | 235 | 395 | 9 |
| 7/21/2012 9:40:15 AM | 0.28 | 235 | 397 | 9 |
| 7/21/2012 9:41:15 AM | 0.28 | 235 | 398 | 9 |
| 7/21/2012 9:42:15 AM | 0.29 | 236 | 399 | 9 |
| 7/21/2012 9:43:15 AM | 0.28 | 235 | 399 | 8 |
| 7/21/2012 9:44:15 AM | 0.28 | 234 | 399 | 8 |
| 7/21/2012 9:45:15 AM | 0.28 | 235 | 399 | 9 |
| 7/21/2012 9:46:15 AM | 0.28 | 236 | 400 | 9 |
| 7/21/2012 9:47:15 AM | 0.28 | 236 | 402 | 9 |
| 7/21/2012 9:48:15 AM | 0.28 | 237 | 403 | 9 |
| 7/21/2012 9:49:15 AM | 0.28 | 236 | 404 | 8 |
| 7/21/2012 9:50:15 AM | 0.28 | 236 | 404 | 8 |
| 7/21/2012 9:51:15 AM | 0.28 | 237 | 404 | 8 |
| 7/21/2012 9:52:15 AM | 0.29 | 237 | 403 | 8 |
| 7/21/2012 9:53:15 AM | 0.28 | 236 | 402 | 8 |
| 7/21/2012 9:54:15 AM | 0.28 | 235 | 406 | 8 |
| 7/21/2012 9:55:15 AM | 0.28 | 234 | 408 | 8 |
| 7/21/2012 9:56:15 AM | 0.28 | 235 | 410 | 8 |
| 7/21/2012 9:57:15 AM | 0.28 | 236 | 412 | 8 |
| 7/21/2012 9:58:15 AM | 0.28 | 235 | 413 | 8 |
| 7/21/2012 9:59:15 AM | 0.28 | 235 | 414 | 8 |
| 7/21/2012 10:00:15 AM | 0.28 | 236 | 414 | 9 |
| 7/21/2012 10:01:15 AM | 0.28 | 235 | 413 | 9 |
| 7/21/2012 10:02:15 AM | 0.28 | 236 | 417 | 9 |
| 7/21/2012 10:03:15 AM | 0.28 | 237 | 418 | 9 |
| 7/21/2012 10:04:15 AM | 0.28 | 238 | 416 | 9 |
| 7/21/2012 10:05:15 AM | 0.28 | 235 | 417 | 9 |
| 7/21/2012 10:06:15 AM | 0.28 | 234 | 414 | 9 |
| 7/21/2012 10:07:15 AM | 0.28 | 233 | 412 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 10:08:15 AM | 0.28 | 233 | 412 | 8 |
| 7/21/2012 10:09:15 AM | 0.28 | 233 | 411 | 8 |
| 7/21/2012 10:10:15 AM | 0.28 | 234 | 412 | 8 |
| 7/21/2012 10:11:15 AM | 0.28 | 235 | 416 | 8 |
| 7/21/2012 10:12:15 AM | 0.27 | 235 | 415 | 8 |
| 7/21/2012 10:13:15 AM | 0.28 | 235 | 415 | 8 |
| 7/21/2012 10:14:15 AM | 0.28 | 235 | 417 | 8 |
| 7/21/2012 10:15:15 AM | 0.28 | 235 | 420 | 8 |
| 7/21/2012 10:16:15 AM | 0.28 | 236 | 422 | 8 |
| 7/21/2012 10:17:15 AM | 0.28 | 235 | 422 | 8 |
| 7/21/2012 10:18:15 AM | 0.28 | 234 | 422 | 8 |
| 7/21/2012 10:19:15 AM | 0.28 | 235 | 420 | 8 |
| 7/21/2012 10:20:15 AM | 0.28 | 235 | 419 | 8 |
| 7/21/2012 10:21:15 AM | 0.28 | 235 | 420 | 8 |
| 7/21/2012 10:22:15 AM | 0.28 | 234 | 421 | 8 |
| 7/21/2012 10:23:15 AM | 0.28 | 235 | 418 | 8 |
| 7/21/2012 10:24:15 AM | 0.28 | 235 | 417 | 8 |
| 7/21/2012 10:25:15 AM | 0.28 | 235 | 417 | 8 |
| 7/21/2012 10:26:15 AM | 0.28 | 236 | 417 | 8 |
| 7/21/2012 10:27:15 AM | 0.28 | 236 | 419 | 8 |
| 7/21/2012 10:28:15 AM | 0.28 | 235 | 420 | 8 |
| 7/21/2012 10:29:15 AM | 0.28 | 235 | 418 | 8 |
| 7/21/2012 10:30:15 AM | 0.28 | 234 | 416 | 8 |
| 7/21/2012 10:31:15 AM | 0.27 | 234 | 415 | 7 |
| 7/21/2012 10:32:15 AM | 0.28 | 235 | 416 | 7 |
| 7/21/2012 10:33:15 AM | 0.28 | 235 | 417 | 8 |
| 7/21/2012 10:34:15 AM | 0.28 | 235 | 417 | 8 |
| 7/21/2012 10:35:15 AM | 0.28 | 235 | 414 | 8 |
| 7/21/2012 10:36:15 AM | 0.28 | 235 | 413 | 8 |
| 7/21/2012 10:37:15 AM | 0.28 | 235 | 417 | 8 |
| 7/21/2012 10:38:15 AM | 0.28 | 234 | 416 | 8 |
| 7/21/2012 10:39:15 AM | 0.28 | 233 | 414 | 8 |
| 7/21/2012 10:40:15 AM | 0.28 | 234 | 416 | 8 |
| 7/21/2012 10:41:15 AM | 0.28 | 234 | 414 | 8 |
| 7/21/2012 10:42:15 AM | 0.28 | 235 | 412 | 8 |
| 7/21/2012 10:43:15 AM | 0.28 | 235 | 412 | 8 |
| 7/21/2012 10:44:15 AM | 0.28 | 235 | 411 | 8 |
| 7/21/2012 10:45:15 AM | 0.28 | 234 | 411 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 10:46:15 AM | 0.28 | 234 | 412 | 8 |
| 7/21/2012 10:47:15 AM | 0.28 | 234 | 412 | 8 |
| 7/21/2012 10:48:15 AM | 0.28 | 234 | 415 | 8 |
| 7/21/2012 10:49:15 AM | 0.28 | 234 | 416 | 8 |
| 7/21/2012 10:50:15 AM | 0.28 | 234 | 415 | 8 |
| 7/21/2012 10:51:15 AM | 0.28 | 233 | 413 | 8 |
| 7/21/2012 10:52:15 AM | 0.28 | 231 | 411 | 8 |
| 7/21/2012 10:53:15 AM | 0.28 | 232 | 410 | 8 |
| 7/21/2012 10:54:15 AM | 0.28 | 233 | 411 | 8 |
| 7/21/2012 10:55:15 AM | 0.28 | 233 | 412 | 7 |
| 7/21/2012 10:56:15 AM | 0.27 | 233 | 415 | 7 |
| 7/21/2012 10:57:15 AM | 0.28 | 235 | 416 | 8 |
| 7/21/2012 10:58:15 AM | 0.27 | 235 | 416 | 8 |
| 7/21/2012 10:59:15 AM | 0.28 | 236 | 418 | 8 |
| 7/21/2012 11:00:15 AM | 0.28 | 236 | 421 | 8 |
| 7/21/2012 11:01:15 AM | 0.28 | 236 | 422 | 7 |
| 7/21/2012 11:02:15 AM | 0.28 | 236 | 423 | 7 |
| 7/21/2012 11:03:15 AM | 0.28 | 236 | 421 | 7 |
| 7/21/2012 11:04:15 AM | 0.28 | 237 | 422 | 7 |
| 7/21/2012 11:05:15 AM | 0.28 | 237 | 425 | 7 |
| 7/21/2012 11:06:15 AM | 0.28 | 237 | 425 | 7 |
| 7/21/2012 11:07:15 AM | 0.28 | 237 | 426 | 7 |
| 7/21/2012 11:08:15 AM | 0.27 | 237 | 422 | 7 |
| 7/21/2012 11:09:15 AM | 0.28 | 237 | 420 | 8 |
| 7/21/2012 11:10:15 AM | 0.27 | 237 | 421 | 8 |
| 7/21/2012 11:11:15 AM | 0.27 | 238 | 420 | 8 |
| 7/21/2012 11:12:15 AM | 0.27 | 239 | 423 | 8 |
| 7/21/2012 11:13:15 AM | 0.27 | 239 | 425 | 8 |
| 7/21/2012 11:14:15 AM | 0.28 | 239 | 423 | 8 |
| 7/21/2012 11:15:15 AM | 0.28 | 238 | 421 | 8 |
| 7/21/2012 11:16:15 AM | 0.28 | 236 | 415 | 8 |
| 7/21/2012 11:17:15 AM | 0.27 | 236 | 414 | 8 |
| 7/21/2012 11:18:15 AM | 0.27 | 236 | 416 | 8 |
| 7/21/2012 11:19:15 AM | 0.27 | 236 | 414 | 7 |
| 7/21/2012 11:20:15 AM | 0.27 | 236 | 412 | 7 |
| 7/21/2012 11:21:15 AM | 0.27 | 235 | 413 | 7 |
| 7/21/2012 11:22:15 AM | 0.28 | 236 | 413 | 7 |
| 7/21/2012 11:23:15 AM | 0.27 | 237 | 413 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 11:24:15 AM | 0.27 | 237 | 413 | 7 |
| 7/21/2012 11:25:15 AM | 0.27 | 237 | 416 | 7 |
| 7/21/2012 11:26:15 AM | 0.27 | 237 | 412 | 7 |
| 7/21/2012 11:27:15 AM | 0.27 | 237 | 411 | 8 |
| 7/21/2012 11:28:15 AM | 0.27 | 237 | 413 | 8 |
| 7/21/2012 11:29:15 AM | 0.27 | 237 | 413 | 8 |
| 7/21/2012 11:30:15 AM | 0.28 | 237 | 413 | 8 |
| 7/21/2012 11:31:15 AM | 0.27 | 237 | 412 | 8 |
| 7/21/2012 11:32:15 AM | 0.27 | 237 | 413 | 8 |
| 7/21/2012 11:33:15 AM | 0.28 | 237 | 414 | 8 |
| 7/21/2012 11:34:15 AM | 0.28 | 238 | 415 | 7 |
| 7/21/2012 11:35:15 AM | 0.27 | 238 | 413 | 7 |
| 7/21/2012 11:36:15 AM | 0.28 | 237 | 413 | 7 |
| 7/21/2012 11:37:15 AM | 0.28 | 238 | 417 | 7 |
| 7/21/2012 11:38:15 AM | 0.28 | 237 | 417 | 7 |
| 7/21/2012 11:39:15 AM | 0.28 | 237 | 414 | 8 |
| 7/21/2012 11:40:15 AM | 0.27 | 237 | 411 | 8 |
| 7/21/2012 11:41:15 AM | 0.28 | 237 | 411 | 8 |
| 7/21/2012 11:42:15 AM | 0.28 | 236 | 408 | 8 |
| 7/21/2012 11:43:15 AM | 0.28 | 235 | 407 | 7 |
| 7/21/2012 11:44:15 AM | 0.28 | 235 | 407 | 7 |
| 7/21/2012 11:45:15 AM | 0.28 | 235 | 407 | 7 |
| 7/21/2012 11:46:15 AM | 0.28 | 234 | 407 | 7 |
| 7/21/2012 11:47:15 AM | 0.28 | 235 | 408 | 7 |
| 7/21/2012 11:48:15 AM | 0.28 | 235 | 409 | 7 |
| 7/21/2012 11:49:15 AM | 0.28 | 235 | 408 | 7 |
| 7/21/2012 11:50:15 AM | 0.28 | 235 | 409 | 7 |
| 7/21/2012 11:51:15 AM | 0.28 | 234 | 408 | 7 |
| 7/21/2012 11:52:15 AM | 0.28 | 234 | 408 | 8 |
| 7/21/2012 11:53:15 AM | 0.28 | 234 | 408 | 8 |
| 7/21/2012 11:54:15 AM | 0.28 | 234 | 410 | 8 |
| 7/21/2012 11:55:15 AM | 0.28 | 234 | 411 | 7 |
| 7/21/2012 11:56:15 AM | 0.28 | 234 | 414 | 7 |
| 7/21/2012 11:57:15 AM | 0.28 | 234 | 416 | 7 |
| 7/21/2012 11:58:15 AM | 0.28 | 234 | 417 | 7 |
| 7/21/2012 11:59:15 AM | 0.28 | 235 | 417 | 7 |
| 7/21/2012 12:00:15 PM | 0.28 | 235 | 419 | 8 |
| 7/21/2012 12:01:15 PM | 0.28 | 235 | 418 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 12:02:15 PM | 0.28 | 234 | 418 | 8 |
| 7/21/2012 12:03:15 PM | 0.28 | 234 | 419 | 8 |
| 7/21/2012 12:04:15 PM | 0.28 | 234 | 417 | 7 |
| 7/21/2012 12:05:15 PM | 0.28 | 234 | 418 | 7 |
| 7/21/2012 12:06:15 PM | 0.28 | 235 | 421 | 7 |
| 7/21/2012 12:07:15 PM | 0.27 | 237 | 423 | 8 |
| 7/21/2012 12:08:15 PM | 0.28 | 239 | 428 | 8 |
| 7/21/2012 12:09:15 PM | 0.28 | 240 | 432 | 8 |
| 7/21/2012 12:10:15 PM | 0.27 | 240 | 436 | 7 |
| 7/21/2012 12:11:15 PM | 0.27 | 239 | 437 | 7 |
| 7/21/2012 12:12:15 PM | 0.27 | 239 | 436 | 7 |
| 7/21/2012 12:13:15 PM | 0.27 | 240 | 439 | 7 |
| 7/21/2012 12:14:15 PM | 0.27 | 240 | 442 | 7 |
| 7/21/2012 12:15:15 PM | 0.27 | 238 | 443 | 7 |
| 7/21/2012 12:16:15 PM | 0.28 | 237 | 442 | 7 |
| 7/21/2012 12:17:15 PM | 0.28 | 236 | 441 | 7 |
| 7/21/2012 12:18:15 PM | 0.28 | 235 | 439 | 7 |
| 7/21/2012 12:19:15 PM | 0.28 | 234 | 435 | 7 |
| 7/21/2012 12:20:15 PM | 0.28 | 232 | 433 | 7 |
| 7/21/2012 12:21:15 PM | 0.28 | 230 | 430 | 7 |
| 7/21/2012 12:22:15 PM | 0.27 | 230 | 427 | 7 |
| 7/21/2012 12:23:15 PM | 0.28 | 229 | 427 | 7 |
| 7/21/2012 12:24:15 PM | 0.28 | 230 | 433 | 8 |
| 7/21/2012 12:25:15 PM | 0.28 | 231 | 434 | 8 |
| 7/21/2012 12:26:15 PM | 0.28 | 233 | 432 | 8 |
| 7/21/2012 12:27:15 PM | 0.28 | 232 | 430 | 8 |
| 7/21/2012 12:28:15 PM | 0.28 | 230 | 429 | 8 |
| 7/21/2012 12:29:15 PM | 0.28 | 229 | 426 | 8 |
| 7/21/2012 12:30:15 PM | 0.28 | 228 | 424 | 8 |
| 7/21/2012 12:31:15 PM | 0.28 | 225 | 425 | 8 |
| 7/21/2012 12:32:15 PM | 0.28 | 224 | 422 | 8 |
| 7/21/2012 12:33:15 PM | 0.29 | 224 | 420 | 8 |
| 7/21/2012 12:34:15 PM | 0.28 | 224 | 421 | 7 |
| 7/21/2012 12:35:15 PM | 0.28 | 224 | 420 | 7 |
| 7/21/2012 12:36:15 PM | 0.28 | 225 | 422 | 7 |
| 7/21/2012 12:37:15 PM | 0.28 | 227 | 421 | 7 |
| 7/21/2012 12:38:15 PM | 0.28 | 228 | 422 | 7 |
| 7/21/2012 12:39:15 PM | 0.28 | 227 | 425 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 12:40:15 PM | 0.28 | 227 | 427 | 8 |
| 7/21/2012 12:41:15 PM | 0.28 | 227 | 428 | 8 |
| 7/21/2012 12:42:15 PM | 0.29 | 227 | 426 | 8 |
| 7/21/2012 12:43:15 PM | 0.28 | 227 | 428 | 7 |
| 7/21/2012 12:44:15 PM | 0.28 | 228 | 429 | 7 |
| 7/21/2012 12:45:15 PM | 0.29 | 228 | 428 | 7 |
| 7/21/2012 12:46:15 PM | 0.29 | 227 | 429 | 7 |
| 7/21/2012 12:47:15 PM | 0.29 | 225 | 431 | 7 |
| 7/21/2012 12:48:15 PM | 0.29 | 224 | 430 | 7 |
| 7/21/2012 12:49:15 PM | 0.29 | 224 | 431 | 7 |
| 7/21/2012 12:50:15 PM | 0.28 | 225 | 430 | 7 |
| 7/21/2012 12:51:15 PM | 0.28 | 225 | 430 | 8 |
| 7/21/2012 12:52:15 PM | 0.29 | 227 | 429 | 8 |
| 7/21/2012 12:53:15 PM | 0.28 | 226 | 430 | 8 |
| 7/21/2012 12:54:15 PM | 0.28 | 226 | 431 | 8 |
| 7/21/2012 12:55:15 PM | 0.28 | 225 | 431 | 7 |
| 7/21/2012 12:56:15 PM | 0.28 | 226 | 429 | 7 |
| 7/21/2012 12:57:15 PM | 0.28 | 227 | 430 | 8 |
| 7/21/2012 12:58:15 PM | 0.28 | 227 | 430 | 8 |
| 7/21/2012 12:59:15 PM | 0.28 | 227 | 427 | 8 |
| 7/21/2012 1:00:15 PM | 0.28 | 228 | 427 | 8 |
| 7/21/2012 1:01:15 PM | 0.28 | 226 | 428 | 8 |
| 7/21/2012 1:02:15 PM | 0.29 | 227 | 426 | 8 |
| 7/21/2012 1:03:15 PM | 0.29 | 226 | 425 | 8 |
| 7/21/2012 1:04:15 PM | 0.29 | 226 | 428 | 7 |
| 7/21/2012 1:05:15 PM | 0.28 | 227 | 429 | 7 |
| 7/21/2012 1:06:15 PM | 0.28 | 226 | 427 | 7 |
| 7/21/2012 1:07:15 PM | 0.28 | 226 | 427 | 7 |
| 7/21/2012 1:08:15 PM | 0.29 | 226 | 425 | 7 |
| 7/21/2012 1:09:15 PM | 0.28 | 225 | 426 | 7 |
| 7/21/2012 1:10:15 PM | 0.28 | 225 | 422 | 7 |
| 7/21/2012 1:11:15 PM | 0.29 | 226 | 421 | 7 |
| 7/21/2012 1:12:15 PM | 0.29 | 225 | 420 | 7 |
| 7/21/2012 1:13:15 PM | 0.29 | 225 | 419 | 7 |
| 7/21/2012 1:14:15 PM | 0.28 | 226 | 420 | 7 |
| 7/21/2012 1:15:15 PM | 0.29 | 226 | 418 | 8 |
| 7/21/2012 1:16:15 PM | 0.29 | 224 | 420 | 8 |
| 7/21/2012 1:17:15 PM | 0.29 | 223 | 417 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 1:18:15 PM | 0.28 | 223 | 418 | 8 |
| 7/21/2012 1:19:15 PM | 0.29 | 223 | 416 | 8 |
| 7/21/2012 1:20:15 PM | 0.29 | 224 | 417 | 8 |
| 7/21/2012 1:21:15 PM | 0.29 | 224 | 416 | 8 |
| 7/21/2012 1:22:15 PM | 0.28 | 224 | 416 | 7 |
| 7/21/2012 1:23:15 PM | 0.29 | 224 | 417 | 7 |
| 7/21/2012 1:24:15 PM | 0.28 | 224 | 416 | 8 |
| 7/21/2012 1:25:15 PM | 0.28 | 224 | 416 | 8 |
| 7/21/2012 1:26:15 PM | 0.29 | 224 | 414 | 8 |
| 7/21/2012 1:27:15 PM | 0.29 | 224 | 414 | 8 |
| 7/21/2012 1:28:15 PM | 0.28 | 224 | 416 | 7 |
| 7/21/2012 1:29:15 PM | 0.29 | 225 | 415 | 7 |
| 7/21/2012 1:30:15 PM | 0.29 | 226 | 413 | 7 |
| 7/21/2012 1:31:15 PM | 0.29 | 224 | 412 | 7 |
| 7/21/2012 1:32:15 PM | 0.28 | 222 | 413 | 7 |
| 7/21/2012 1:33:15 PM | 0.29 | 221 | 412 | 7 |
| 7/21/2012 1:34:15 PM | 0.28 | 222 | 411 | 7 |
| 7/21/2012 1:35:15 PM | 0.29 | 223 | 411 | 7 |
| 7/21/2012 1:36:15 PM | 0.29 | 224 | 409 | 7 |
| 7/21/2012 1:37:15 PM | 0.29 | 222 | 408 | 7 |
| 7/21/2012 1:38:15 PM | 0.29 | 221 | 408 | 7 |
| 7/21/2012 1:39:15 PM | 0.28 | 221 | 407 | 8 |
| 7/21/2012 1:40:15 PM | 0.28 | 220 | 408 | 8 |
| 7/21/2012 1:41:15 PM | 0.28 | 219 | 407 | 8 |
| 7/21/2012 1:42:15 PM | 0.29 | 221 | 405 | 8 |
| 7/21/2012 1:43:15 PM | 0.29 | 222 | 404 | 8 |
| 7/21/2012 1:44:15 PM | 0.28 | 223 | 403 | 8 |
| 7/21/2012 1:45:15 PM | 0.28 | 224 | 402 | 8 |
| 7/21/2012 1:46:15 PM | 0.28 | 224 | 399 | 7 |
| 7/21/2012 1:47:15 PM | 0.28 | 224 | 398 | 7 |
| 7/21/2012 1:48:15 PM | 0.28 | 225 | 398 | 7 |
| 7/21/2012 1:49:15 PM | 0.28 | 224 | 401 | 7 |
| 7/21/2012 1:50:15 PM | 0.29 | 225 | 402 | 7 |
| 7/21/2012 1:51:15 PM | 0.29 | 224 | 401 | 7 |
| 7/21/2012 1:52:15 PM | 0.28 | 223 | 402 | 8 |
| 7/21/2012 1:53:15 PM | 0.29 | 223 | 402 | 8 |
| 7/21/2012 1:54:15 PM | 0.29 | 222 | 403 | 8 |
| 7/21/2012 1:55:15 PM | 0.28 | 222 | 403 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 1:56:15 PM | 0.29 | 222 | 402 | 8 |
| 7/21/2012 1:57:15 PM | 0.28 | 223 | 399 | 8 |
| 7/21/2012 1:58:15 PM | 0.28 | 222 | 399 | 7 |
| 7/21/2012 1:59:15 PM | 0.29 | 222 | 401 | 7 |
| 7/21/2012 2:00:15 PM | 0.29 | 223 | 400 | 7 |
| 7/21/2012 2:01:15 PM | 0.29 | 222 | 403 | 7 |
| 7/21/2012 2:02:15 PM | 0.29 | 221 | 399 | 7 |
| 7/21/2012 2:03:15 PM | 0.29 | 221 | 400 | 7 |
| 7/21/2012 2:04:15 PM | 0.29 | 221 | 401 | 7 |
| 7/21/2012 2:05:15 PM | 0.29 | 222 | 399 | 7 |
| 7/21/2012 2:06:15 PM | 0.28 | 222 | 399 | 7 |
| 7/21/2012 2:07:15 PM | 0.29 | 223 | 398 | 7 |
| 7/21/2012 2:08:15 PM | 0.28 | 223 | 396 | 7 |
| 7/21/2012 2:09:15 PM | 0.28 | 222 | 395 | 7 |
| 7/21/2012 2:10:15 PM | 0.29 | 222 | 392 | 7 |
| 7/21/2012 2:11:15 PM | 0.28 | 223 | 392 | 7 |
| 7/21/2012 2:12:15 PM | 0.29 | 222 | 392 | 7 |
| 7/21/2012 2:13:15 PM | 0.29 | 223 | 392 | 7 |
| 7/21/2012 2:14:15 PM | 0.28 | 223 | 391 | 7 |
| 7/21/2012 2:15:15 PM | 0.28 | 224 | 394 | 7 |
| 7/21/2012 2:16:15 PM | 0.29 | 221 | 396 | 8 |
| 7/21/2012 2:17:15 PM | 0.29 | 221 | 395 | 8 |
| 7/21/2012 2:18:15 PM | 0.28 | 222 | 396 | 8 |
| 7/21/2012 2:19:15 PM | 0.29 | 222 | 397 | 7 |
| 7/21/2012 2:20:15 PM | 0.28 | 222 | 397 | 7 |
| 7/21/2012 2:21:15 PM | 0.29 | 221 | 397 | 8 |
| 7/21/2012 2:22:15 PM | 0.29 | 220 | 396 | 8 |
| 7/21/2012 2:23:15 PM | 0.28 | 221 | 397 | 8 |
| 7/21/2012 2:24:15 PM | 0.29 | 219 | 397 | 8 |
| 7/21/2012 2:25:15 PM | 0.29 | 220 | 396 | 7 |
| 7/21/2012 2:26:15 PM | 0.28 | 220 | 394 | 7 |
| 7/21/2012 2:27:15 PM | 0.29 | 221 | 393 | 7 |
| 7/21/2012 2:28:15 PM | 0.28 | 221 | 394 | 7 |
| 7/21/2012 2:29:15 PM | 0.29 | 221 | 394 | 7 |
| 7/21/2012 2:30:15 PM | 0.29 | 220 | 392 | 7 |
| 7/21/2012 2:31:15 PM | 0.29 | 219 | 392 | 7 |
| 7/21/2012 2:32:15 PM | 0.29 | 219 | 391 | 7 |
| 7/21/2012 2:33:15 PM | 0.29 | 219 | 389 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 2:34:15 PM | 0.28 | 219 | 389 | 7 |
| 7/21/2012 2:35:15 PM | 0.28 | 219 | 390 | 7 |
| 7/21/2012 2:36:15 PM | 0.29 | 219 | 388 | 7 |
| 7/21/2012 2:37:15 PM | 0.29 | 220 | 391 | 7 |
| 7/21/2012 2:38:15 PM | 0.29 | 220 | 392 | 7 |
| 7/21/2012 2:39:15 PM | 0.29 | 219 | 391 | 7 |
| 7/21/2012 2:40:15 PM | 0.29 | 219 | 391 | 7 |
| 7/21/2012 2:41:15 PM | 0.29 | 219 | 389 | 7 |
| 7/21/2012 2:42:15 PM | 0.29 | 219 | 387 | 7 |
| 7/21/2012 2:43:15 PM | 0.28 | 219 | 387 | 7 |
| 7/21/2012 2:44:15 PM | 0.29 | 220 | 388 | 7 |
| 7/21/2012 2:45:15 PM | 0.29 | 219 | 390 | 7 |
| 7/21/2012 2:46:15 PM | 0.29 | 219 | 390 | 7 |
| 7/21/2012 2:47:15 PM | 0.29 | 219 | 390 | 7 |
| 7/21/2012 2:48:15 PM | 0.29 | 220 | 389 | 7 |
| 7/21/2012 2:49:15 PM | 0.29 | 219 | 388 | 7 |
| 7/21/2012 2:50:15 PM | 0.29 | 219 | 389 | 7 |
| 7/21/2012 2:51:15 PM | 0.29 | 219 | 389 | 7 |
| 7/21/2012 2:52:15 PM | 0.29 | 219 | 390 | 7 |
| 7/21/2012 2:53:15 PM | 0.29 | 219 | 395 | 7 |
| 7/21/2012 2:54:15 PM | 0.29 | 218 | 394 | 7 |
| 7/21/2012 2:55:15 PM | 0.29 | 218 | 396 | 7 |
| 7/21/2012 2:56:15 PM | 0.29 | 218 | 397 | 7 |
| 7/21/2012 2:57:15 PM | 0.29 | 218 | 398 | 7 |
| 7/21/2012 2:58:15 PM | 0.29 | 218 | 401 | 7 |
| 7/21/2012 2:59:15 PM | 0.29 | 219 | 404 | 7 |
| 7/21/2012 3:00:15 PM | 0.29 | 219 | 404 | 7 |
| 7/21/2012 3:01:15 PM | 0.29 | 219 | 408 | 7 |
| 7/21/2012 3:02:15 PM | 0.28 | 219 | 410 | 7 |
| 7/21/2012 3:03:15 PM | 0.29 | 220 | 412 | 7 |
| 7/21/2012 3:04:15 PM | 0.29 | 219 | 413 | 7 |
| 7/21/2012 3:05:15 PM | 0.29 | 219 | 415 | 7 |
| 7/21/2012 3:06:15 PM | 0.29 | 220 | 415 | 7 |
| 7/21/2012 3:07:15 PM | 0.29 | 220 | 417 | 7 |
| 7/21/2012 3:08:15 PM | 0.29 | 219 | 417 | 7 |
| 7/21/2012 3:09:15 PM | 0.29 | 219 | 416 | 8 |
| 7/21/2012 3:10:15 PM | 0.29 | 219 | 419 | 8 |
| 7/21/2012 3:11:15 PM | 0.29 | 218 | 423 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 3:12:15 PM | 0.29 | 218 | 423 | 8 |
| 7/21/2012 3:13:15 PM | 0.29 | 217 | 426 | 7 |
| 7/21/2012 3:14:15 PM | 0.29 | 217 | 426 | 7 |
| 7/21/2012 3:15:15 PM | 0.29 | 217 | 427 | 7 |
| 7/21/2012 3:16:15 PM | 0.29 | 218 | 428 | 7 |
| 7/21/2012 3:17:15 PM | 0.29 | 218 | 427 | 7 |
| 7/21/2012 3:18:15 PM | 0.29 | 219 | 427 | 7 |
| 7/21/2012 3:19:15 PM | 0.29 | 221 | 428 | 7 |
| 7/21/2012 3:20:15 PM | 0.29 | 221 | 431 | 7 |
| 7/21/2012 3:21:15 PM | 0.29 | 221 | 433 | 8 |
| 7/21/2012 3:22:15 PM | 0.29 | 219 | 437 | 8 |
| 7/21/2012 3:23:15 PM | 0.29 | 218 | 438 | 8 |
| 7/21/2012 3:24:15 PM | 0.29 | 218 | 436 | 8 |
| 7/21/2012 3:25:15 PM | 0.29 | 218 | 437 | 8 |
| 7/21/2012 3:26:15 PM | 0.29 | 219 | 437 | 8 |
| 7/21/2012 3:27:15 PM | 0.29 | 218 | 437 | 8 |
| 7/21/2012 3:28:15 PM | 0.29 | 219 | 437 | 8 |
| 7/21/2012 3:29:15 PM | 0.29 | 218 | 438 | 8 |
| 7/21/2012 3:30:15 PM | 0.29 | 217 | 437 | 8 |
| 7/21/2012 3:31:15 PM | 0.29 | 219 | 438 | 8 |
| 7/21/2012 3:32:15 PM | 0.29 | 217 | 438 | 8 |
| 7/21/2012 3:33:15 PM | 0.29 | 218 | 437 | 8 |
| 7/21/2012 3:34:15 PM | 0.29 | 219 | 441 | 8 |
| 7/21/2012 3:35:15 PM | 0.29 | 218 | 437 | 8 |
| 7/21/2012 3:36:15 PM | 0.29 | 218 | 436 | 8 |
| 7/21/2012 3:37:15 PM | 0.29 | 218 | 435 | 8 |
| 7/21/2012 3:38:15 PM | 0.29 | 218 | 432 | 8 |
| 7/21/2012 3:39:15 PM | 0.29 | 219 | 434 | 8 |
| 7/21/2012 3:40:15 PM | 0.29 | 221 | 438 | 8 |
| 7/21/2012 3:41:15 PM | 0.29 | 222 | 437 | 8 |
| 7/21/2012 3:42:15 PM | 0.29 | 221 | 437 | 8 |
| 7/21/2012 3:43:15 PM | 0.29 | 219 | 439 | 8 |
| 7/21/2012 3:44:15 PM | 0.29 | 218 | 437 | 8 |
| 7/21/2012 3:45:15 PM | 0.29 | 217 | 438 | 9 |
| 7/21/2012 3:46:15 PM | 0.29 | 219 | 437 | 9 |
| 7/21/2012 3:47:15 PM | 0.29 | 218 | 435 | 9 |
| 7/21/2012 3:48:15 PM | 0.29 | 217 | 431 | 9 |
| 7/21/2012 3:49:15 PM | 0.29 | 217 | 432 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 3:50:15 PM | 0.29 | 217 | 432 | 8 |
| 7/21/2012 3:51:15 PM | 0.29 | 217 | 431 | 8 |
| 7/21/2012 3:52:15 PM | 0.29 | 219 | 431 | 8 |
| 7/21/2012 3:53:15 PM | 0.29 | 219 | 431 | 8 |
| 7/21/2012 3:54:15 PM | 0.29 | 219 | 431 | 9 |
| 7/21/2012 3:55:15 PM | 0.29 | 220 | 429 | 9 |
| 7/21/2012 3:56:15 PM | 0.29 | 219 | 426 | 9 |
| 7/21/2012 3:57:15 PM | 0.29 | 219 | 427 | 9 |
| 7/21/2012 3:58:15 PM | 0.29 | 218 | 427 | 9 |
| 7/21/2012 3:59:15 PM | 0.29 | 220 | 426 | 9 |
| 7/21/2012 4:00:15 PM | 0.29 | 221 | 425 | 9 |
| 7/21/2012 4:01:15 PM | 0.29 | 221 | 426 | 8 |
| 7/21/2012 4:02:15 PM | 0.29 | 222 | 427 | 8 |
| 7/21/2012 4:03:15 PM | 0.29 | 221 | 431 | 9 |
| 7/21/2012 4:04:15 PM | 0.29 | 220 | 432 | 9 |
| 7/21/2012 4:05:15 PM | 0.29 | 217 | 424 | 9 |
| 7/21/2012 4:06:15 PM | 0.29 | 217 | 418 | 9 |
| 7/21/2012 4:07:15 PM | 0.29 | 217 | 422 | 9 |
| 7/21/2012 4:08:15 PM | 0.29 | 216 | 423 | 9 |
| 7/21/2012 4:09:15 PM | 0.30 | 216 | 421 | 9 |
| 7/21/2012 4:10:15 PM | 0.29 | 216 | 418 | 8 |
| 7/21/2012 4:11:15 PM | 0.29 | 217 | 416 | 8 |
| 7/21/2012 4:12:15 PM | 0.29 | 219 | 416 | 9 |
| 7/21/2012 4:13:15 PM | 0.29 | 218 | 414 | 9 |
| 7/21/2012 4:14:15 PM | 0.29 | 218 | 413 | 9 |
| 7/21/2012 4:15:15 PM | 0.29 | 217 | 414 | 9 |
| 7/21/2012 4:16:15 PM | 0.29 | 217 | 414 | 9 |
| 7/21/2012 4:17:15 PM | 0.29 | 218 | 413 | 9 |
| 7/21/2012 4:18:15 PM | 0.29 | 218 | 412 | 9 |
| 7/21/2012 4:19:15 PM | 0.29 | 218 | 412 | 8 |
| 7/21/2012 4:20:15 PM | 0.29 | 218 | 411 | 8 |
| 7/21/2012 4:21:15 PM | 0.29 | 218 | 413 | 8 |
| 7/21/2012 4:22:15 PM | 0.29 | 219 | 414 | 8 |
| 7/21/2012 4:23:15 PM | 0.29 | 219 | 413 | 8 |
| 7/21/2012 4:24:15 PM | 0.29 | 218 | 412 | 9 |
| 7/21/2012 4:25:15 PM | 0.29 | 218 | 413 | 9 |
| 7/21/2012 4:26:15 PM | 0.30 | 217 | 412 | 9 |
| 7/21/2012 4:27:15 PM | 0.29 | 217 | 413 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 4:28:15 PM | 0.29 | 217 | 411 | 8 |
| 7/21/2012 4:29:15 PM | 0.29 | 217 | 411 | 8 |
| 7/21/2012 4:30:15 PM | 0.29 | 217 | 409 | 9 |
| 7/21/2012 4:31:15 PM | 0.29 | 217 | 409 | 9 |
| 7/21/2012 4:32:15 PM | 0.29 | 216 | 407 | 9 |
| 7/21/2012 4:33:15 PM | 0.29 | 216 | 407 | 9 |
| 7/21/2012 4:34:15 PM | 0.29 | 216 | 407 | 8 |
| 7/21/2012 4:35:15 PM | 0.29 | 217 | 406 | 8 |
| 7/21/2012 4:36:15 PM | 0.29 | 218 | 404 | 9 |
| 7/21/2012 4:37:15 PM | 0.29 | 217 | 402 | 9 |
| 7/21/2012 4:38:15 PM | 0.29 | 218 | 402 | 9 |
| 7/21/2012 4:39:15 PM | 0.29 | 217 | 405 | 9 |
| 7/21/2012 4:40:15 PM | 0.29 | 218 | 404 | 9 |
| 7/21/2012 4:41:15 PM | 0.29 | 216 | 403 | 9 |
| 7/21/2012 4:42:15 PM | 0.29 | 216 | 401 | 9 |
| 7/21/2012 4:43:15 PM | 0.29 | 218 | 402 | 8 |
| 7/21/2012 4:44:15 PM | 0.29 | 217 | 401 | 8 |
| 7/21/2012 4:45:15 PM | 0.29 | 216 | 400 | 8 |
| 7/21/2012 4:46:15 PM | 0.29 | 217 | 400 | 8 |
| 7/21/2012 4:47:15 PM | 0.29 | 217 | 399 | 8 |
| 7/21/2012 4:48:15 PM | 0.29 | 216 | 398 | 8 |
| 7/21/2012 4:49:15 PM | 0.29 | 216 | 398 | 8 |
| 7/21/2012 4:50:15 PM | 0.29 | 217 | 398 | 8 |
| 7/21/2012 4:51:15 PM | 0.29 | 217 | 398 | 8 |
| 7/21/2012 4:52:15 PM | 0.29 | 215 | 397 | 8 |
| 7/21/2012 4:53:15 PM | 0.29 | 216 | 397 | 8 |
| 7/21/2012 4:54:15 PM | 0.29 | 215 | 397 | 8 |
| 7/21/2012 4:55:15 PM | 0.29 | 216 | 396 | 8 |
| 7/21/2012 4:56:15 PM | 0.29 | 218 | 396 | 8 |
| 7/21/2012 4:57:15 PM | 0.29 | 218 | 395 | 9 |
| 7/21/2012 4:58:15 PM | 0.29 | 217 | 392 | 9 |
| 7/21/2012 4:59:15 PM | 0.29 | 218 | 392 | 9 |
| 7/21/2012 5:00:15 PM | 0.29 | 218 | 392 | 9 |
| 7/21/2012 5:01:15 PM | 0.29 | 218 | 391 | 8 |
| 7/21/2012 5:02:15 PM | 0.28 | 218 | 392 | 8 |
| 7/21/2012 5:03:15 PM | 0.29 | 218 | 393 | 9 |
| 7/21/2012 5:04:15 PM | 0.29 | 218 | 392 | 9 |
| 7/21/2012 5:05:15 PM | 0.29 | 217 | 392 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 5:06:15 PM | 0.29 | 219 | 392 | 9 |
| 7/21/2012 5:07:15 PM | 0.29 | 218 | 391 | 8 |
| 7/21/2012 5:08:15 PM | 0.29 | 219 | 390 | 8 |
| 7/21/2012 5:09:15 PM | 0.29 | 219 | 392 | 8 |
| 7/21/2012 5:10:15 PM | 0.29 | 218 | 392 | 8 |
| 7/21/2012 5:11:15 PM | 0.29 | 217 | 392 | 8 |
| 7/21/2012 5:12:15 PM | 0.29 | 216 | 391 | 8 |
| 7/21/2012 5:13:15 PM | 0.29 | 217 | 390 | 8 |
| 7/21/2012 5:14:15 PM | 0.29 | 216 | 387 | 8 |
| 7/21/2012 5:15:15 PM | 0.29 | 216 | 387 | 8 |
| 7/21/2012 5:16:15 PM | 0.29 | 216 | 387 | 8 |
| 7/21/2012 5:17:15 PM | 0.28 | 216 | 386 | 8 |
| 7/21/2012 5:18:15 PM | 0.29 | 215 | 387 | 8 |
| 7/21/2012 5:19:15 PM | 0.29 | 216 | 386 | 9 |
| 7/21/2012 5:20:15 PM | 0.29 | 216 | 387 | 9 |
| 7/21/2012 5:21:15 PM | 0.29 | 216 | 386 | 8 |
| 7/21/2012 5:22:15 PM | 0.29 | 217 | 385 | 8 |
| 7/21/2012 5:23:15 PM | 0.29 | 216 | 386 | 8 |
| 7/21/2012 5:24:15 PM | 0.29 | 215 | 383 | 8 |
| 7/21/2012 5:25:15 PM | 0.29 | 216 | 385 | 8 |
| 7/21/2012 5:26:15 PM | 0.29 | 216 | 385 | 8 |
| 7/21/2012 5:27:15 PM | 0.29 | 217 | 385 | 8 |
| 7/21/2012 5:28:15 PM | 0.29 | 217 | 387 | 8 |
| 7/21/2012 5:29:15 PM | 0.29 | 217 | 385 | 8 |
| 7/21/2012 5:30:15 PM | 0.29 | 216 | 382 | 9 |
| 7/21/2012 5:31:15 PM | 0.29 | 217 | 382 | 9 |
| 7/21/2012 5:32:15 PM | 0.29 | 216 | 380 | 9 |
| 7/21/2012 5:33:15 PM | 0.29 | 215 | 379 | 8 |
| 7/21/2012 5:34:15 PM | 0.29 | 214 | 380 | 8 |
| 7/21/2012 5:35:15 PM | 0.29 | 214 | 381 | 8 |
| 7/21/2012 5:36:15 PM | 0.29 | 215 | 382 | 8 |
| 7/21/2012 5:37:15 PM | 0.29 | 215 | 381 | 8 |
| 7/21/2012 5:38:15 PM | 0.29 | 216 | 382 | 8 |
| 7/21/2012 5:39:15 PM | 0.29 | 216 | 381 | 9 |
| 7/21/2012 5:40:15 PM | 0.29 | 216 | 382 | 9 |
| 7/21/2012 5:41:15 PM | 0.29 | 217 | 382 | 9 |
| 7/21/2012 5:42:15 PM | 0.29 | 218 | 382 | 9 |
| 7/21/2012 5:43:15 PM | 0.29 | 219 | 383 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 5:44:15 PM | 0.29 | 219 | 383 | 8 |
| 7/21/2012 5:45:15 PM | 0.29 | 220 | 382 | 8 |
| 7/21/2012 5:46:15 PM | 0.29 | 219 | 383 | 8 |
| 7/21/2012 5:47:15 PM | 0.29 | 220 | 383 | 8 |
| 7/21/2012 5:48:15 PM | 0.28 | 218 | 382 | 8 |
| 7/21/2012 5:49:15 PM | 0.29 | 217 | 381 | 8 |
| 7/21/2012 5:50:15 PM | 0.29 | 217 | 382 | 8 |
| 7/21/2012 5:51:15 PM | 0.29 | 218 | 380 | 8 |
| 7/21/2012 5:52:15 PM | 0.28 | 219 | 382 | 8 |
| 7/21/2012 5:53:15 PM | 0.29 | 220 | 381 | 8 |
| 7/21/2012 5:54:15 PM | 0.29 | 219 | 380 | 8 |
| 7/21/2012 5:55:15 PM | 0.29 | 218 | 381 | 8 |
| 7/21/2012 5:56:15 PM | 0.29 | 217 | 380 | 8 |
| 7/21/2012 5:57:15 PM | 0.29 | 216 | 377 | 8 |
| 7/21/2012 5:58:15 PM | 0.29 | 216 | 376 | 8 |
| 7/21/2012 5:59:15 PM | 0.29 | 218 | 376 | 8 |
| 7/21/2012 6:00:15 PM | 0.29 | 219 | 376 | 8 |
| 7/21/2012 6:01:15 PM | 0.28 | 219 | 376 | 8 |
| 7/21/2012 6:02:15 PM | 0.29 | 218 | 377 | 8 |
| 7/21/2012 6:03:15 PM | 0.29 | 218 | 377 | 8 |
| 7/21/2012 6:04:15 PM | 0.29 | 217 | 376 | 7 |
| 7/21/2012 6:05:15 PM | 0.29 | 217 | 375 | 7 |
| 7/21/2012 6:06:15 PM | 0.29 | 216 | 372 | 7 |
| 7/21/2012 6:07:15 PM | 0.29 | 217 | 372 | 7 |
| 7/21/2012 6:08:15 PM | 0.29 | 217 | 372 | 7 |
| 7/21/2012 6:09:15 PM | 0.29 | 217 | 372 | 8 |
| 7/21/2012 6:10:15 PM | 0.29 | 217 | 371 | 8 |
| 7/21/2012 6:11:15 PM | 0.29 | 217 | 371 | 8 |
| 7/21/2012 6:12:15 PM | 0.29 | 218 | 371 | 8 |
| 7/21/2012 6:13:15 PM | 0.29 | 217 | 370 | 8 |
| 7/21/2012 6:14:15 PM | 0.29 | 217 | 368 | 8 |
| 7/21/2012 6:15:15 PM | 0.29 | 218 | 368 | 8 |
| 7/21/2012 6:16:15 PM | 0.29 | 219 | 369 | 7 |
| 7/21/2012 6:17:15 PM | 0.29 | 219 | 368 | 7 |
| 7/21/2012 6:18:15 PM | 0.29 | 217 | 367 | 8 |
| 7/21/2012 6:19:15 PM | 0.29 | 217 | 367 | 8 |
| 7/21/2012 6:20:15 PM | 0.29 | 218 | 366 | 8 |
| 7/21/2012 6:21:15 PM | 0.29 | 218 | 368 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 6:22:15 PM | 0.28 | 218 | 366 | 8 |
| 7/21/2012 6:23:15 PM | 0.29 | 218 | 366 | 8 |
| 7/21/2012 6:24:15 PM | 0.28 | 218 | 366 | 7 |
| 7/21/2012 6:25:15 PM | 0.28 | 218 | 368 | 7 |
| 7/21/2012 6:26:15 PM | 0.29 | 218 | 367 | 7 |
| 7/21/2012 6:27:15 PM | 0.29 | 218 | 366 | 7 |
| 7/21/2012 6:28:15 PM | 0.29 | 218 | 367 | 7 |
| 7/21/2012 6:29:15 PM | 0.29 | 217 | 366 | 7 |
| 7/21/2012 6:30:15 PM | 0.29 | 216 | 369 | 7 |
| 7/21/2012 6:31:15 PM | 0.29 | 218 | 369 | 7 |
| 7/21/2012 6:32:15 PM | 0.29 | 219 | 368 | 7 |
| 7/21/2012 6:33:15 PM | 0.28 | 218 | 368 | 8 |
| 7/21/2012 6:34:15 PM | 0.28 | 217 | 367 | 8 |
| 7/21/2012 6:35:15 PM | 0.29 | 217 | 366 | 8 |
| 7/21/2012 6:36:15 PM | 0.29 | 218 | 366 | 8 |
| 7/21/2012 6:37:15 PM | 0.29 | 215 | 366 | 7 |
| 7/21/2012 6:38:15 PM | 0.29 | 216 | 363 | 7 |
| 7/21/2012 6:39:15 PM | 0.29 | 216 | 362 | 8 |
| 7/21/2012 6:40:15 PM | 0.29 | 216 | 362 | 8 |
| 7/21/2012 6:41:15 PM | 0.29 | 216 | 362 | 8 |
| 7/21/2012 6:42:15 PM | 0.29 | 216 | 362 | 7 |
| 7/21/2012 6:43:15 PM | 0.29 | 218 | 363 | 7 |
| 7/21/2012 6:44:15 PM | 0.28 | 219 | 363 | 7 |
| 7/21/2012 6:45:15 PM | 0.29 | 220 | 362 | 7 |
| 7/21/2012 6:46:15 PM | 0.28 | 220 | 365 | 7 |
| 7/21/2012 6:47:15 PM | 0.29 | 220 | 365 | 7 |
| 7/21/2012 6:48:15 PM | 0.28 | 219 | 363 | 7 |
| 7/21/2012 6:49:15 PM | 0.29 | 218 | 362 | 7 |
| 7/21/2012 6:50:15 PM | 0.28 | 217 | 362 | 7 |
| 7/21/2012 6:51:15 PM | 0.29 | 217 | 362 | 7 |
| 7/21/2012 6:52:15 PM | 0.29 | 217 | 360 | 7 |
| 7/21/2012 6:53:15 PM | 0.28 | 217 | 360 | 7 |
| 7/21/2012 6:54:15 PM | 0.29 | 217 | 362 | 7 |
| 7/21/2012 6:55:15 PM | 0.29 | 217 | 363 | 7 |
| 7/21/2012 6:56:15 PM | 0.28 | 217 | 361 | 7 |
| 7/21/2012 6:57:15 PM | 0.29 | 216 | 362 | 7 |
| 7/21/2012 6:58:15 PM | 0.29 | 216 | 361 | 7 |
| 7/21/2012 6:59:15 PM | 0.29 | 215 | 360 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 7:00:15 PM | 0.29 | 215 | 360 | 7 |
| 7/21/2012 7:01:15 PM | 0.29 | 215 | 358 | 7 |
| 7/21/2012 7:02:15 PM | 0.29 | 216 | 357 | 7 |
| 7/21/2012 7:03:15 PM | 0.29 | 216 | 358 | 7 |
| 7/21/2012 7:04:15 PM | 0.29 | 216 | 358 | 7 |
| 7/21/2012 7:05:15 PM | 0.29 | 215 | 357 | 7 |
| 7/21/2012 7:06:15 PM | 0.29 | 216 | 356 | 7 |
| 7/21/2012 7:07:15 PM | 0.29 | 216 | 357 | 7 |
| 7/21/2012 7:08:15 PM | 0.29 | 217 | 357 | 7 |
| 7/21/2012 7:09:15 PM | 0.29 | 217 | 355 | 7 |
| 7/21/2012 7:10:15 PM | 0.29 | 216 | 356 | 7 |
| 7/21/2012 7:11:15 PM | 0.29 | 217 | 356 | 7 |
| 7/21/2012 7:12:15 PM | 0.28 | 216 | 356 | 7 |
| 7/21/2012 7:13:15 PM | 0.29 | 215 | 355 | 6 |
| 7/21/2012 7:14:15 PM | 0.28 | 215 | 356 | 6 |
| 7/21/2012 7:15:15 PM | 0.29 | 216 | 356 | 7 |
| 7/21/2012 7:16:15 PM | 0.29 | 216 | 357 | 7 |
| 7/21/2012 7:17:15 PM | 0.29 | 216 | 354 | 7 |
| 7/21/2012 7:18:15 PM | 0.29 | 214 | 351 | 7 |
| 7/21/2012 7:19:15 PM | 0.29 | 214 | 353 | 7 |
| 7/21/2012 7:20:15 PM | 0.29 | 215 | 353 | 7 |
| 7/21/2012 7:21:15 PM | 0.28 | 216 | 352 | 7 |
| 7/21/2012 7:22:15 PM | 0.29 | 216 | 353 | 6 |
| 7/21/2012 7:23:15 PM | 0.29 | 217 | 354 | 6 |
| 7/21/2012 7:24:15 PM | 0.29 | 217 | 353 | 6 |
| 7/21/2012 7:25:15 PM | 0.29 | 215 | 352 | 6 |
| 7/21/2012 7:26:15 PM | 0.29 | 215 | 351 | 6 |
| 7/21/2012 7:27:15 PM | 0.29 | 216 | 352 | 6 |
| 7/21/2012 7:28:15 PM | 0.29 | 216 | 352 | 6 |
| 7/21/2012 7:29:15 PM | 0.28 | 216 | 352 | 6 |
| 7/21/2012 7:30:15 PM | 0.29 | 216 | 352 | 6 |
| 7/21/2012 7:31:15 PM | 0.28 | 216 | 353 | 6 |
| 7/21/2012 7:32:15 PM | 0.29 | 215 | 353 | 6 |
| 7/21/2012 7:33:15 PM | 0.29 | 214 | 352 | 7 |
| 7/21/2012 7:34:15 PM | 0.29 | 215 | 352 | 7 |
| 7/21/2012 7:35:15 PM | 0.29 | 216 | 352 | 7 |
| 7/21/2012 7:36:15 PM | 0.29 | 215 | 351 | 7 |
| 7/21/2012 7:37:15 PM | 0.29 | 214 | 349 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 7:38:15 PM | 0.29 | 216 | 349 | 6 |
| 7/21/2012 7:39:15 PM | 0.28 | 217 | 351 | 7 |
| 7/21/2012 7:40:15 PM | 0.28 | 217 | 352 | 7 |
| 7/21/2012 7:41:15 PM | 0.29 | 216 | 349 | 7 |
| 7/21/2012 7:42:15 PM | 0.29 | 216 | 349 | 7 |
| 7/21/2012 7:43:15 PM | 0.29 | 216 | 348 | 6 |
| 7/21/2012 7:44:15 PM | 0.29 | 215 | 347 | 6 |
| 7/21/2012 7:45:15 PM | 0.29 | 214 | 347 | 6 |
| 7/21/2012 7:46:15 PM | 0.29 | 213 | 347 | 6 |
| 7/21/2012 7:47:15 PM | 0.29 | 214 | 347 | 6 |
| 7/21/2012 7:48:15 PM | 0.29 | 215 | 347 | 7 |
| 7/21/2012 7:49:15 PM | 0.29 | 214 | 344 | 7 |
| 7/21/2012 7:50:15 PM | 0.29 | 213 | 343 | 7 |
| 7/21/2012 7:51:15 PM | 0.28 | 215 | 343 | 6 |
| 7/21/2012 7:52:15 PM | 0.29 | 216 | 345 | 6 |
| 7/21/2012 7:53:15 PM | 0.29 | 214 | 343 | 6 |
| 7/21/2012 7:54:15 PM | 0.29 | 214 | 343 | 6 |
| 7/21/2012 7:55:15 PM | 0.29 | 213 | 343 | 6 |
| 7/21/2012 7:56:15 PM | 0.29 | 213 | 342 | 6 |
| 7/21/2012 7:57:15 PM | 0.29 | 212 | 340 | 6 |
| 7/21/2012 7:58:15 PM | 0.29 | 212 | 341 | 6 |
| 7/21/2012 7:59:15 PM | 0.29 | 211 | 340 | 6 |
| 7/21/2012 8:00:15 PM | 0.30 | 212 | 338 | 6 |
| 7/21/2012 8:01:15 PM | 0.29 | 211 | 337 | 6 |
| 7/21/2012 8:02:15 PM | 0.29 | 211 | 338 | 6 |
| 7/21/2012 8:03:15 PM | 0.29 | 211 | 337 | 6 |
| 7/21/2012 8:04:15 PM | 0.29 | 210 | 336 | 6 |
| 7/21/2012 8:05:15 PM | 0.29 | 210 | 335 | 6 |
| 7/21/2012 8:06:15 PM | 0.29 | 211 | 336 | 6 |
| 7/21/2012 8:07:15 PM | 0.29 | 211 | 336 | 6 |
| 7/21/2012 8:08:15 PM | 0.29 | 211 | 336 | 6 |
| 7/21/2012 8:09:15 PM | 0.29 | 210 | 334 | 6 |
| 7/21/2012 8:10:15 PM | 0.29 | 211 | 336 | 6 |
| 7/21/2012 8:11:15 PM | 0.29 | 211 | 335 | 6 |
| 7/21/2012 8:12:15 PM | 0.29 | 212 | 334 | 6 |
| 7/21/2012 8:13:15 PM | 0.29 | 212 | 336 | 5 |
| 7/21/2012 8:14:15 PM | 0.29 | 211 | 337 | 5 |
| 7/21/2012 8:15:15 PM | 0.29 | 211 | 337 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 8:16:15 PM | 0.29 | 211 | 336 | 6 |
| 7/21/2012 8:17:15 PM | 0.29 | 211 | 336 | 6 |
| 7/21/2012 8:18:15 PM | 0.29 | 211 | 333 | 6 |
| 7/21/2012 8:19:15 PM | 0.29 | 211 | 335 | 6 |
| 7/21/2012 8:20:15 PM | 0.29 | 211 | 336 | 6 |
| 7/21/2012 8:21:15 PM | 0.29 | 211 | 335 | 6 |
| 7/21/2012 8:22:15 PM | 0.29 | 212 | 336 | 6 |
| 7/21/2012 8:23:15 PM | 0.29 | 213 | 336 | 6 |
| 7/21/2012 8:24:15 PM | 0.29 | 214 | 337 | 6 |
| 7/21/2012 8:25:15 PM | 0.29 | 213 | 337 | 6 |
| 7/21/2012 8:26:15 PM | 0.29 | 213 | 337 | 6 |
| 7/21/2012 8:27:15 PM | 0.29 | 212 | 337 | 6 |
| 7/21/2012 8:28:15 PM | 0.29 | 212 | 336 | 6 |
| 7/21/2012 8:29:15 PM | 0.29 | 213 | 337 | 6 |
| 7/21/2012 8:30:15 PM | 0.29 | 213 | 336 | 6 |
| 7/21/2012 8:31:15 PM | 0.29 | 212 | 335 | 6 |
| 7/21/2012 8:32:15 PM | 0.29 | 212 | 335 | 6 |
| 7/21/2012 8:33:15 PM | 0.29 | 212 | 336 | 6 |
| 7/21/2012 8:34:15 PM | 0.29 | 212 | 332 | 5 |
| 7/21/2012 8:35:15 PM | 0.29 | 212 | 333 | 5 |
| 7/21/2012 8:36:15 PM | 0.29 | 212 | 334 | 6 |
| 7/21/2012 8:37:15 PM | 0.29 | 212 | 332 | 6 |
| 7/21/2012 8:38:15 PM | 0.29 | 211 | 332 | 6 |
| 7/21/2012 8:39:15 PM | 0.29 | 211 | 332 | 6 |
| 7/21/2012 8:40:15 PM | 0.29 | 213 | 333 | 5 |
| 7/21/2012 8:41:15 PM | 0.29 | 213 | 333 | 5 |
| 7/21/2012 8:42:15 PM | 0.29 | 213 | 332 | 6 |
| 7/21/2012 8:43:15 PM | 0.29 | 213 | 332 | 6 |
| 7/21/2012 8:44:15 PM | 0.29 | 214 | 332 | 6 |
| 7/21/2012 8:45:15 PM | 0.29 | 214 | 333 | 6 |
| 7/21/2012 8:46:15 PM | 0.29 | 213 | 336 | 6 |
| 7/21/2012 8:47:15 PM | 0.29 | 213 | 333 | 6 |
| 7/21/2012 8:48:15 PM | 0.29 | 213 | 331 | 6 |
| 7/21/2012 8:49:15 PM | 0.29 | 213 | 333 | 5 |
| 7/21/2012 8:50:15 PM | 0.29 | 212 | 333 | 5 |
| 7/21/2012 8:51:15 PM | 0.29 | 211 | 331 | 5 |
| 7/21/2012 8:52:15 PM | 0.29 | 210 | 330 | 5 |
| 7/21/2012 8:53:15 PM | 0.29 | 212 | 331 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 8:54:15 PM | 0.29 | 212 | 330 | 5 |
| 7/21/2012 8:55:15 PM | 0.29 | 213 | 331 | 5 |
| 7/21/2012 8:56:15 PM | 0.29 | 212 | 332 | 5 |
| 7/21/2012 8:57:15 PM | 0.29 | 211 | 332 | 5 |
| 7/21/2012 8:58:15 PM | 0.29 | 211 | 333 | 5 |
| 7/21/2012 8:59:15 PM | 0.29 | 210 | 332 | 5 |
| 7/21/2012 9:00:15 PM | 0.29 | 211 | 332 | 6 |
| 7/21/2012 9:01:15 PM | 0.29 | 211 | 334 | 6 |
| 7/21/2012 9:02:15 PM | 0.29 | 211 | 332 | 6 |
| 7/21/2012 9:03:15 PM | 0.29 | 211 | 332 | 6 |
| 7/21/2012 9:04:15 PM | 0.29 | 211 | 332 | 5 |
| 7/21/2012 9:05:15 PM | 0.29 | 212 | 331 | 5 |
| 7/21/2012 9:06:15 PM | 0.29 | 212 | 331 | 5 |
| 7/21/2012 9:07:15 PM | 0.29 | 212 | 332 | 5 |
| 7/21/2012 9:08:15 PM | 0.29 | 213 | 333 | 5 |
| 7/21/2012 9:09:15 PM | 0.29 | 214 | 332 | 5 |
| 7/21/2012 9:10:15 PM | 0.29 | 213 | 332 | 5 |
| 7/21/2012 9:11:15 PM | 0.29 | 212 | 332 | 5 |
| 7/21/2012 9:12:15 PM | 0.29 | 211 | 332 | 6 |
| 7/21/2012 9:13:15 PM | 0.29 | 211 | 331 | 6 |
| 7/21/2012 9:14:15 PM | 0.29 | 212 | 330 | 6 |
| 7/21/2012 9:15:15 PM | 0.29 | 212 | 331 | 6 |
| 7/21/2012 9:16:15 PM | 0.29 | 213 | 332 | 5 |
| 7/21/2012 9:17:15 PM | 0.29 | 213 | 330 | 5 |
| 7/21/2012 9:18:15 PM | 0.29 | 212 | 331 | 5 |
| 7/21/2012 9:19:15 PM | 0.29 | 212 | 331 | 5 |
| 7/21/2012 9:20:15 PM | 0.29 | 212 | 328 | 5 |
| 7/21/2012 9:21:15 PM | 0.29 | 211 | 328 | 6 |
| 7/21/2012 9:22:15 PM | 0.29 | 212 | 329 | 6 |
| 7/21/2012 9:23:15 PM | 0.29 | 212 | 328 | 6 |
| 7/21/2012 9:24:15 PM | 0.29 | 213 | 329 | 6 |
| 7/21/2012 9:25:15 PM | 0.29 | 213 | 326 | 5 |
| 7/21/2012 9:26:15 PM | 0.29 | 211 | 324 | 5 |
| 7/21/2012 9:27:15 PM | 0.29 | 212 | 326 | 5 |
| 7/21/2012 9:28:15 PM | 0.29 | 211 | 325 | 5 |
| 7/21/2012 9:29:15 PM | 0.29 | 211 | 325 | 5 |
| 7/21/2012 9:30:15 PM | 0.29 | 211 | 325 | 5 |
| 7/21/2012 9:31:15 PM | 0.29 | 212 | 326 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 9:32:15 PM | 0.29 | 211 | 326 | 5 |
| 7/21/2012 9:33:15 PM | 0.29 | 211 | 325 | 5 |
| 7/21/2012 9:34:15 PM | 0.29 | 211 | 324 | 5 |
| 7/21/2012 9:35:15 PM | 0.29 | 212 | 325 | 5 |
| 7/21/2012 9:36:15 PM | 0.29 | 211 | 325 | 5 |
| 7/21/2012 9:37:15 PM | 0.29 | 212 | 323 | 5 |
| 7/21/2012 9:38:15 PM | 0.29 | 212 | 324 | 5 |
| 7/21/2012 9:39:15 PM | 0.29 | 212 | 325 | 5 |
| 7/21/2012 9:40:15 PM | 0.29 | 212 | 324 | 5 |
| 7/21/2012 9:41:15 PM | 0.29 | 212 | 325 | 5 |
| 7/21/2012 9:42:15 PM | 0.29 | 212 | 325 | 5 |
| 7/21/2012 9:43:15 PM | 0.29 | 212 | 324 | 5 |
| 7/21/2012 9:44:15 PM | 0.29 | 212 | 326 | 5 |
| 7/21/2012 9:45:15 PM | 0.29 | 213 | 326 | 5 |
| 7/21/2012 9:46:15 PM | 0.29 | 214 | 326 | 5 |
| 7/21/2012 9:47:15 PM | 0.29 | 214 | 327 | 5 |
| 7/21/2012 9:48:15 PM | 0.29 | 214 | 326 | 5 |
| 7/21/2012 9:49:15 PM | 0.29 | 214 | 326 | 5 |
| 7/21/2012 9:50:15 PM | 0.29 | 214 | 326 | 5 |
| 7/21/2012 9:51:15 PM | 0.29 | 214 | 326 | 5 |
| 7/21/2012 9:52:15 PM | 0.29 | 213 | 326 | 5 |
| 7/21/2012 9:53:15 PM | 0.29 | 213 | 324 | 5 |
| 7/21/2012 9:54:15 PM | 0.29 | 213 | 324 | 5 |
| 7/21/2012 9:55:15 PM | 0.29 | 212 | 324 | 5 |
| 7/21/2012 9:56:15 PM | 0.29 | 212 | 323 | 5 |
| 7/21/2012 9:57:15 PM | 0.29 | 211 | 322 | 5 |
| 7/21/2012 9:58:15 PM | 0.29 | 212 | 323 | 5 |
| 7/21/2012 9:59:15 PM | 0.29 | 212 | 322 | 5 |
| 7/21/2012 10:00:15 PM | 0.29 | 212 | 324 | 5 |
| 7/21/2012 10:01:15 PM | 0.29 | 212 | 323 | 5 |
| 7/21/2012 10:02:15 PM | 0.29 | 212 | 322 | 5 |
| 7/21/2012 10:03:15 PM | 0.29 | 212 | 323 | 5 |
| 7/21/2012 10:04:15 PM | 0.29 | 213 | 323 | 5 |
| 7/21/2012 10:05:15 PM | 0.29 | 213 | 323 | 5 |
| 7/21/2012 10:06:15 PM | 0.29 | 213 | 325 | 5 |
| 7/21/2012 10:07:15 PM | 0.29 | 212 | 323 | 5 |
| 7/21/2012 10:08:15 PM | 0.29 | 212 | 324 | 5 |
| 7/21/2012 10:09:15 PM | 0.29 | 213 | 324 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 10:10:15 PM | 0.29 | 212 | 323 | 6 |
| 7/21/2012 10:11:15 PM | 0.29 | 212 | 323 | 6 |
| 7/21/2012 10:12:15 PM | 0.29 | 212 | 322 | 5 |
| 7/21/2012 10:13:15 PM | 0.29 | 212 | 322 | 5 |
| 7/21/2012 10:14:15 PM | 0.29 | 212 | 320 | 5 |
| 7/21/2012 10:15:15 PM | 0.29 | 213 | 321 | 5 |
| 7/21/2012 10:16:15 PM | 0.29 | 212 | 322 | 5 |
| 7/21/2012 10:17:15 PM | 0.29 | 213 | 323 | 5 |
| 7/21/2012 10:18:15 PM | 0.29 | 213 | 320 | 5 |
| 7/21/2012 10:19:15 PM | 0.29 | 213 | 319 | 5 |
| 7/21/2012 10:20:15 PM | 0.29 | 212 | 320 | 5 |
| 7/21/2012 10:21:15 PM | 0.29 | 213 | 321 | 5 |
| 7/21/2012 10:22:15 PM | 0.29 | 212 | 323 | 5 |
| 7/21/2012 10:23:15 PM | 0.29 | 212 | 322 | 5 |
| 7/21/2012 10:24:15 PM | 0.29 | 212 | 323 | 5 |
| 7/21/2012 10:25:15 PM | 0.29 | 211 | 322 | 4 |
| 7/21/2012 10:26:15 PM | 0.29 | 213 | 322 | 4 |
| 7/21/2012 10:27:15 PM | 0.29 | 212 | 323 | 5 |
| 7/21/2012 10:28:15 PM | 0.29 | 211 | 322 | 5 |
| 7/21/2012 10:29:15 PM | 0.29 | 211 | 320 | 5 |
| 7/21/2012 10:30:15 PM | 0.29 | 211 | 320 | 5 |
| 7/21/2012 10:31:15 PM | 0.29 | 211 | 322 | 5 |
| 7/21/2012 10:32:15 PM | 0.29 | 212 | 320 | 5 |
| 7/21/2012 10:33:15 PM | 0.29 | 212 | 322 | 5 |
| 7/21/2012 10:34:15 PM | 0.29 | 213 | 322 | 5 |
| 7/21/2012 10:35:15 PM | 0.29 | 213 | 322 | 5 |
| 7/21/2012 10:36:15 PM | 0.29 | 213 | 321 | 5 |
| 7/21/2012 10:37:15 PM | 0.29 | 213 | 322 | 5 |
| 7/21/2012 10:38:15 PM | 0.29 | 212 | 320 | 5 |
| 7/21/2012 10:39:15 PM | 0.30 | 213 | 322 | 5 |
| 7/21/2012 10:40:15 PM | 0.29 | 213 | 323 | 5 |
| 7/21/2012 10:41:15 PM | 0.29 | 212 | 323 | 5 |
| 7/21/2012 10:42:15 PM | 0.29 | 212 | 323 | 5 |
| 7/21/2012 10:43:15 PM | 0.29 | 213 | 322 | 5 |
| 7/21/2012 10:44:15 PM | 0.29 | 213 | 322 | 5 |
| 7/21/2012 10:45:15 PM | 0.29 | 214 | 321 | 5 |
| 7/21/2012 10:46:15 PM | 0.29 | 213 | 323 | 5 |
| 7/21/2012 10:47:15 PM | 0.29 | 213 | 322 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 10:48:15 PM | 0.29 | 213 | 322 | 5 |
| 7/21/2012 10:49:15 PM | 0.29 | 213 | 322 | 5 |
| 7/21/2012 10:50:15 PM | 0.29 | 213 | 321 | 5 |
| 7/21/2012 10:51:15 PM | 0.29 | 212 | 321 | 5 |
| 7/21/2012 10:52:15 PM | 0.29 | 212 | 320 | 4 |
| 7/21/2012 10:53:15 PM | 0.29 | 212 | 318 | 4 |
| 7/21/2012 10:54:15 PM | 0.29 | 213 | 321 | 5 |
| 7/21/2012 10:55:15 PM | 0.29 | 212 | 319 | 5 |
| 7/21/2012 10:56:15 PM | 0.29 | 212 | 317 | 5 |
| 7/21/2012 10:57:15 PM | 0.29 | 212 | 318 | 5 |
| 7/21/2012 10:58:15 PM | 0.29 | 212 | 317 | 5 |
| 7/21/2012 10:59:15 PM | 0.29 | 211 | 318 | 5 |
| 7/21/2012 11:00:15 PM | 0.29 | 212 | 318 | 5 |
| 7/21/2012 11:01:15 PM | 0.29 | 213 | 317 | 5 |
| 7/21/2012 11:02:15 PM | 0.29 | 213 | 317 | 5 |
| 7/21/2012 11:03:15 PM | 0.29 | 213 | 318 | 5 |
| 7/21/2012 11:04:15 PM | 0.29 | 212 | 318 | 4 |
| 7/21/2012 11:05:15 PM | 0.29 | 211 | 317 | 4 |
| 7/21/2012 11:06:15 PM | 0.29 | 211 | 317 | 5 |
| 7/21/2012 11:07:15 PM | 0.29 | 211 | 317 | 5 |
| 7/21/2012 11:08:15 PM | 0.29 | 211 | 317 | 5 |
| 7/21/2012 11:09:15 PM | 0.29 | 212 | 317 | 5 |
| 7/21/2012 11:10:15 PM | 0.29 | 212 | 317 | 4 |
| 7/21/2012 11:11:15 PM | 0.29 | 212 | 318 | 4 |
| 7/21/2012 11:12:15 PM | 0.29 | 212 | 317 | 5 |
| 7/21/2012 11:13:15 PM | 0.30 | 212 | 317 | 5 |
| 7/21/2012 11:14:15 PM | 0.29 | 211 | 317 | 5 |
| 7/21/2012 11:15:15 PM | 0.29 | 212 | 318 | 5 |
| 7/21/2012 11:16:15 PM | 0.29 | 212 | 317 | 4 |
| 7/21/2012 11:17:15 PM | 0.29 | 211 | 315 | 4 |
| 7/21/2012 11:18:15 PM | 0.29 | 211 | 316 | 4 |
| 7/21/2012 11:19:15 PM | 0.29 | 212 | 315 | 4 |
| 7/21/2012 11:20:15 PM | 0.29 | 212 | 316 | 4 |
| 7/21/2012 11:21:15 PM | 0.29 | 212 | 316 | 5 |
| 7/21/2012 11:22:15 PM | 0.29 | 212 | 317 | 5 |
| 7/21/2012 11:23:15 PM | 0.29 | 212 | 317 | 5 |
| 7/21/2012 11:24:15 PM | 0.29 | 212 | 316 | 5 |
| 7/21/2012 11:25:15 PM | 0.29 | 212 | 318 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/21/2012 11:26:15 PM | 0.29 | 212 | 317 | 4 |
| 7/21/2012 11:27:15 PM | 0.29 | 212 | 316 | 5 |
| 7/21/2012 11:28:15 PM | 0.29 | 212 | 315 | 5 |
| 7/21/2012 11:29:15 PM | 0.29 | 212 | 315 | 5 |
| 7/21/2012 11:30:15 PM | 0.29 | 211 | 318 | 5 |
| 7/21/2012 11:31:15 PM | 0.29 | 212 | 317 | 4 |
| 7/21/2012 11:32:15 PM | 0.30 | 211 | 316 | 4 |
| 7/21/2012 11:33:15 PM | 0.29 | 212 | 317 | 5 |
| 7/21/2012 11:34:15 PM | 0.29 | 211 | 317 | 5 |
| 7/21/2012 11:35:15 PM | 0.29 | 211 | 317 | 5 |
| 7/21/2012 11:36:15 PM | 0.29 | 211 | 316 | 5 |
| 7/21/2012 11:37:15 PM | 0.29 | 211 | 314 | 5 |
| 7/21/2012 11:38:15 PM | 0.29 | 211 | 314 | 5 |
| 7/21/2012 11:39:15 PM | 0.29 | 211 | 315 | 5 |
| 7/21/2012 11:40:15 PM | 0.29 | 211 | 315 | 5 |
| 7/21/2012 11:41:15 PM | 0.29 | 211 | 315 | 5 |
| 7/21/2012 11:42:15 PM | 0.29 | 211 | 315 | 5 |
| 7/21/2012 11:43:15 PM | 0.29 | 212 | 315 | 5 |
| 7/21/2012 11:44:15 PM | 0.29 | 212 | 312 | 5 |
| 7/21/2012 11:45:15 PM | 0.29 | 212 | 316 | 5 |
| 7/21/2012 11:46:15 PM | 0.29 | 212 | 314 | 5 |
| 7/21/2012 11:47:15 PM | 0.29 | 212 | 313 | 5 |
| 7/21/2012 11:48:15 PM | 0.29 | 213 | 316 | 4 |
| 7/21/2012 11:49:15 PM | 0.29 | 213 | 317 | 4 |
| 7/21/2012 11:50:15 PM | 0.29 | 212 | 316 | 4 |
| 7/21/2012 11:51:15 PM | 0.28 | 212 | 315 | 4 |
| 7/21/2012 11:52:15 PM | 0.29 | 213 | 314 | 4 |
| 7/21/2012 11:53:15 PM | 0.29 | 213 | 313 | 4 |
| 7/21/2012 11:54:15 PM | 0.29 | 212 | 315 | 4 |
| 7/21/2012 11:55:15 PM | 0.29 | 212 | 315 | 4 |
| 7/21/2012 11:56:15 PM | 0.29 | 212 | 314 | 4 |
| 7/21/2012 11:57:15 PM | 0.29 | 213 | 316 | 4 |
| 7/21/2012 11:58:15 PM | 0.29 | 213 | 317 | 4 |
| 7/21/2012 11:59:15 PM | 0.29 | 213 | 314 | 4 |
| Averages | 0.28 | 224 | 395 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 0:00:15 AM | 0.29 | 213 | 315 | 4 |
| 7/22/2012 0:01:15 AM | 0.29 | 214 | 313 | 4 |
| 7/22/2012 0:02:15 AM | 0.29 | 213 | 316 | 4 |
| 7/22/2012 0:03:15 AM | 0.29 | 213 | 318 | 4 |
| 7/22/2012 0:04:15 AM | 0.29 | 214 | 317 | 4 |
| 7/22/2012 0:05:15 AM | 0.29 | 213 | 316 | 4 |
| 7/22/2012 0:06:15 AM | 0.29 | 213 | 313 | 4 |
| 7/22/2012 0:07:15 AM | 0.29 | 213 | 313 | 4 |
| 7/22/2012 0:08:15 AM | 0.29 | 213 | 313 | 4 |
| 7/22/2012 0:09:15 AM | 0.30 | 212 | 313 | 4 |
| 7/22/2012 0:10:15 AM | 0.29 | 212 | 313 | 4 |
| 7/22/2012 0:11:15 AM | 0.29 | 212 | 313 | 4 |
| 7/22/2012 0:12:15 AM | 0.29 | 212 | 312 | 4 |
| 7/22/2012 0:13:15 AM | 0.29 | 212 | 313 | 4 |
| 7/22/2012 0:14:15 AM | 0.29 | 213 | 312 | 4 |
| 7/22/2012 0:15:15 AM | 0.29 | 212 | 312 | 4 |
| 7/22/2012 0:16:15 AM | 0.29 | 212 | 313 | 4 |
| 7/22/2012 0:17:15 AM | 0.29 | 213 | 312 | 4 |
| 7/22/2012 0:18:15 AM | 0.29 | 214 | 311 | 4 |
| 7/22/2012 0:19:15 AM | 0.29 | 213 | 313 | 4 |
| 7/22/2012 0:20:15 AM | 0.29 | 214 | 312 | 4 |
| 7/22/2012 0:21:15 AM | 0.29 | 214 | 313 | 4 |
| 7/22/2012 0:22:15 AM | 0.29 | 214 | 313 | 4 |
| 7/22/2012 0:23:15 AM | 0.29 | 214 | 314 | 4 |
| 7/22/2012 0:24:15 AM | 0.29 | 214 | 314 | 5 |
| 7/22/2012 0:25:15 AM | 0.29 | 213 | 313 | 5 |
| 7/22/2012 0:26:15 AM | 0.29 | 214 | 313 | 5 |
| 7/22/2012 0:27:15 AM | 0.29 | 215 | 315 | 5 |
| 7/22/2012 0:28:15 AM | 0.29 | 215 | 315 | 4 |
| 7/22/2012 0:29:15 AM | 0.29 | 214 | 314 | 4 |
| 7/22/2012 0:30:15 AM | 0.29 | 214 | 313 | 4 |
| 7/22/2012 0:31:15 AM | 0.28 | 215 | 315 | 3 |
| 7/22/2012 0:32:15 AM | 0.29 | 215 | 316 | 3 |
| 7/22/2012 0:33:15 AM | 0.29 | 216 | 317 | 4 |
| 7/22/2012 0:34:15 AM | 0.29 | 216 | 315 | 4 |
| 7/22/2012 0:35:15 AM | 0.29 | 216 | 314 | 4 |
| 7/22/2012 0:36:15 AM | 0.28 | 217 | 317 | 4 |
| 7/22/2012 0:37:15 AM | 0.29 | 217 | 316 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 0:38:15 AM | 0.29 | 217 | 317 | 4 |
| 7/22/2012 0:39:15 AM | 0.29 | 217 | 317 | 4 |
| 7/22/2012 0:40:15 AM | 0.29 | 217 | 317 | 4 |
| 7/22/2012 0:41:15 AM | 0.28 | 217 | 318 | 4 |
| 7/22/2012 0:42:15 AM | 0.29 | 217 | 317 | 4 |
| 7/22/2012 0:43:15 AM | 0.29 | 218 | 320 | 3 |
| 7/22/2012 0:44:15 AM | 0.29 | 218 | 322 | 3 |
| 7/22/2012 0:45:15 AM | 0.29 | 218 | 322 | 4 |
| 7/22/2012 0:46:15 AM | 0.29 | 219 | 324 | 4 |
| 7/22/2012 0:47:15 AM | 0.28 | 219 | 325 | 4 |
| 7/22/2012 0:48:15 AM | 0.28 | 220 | 326 | 4 |
| 7/22/2012 0:49:15 AM | 0.28 | 220 | 330 | 3 |
| 7/22/2012 0:50:15 AM | 0.29 | 220 | 330 | 3 |
| 7/22/2012 0:51:15 AM | 0.28 | 220 | 332 | 3 |
| 7/22/2012 0:52:15 AM | 0.29 | 220 | 333 | 3 |
| 7/22/2012 0:53:15 AM | 0.28 | 220 | 336 | 3 |
| 7/22/2012 0:54:15 AM | 0.28 | 220 | 337 | 4 |
| 7/22/2012 0:55:15 AM | 0.28 | 219 | 337 | 4 |
| 7/22/2012 0:56:15 AM | 0.29 | 219 | 336 | 4 |
| 7/22/2012 0:57:15 AM | 0.28 | 220 | 338 | 4 |
| 7/22/2012 0:58:15 AM | 0.29 | 220 | 338 | 4 |
| 7/22/2012 0:59:15 AM | 0.29 | 220 | 338 | 4 |
| 7/22/2012 1:00:15 AM | 0.28 | 220 | 338 | 4 |
| 7/22/2012 1:01:15 AM | 0.29 | 219 | 337 | 4 |
| 7/22/2012 1:02:15 AM | 0.29 | 219 | 338 | 4 |
| 7/22/2012 1:03:15 AM | 0.28 | 220 | 338 | 4 |
| 7/22/2012 1:04:15 AM | 0.28 | 220 | 337 | 4 |
| 7/22/2012 1:05:15 AM | 0.28 | 220 | 337 | 4 |
| 7/22/2012 1:06:15 AM | 0.28 | 220 | 337 | 4 |
| 7/22/2012 1:07:15 AM | 0.28 | 221 | 337 | 4 |
| 7/22/2012 1:08:15 AM | 0.28 | 222 | 336 | 4 |
| 7/22/2012 1:09:15 AM | 0.28 | 221 | 336 | 4 |
| 7/22/2012 1:10:15 AM | 0.28 | 222 | 335 | 4 |
| 7/22/2012 1:11:15 AM | 0.28 | 222 | 334 | 4 |
| 7/22/2012 1:12:15 AM | 0.28 | 221 | 334 | 4 |
| 7/22/2012 1:13:15 AM | 0.28 | 221 | 333 | 4 |
| 7/22/2012 1:14:15 AM | 0.29 | 220 | 333 | 4 |
| 7/22/2012 1:15:15 AM | 0.28 | 221 | 332 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 1:16:15 AM | 0.28 | 221 | 331 | 4 |
| 7/22/2012 1:17:15 AM | 0.28 | 221 | 330 | 4 |
| 7/22/2012 1:18:15 AM | 0.29 | 221 | 330 | 4 |
| 7/22/2012 1:19:15 AM | 0.28 | 221 | 331 | 4 |
| 7/22/2012 1:20:15 AM | 0.28 | 221 | 330 | 4 |
| 7/22/2012 1:21:15 AM | 0.29 | 220 | 329 | 4 |
| 7/22/2012 1:22:15 AM | 0.28 | 220 | 329 | 4 |
| 7/22/2012 1:23:15 AM | 0.28 | 221 | 327 | 4 |
| 7/22/2012 1:24:15 AM | 0.29 | 221 | 328 | 4 |
| 7/22/2012 1:25:15 AM | 0.28 | 221 | 328 | 4 |
| 7/22/2012 1:26:15 AM | 0.29 | 222 | 328 | 4 |
| 7/22/2012 1:27:15 AM | 0.28 | 222 | 330 | 4 |
| 7/22/2012 1:28:15 AM | 0.28 | 222 | 328 | 4 |
| 7/22/2012 1:29:15 AM | 0.28 | 223 | 328 | 4 |
| 7/22/2012 1:30:15 AM | 0.28 | 223 | 328 | 4 |
| 7/22/2012 1:31:15 AM | 0.28 | 223 | 328 | 4 |
| 7/22/2012 1:32:15 AM | 0.28 | 224 | 328 | 4 |
| 7/22/2012 1:33:15 AM | 0.28 | 223 | 327 | 4 |
| 7/22/2012 1:34:15 AM | 0.28 | 223 | 327 | 4 |
| 7/22/2012 1:35:15 AM | 0.28 | 224 | 327 | 4 |
| 7/22/2012 1:36:15 AM | 0.28 | 224 | 328 | 4 |
| 7/22/2012 1:37:15 AM | 0.28 | 224 | 330 | 3 |
| 7/22/2012 1:38:15 AM | 0.28 | 223 | 328 | 3 |
| 7/22/2012 1:39:15 AM | 0.28 | 224 | 329 | 3 |
| 7/22/2012 1:40:15 AM | 0.28 | 224 | 329 | 3 |
| 7/22/2012 1:41:15 AM | 0.28 | 224 | 330 | 3 |
| 7/22/2012 1:42:15 AM | 0.28 | 223 | 329 | 3 |
| 7/22/2012 1:43:15 AM | 0.28 | 223 | 329 | 3 |
| 7/22/2012 1:44:15 AM | 0.28 | 223 | 328 | 3 |
| 7/22/2012 1:45:15 AM | 0.28 | 223 | 328 | 3 |
| 7/22/2012 1:46:15 AM | 0.28 | 223 | 329 | 3 |
| 7/22/2012 1:47:15 AM | 0.29 | 223 | 329 | 3 |
| 7/22/2012 1:48:15 AM | 0.28 | 223 | 330 | 3 |
| 7/22/2012 1:49:15 AM | 0.28 | 222 | 332 | 3 |
| 7/22/2012 1:50:15 AM | 0.28 | 222 | 331 | 3 |
| 7/22/2012 1:51:15 AM | 0.28 | 223 | 332 | 3 |
| 7/22/2012 1:52:15 AM | 0.29 | 222 | 331 | 3 |
| 7/22/2012 1:53:15 AM | 0.28 | 222 | 332 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 1:54:15 AM | 0.29 | 221 | 332 | 3 |
| 7/22/2012 1:55:15 AM | 0.29 | 222 | 332 | 3 |
| 7/22/2012 1:56:15 AM | 0.28 | 222 | 332 | 3 |
| 7/22/2012 1:57:15 AM | 0.28 | 222 | 334 | 4 |
| 7/22/2012 1:58:15 AM | 0.29 | 221 | 337 | 4 |
| 7/22/2012 1:59:15 AM | 0.28 | 222 | 334 | 4 |
| 7/22/2012 2:00:15 AM | 0.28 | 222 | 336 | 4 |
| 7/22/2012 2:01:15 AM | 0.28 | 222 | 338 | 3 |
| 7/22/2012 2:02:15 AM | 0.29 | 222 | 337 | 3 |
| 7/22/2012 2:03:15 AM | 0.29 | 222 | 338 | 3 |
| 7/22/2012 2:04:15 AM | 0.29 | 223 | 340 | 3 |
| 7/22/2012 2:05:15 AM | 0.28 | 222 | 339 | 3 |
| 7/22/2012 2:06:15 AM | 0.28 | 222 | 340 | 3 |
| 7/22/2012 2:07:15 AM | 0.29 | 222 | 342 | 3 |
| 7/22/2012 2:08:15 AM | 0.28 | 222 | 341 | 3 |
| 7/22/2012 2:09:15 AM | 0.28 | 222 | 338 | 4 |
| 7/22/2012 2:10:15 AM | 0.28 | 222 | 338 | 4 |
| 7/22/2012 2:11:15 AM | 0.28 | 221 | 337 | 4 |
| 7/22/2012 2:12:15 AM | 0.28 | 221 | 335 | 4 |
| 7/22/2012 2:13:15 AM | 0.28 | 222 | 334 | 4 |
| 7/22/2012 2:14:15 AM | 0.28 | 222 | 332 | 4 |
| 7/22/2012 2:15:15 AM | 0.28 | 222 | 330 | 4 |
| 7/22/2012 2:16:15 AM | 0.28 | 222 | 330 | 3 |
| 7/22/2012 2:17:15 AM | 0.28 | 223 | 328 | 3 |
| 7/22/2012 2:18:15 AM | 0.28 | 222 | 328 | 4 |
| 7/22/2012 2:19:15 AM | 0.29 | 223 | 328 | 4 |
| 7/22/2012 2:20:15 AM | 0.28 | 222 | 328 | 4 |
| 7/22/2012 2:21:15 AM | 0.28 | 222 | 327 | 4 |
| 7/22/2012 2:22:15 AM | 0.29 | 223 | 327 | 4 |
| 7/22/2012 2:23:15 AM | 0.29 | 222 | 325 | 4 |
| 7/22/2012 2:24:15 AM | 0.28 | 222 | 325 | 4 |
| 7/22/2012 2:25:15 AM | 0.29 | 222 | 324 | 4 |
| 7/22/2012 2:26:15 AM | 0.28 | 222 | 322 | 4 |
| 7/22/2012 2:27:15 AM | 0.28 | 222 | 322 | 4 |
| 7/22/2012 2:28:15 AM | 0.29 | 222 | 321 | 3 |
| 7/22/2012 2:29:15 AM | 0.28 | 222 | 320 | 3 |
| 7/22/2012 2:30:15 AM | 0.28 | 222 | 319 | 3 |
| 7/22/2012 2:31:15 AM | 0.28 | 222 | 318 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 2:32:15 AM | 0.29 | 221 | 318 | 3 |
| 7/22/2012 2:33:15 AM | 0.28 | 221 | 318 | 4 |
| 7/22/2012 2:34:15 AM | 0.28 | 221 | 317 | 4 |
| 7/22/2012 2:35:15 AM | 0.28 | 221 | 317 | 4 |
| 7/22/2012 2:36:15 AM | 0.28 | 221 | 315 | 4 |
| 7/22/2012 2:37:15 AM | 0.28 | 221 | 317 | 4 |
| 7/22/2012 2:38:15 AM | 0.28 | 220 | 317 | 4 |
| 7/22/2012 2:39:15 AM | 0.28 | 221 | 314 | 4 |
| 7/22/2012 2:40:15 AM | 0.28 | 221 | 314 | 4 |
| 7/22/2012 2:41:15 AM | 0.28 | 221 | 315 | 4 |
| 7/22/2012 2:42:15 AM | 0.28 | 221 | 316 | 4 |
| 7/22/2012 2:43:15 AM | 0.28 | 222 | 318 | 4 |
| 7/22/2012 2:44:15 AM | 0.28 | 222 | 318 | 4 |
| 7/22/2012 2:45:15 AM | 0.29 | 222 | 318 | 3 |
| 7/22/2012 2:46:15 AM | 0.29 | 222 | 317 | 3 |
| 7/22/2012 2:47:15 AM | 0.28 | 222 | 316 | 3 |
| 7/22/2012 2:48:15 AM | 0.29 | 221 | 316 | 3 |
| 7/22/2012 2:49:15 AM | 0.29 | 222 | 317 | 3 |
| 7/22/2012 2:50:15 AM | 0.28 | 221 | 316 | 3 |
| 7/22/2012 2:51:15 AM | 0.29 | 221 | 313 | 3 |
| 7/22/2012 2:52:15 AM | 0.29 | 221 | 316 | 3 |
| 7/22/2012 2:53:15 AM | 0.29 | 221 | 318 | 3 |
| 7/22/2012 2:54:15 AM | 0.29 | 221 | 317 | 3 |
| 7/22/2012 2:55:15 AM | 0.28 | 219 | 317 | 3 |
| 7/22/2012 2:56:15 AM | 0.29 | 219 | 317 | 3 |
| 7/22/2012 2:57:15 AM | 0.28 | 219 | 317 | 3 |
| 7/22/2012 2:58:15 AM | 0.28 | 218 | 318 | 3 |
| 7/22/2012 2:59:15 AM | 0.28 | 218 | 319 | 3 |
| 7/22/2012 3:00:15 AM | 0.28 | 218 | 319 | 3 |
| 7/22/2012 3:01:15 AM | 0.29 | 218 | 317 | 3 |
| 7/22/2012 3:02:15 AM | 0.28 | 218 | 318 | 3 |
| 7/22/2012 3:03:15 AM | 0.29 | 218 | 318 | 3 |
| 7/22/2012 3:04:15 AM | 0.29 | 218 | 320 | 3 |
| 7/22/2012 3:05:15 AM | 0.29 | 217 | 320 | 3 |
| 7/22/2012 3:06:15 AM | 0.29 | 216 | 319 | 3 |
| 7/22/2012 3:07:15 AM | 0.28 | 216 | 320 | 3 |
| 7/22/2012 3:08:15 AM | 0.29 | 216 | 319 | 3 |
| 7/22/2012 3:09:15 AM | 0.28 | 217 | 318 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 3:10:15 AM | 0.29 | 217 | 319 | 3 |
| 7/22/2012 3:11:15 AM | 0.29 | 217 | 317 | 3 |
| 7/22/2012 3:12:15 AM | 0.28 | 217 | 315 | 3 |
| 7/22/2012 3:13:15 AM | 0.29 | 217 | 313 | 3 |
| 7/22/2012 3:14:15 AM | 0.29 | 217 | 312 | 3 |
| 7/22/2012 3:15:15 AM | 0.29 | 216 | 313 | 4 |
| 7/22/2012 3:16:15 AM | 0.29 | 217 | 310 | 4 |
| 7/22/2012 3:17:15 AM | 0.29 | 217 | 310 | 4 |
| 7/22/2012 3:18:15 AM | 0.28 | 217 | 310 | 4 |
| 7/22/2012 3:19:15 AM | 0.29 | 217 | 310 | 4 |
| 7/22/2012 3:20:15 AM | 0.29 | 217 | 308 | 4 |
| 7/22/2012 3:21:15 AM | 0.28 | 217 | 308 | 4 |
| 7/22/2012 3:22:15 AM | 0.29 | 216 | 307 | 4 |
| 7/22/2012 3:23:15 AM | 0.29 | 216 | 306 | 4 |
| 7/22/2012 3:24:15 AM | 0.29 | 216 | 305 | 4 |
| 7/22/2012 3:25:15 AM | 0.29 | 216 | 305 | 4 |
| 7/22/2012 3:26:15 AM | 0.29 | 216 | 302 | 4 |
| 7/22/2012 3:27:15 AM | 0.29 | 215 | 302 | 4 |
| 7/22/2012 3:28:15 AM | 0.29 | 215 | 300 | 3 |
| 7/22/2012 3:29:15 AM | 0.29 | 214 | 299 | 3 |
| 7/22/2012 3:30:15 AM | 0.28 | 214 | 298 | 4 |
| 7/22/2012 3:31:15 AM | 0.29 | 214 | 298 | 4 |
| 7/22/2012 3:32:15 AM | 0.29 | 214 | 298 | 4 |
| 7/22/2012 3:33:15 AM | 0.29 | 214 | 296 | 4 |
| 7/22/2012 3:34:15 AM | 0.29 | 213 | 297 | 4 |
| 7/22/2012 3:35:15 AM | 0.29 | 213 | 298 | 4 |
| 7/22/2012 3:36:15 AM | 0.29 | 212 | 297 | 4 |
| 7/22/2012 3:37:15 AM | 0.29 | 212 | 298 | 4 |
| 7/22/2012 3:38:15 AM | 0.29 | 213 | 297 | 4 |
| 7/22/2012 3:39:15 AM | 0.29 | 213 | 296 | 4 |
| 7/22/2012 3:40:15 AM | 0.30 | 213 | 297 | 4 |
| 7/22/2012 3:41:15 AM | 0.29 | 212 | 297 | 4 |
| 7/22/2012 3:42:15 AM | 0.29 | 212 | 298 | 4 |
| 7/22/2012 3:43:15 AM | 0.29 | 213 | 299 | 4 |
| 7/22/2012 3:44:15 AM | 0.29 | 212 | 298 | 4 |
| 7/22/2012 3:45:15 AM | 0.29 | 211 | 298 | 4 |
| 7/22/2012 3:46:15 AM | 0.29 | 212 | 300 | 3 |
| 7/22/2012 3:47:15 AM | 0.29 | 213 | 302 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 3:48:15 AM | 0.29 | 213 | 303 | 3 |
| 7/22/2012 3:49:15 AM | 0.29 | 213 | 304 | 3 |
| 7/22/2012 3:50:15 AM | 0.29 | 212 | 303 | 3 |
| 7/22/2012 3:51:15 AM | 0.29 | 212 | 306 | 3 |
| 7/22/2012 3:52:15 AM | 0.29 | 213 | 307 | 3 |
| 7/22/2012 3:53:15 AM | 0.29 | 213 | 304 | 3 |
| 7/22/2012 3:54:15 AM | 0.29 | 212 | 305 | 3 |
| 7/22/2012 3:55:15 AM | 0.29 | 212 | 309 | 3 |
| 7/22/2012 3:56:15 AM | 0.29 | 212 | 310 | 3 |
| 7/22/2012 3:57:15 AM | 0.29 | 211 | 309 | 3 |
| 7/22/2012 3:58:15 AM | 0.29 | 211 | 310 | 3 |
| 7/22/2012 3:59:15 AM | 0.29 | 211 | 310 | 3 |
| 7/22/2012 4:00:15 AM | 0.29 | 210 | 311 | 3 |
| 7/22/2012 4:01:15 AM | 0.29 | 211 | 312 | 3 |
| 7/22/2012 4:02:15 AM | 0.29 | 211 | 312 | 3 |
| 7/22/2012 4:03:15 AM | 0.29 | 210 | 312 | 4 |
| 7/22/2012 4:04:15 AM | 0.29 | 210 | 313 | 4 |
| 7/22/2012 4:05:15 AM | 0.29 | 211 | 312 | 4 |
| 7/22/2012 4:06:15 AM | 0.29 | 210 | 312 | 4 |
| 7/22/2012 4:07:15 AM | 0.29 | 211 | 313 | 4 |
| 7/22/2012 4:08:15 AM | 0.29 | 211 | 312 | 4 |
| 7/22/2012 4:09:15 AM | 0.29 | 210 | 312 | 4 |
| 7/22/2012 4:10:15 AM | 0.29 | 210 | 312 | 4 |
| 7/22/2012 4:11:15 AM | 0.29 | 210 | 312 | 4 |
| 7/22/2012 4:12:15 AM | 0.29 | 209 | 311 | 4 |
| 7/22/2012 4:13:15 AM | 0.29 | 210 | 310 | 3 |
| 7/22/2012 4:14:15 AM | 0.29 | 209 | 308 | 3 |
| 7/22/2012 4:15:15 AM | 0.29 | 209 | 307 | 4 |
| 7/22/2012 4:16:15 AM | 0.29 | 209 | 307 | 4 |
| 7/22/2012 4:17:15 AM | 0.30 | 209 | 306 | 4 |
| 7/22/2012 4:18:15 AM | 0.30 | 210 | 303 | 4 |
| 7/22/2012 4:19:15 AM | 0.30 | 210 | 303 | 4 |
| 7/22/2012 4:20:15 AM | 0.29 | 211 | 304 | 4 |
| 7/22/2012 4:21:15 AM | 0.29 | 210 | 305 | 4 |
| 7/22/2012 4:22:15 AM | 0.29 | 210 | 305 | 4 |
| 7/22/2012 4:23:15 AM | 0.29 | 210 | 303 | 4 |
| 7/22/2012 4:24:15 AM | 0.29 | 211 | 303 | 4 |
| 7/22/2012 4:25:15 AM | 0.29 | 210 | 303 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 4:26:15 AM | 0.29 | 210 | 302 | 4 |
| 7/22/2012 4:27:15 AM | 0.30 | 211 | 303 | 4 |
| 7/22/2012 4:28:15 AM | 0.29 | 211 | 302 | 4 |
| 7/22/2012 4:29:15 AM | 0.29 | 211 | 301 | 4 |
| 7/22/2012 4:30:15 AM | 0.29 | 211 | 301 | 4 |
| 7/22/2012 4:31:15 AM | 0.29 | 210 | 300 | 4 |
| 7/22/2012 4:32:15 AM | 0.29 | 211 | 300 | 4 |
| 7/22/2012 4:33:15 AM | 0.29 | 211 | 299 | 4 |
| 7/22/2012 4:34:15 AM | 0.29 | 211 | 301 | 4 |
| 7/22/2012 4:35:15 AM | 0.29 | 211 | 301 | 4 |
| 7/22/2012 4:36:15 AM | 0.29 | 212 | 302 | 4 |
| 7/22/2012 4:37:15 AM | 0.29 | 211 | 302 | 3 |
| 7/22/2012 4:38:15 AM | 0.29 | 212 | 302 | 3 |
| 7/22/2012 4:39:15 AM | 0.29 | 212 | 302 | 3 |
| 7/22/2012 4:40:15 AM | 0.29 | 213 | 303 | 3 |
| 7/22/2012 4:41:15 AM | 0.29 | 213 | 302 | 3 |
| 7/22/2012 4:42:15 AM | 0.29 | 212 | 306 | 4 |
| 7/22/2012 4:43:15 AM | 0.29 | 212 | 306 | 4 |
| 7/22/2012 4:44:15 AM | 0.29 | 212 | 307 | 4 |
| 7/22/2012 4:45:15 AM | 0.29 | 212 | 307 | 4 |
| 7/22/2012 4:46:15 AM | 0.29 | 212 | 309 | 3 |
| 7/22/2012 4:47:15 AM | 0.29 | 212 | 309 | 3 |
| 7/22/2012 4:48:15 AM | 0.29 | 212 | 310 | 3 |
| 7/22/2012 4:49:15 AM | 0.29 | 212 | 311 | 3 |
| 7/22/2012 4:50:15 AM | 0.29 | 212 | 312 | 3 |
| 7/22/2012 4:51:15 AM | 0.29 | 212 | 312 | 3 |
| 7/22/2012 4:52:15 AM | 0.29 | 212 | 312 | 3 |
| 7/22/2012 4:53:15 AM | 0.29 | 211 | 313 | 3 |
| 7/22/2012 4:54:15 AM | 0.29 | 211 | 315 | 3 |
| 7/22/2012 4:55:15 AM | 0.29 | 211 | 315 | 3 |
| 7/22/2012 4:56:15 AM | 0.29 | 211 | 317 | 3 |
| 7/22/2012 4:57:15 AM | 0.29 | 211 | 317 | 4 |
| 7/22/2012 4:58:15 AM | 0.29 | 212 | 318 | 4 |
| 7/22/2012 4:59:15 AM | 0.29 | 212 | 318 | 4 |
| 7/22/2012 5:00:15 AM | 0.29 | 212 | 318 | 4 |
| 7/22/2012 5:01:15 AM | 0.29 | 211 | 317 | 4 |
| 7/22/2012 5:02:15 AM | 0.29 | 211 | 316 | 4 |
| 7/22/2012 5:03:15 AM | 0.29 | 210 | 315 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 5:04:15 AM | 0.29 | 211 | 315 | 4 |
| 7/22/2012 5:05:15 AM | 0.29 | 210 | 313 | 4 |
| 7/22/2012 5:06:15 AM | 0.29 | 211 | 313 | 4 |
| 7/22/2012 5:07:15 AM | 0.29 | 211 | 311 | 4 |
| 7/22/2012 5:08:15 AM | 0.29 | 211 | 311 | 4 |
| 7/22/2012 5:09:15 AM | 0.29 | 211 | 309 | 4 |
| 7/22/2012 5:10:15 AM | 0.29 | 210 | 308 | 4 |
| 7/22/2012 5:11:15 AM | 0.29 | 210 | 307 | 4 |
| 7/22/2012 5:12:15 AM | 0.29 | 210 | 307 | 4 |
| 7/22/2012 5:13:15 AM | 0.29 | 210 | 307 | 4 |
| 7/22/2012 5:14:15 AM | 0.29 | 210 | 306 | 4 |
| 7/22/2012 5:15:15 AM | 0.29 | 210 | 307 | 4 |
| 7/22/2012 5:16:15 AM | 0.29 | 210 | 307 | 4 |
| 7/22/2012 5:17:15 AM | 0.29 | 210 | 307 | 4 |
| 7/22/2012 5:18:15 AM | 0.29 | 209 | 307 | 4 |
| 7/22/2012 5:19:15 AM | 0.29 | 210 | 304 | 4 |
| 7/22/2012 5:20:15 AM | 0.29 | 211 | 307 | 4 |
| 7/22/2012 5:21:15 AM | 0.29 | 210 | 307 | 4 |
| 7/22/2012 5:22:15 AM | 0.29 | 210 | 306 | 4 |
| 7/22/2012 5:23:15 AM | 0.29 | 210 | 306 | 4 |
| 7/22/2012 5:24:15 AM | 0.29 | 210 | 306 | 4 |
| 7/22/2012 5:25:15 AM | 0.29 | 210 | 305 | 4 |
| 7/22/2012 5:26:15 AM | 0.29 | 211 | 304 | 4 |
| 7/22/2012 5:27:15 AM | 0.29 | 211 | 304 | 4 |
| 7/22/2012 5:28:15 AM | 0.29 | 211 | 303 | 4 |
| 7/22/2012 5:29:15 AM | 0.29 | 212 | 304 | 4 |
| 7/22/2012 5:30:15 AM | 0.29 | 212 | 305 | 4 |
| 7/22/2012 5:31:15 AM | 0.30 | 212 | 307 | 3 |
| 7/22/2012 5:32:15 AM | 0.29 | 211 | 304 | 3 |
| 7/22/2012 5:33:15 AM | 0.29 | 211 | 303 | 3 |
| 7/22/2012 5:34:15 AM | 0.29 | 211 | 305 | 3 |
| 7/22/2012 5:35:15 AM | 0.29 | 211 | 307 | 3 |
| 7/22/2012 5:36:15 AM | 0.29 | 211 | 306 | 3 |
| 7/22/2012 5:37:15 AM | 0.29 | 211 | 307 | 3 |
| 7/22/2012 5:38:15 AM | 0.29 | 212 | 308 | 3 |
| 7/22/2012 5:39:15 AM | 0.29 | 212 | 310 | 3 |
| 7/22/2012 5:40:15 AM | 0.29 | 211 | 312 | 3 |
| 7/22/2012 5:41:15 AM | 0.29 | 212 | 313 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 5:42:15 AM | 0.29 | 213 | 312 | 3 |
| 7/22/2012 5:43:15 AM | 0.29 | 213 | 313 | 3 |
| 7/22/2012 5:44:15 AM | 0.30 | 212 | 313 | 3 |
| 7/22/2012 5:45:15 AM | 0.29 | 212 | 315 | 3 |
| 7/22/2012 5:46:15 AM | 0.29 | 213 | 318 | 3 |
| 7/22/2012 5:47:15 AM | 0.29 | 213 | 317 | 3 |
| 7/22/2012 5:48:15 AM | 0.29 | 213 | 317 | 3 |
| 7/22/2012 5:49:15 AM | 0.29 | 213 | 318 | 3 |
| 7/22/2012 5:50:15 AM | 0.29 | 212 | 317 | 3 |
| 7/22/2012 5:51:15 AM | 0.29 | 212 | 317 | 4 |
| 7/22/2012 5:52:15 AM | 0.29 | 212 | 319 | 4 |
| 7/22/2012 5:53:15 AM | 0.29 | 211 | 318 | 4 |
| 7/22/2012 5:54:15 AM | 0.29 | 211 | 319 | 4 |
| 7/22/2012 5:55:15 AM | 0.29 | 211 | 320 | 3 |
| 7/22/2012 5:56:15 AM | 0.29 | 212 | 319 | 3 |
| 7/22/2012 5:57:15 AM | 0.29 | 212 | 319 | 3 |
| 7/22/2012 5:58:15 AM | 0.29 | 211 | 318 | 3 |
| 7/22/2012 5:59:15 AM | 0.29 | 211 | 316 | 3 |
| 7/22/2012 6:00:15 AM | 0.29 | 212 | 314 | 3 |
| 7/22/2012 6:01:15 AM | 0.29 | 213 | 314 | 3 |
| 7/22/2012 6:02:15 AM | 0.29 | 212 | 313 | 3 |
| 7/22/2012 6:03:15 AM | 0.29 | 213 | 313 | 4 |
| 7/22/2012 6:04:15 AM | 0.29 | 214 | 312 | 4 |
| 7/22/2012 6:05:15 AM | 0.29 | 213 | 311 | 4 |
| 7/22/2012 6:06:15 AM | 0.30 | 213 | 311 | 4 |
| 7/22/2012 6:07:15 AM | 0.29 | 213 | 309 | 3 |
| 7/22/2012 6:08:15 AM | 0.29 | 214 | 308 | 3 |
| 7/22/2012 6:09:15 AM | 0.29 | 213 | 309 | 4 |
| 7/22/2012 6:10:15 AM | 0.29 | 212 | 307 | 4 |
| 7/22/2012 6:11:15 AM | 0.29 | 212 | 307 | 4 |
| 7/22/2012 6:12:15 AM | 0.29 | 212 | 306 | 4 |
| 7/22/2012 6:13:15 AM | 0.29 | 212 | 306 | 4 |
| 7/22/2012 6:14:15 AM | 0.29 | 211 | 306 | 4 |
| 7/22/2012 6:15:15 AM | 0.29 | 211 | 306 | 4 |
| 7/22/2012 6:16:15 AM | 0.29 | 210 | 304 | 4 |
| 7/22/2012 6:17:15 AM | 0.29 | 211 | 306 | 4 |
| 7/22/2012 6:18:15 AM | 0.29 | 211 | 305 | 4 |
| 7/22/2012 6:19:15 AM | 0.29 | 211 | 305 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 6:20:15 AM | 0.29 | 212 | 304 | 4 |
| 7/22/2012 6:21:15 AM | 0.29 | 212 | 305 | 4 |
| 7/22/2012 6:22:15 AM | 0.29 | 212 | 307 | 3 |
| 7/22/2012 6:23:15 AM | 0.30 | 214 | 305 | 3 |
| 7/22/2012 6:24:15 AM | 0.29 | 214 | 305 | 4 |
| 7/22/2012 6:25:15 AM | 0.29 | 215 | 306 | 4 |
| 7/22/2012 6:26:15 AM | 0.29 | 216 | 305 | 4 |
| 7/22/2012 6:27:15 AM | 0.29 | 216 | 307 | 4 |
| 7/22/2012 6:28:15 AM | 0.29 | 217 | 308 | 3 |
| 7/22/2012 6:29:15 AM | 0.29 | 216 | 307 | 3 |
| 7/22/2012 6:30:15 AM | 0.29 | 215 | 307 | 4 |
| 7/22/2012 6:31:15 AM | 0.29 | 215 | 305 | 4 |
| 7/22/2012 6:32:15 AM | 0.29 | 216 | 304 | 4 |
| 7/22/2012 6:33:15 AM | 0.29 | 216 | 305 | 4 |
| 7/22/2012 6:34:15 AM | 0.29 | 215 | 306 | 3 |
| 7/22/2012 6:35:15 AM | 0.29 | 215 | 305 | 3 |
| 7/22/2012 6:36:15 AM | 0.29 | 216 | 305 | 3 |
| 7/22/2012 6:37:15 AM | 0.29 | 215 | 303 | 3 |
| 7/22/2012 6:38:15 AM | 0.29 | 215 | 302 | 3 |
| 7/22/2012 6:39:15 AM | 0.29 | 216 | 304 | 3 |
| 7/22/2012 6:40:15 AM | 0.29 | 215 | 303 | 3 |
| 7/22/2012 6:41:15 AM | 0.29 | 215 | 304 | 3 |
| 7/22/2012 6:42:15 AM | 0.29 | 214 | 303 | 3 |
| 7/22/2012 6:43:15 AM | 0.29 | 215 | 303 | 3 |
| 7/22/2012 6:44:15 AM | 0.30 | 216 | 302 | 3 |
| 7/22/2012 6:45:15 AM | 0.29 | 216 | 303 | 3 |
| 7/22/2012 6:46:15 AM | 0.29 | 215 | 303 | 3 |
| 7/22/2012 6:47:15 AM | 0.29 | 215 | 301 | 3 |
| 7/22/2012 6:48:15 AM | 0.29 | 216 | 304 | 3 |
| 7/22/2012 6:49:15 AM | 0.29 | 217 | 304 | 3 |
| 7/22/2012 6:50:15 AM | 0.29 | 216 | 302 | 3 |
| 7/22/2012 6:51:15 AM | 0.29 | 216 | 303 | 3 |
| 7/22/2012 6:52:15 AM | 0.29 | 217 | 301 | 3 |
| 7/22/2012 6:53:15 AM | 0.29 | 217 | 302 | 3 |
| 7/22/2012 6:54:15 AM | 0.29 | 217 | 304 | 3 |
| 7/22/2012 6:55:15 AM | 0.29 | 217 | 306 | 3 |
| 7/22/2012 6:56:15 AM | 0.29 | 218 | 304 | 3 |
| 7/22/2012 6:57:15 AM | 0.29 | 218 | 303 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 6:58:15 AM | 0.29 | 217 | 302 | 3 |
| 7/22/2012 6:59:15 AM | 0.30 | 215 | 301 | 3 |
| 7/22/2012 7:00:15 AM | 0.29 | 215 | 301 | 3 |
| 7/22/2012 7:01:15 AM | 0.29 | 215 | 302 | 3 |
| 7/22/2012 7:02:15 AM | 0.29 | 214 | 301 | 3 |
| 7/22/2012 7:03:15 AM | 0.29 | 214 | 302 | 3 |
| 7/22/2012 7:04:15 AM | 0.29 | 214 | 303 | 3 |
| 7/22/2012 7:05:15 AM | 0.29 | 214 | 301 | 3 |
| 7/22/2012 7:06:15 AM | 0.29 | 213 | 301 | 3 |
| 7/22/2012 7:07:15 AM | 0.29 | 213 | 301 | 3 |
| 7/22/2012 7:08:15 AM | 0.29 | 213 | 299 | 3 |
| 7/22/2012 7:09:15 AM | 0.29 | 213 | 298 | 3 |
| 7/22/2012 7:10:15 AM | 0.29 | 213 | 298 | 3 |
| 7/22/2012 7:11:15 AM | 0.29 | 214 | 298 | 3 |
| 7/22/2012 7:12:15 AM | 0.29 | 215 | 301 | 3 |
| 7/22/2012 7:13:15 AM | 0.29 | 216 | 303 | 3 |
| 7/22/2012 7:14:15 AM | 0.29 | 215 | 303 | 3 |
| 7/22/2012 7:15:15 AM | 0.30 | 215 | 303 | 3 |
| 7/22/2012 7:16:15 AM | 0.29 | 215 | 303 | 2 |
| 7/22/2012 7:17:15 AM | 0.29 | 215 | 303 | 2 |
| 7/22/2012 7:18:15 AM | 0.29 | 215 | 303 | 3 |
| 7/22/2012 7:19:15 AM | 0.29 | 214 | 305 | 3 |
| 7/22/2012 7:20:15 AM | 0.30 | 215 | 306 | 3 |
| 7/22/2012 7:21:15 AM | 0.29 | 215 | 306 | 3 |
| 7/22/2012 7:22:15 AM | 0.29 | 216 | 307 | 3 |
| 7/22/2012 7:23:15 AM | 0.29 | 217 | 306 | 3 |
| 7/22/2012 7:24:15 AM | 0.29 | 217 | 309 | 3 |
| 7/22/2012 7:25:15 AM | 0.30 | 217 | 312 | 2 |
| 7/22/2012 7:26:15 AM | 0.29 | 218 | 312 | 2 |
| 7/22/2012 7:27:15 AM | 0.29 | 219 | 313 | 3 |
| 7/22/2012 7:28:15 AM | 0.29 | 218 | 313 | 3 |
| 7/22/2012 7:29:15 AM | 0.29 | 218 | 312 | 3 |
| 7/22/2012 7:30:15 AM | 0.29 | 219 | 313 | 3 |
| 7/22/2012 7:31:15 AM | 0.29 | 217 | 312 | 3 |
| 7/22/2012 7:32:15 AM | 0.30 | 216 | 313 | 3 |
| 7/22/2012 7:33:15 AM | 0.29 | 216 | 316 | 3 |
| 7/22/2012 7:34:15 AM | 0.29 | 216 | 314 | 2 |
| 7/22/2012 7:35:15 AM | 0.29 | 216 | 313 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 7:36:15 AM | 0.29 | 216 | 313 | 2 |
| 7/22/2012 7:37:15 AM | 0.29 | 215 | 312 | 2 |
| 7/22/2012 7:38:15 AM | 0.29 | 216 | 312 | 2 |
| 7/22/2012 7:39:15 AM | 0.29 | 217 | 314 | 3 |
| 7/22/2012 7:40:15 AM | 0.29 | 216 | 316 | 3 |
| 7/22/2012 7:41:15 AM | 0.29 | 217 | 314 | 3 |
| 7/22/2012 7:42:15 AM | 0.29 | 217 | 315 | 3 |
| 7/22/2012 7:43:15 AM | 0.29 | 218 | 315 | 2 |
| 7/22/2012 7:44:15 AM | 0.29 | 217 | 315 | 2 |
| 7/22/2012 7:45:15 AM | 0.29 | 215 | 318 | 2 |
| 7/22/2012 7:46:15 AM | 0.29 | 216 | 317 | 2 |
| 7/22/2012 7:47:15 AM | 0.29 | 216 | 316 | 2 |
| 7/22/2012 7:48:15 AM | 0.30 | 216 | 316 | 3 |
| 7/22/2012 7:49:15 AM | 0.29 | 214 | 317 | 3 |
| 7/22/2012 7:50:15 AM | 0.29 | 216 | 315 | 3 |
| 7/22/2012 7:51:15 AM | 0.29 | 216 | 317 | 2 |
| 7/22/2012 7:52:15 AM | 0.29 | 216 | 317 | 2 |
| 7/22/2012 7:53:15 AM | 0.30 | 216 | 317 | 2 |
| 7/22/2012 7:54:15 AM | 0.29 | 216 | 317 | 2 |
| 7/22/2012 7:55:15 AM | 0.29 | 215 | 313 | 2 |
| 7/22/2012 7:56:15 AM | 0.29 | 214 | 312 | 2 |
| 7/22/2012 7:57:15 AM | 0.29 | 214 | 312 | 2 |
| 7/22/2012 7:58:15 AM | 0.29 | 214 | 312 | 2 |
| 7/22/2012 7:59:15 AM | 0.29 | 214 | 312 | 2 |
| 7/22/2012 8:00:15 AM | 0.29 | 214 | 310 | 2 |
| 7/22/2012 8:01:15 AM | 0.29 | 213 | 310 | 2 |
| 7/22/2012 8:02:15 AM | 0.29 | 215 | 309 | 2 |
| 7/22/2012 8:03:15 AM | 0.29 | 216 | 310 | 2 |
| 7/22/2012 8:04:15 AM | 0.29 | 216 | 310 | 2 |
| 7/22/2012 8:05:15 AM | 0.29 | 216 | 311 | 2 |
| 7/22/2012 8:06:15 AM | 0.29 | 217 | 312 | 2 |
| 7/22/2012 8:07:15 AM | 0.29 | 217 | 314 | 2 |
| 7/22/2012 8:08:15 AM | 0.29 | 216 | 312 | 2 |
| 7/22/2012 8:09:15 AM | 0.29 | 216 | 313 | 2 |
| 7/22/2012 8:10:15 AM | 0.29 | 216 | 312 | 2 |
| 7/22/2012 8:11:15 AM | 0.29 | 216 | 311 | 2 |
| 7/22/2012 8:12:15 AM | 0.29 | 217 | 311 | 2 |
| 7/22/2012 8:13:15 AM | 0.29 | 216 | 313 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 8:14:15 AM | 0.29 | 215 | 313 | 2 |
| 7/22/2012 8:15:15 AM | 0.29 | 214 | 313 | 3 |
| 7/22/2012 8:16:15 AM | 0.30 | 213 | 313 | 3 |
| 7/22/2012 8:17:15 AM | 0.29 | 214 | 312 | 3 |
| 7/22/2012 8:18:15 AM | 0.29 | 216 | 313 | 3 |
| 7/22/2012 8:19:15 AM | 0.29 | 218 | 315 | 3 |
| 7/22/2012 8:20:15 AM | 0.29 | 219 | 316 | 3 |
| 7/22/2012 8:21:15 AM | 0.29 | 218 | 317 | 3 |
| 7/22/2012 8:22:15 AM | 0.29 | 217 | 316 | 2 |
| 7/22/2012 8:23:15 AM | 0.29 | 217 | 317 | 2 |
| 7/22/2012 8:24:15 AM | 0.29 | 218 | 317 | 2 |
| 7/22/2012 8:25:15 AM | 0.29 | 217 | 317 | 2 |
| 7/22/2012 8:26:15 AM | 0.29 | 216 | 317 | 2 |
| 7/22/2012 8:27:15 AM | 0.29 | 216 | 317 | 2 |
| 7/22/2012 8:28:15 AM | 0.29 | 218 | 318 | 2 |
| 7/22/2012 8:29:15 AM | 0.29 | 218 | 317 | 2 |
| 7/22/2012 8:30:15 AM | 0.29 | 218 | 317 | 3 |
| 7/22/2012 8:31:15 AM | 0.29 | 219 | 317 | 3 |
| 7/22/2012 8:32:15 AM | 0.29 | 219 | 317 | 3 |
| 7/22/2012 8:33:15 AM | 0.29 | 218 | 318 | 2 |
| 7/22/2012 8:34:15 AM | 0.29 | 218 | 317 | 2 |
| 7/22/2012 8:35:15 AM | 0.29 | 219 | 316 | 2 |
| 7/22/2012 8:36:15 AM | 0.29 | 219 | 317 | 2 |
| 7/22/2012 8:37:15 AM | 0.29 | 219 | 318 | 2 |
| 7/22/2012 8:38:15 AM | 0.29 | 218 | 317 | 2 |
| 7/22/2012 8:39:15 AM | 0.29 | 218 | 317 | 2 |
| 7/22/2012 8:40:15 AM | 0.29 | 219 | 316 | 2 |
| 7/22/2012 8:41:15 AM | 0.29 | 219 | 315 | 2 |
| 7/22/2012 8:42:15 AM | 0.29 | 219 | 314 | 2 |
| 7/22/2012 8:43:15 AM | 0.29 | 220 | 313 | 2 |
| 7/22/2012 8:44:15 AM | 0.29 | 222 | 316 | 2 |
| 7/22/2012 8:45:15 AM | 0.29 | 222 | 318 | 2 |
| 7/22/2012 8:46:15 AM | 0.29 | 222 | 318 | 2 |
| 7/22/2012 8:47:15 AM | 0.29 | 223 | 319 | 2 |
| 7/22/2012 8:48:15 AM | 0.29 | 222 | 318 | 2 |
| 7/22/2012 8:49:15 AM | 0.29 | 222 | 318 | 2 |
| 7/22/2012 8:50:15 AM | 0.29 | 221 | 319 | 2 |
| 7/22/2012 8:51:15 AM | 0.29 | 220 | 319 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 8:52:15 AM | 0.28 | 220 | 318 | 2 |
| 7/22/2012 8:53:15 AM | 0.29 | 221 | 318 | 2 |
| 7/22/2012 8:54:15 AM | 0.28 | 221 | 321 | 2 |
| 7/22/2012 8:55:15 AM | 0.29 | 221 | 322 | 2 |
| 7/22/2012 8:56:15 AM | 0.29 | 222 | 321 | 2 |
| 7/22/2012 8:57:15 AM | 0.29 | 223 | 323 | 2 |
| 7/22/2012 8:58:15 AM | 0.29 | 224 | 322 | 2 |
| 7/22/2012 8:59:15 AM | 0.29 | 224 | 323 | 2 |
| 7/22/2012 9:00:15 AM | 0.29 | 226 | 327 | 2 |
| 7/22/2012 9:01:15 AM | 0.29 | 227 | 327 | 2 |
| 7/22/2012 9:02:15 AM | 0.29 | 226 | 328 | 2 |
| 7/22/2012 9:03:15 AM | 0.29 | 225 | 328 | 2 |
| 7/22/2012 9:04:15 AM | 0.29 | 224 | 327 | 2 |
| 7/22/2012 9:05:15 AM | 0.29 | 223 | 329 | 2 |
| 7/22/2012 9:06:15 AM | 0.29 | 222 | 330 | 2 |
| 7/22/2012 9:07:15 AM | 0.29 | 222 | 329 | 2 |
| 7/22/2012 9:08:15 AM | 0.29 | 224 | 331 | 2 |
| 7/22/2012 9:09:15 AM | 0.29 | 222 | 331 | 2 |
| 7/22/2012 9:10:15 AM | 0.29 | 222 | 331 | 2 |
| 7/22/2012 9:11:15 AM | 0.29 | 223 | 329 | 2 |
| 7/22/2012 9:12:15 AM | 0.29 | 222 | 328 | 2 |
| 7/22/2012 9:13:15 AM | 0.29 | 221 | 332 | 2 |
| 7/22/2012 9:14:15 AM | 0.29 | 221 | 330 | 2 |
| 7/22/2012 9:15:15 AM | 0.29 | 219 | 329 | 2 |
| 7/22/2012 9:16:15 AM | 0.29 | 219 | 330 | 2 |
| 7/22/2012 9:17:15 AM | 0.29 | 220 | 328 | 2 |
| 7/22/2012 9:18:15 AM | 0.29 | 221 | 328 | 2 |
| 7/22/2012 9:19:15 AM | 0.29 | 221 | 328 | 2 |
| 7/22/2012 9:20:15 AM | 0.29 | 220 | 328 | 2 |
| 7/22/2012 9:21:15 AM | 0.29 | 219 | 327 | 2 |
| 7/22/2012 9:22:15 AM | 0.29 | 218 | 328 | 2 |
| 7/22/2012 9:23:15 AM | 0.29 | 218 | 325 | 2 |
| 7/22/2012 9:24:15 AM | 0.29 | 220 | 326 | 2 |
| 7/22/2012 9:25:15 AM | 0.29 | 219 | 327 | 2 |
| 7/22/2012 9:26:15 AM | 0.29 | 219 | 327 | 2 |
| 7/22/2012 9:27:15 AM | 0.29 | 221 | 328 | 2 |
| 7/22/2012 9:28:15 AM | 0.29 | 222 | 331 | 2 |
| 7/22/2012 9:29:15 AM | 0.29 | 220 | 332 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 9:30:15 AM | 0.29 | 220 | 333 | 3 |
| 7/22/2012 9:31:15 AM | 0.29 | 219 | 333 | 3 |
| 7/22/2012 9:32:15 AM | 0.29 | 219 | 333 | 3 |
| 7/22/2012 9:33:15 AM | 0.29 | 219 | 333 | 3 |
| 7/22/2012 9:34:15 AM | 0.29 | 221 | 333 | 2 |
| 7/22/2012 9:35:15 AM | 0.29 | 223 | 336 | 2 |
| 7/22/2012 9:36:15 AM | 0.29 | 222 | 337 | 2 |
| 7/22/2012 9:37:15 AM | 0.29 | 222 | 338 | 2 |
| 7/22/2012 9:38:15 AM | 0.29 | 222 | 338 | 2 |
| 7/22/2012 9:39:15 AM | 0.29 | 222 | 340 | 2 |
| 7/22/2012 9:40:15 AM | 0.29 | 223 | 340 | 2 |
| 7/22/2012 9:41:15 AM | 0.29 | 223 | 340 | 2 |
| 7/22/2012 9:42:15 AM | 0.28 | 224 | 340 | 2 |
| 7/22/2012 9:43:15 AM | 0.28 | 224 | 343 | 2 |
| 7/22/2012 9:44:15 AM | 0.28 | 225 | 338 | 2 |
| 7/22/2012 9:45:15 AM | 0.28 | 225 | 338 | 2 |
| 7/22/2012 9:46:15 AM | 0.29 | 225 | 342 | 2 |
| 7/22/2012 9:47:15 AM | 0.29 | 223 | 339 | 2 |
| 7/22/2012 9:48:15 AM | 0.29 | 221 | 337 | 2 |
| 7/22/2012 9:49:15 AM | 0.29 | 221 | 334 | 2 |
| 7/22/2012 9:50:15 AM | 0.29 | 222 | 333 | 2 |
| 7/22/2012 9:51:15 AM | 0.29 | 223 | 332 | 2 |
| 7/22/2012 9:52:15 AM | 0.29 | 224 | 331 | 2 |
| 7/22/2012 9:53:15 AM | 0.29 | 223 | 332 | 2 |
| 7/22/2012 9:54:15 AM | 0.29 | 224 | 329 | 2 |
| 7/22/2012 9:55:15 AM | 0.28 | 225 | 331 | 2 |
| 7/22/2012 9:56:15 AM | 0.29 | 224 | 331 | 2 |
| 7/22/2012 9:57:15 AM | 0.29 | 224 | 329 | 2 |
| 7/22/2012 9:58:15 AM | 0.28 | 223 | 328 | 2 |
| 7/22/2012 9:59:15 AM | 0.29 | 223 | 327 | 2 |
| 7/22/2012 10:00:15 AM | 0.29 | 221 | 326 | 2 |
| 7/22/2012 10:01:15 AM | 0.29 | 220 | 326 | 2 |
| 7/22/2012 10:02:15 AM | 0.29 | 221 | 325 | 2 |
| 7/22/2012 10:03:15 AM | 0.29 | 222 | 324 | 3 |
| 7/22/2012 10:04:15 AM | 0.29 | 223 | 324 | 3 |
| 7/22/2012 10:05:15 AM | 0.29 | 223 | 324 | 3 |
| 7/22/2012 10:06:15 AM | 0.28 | 222 | 323 | 3 |
| 7/22/2012 10:07:15 AM | 0.29 | 222 | 321 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 10:08:15 AM | 0.29 | 220 | 321 | 2 |
| 7/22/2012 10:09:15 AM | 0.28 | 221 | 320 | 2 |
| 7/22/2012 10:10:15 AM | 0.29 | 220 | 318 | 2 |
| 7/22/2012 10:11:15 AM | 0.29 | 221 | 320 | 2 |
| 7/22/2012 10:12:15 AM | 0.29 | 222 | 321 | 3 |
| 7/22/2012 10:13:15 AM | 0.28 | 224 | 320 | 3 |
| 7/22/2012 10:14:15 AM | 0.29 | 225 | 321 | 3 |
| 7/22/2012 10:15:15 AM | 0.28 | 225 | 321 | 2 |
| 7/22/2012 10:16:15 AM | 0.29 | 225 | 321 | 2 |
| 7/22/2012 10:17:15 AM | 0.29 | 225 | 321 | 2 |
| 7/22/2012 10:18:15 AM | 0.29 | 224 | 322 | 3 |
| 7/22/2012 10:19:15 AM | 0.28 | 225 | 321 | 3 |
| 7/22/2012 10:20:15 AM | 0.28 | 225 | 322 | 3 |
| 7/22/2012 10:21:15 AM | 0.28 | 226 | 323 | 2 |
| 7/22/2012 10:22:15 AM | 0.29 | 225 | 321 | 2 |
| 7/22/2012 10:23:15 AM | 0.28 | 225 | 319 | 2 |
| 7/22/2012 10:24:15 AM | 0.29 | 225 | 321 | 3 |
| 7/22/2012 10:25:15 AM | 0.28 | 225 | 320 | 3 |
| 7/22/2012 10:26:15 AM | 0.29 | 225 | 321 | 3 |
| 7/22/2012 10:27:15 AM | 0.28 | 225 | 321 | 3 |
| 7/22/2012 10:28:15 AM | 0.28 | 224 | 319 | 2 |
| 7/22/2012 10:29:15 AM | 0.28 | 224 | 319 | 2 |
| 7/22/2012 10:30:15 AM | 0.28 | 224 | 321 | 2 |
| 7/22/2012 10:31:15 AM | 0.29 | 225 | 322 | 2 |
| 7/22/2012 10:32:15 AM | 0.28 | 225 | 322 | 2 |
| 7/22/2012 10:33:15 AM | 0.28 | 225 | 322 | 2 |
| 7/22/2012 10:34:15 AM | 0.28 | 224 | 320 | 2 |
| 7/22/2012 10:35:15 AM | 0.29 | 226 | 321 | 2 |
| 7/22/2012 10:36:15 AM | 0.29 | 226 | 322 | 2 |
| 7/22/2012 10:37:15 AM | 0.29 | 227 | 322 | 2 |
| 7/22/2012 10:38:15 AM | 0.28 | 227 | 323 | 2 |
| 7/22/2012 10:39:15 AM | 0.28 | 226 | 321 | 2 |
| 7/22/2012 10:40:15 AM | 0.28 | 225 | 319 | 2 |
| 7/22/2012 10:41:15 AM | 0.28 | 225 | 319 | 2 |
| 7/22/2012 10:42:15 AM | 0.28 | 223 | 318 | 2 |
| 7/22/2012 10:43:15 AM | 0.29 | 224 | 318 | 2 |
| 7/22/2012 10:44:15 AM | 0.28 | 226 | 320 | 2 |
| 7/22/2012 10:45:15 AM | 0.28 | 226 | 320 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 10:46:15 AM | 0.29 | 226 | 318 | 2 |
| 7/22/2012 10:47:15 AM | 0.29 | 225 | 317 | 2 |
| 7/22/2012 10:48:15 AM | 0.28 | 224 | 317 | 2 |
| 7/22/2012 10:49:15 AM | 0.28 | 224 | 318 | 2 |
| 7/22/2012 10:50:15 AM | 0.29 | 224 | 318 | 2 |
| 7/22/2012 10:51:15 AM | 0.28 | 223 | 322 | 3 |
| 7/22/2012 10:52:15 AM | 0.29 | 223 | 322 | 3 |
| 7/22/2012 10:53:15 AM | 0.28 | 224 | 322 | 3 |
| 7/22/2012 10:54:15 AM | 0.28 | 223 | 323 | 3 |
| 7/22/2012 10:55:15 AM | 0.29 | 221 | 321 | 2 |
| 7/22/2012 10:56:15 AM | 0.29 | 221 | 322 | 2 |
| 7/22/2012 10:57:15 AM | 0.29 | 222 | 325 | 2 |
| 7/22/2012 10:58:15 AM | 0.29 | 221 | 325 | 2 |
| 7/22/2012 10:59:15 AM | 0.28 | 222 | 323 | 2 |
| 7/22/2012 11:00:15 AM | 0.29 | 222 | 323 | 2 |
| 7/22/2012 11:01:15 AM | 0.28 | 221 | 323 | 2 |
| 7/22/2012 11:02:15 AM | 0.28 | 220 | 324 | 2 |
| 7/22/2012 11:03:15 AM | 0.29 | 221 | 327 | 2 |
| 7/22/2012 11:04:15 AM | 0.28 | 222 | 326 | 2 |
| 7/22/2012 11:05:15 AM | Start Calibration Check | | | |
| 7/22/2012 11:06:15 AM | | | | |
| 7/22/2012 11:07:15 AM | | | | |
| 7/22/2012 11:08:15 AM | | | | |
| 7/22/2012 11:09:15 AM | | | | |
| 7/22/2012 11:10:15 AM | | | | |
| 7/22/2012 11:11:15 AM | | | | |
| 7/22/2012 11:12:15 AM | | | | |
| 7/22/2012 11:13:15 AM | | | | |
| 7/22/2012 11:14:15 AM | | | | |
| 7/22/2012 11:15:15 AM | | | | |
| 7/22/2012 11:16:15 AM | | | | |
| 7/22/2012 11:17:15 AM | | | | |
| 7/22/2012 11:18:15 AM | | | | |
| 7/22/2012 11:19:15 AM | | | | |
| 7/22/2012 11:20:15 AM | | | | |
| 7/22/2012 11:21:15 AM | | | | |
| 7/22/2012 11:22:15 AM | | | | |
| 7/22/2012 11:23:15 AM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 11:24:15 AM | | | | |
| 7/22/2012 11:25:15 AM | | | | |
| 7/22/2012 11:26:15 AM | | | | |
| 7/22/2012 11:27:15 AM | | | | |
| 7/22/2012 11:28:15 AM | | | | |
| 7/22/2012 11:29:15 AM | | | | |
| 7/22/2012 11:30:15 AM | | | | |
| 7/22/2012 11:31:15 AM | | | | |
| 7/22/2012 11:32:15 AM | | | | |
| 7/22/2012 11:33:15 AM | | | | |
| 7/22/2012 11:34:15 AM | | | | |
| 7/22/2012 11:35:15 AM | | | | |
| 7/22/2012 11:36:15 AM | End Calibration check | | | |
| 7/22/2012 11:37:15 AM | 0.29 | 221 | 251 | 3 |
| 7/22/2012 11:38:15 AM | 0.29 | 220 | 255 | 3 |
| 7/22/2012 11:39:15 AM | 0.28 | 218 | 259 | 3 |
| 7/22/2012 11:40:15 AM | 0.29 | 219 | 264 | 3 |
| 7/22/2012 11:41:15 AM | 0.29 | 219 | 266 | 3 |
| 7/22/2012 11:42:15 AM | 0.29 | 218 | 269 | 3 |
| 7/22/2012 11:43:15 AM | 0.29 | 218 | 272 | 3 |
| 7/22/2012 11:44:15 AM | 0.29 | 219 | 272 | 3 |
| 7/22/2012 11:45:15 AM | 0.28 | 219 | 273 | 3 |
| 7/22/2012 11:46:15 AM | 0.29 | 217 | 275 | 3 |
| 7/22/2012 11:47:15 AM | 0.29 | 218 | 277 | 3 |
| 7/22/2012 11:48:15 AM | 0.29 | 218 | 278 | 2 |
| 7/22/2012 11:49:15 AM | 0.29 | 217 | 278 | 2 |
| 7/22/2012 11:50:15 AM | 0.29 | 216 | 280 | 2 |
| 7/22/2012 11:51:15 AM | 0.28 | 216 | 281 | 3 |
| 7/22/2012 11:52:15 AM | 0.29 | 216 | 281 | 3 |
| 7/22/2012 11:53:15 AM | 0.28 | 216 | 282 | 3 |
| 7/22/2012 11:54:15 AM | 0.29 | 217 | 283 | 3 |
| 7/22/2012 11:55:15 AM | 0.29 | 217 | 285 | 3 |
| 7/22/2012 11:56:15 AM | 0.29 | 217 | 286 | 3 |
| 7/22/2012 11:57:15 AM | 0.29 | 218 | 288 | 2 |
| 7/22/2012 11:58:15 AM | 0.29 | 218 | 291 | 2 |
| 7/22/2012 11:59:15 AM | 0.29 | 219 | 292 | 2 |
| 7/22/2012 12:00:15 PM | 0.29 | 219 | 294 | 2 |
| 7/22/2012 12:01:15 PM | 0.29 | 220 | 294 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 12:02:15 PM | 0.28 | 221 | 296 | 3 |
| 7/22/2012 12:03:15 PM | 0.29 | 220 | 298 | 2 |
| 7/22/2012 12:04:15 PM | 0.29 | 220 | 298 | 3 |
| 7/22/2012 12:05:15 PM | 0.29 | 218 | 298 | 3 |
| 7/22/2012 12:06:15 PM | 0.29 | 218 | 298 | 2 |
| 7/22/2012 12:07:15 PM | 0.29 | 218 | 299 | 3 |
| 7/22/2012 12:08:15 PM | 0.29 | 218 | 299 | 3 |
| 7/22/2012 12:09:15 PM | 0.29 | 219 | 300 | 2 |
| 7/22/2012 12:10:15 PM | 0.29 | 219 | 302 | 2 |
| 7/22/2012 12:11:15 PM | 0.29 | 219 | 301 | 3 |
| 7/22/2012 12:12:15 PM | 0.28 | 219 | 300 | 3 |
| 7/22/2012 12:13:15 PM | 0.29 | 218 | 302 | 3 |
| 7/22/2012 12:14:15 PM | 0.28 | 218 | 302 | 3 |
| 7/22/2012 12:15:15 PM | 0.28 | 217 | 303 | 3 |
| 7/22/2012 12:16:15 PM | 0.28 | 217 | 304 | 3 |
| 7/22/2012 12:17:15 PM | 0.29 | 218 | 305 | 3 |
| 7/22/2012 12:18:15 PM | 0.29 | 217 | 306 | 3 |
| 7/22/2012 12:19:15 PM | 0.29 | 217 | 306 | 3 |
| 7/22/2012 12:20:15 PM | 0.29 | 217 | 307 | 3 |
| 7/22/2012 12:21:15 PM | 0.29 | 218 | 307 | 3 |
| 7/22/2012 12:22:15 PM | 0.28 | 218 | 306 | 3 |
| 7/22/2012 12:23:15 PM | 0.29 | 217 | 307 | 3 |
| 7/22/2012 12:24:15 PM | 0.29 | 216 | 307 | 2 |
| 7/22/2012 12:25:15 PM | 0.29 | 215 | 307 | 3 |
| 7/22/2012 12:26:15 PM | 0.29 | 215 | 306 | 2 |
| 7/22/2012 12:27:15 PM | 0.29 | 216 | 307 | 2 |
| 7/22/2012 12:28:15 PM | 0.29 | 216 | 308 | 2 |
| 7/22/2012 12:29:15 PM | 0.29 | 217 | 306 | 3 |
| 7/22/2012 12:30:15 PM | 0.29 | 216 | 307 | 2 |
| 7/22/2012 12:31:15 PM | 0.29 | 215 | 306 | 2 |
| 7/22/2012 12:32:15 PM | 0.29 | 214 | 305 | 2 |
| 7/22/2012 12:33:15 PM | 0.29 | 215 | 305 | 3 |
| 7/22/2012 12:34:15 PM | 0.29 | 216 | 306 | 3 |
| 7/22/2012 12:35:15 PM | 0.29 | 216 | 307 | 3 |
| 7/22/2012 12:36:15 PM | 0.29 | 217 | 307 | 2 |
| 7/22/2012 12:37:15 PM | 0.29 | 218 | 309 | 2 |
| 7/22/2012 12:38:15 PM | 0.29 | 217 | 307 | 3 |
| 7/22/2012 12:39:15 PM | 0.29 | 216 | 307 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 12:40:15 PM | 0.30 | 215 | 305 | 4 |
| 7/22/2012 12:41:15 PM | 0.29 | 215 | 304 | 3 |
| 7/22/2012 12:42:15 PM | 0.29 | 214 | 305 | 3 |
| 7/22/2012 12:43:15 PM | 0.29 | 214 | 307 | 3 |
| 7/22/2012 12:44:15 PM | 0.29 | 215 | 306 | 3 |
| 7/22/2012 12:45:15 PM | 0.29 | 216 | 307 | 3 |
| 7/22/2012 12:46:15 PM | 0.29 | 217 | 308 | 3 |
| 7/22/2012 12:47:15 PM | 0.29 | 216 | 306 | 3 |
| 7/22/2012 12:48:15 PM | 0.29 | 216 | 307 | 3 |
| 7/22/2012 12:49:15 PM | 0.29 | 215 | 308 | 3 |
| 7/22/2012 12:50:15 PM | 0.29 | 215 | 306 | 3 |
| 7/22/2012 12:51:15 PM | 0.29 | 215 | 307 | 3 |
| 7/22/2012 12:52:15 PM | 0.29 | 216 | 309 | 3 |
| 7/22/2012 12:53:15 PM | 0.29 | 217 | 309 | 3 |
| 7/22/2012 12:54:15 PM | 0.29 | 217 | 309 | 2 |
| 7/22/2012 12:55:15 PM | 0.29 | 217 | 311 | 2 |
| 7/22/2012 12:56:15 PM | 0.29 | 217 | 312 | 3 |
| 7/22/2012 12:57:15 PM | 0.29 | 217 | 309 | 2 |
| 7/22/2012 12:58:15 PM | 0.29 | 215 | 309 | 3 |
| 7/22/2012 12:59:15 PM | 0.29 | 215 | 310 | 3 |
| 7/22/2012 1:00:15 PM | 0.30 | 214 | 310 | 3 |
| 7/22/2012 1:01:15 PM | 0.29 | 212 | 307 | 3 |
| 7/22/2012 1:02:15 PM | 0.29 | 212 | 306 | 3 |
| 7/22/2012 1:03:15 PM | 0.29 | 213 | 308 | 2 |
| 7/22/2012 1:04:15 PM | 0.30 | 212 | 310 | 3 |
| 7/22/2012 1:05:15 PM | 0.29 | 212 | 309 | 2 |
| 7/22/2012 1:06:15 PM | 0.29 | 213 | 308 | 2 |
| 7/22/2012 1:07:15 PM | 0.29 | 213 | 310 | 3 |
| 7/22/2012 1:08:15 PM | 0.29 | 212 | 309 | 3 |
| 7/22/2012 1:09:15 PM | 0.29 | 212 | 309 | 3 |
| 7/22/2012 1:10:15 PM | 0.30 | 211 | 309 | 3 |
| 7/22/2012 1:11:15 PM | 0.29 | 210 | 307 | 2 |
| 7/22/2012 1:12:15 PM | 0.29 | 211 | 308 | 3 |
| 7/22/2012 1:13:15 PM | 0.29 | 211 | 310 | 2 |
| 7/22/2012 1:14:15 PM | 0.29 | 210 | 311 | 2 |
| 7/22/2012 1:15:15 PM | 0.30 | 211 | 310 | 2 |
| 7/22/2012 1:16:15 PM | 0.29 | 212 | 311 | 2 |
| 7/22/2012 1:17:15 PM | 0.29 | 212 | 312 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 1:18:15 PM | 0.29 | 212 | 312 | 3 |
| 7/22/2012 1:19:15 PM | 0.30 | 212 | 312 | 3 |
| 7/22/2012 1:20:15 PM | 0.30 | 212 | 308 | 3 |
| 7/22/2012 1:21:15 PM | 0.29 | 211 | 311 | 3 |
| 7/22/2012 1:22:15 PM | 0.30 | 211 | 311 | 3 |
| 7/22/2012 1:23:15 PM | 0.29 | 210 | 311 | 3 |
| 7/22/2012 1:24:15 PM | 0.30 | 209 | 312 | 2 |
| 7/22/2012 1:25:15 PM | 0.30 | 210 | 313 | 2 |
| 7/22/2012 1:26:15 PM | 0.29 | 210 | 312 | 3 |
| 7/22/2012 1:27:15 PM | 0.30 | 210 | 312 | 3 |
| 7/22/2012 1:28:15 PM | 0.29 | 210 | 311 | 3 |
| 7/22/2012 1:29:15 PM | 0.29 | 208 | 309 | 3 |
| 7/22/2012 1:30:15 PM | 0.29 | 209 | 310 | 3 |
| 7/22/2012 1:31:15 PM | 0.30 | 209 | 312 | 3 |
| 7/22/2012 1:32:15 PM | 0.29 | 210 | 312 | 3 |
| 7/22/2012 1:33:15 PM | 0.30 | 212 | 311 | 3 |
| 7/22/2012 1:34:15 PM | 0.29 | 213 | 311 | 3 |
| 7/22/2012 1:35:15 PM | 0.29 | 214 | 312 | 3 |
| 7/22/2012 1:36:15 PM | 0.29 | 215 | 315 | 2 |
| 7/22/2012 1:37:15 PM | 0.29 | 215 | 313 | 2 |
| 7/22/2012 1:38:15 PM | 0.29 | 214 | 312 | 3 |
| 7/22/2012 1:39:15 PM | 0.29 | 213 | 312 | 4 |
| 7/22/2012 1:40:15 PM | 0.29 | 214 | 314 | 4 |
| 7/22/2012 1:41:15 PM | 0.29 | 214 | 314 | 3 |
| 7/22/2012 1:42:15 PM | 0.29 | 213 | 317 | 2 |
| 7/22/2012 1:43:15 PM | 0.29 | 215 | 315 | 2 |
| 7/22/2012 1:44:15 PM | 0.29 | 215 | 313 | 2 |
| 7/22/2012 1:45:15 PM | 0.30 | 214 | 313 | 2 |
| 7/22/2012 1:46:15 PM | 0.30 | 212 | 310 | 2 |
| 7/22/2012 1:47:15 PM | 0.29 | 211 | 309 | 3 |
| 7/22/2012 1:48:15 PM | 0.29 | 212 | 311 | 3 |
| 7/22/2012 1:49:15 PM | 0.30 | 213 | 312 | 3 |
| 7/22/2012 1:50:15 PM | 0.29 | 212 | 323 | 3 |
| 7/22/2012 1:51:15 PM | 0.29 | 212 | 331 | 3 |
| 7/22/2012 1:52:15 PM | 0.30 | 211 | 320 | 3 |
| 7/22/2012 1:53:15 PM | 0.30 | 211 | 314 | 3 |
| 7/22/2012 1:54:15 PM | 0.30 | 212 | 312 | 2 |
| 7/22/2012 1:55:15 PM | 0.29 | 212 | 312 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 1:56:15 PM | 0.30 | 212 | 311 | 3 |
| 7/22/2012 1:57:15 PM | 0.30 | 211 | 311 | 3 |
| 7/22/2012 1:58:15 PM | 0.30 | 210 | 308 | 3 |
| 7/22/2012 1:59:15 PM | 0.29 | 210 | 307 | 3 |
| 7/22/2012 2:00:15 PM | 0.29 | 211 | 306 | 3 |
| 7/22/2012 2:01:15 PM | 0.29 | 213 | 306 | 4 |
| 7/22/2012 2:02:15 PM | 0.29 | 213 | 309 | 4 |
| 7/22/2012 2:03:15 PM | 0.29 | 215 | 315 | 3 |
| 7/22/2012 2:04:15 PM | 0.29 | 213 | 313 | 3 |
| 7/22/2012 2:05:15 PM | 0.29 | 212 | 311 | 3 |
| 7/22/2012 2:06:15 PM | 0.29 | 213 | 312 | 3 |
| 7/22/2012 2:07:15 PM | 0.29 | 213 | 312 | 3 |
| 7/22/2012 2:08:15 PM | 0.29 | 213 | 312 | 3 |
| 7/22/2012 2:09:15 PM | 0.29 | 213 | 314 | 3 |
| 7/22/2012 2:10:15 PM | 0.29 | 213 | 313 | 3 |
| 7/22/2012 2:11:15 PM | 0.29 | 213 | 311 | 3 |
| 7/22/2012 2:12:15 PM | 0.29 | 212 | 312 | 2 |
| 7/22/2012 2:13:15 PM | 0.29 | 213 | 314 | 2 |
| 7/22/2012 2:14:15 PM | 0.29 | 214 | 315 | 2 |
| 7/22/2012 2:15:15 PM | 0.29 | 212 | 315 | 2 |
| 7/22/2012 2:16:15 PM | 0.29 | 210 | 313 | 3 |
| 7/22/2012 2:17:15 PM | 0.29 | 209 | 312 | 3 |
| 7/22/2012 2:18:15 PM | 0.30 | 210 | 312 | 3 |
| 7/22/2012 2:19:15 PM | 0.29 | 210 | 312 | 3 |
| 7/22/2012 2:20:15 PM | 0.29 | 211 | 311 | 3 |
| 7/22/2012 2:21:15 PM | 0.30 | 212 | 308 | 3 |
| 7/22/2012 2:22:15 PM | 0.29 | 212 | 311 | 3 |
| 7/22/2012 2:23:15 PM | 0.29 | 212 | 310 | 3 |
| 7/22/2012 2:24:15 PM | 0.29 | 212 | 312 | 2 |
| 7/22/2012 2:25:15 PM | 0.29 | 212 | 312 | 2 |
| 7/22/2012 2:26:15 PM | 0.30 | 212 | 312 | 3 |
| 7/22/2012 2:27:15 PM | 0.31 | 213 | 313 | 3 |
| 7/22/2012 2:28:15 PM | 0.30 | 211 | 312 | 3 |
| 7/22/2012 2:29:15 PM | 0.29 | 210 | 310 | 3 |
| 7/22/2012 2:30:15 PM | 0.29 | 210 | 310 | 3 |
| 7/22/2012 2:31:15 PM | 0.30 | 210 | 310 | 4 |
| 7/22/2012 2:32:15 PM | 0.30 | 210 | 309 | 3 |
| 7/22/2012 2:33:15 PM | 0.30 | 210 | 308 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 2:34:15 PM | 0.30 | 211 | 308 | 2 |
| 7/22/2012 2:35:15 PM | 0.30 | 210 | 308 | 3 |
| 7/22/2012 2:36:15 PM | 0.30 | 209 | 307 | 4 |
| 7/22/2012 2:37:15 PM | 0.29 | 210 | 308 | 4 |
| 7/22/2012 2:38:15 PM | 0.29 | 211 | 309 | 3 |
| 7/22/2012 2:39:15 PM | 0.29 | 212 | 311 | 3 |
| 7/22/2012 2:40:15 PM | 0.29 | 213 | 310 | 3 |
| 7/22/2012 2:41:15 PM | 0.29 | 212 | 310 | 3 |
| 7/22/2012 2:42:15 PM | 0.29 | 211 | 311 | 3 |
| 7/22/2012 2:43:15 PM | 0.29 | 211 | 310 | 3 |
| 7/22/2012 2:44:15 PM | 0.29 | 210 | 311 | 3 |
| 7/22/2012 2:45:15 PM | 0.29 | 209 | 311 | 4 |
| 7/22/2012 2:46:15 PM | 0.29 | 211 | 311 | 3 |
| 7/22/2012 2:47:15 PM | 0.29 | 212 | 311 | 3 |
| 7/22/2012 2:48:15 PM | 0.29 | 212 | 312 | 3 |
| 7/22/2012 2:49:15 PM | 0.30 | 214 | 312 | 3 |
| 7/22/2012 2:50:15 PM | 0.30 | 213 | 313 | 3 |
| 7/22/2012 2:51:15 PM | 0.29 | 211 | 313 | 3 |
| 7/22/2012 2:52:15 PM | 0.30 | 210 | 313 | 3 |
| 7/22/2012 2:53:15 PM | 0.29 | 210 | 312 | 3 |
| 7/22/2012 2:54:15 PM | 0.29 | 210 | 312 | 3 |
| 7/22/2012 2:55:15 PM | 0.30 | 211 | 316 | 3 |
| 7/22/2012 2:56:15 PM | 0.29 | 210 | 314 | 3 |
| 7/22/2012 2:57:15 PM | 0.30 | 211 | 316 | 3 |
| 7/22/2012 2:58:15 PM | 0.29 | 211 | 317 | 3 |
| 7/22/2012 2:59:15 PM | 0.29 | 210 | 317 | 3 |
| 7/22/2012 3:00:15 PM | 0.29 | 211 | 319 | 3 |
| 7/22/2012 3:01:15 PM | 0.30 | 210 | 321 | 3 |
| 7/22/2012 3:02:15 PM | 0.30 | 211 | 321 | 3 |
| 7/22/2012 3:03:15 PM | 0.29 | 211 | 322 | 3 |
| 7/22/2012 3:04:15 PM | 0.29 | 211 | 323 | 3 |
| 7/22/2012 3:05:15 PM | 0.29 | 212 | 324 | 3 |
| 7/22/2012 3:06:15 PM | 0.29 | 212 | 327 | 3 |
| 7/22/2012 3:07:15 PM | 0.29 | 212 | 328 | 3 |
| 7/22/2012 3:08:15 PM | 0.29 | 214 | 329 | 3 |
| 7/22/2012 3:09:15 PM | 0.29 | 214 | 331 | 3 |
| 7/22/2012 3:10:15 PM | 0.29 | 214 | 333 | 3 |
| 7/22/2012 3:11:15 PM | 0.29 | 214 | 333 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 3:12:15 PM | 0.30 | 213 | 335 | 3 |
| 7/22/2012 3:13:15 PM | 0.29 | 213 | 335 | 3 |
| 7/22/2012 3:14:15 PM | 0.29 | 213 | 334 | 4 |
| 7/22/2012 3:15:15 PM | 0.29 | 214 | 336 | 3 |
| 7/22/2012 3:16:15 PM | 0.29 | 212 | 336 | 3 |
| 7/22/2012 3:17:15 PM | 0.29 | 212 | 337 | 3 |
| 7/22/2012 3:18:15 PM | 0.30 | 212 | 336 | 3 |
| 7/22/2012 3:19:15 PM | 0.29 | 213 | 337 | 4 |
| 7/22/2012 3:20:15 PM | 0.30 | 213 | 336 | 3 |
| 7/22/2012 3:21:15 PM | 0.30 | 212 | 337 | 2 |
| 7/22/2012 3:22:15 PM | 0.29 | 212 | 337 | 2 |
| 7/22/2012 3:23:15 PM | 0.29 | 212 | 337 | 3 |
| 7/22/2012 3:24:15 PM | 0.29 | 212 | 338 | 3 |
| 7/22/2012 3:25:15 PM | 0.30 | 214 | 339 | 3 |
| 7/22/2012 3:26:15 PM | 0.29 | 214 | 340 | 3 |
| 7/22/2012 3:27:15 PM | 0.29 | 212 | 338 | 4 |
| 7/22/2012 3:28:15 PM | 0.29 | 212 | 337 | 4 |
| 7/22/2012 3:29:15 PM | 0.29 | 213 | 337 | 4 |
| 7/22/2012 3:30:15 PM | 0.30 | 214 | 337 | 3 |
| 7/22/2012 3:31:15 PM | 0.29 | 213 | 338 | 3 |
| 7/22/2012 3:32:15 PM | 0.30 | 213 | 337 | 4 |
| 7/22/2012 3:33:15 PM | 0.29 | 212 | 338 | 4 |
| 7/22/2012 3:34:15 PM | 0.30 | 212 | 337 | 4 |
| 7/22/2012 3:35:15 PM | 0.29 | 211 | 338 | 4 |
| 7/22/2012 3:36:15 PM | 0.29 | 211 | 337 | 3 |
| 7/22/2012 3:37:15 PM | 0.29 | 210 | 339 | 3 |
| 7/22/2012 3:38:15 PM | 0.30 | 211 | 338 | 3 |
| 7/22/2012 3:39:15 PM | 0.29 | 211 | 339 | 3 |
| 7/22/2012 3:40:15 PM | 0.29 | 212 | 341 | 3 |
| 7/22/2012 3:41:15 PM | 0.29 | 213 | 342 | 3 |
| 7/22/2012 3:42:15 PM | 0.29 | 213 | 343 | 4 |
| 7/22/2012 3:43:15 PM | 0.29 | 213 | 343 | 4 |
| 7/22/2012 3:44:15 PM | 0.29 | 211 | 344 | 4 |
| 7/22/2012 3:45:15 PM | 0.29 | 211 | 344 | 3 |
| 7/22/2012 3:46:15 PM | 0.29 | 211 | 344 | 3 |
| 7/22/2012 3:47:15 PM | 0.29 | 212 | 344 | 4 |
| 7/22/2012 3:48:15 PM | 0.30 | 211 | 344 | 4 |
| 7/22/2012 3:49:15 PM | 0.30 | 210 | 342 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 3:50:15 PM | 0.30 | 209 | 342 | 4 |
| 7/22/2012 3:51:15 PM | 0.29 | 208 | 342 | 4 |
| 7/22/2012 3:52:15 PM | 0.30 | 208 | 339 | 4 |
| 7/22/2012 3:53:15 PM | 0.31 | 208 | 338 | 4 |
| 7/22/2012 3:54:15 PM | 0.31 | 209 | 340 | 3 |
| 7/22/2012 3:55:15 PM | 0.30 | 209 | 340 | 3 |
| 7/22/2012 3:56:15 PM | 0.30 | 207 | 338 | 4 |
| 7/22/2012 3:57:15 PM | 0.30 | 208 | 340 | 4 |
| 7/22/2012 3:58:15 PM | 0.30 | 208 | 340 | 4 |
| 7/22/2012 3:59:15 PM | 0.29 | 210 | 338 | 4 |
| 7/22/2012 4:00:15 PM | 0.29 | 210 | 341 | 4 |
| 7/22/2012 4:01:15 PM | 0.30 | 211 | 341 | 4 |
| 7/22/2012 4:02:15 PM | 0.30 | 209 | 341 | 4 |
| 7/22/2012 4:03:15 PM | 0.30 | 208 | 340 | 4 |
| 7/22/2012 4:04:15 PM | 0.30 | 208 | 341 | 4 |
| 7/22/2012 4:05:15 PM | 0.30 | 208 | 342 | 4 |
| 7/22/2012 4:06:15 PM | 0.30 | 207 | 340 | 4 |
| 7/22/2012 4:07:15 PM | 0.30 | 206 | 337 | 4 |
| 7/22/2012 4:08:15 PM | 0.30 | 205 | 339 | 4 |
| 7/22/2012 4:09:15 PM | 0.30 | 205 | 338 | 4 |
| 7/22/2012 4:10:15 PM | 0.30 | 206 | 337 | 4 |
| 7/22/2012 4:11:15 PM | 0.30 | 207 | 337 | 4 |
| 7/22/2012 4:12:15 PM | 0.30 | 208 | 337 | 4 |
| 7/22/2012 4:13:15 PM | 0.30 | 209 | 340 | 4 |
| 7/22/2012 4:14:15 PM | 0.31 | 208 | 340 | 4 |
| 7/22/2012 4:15:15 PM | 0.30 | 208 | 338 | 4 |
| 7/22/2012 4:16:15 PM | 0.30 | 208 | 338 | 4 |
| 7/22/2012 4:17:15 PM | 0.30 | 207 | 339 | 4 |
| 7/22/2012 4:18:15 PM | 0.30 | 207 | 337 | 4 |
| 7/22/2012 4:19:15 PM | 0.30 | 207 | 338 | 4 |
| 7/22/2012 4:20:15 PM | 0.30 | 206 | 337 | 4 |
| 7/22/2012 4:21:15 PM | 0.30 | 206 | 338 | 4 |
| 7/22/2012 4:22:15 PM | 0.30 | 207 | 337 | 4 |
| 7/22/2012 4:23:15 PM | 0.31 | 206 | 338 | 4 |
| 7/22/2012 4:24:15 PM | 0.30 | 205 | 337 | 4 |
| 7/22/2012 4:25:15 PM | 0.30 | 206 | 337 | 4 |
| 7/22/2012 4:26:15 PM | 0.30 | 207 | 337 | 4 |
| 7/22/2012 4:27:15 PM | 0.29 | 206 | 334 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 4:28:15 PM | 0.30 | 207 | 335 | 4 |
| 7/22/2012 4:29:15 PM | 0.30 | 207 | 335 | 4 |
| 7/22/2012 4:30:15 PM | 0.31 | 206 | 334 | 4 |
| 7/22/2012 4:31:15 PM | 0.30 | 205 | 333 | 4 |
| 7/22/2012 4:32:15 PM | 0.30 | 206 | 331 | 4 |
| 7/22/2012 4:33:15 PM | 0.30 | 208 | 331 | 4 |
| 7/22/2012 4:34:15 PM | 0.30 | 207 | 329 | 4 |
| 7/22/2012 4:35:15 PM | 0.30 | 206 | 328 | 4 |
| 7/22/2012 4:36:15 PM | 0.30 | 206 | 326 | 4 |
| 7/22/2012 4:37:15 PM | 0.30 | 206 | 326 | 4 |
| 7/22/2012 4:38:15 PM | 0.30 | 207 | 327 | 5 |
| 7/22/2012 4:39:15 PM | 0.31 | 205 | 325 | 5 |
| 7/22/2012 4:40:15 PM | 0.30 | 204 | 326 | 5 |
| 7/22/2012 4:41:15 PM | 0.30 | 205 | 325 | 5 |
| 7/22/2012 4:42:15 PM | 0.30 | 205 | 326 | 4 |
| 7/22/2012 4:43:15 PM | 0.30 | 206 | 325 | 4 |
| 7/22/2012 4:44:15 PM | 0.30 | 206 | 322 | 4 |
| 7/22/2012 4:45:15 PM | 0.29 | 206 | 322 | 4 |
| 7/22/2012 4:46:15 PM | 0.30 | 207 | 322 | 4 |
| 7/22/2012 4:47:15 PM | 0.30 | 207 | 322 | 4 |
| 7/22/2012 4:48:15 PM | 0.30 | 207 | 323 | 4 |
| 7/22/2012 4:49:15 PM | 0.30 | 207 | 321 | 4 |
| 7/22/2012 4:50:15 PM | 0.31 | 207 | 321 | 4 |
| 7/22/2012 4:51:15 PM | 0.30 | 206 | 319 | 4 |
| 7/22/2012 4:52:15 PM | 0.31 | 206 | 317 | 4 |
| 7/22/2012 4:53:15 PM | 0.30 | 206 | 317 | 5 |
| 7/22/2012 4:54:15 PM | 0.30 | 207 | 318 | 5 |
| 7/22/2012 4:55:15 PM | 0.30 | 207 | 317 | 5 |
| 7/22/2012 4:56:15 PM | 0.30 | 207 | 318 | 5 |
| 7/22/2012 4:57:15 PM | 0.30 | 207 | 317 | 4 |
| 7/22/2012 4:58:15 PM | 0.30 | 207 | 316 | 4 |
| 7/22/2012 4:59:15 PM | 0.30 | 206 | 315 | 5 |
| 7/22/2012 5:00:15 PM | 0.30 | 206 | 313 | 5 |
| 7/22/2012 5:01:15 PM | 0.30 | 206 | 313 | 5 |
| 7/22/2012 5:02:15 PM | 0.29 | 205 | 312 | 5 |
| 7/22/2012 5:03:15 PM | 0.30 | 205 | 312 | 4 |
| 7/22/2012 5:04:15 PM | 0.30 | 206 | 312 | 4 |
| 7/22/2012 5:05:15 PM | 0.30 | 207 | 313 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 5:06:15 PM | 0.30 | 207 | 315 | 4 |
| 7/22/2012 5:07:15 PM | 0.30 | 206 | 313 | 4 |
| 7/22/2012 5:08:15 PM | 0.30 | 206 | 311 | 4 |
| 7/22/2012 5:09:15 PM | 0.30 | 206 | 313 | 4 |
| 7/22/2012 5:10:15 PM | 0.30 | 207 | 311 | 4 |
| 7/22/2012 5:11:15 PM | 0.29 | 207 | 312 | 4 |
| 7/22/2012 5:12:15 PM | 0.30 | 207 | 312 | 4 |
| 7/22/2012 5:13:15 PM | 0.30 | 208 | 312 | 4 |
| 7/22/2012 5:14:15 PM | 0.30 | 208 | 311 | 4 |
| 7/22/2012 5:15:15 PM | 0.30 | 207 | 310 | 4 |
| 7/22/2012 5:16:15 PM | 0.30 | 207 | 308 | 4 |
| 7/22/2012 5:17:15 PM | 0.30 | 206 | 307 | 4 |
| 7/22/2012 5:18:15 PM | 0.30 | 207 | 310 | 4 |
| 7/22/2012 5:19:15 PM | 0.30 | 208 | 308 | 4 |
| 7/22/2012 5:20:15 PM | 0.29 | 207 | 307 | 4 |
| 7/22/2012 5:21:15 PM | 0.30 | 207 | 308 | 4 |
| 7/22/2012 5:22:15 PM | 0.29 | 206 | 306 | 4 |
| 7/22/2012 5:23:15 PM | 0.30 | 207 | 306 | 4 |
| 7/22/2012 5:24:15 PM | 0.30 | 206 | 308 | 4 |
| 7/22/2012 5:25:15 PM | 0.30 | 206 | 308 | 4 |
| 7/22/2012 5:26:15 PM | 0.30 | 206 | 305 | 4 |
| 7/22/2012 5:27:15 PM | 0.30 | 206 | 307 | 4 |
| 7/22/2012 5:28:15 PM | 0.30 | 206 | 305 | 4 |
| 7/22/2012 5:29:15 PM | 0.30 | 206 | 303 | 4 |
| 7/22/2012 5:30:15 PM | 0.30 | 206 | 302 | 4 |
| 7/22/2012 5:31:15 PM | 0.30 | 205 | 302 | 4 |
| 7/22/2012 5:32:15 PM | 0.30 | 205 | 302 | 4 |
| 7/22/2012 5:33:15 PM | 0.30 | 206 | 301 | 4 |
| 7/22/2012 5:34:15 PM | 0.30 | 205 | 302 | 4 |
| 7/22/2012 5:35:15 PM | 0.29 | 205 | 302 | 4 |
| 7/22/2012 5:36:15 PM | 0.30 | 206 | 302 | 4 |
| 7/22/2012 5:37:15 PM | 0.30 | 207 | 302 | 4 |
| 7/22/2012 5:38:15 PM | 0.30 | 206 | 301 | 4 |
| 7/22/2012 5:39:15 PM | 0.30 | 206 | 303 | 4 |
| 7/22/2012 5:40:15 PM | 0.30 | 206 | 304 | 4 |
| 7/22/2012 5:41:15 PM | 0.30 | 206 | 301 | 4 |
| 7/22/2012 5:42:15 PM | 0.30 | 206 | 302 | 4 |
| 7/22/2012 5:43:15 PM | 0.30 | 206 | 301 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 5:44:15 PM | 0.30 | 205 | 302 | 4 |
| 7/22/2012 5:45:15 PM | 0.30 | 206 | 302 | 5 |
| 7/22/2012 5:46:15 PM | 0.30 | 204 | 302 | 4 |
| 7/22/2012 5:47:15 PM | 0.30 | 205 | 300 | 4 |
| 7/22/2012 5:48:15 PM | 0.30 | 205 | 301 | 4 |
| 7/22/2012 5:49:15 PM | 0.30 | 204 | 298 | 4 |
| 7/22/2012 5:50:15 PM | 0.30 | 204 | 300 | 4 |
| 7/22/2012 5:51:15 PM | 0.30 | 205 | 301 | 4 |
| 7/22/2012 5:52:15 PM | 0.30 | 206 | 301 | 4 |
| 7/22/2012 5:53:15 PM | 0.30 | 206 | 300 | 4 |
| 7/22/2012 5:54:15 PM | 0.30 | 206 | 300 | 4 |
| 7/22/2012 5:55:15 PM | 0.30 | 206 | 301 | 4 |
| 7/22/2012 5:56:15 PM | 0.30 | 207 | 301 | 4 |
| 7/22/2012 5:57:15 PM | 0.29 | 207 | 303 | 4 |
| 7/22/2012 5:58:15 PM | 0.30 | 207 | 302 | 4 |
| 7/22/2012 5:59:15 PM | 0.30 | 206 | 301 | 4 |
| 7/22/2012 6:00:15 PM | 0.29 | 208 | 301 | 4 |
| 7/22/2012 6:01:15 PM | 0.30 | 208 | 301 | 4 |
| 7/22/2012 6:02:15 PM | 0.30 | 206 | 301 | 4 |
| 7/22/2012 6:03:15 PM | 0.30 | 208 | 299 | 4 |
| 7/22/2012 6:04:15 PM | 0.30 | 208 | 299 | 4 |
| 7/22/2012 6:05:15 PM | 0.30 | 206 | 298 | 4 |
| 7/22/2012 6:06:15 PM | 0.30 | 207 | 298 | 4 |
| 7/22/2012 6:07:15 PM | 0.30 | 208 | 297 | 4 |
| 7/22/2012 6:08:15 PM | 0.30 | 207 | 297 | 4 |
| 7/22/2012 6:09:15 PM | 0.30 | 206 | 297 | 4 |
| 7/22/2012 6:10:15 PM | 0.30 | 207 | 297 | 4 |
| 7/22/2012 6:11:15 PM | 0.29 | 208 | 297 | 4 |
| 7/22/2012 6:12:15 PM | 0.30 | 208 | 299 | 4 |
| 7/22/2012 6:13:15 PM | 0.30 | 209 | 297 | 4 |
| 7/22/2012 6:14:15 PM | 0.29 | 207 | 297 | 4 |
| 7/22/2012 6:15:15 PM | 0.29 | 206 | 297 | 4 |
| 7/22/2012 6:16:15 PM | 0.30 | 207 | 296 | 4 |
| 7/22/2012 6:17:15 PM | 0.30 | 207 | 295 | 4 |
| 7/22/2012 6:18:15 PM | 0.29 | 207 | 294 | 4 |
| 7/22/2012 6:19:15 PM | 0.30 | 208 | 295 | 4 |
| 7/22/2012 6:20:15 PM | 0.29 | 207 | 293 | 4 |
| 7/22/2012 6:21:15 PM | 0.30 | 208 | 296 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 6:22:15 PM | 0.29 | 209 | 295 | 4 |
| 7/22/2012 6:23:15 PM | 0.29 | 209 | 295 | 4 |
| 7/22/2012 6:24:15 PM | 0.29 | 209 | 296 | 4 |
| 7/22/2012 6:25:15 PM | 0.29 | 209 | 297 | 4 |
| 7/22/2012 6:26:15 PM | 0.30 | 209 | 297 | 4 |
| 7/22/2012 6:27:15 PM | 0.30 | 208 | 296 | 4 |
| 7/22/2012 6:28:15 PM | 0.30 | 207 | 297 | 4 |
| 7/22/2012 6:29:15 PM | 0.29 | 208 | 296 | 4 |
| 7/22/2012 6:30:15 PM | 0.30 | 209 | 297 | 4 |
| 7/22/2012 6:31:15 PM | 0.30 | 209 | 297 | 4 |
| 7/22/2012 6:32:15 PM | 0.29 | 209 | 296 | 4 |
| 7/22/2012 6:33:15 PM | 0.29 | 210 | 298 | 3 |
| 7/22/2012 6:34:15 PM | 0.29 | 210 | 297 | 4 |
| 7/22/2012 6:35:15 PM | 0.30 | 210 | 296 | 4 |
| 7/22/2012 6:36:15 PM | 0.30 | 209 | 297 | 4 |
| 7/22/2012 6:37:15 PM | 0.29 | 209 | 294 | 3 |
| 7/22/2012 6:38:15 PM | 0.29 | 208 | 293 | 3 |
| 7/22/2012 6:39:15 PM | 0.31 | 209 | 293 | 3 |
| 7/22/2012 6:40:15 PM | 0.30 | 209 | 292 | 3 |
| 7/22/2012 6:41:15 PM | 0.30 | 208 | 292 | 4 |
| 7/22/2012 6:42:15 PM | 0.29 | 208 | 292 | 4 |
| 7/22/2012 6:43:15 PM | 0.29 | 207 | 292 | 4 |
| 7/22/2012 6:44:15 PM | 0.29 | 208 | 292 | 4 |
| 7/22/2012 6:45:15 PM | 0.29 | 208 | 292 | 4 |
| 7/22/2012 6:46:15 PM | 0.30 | 208 | 292 | 4 |
| 7/22/2012 6:47:15 PM | 0.30 | 207 | 291 | 4 |
| 7/22/2012 6:48:15 PM | 0.29 | 208 | 290 | 4 |
| 7/22/2012 6:49:15 PM | 0.29 | 208 | 290 | 4 |
| 7/22/2012 6:50:15 PM | 0.29 | 208 | 291 | 4 |
| 7/22/2012 6:51:15 PM | 0.30 | 208 | 289 | 4 |
| 7/22/2012 6:52:15 PM | 0.29 | 207 | 288 | 4 |
| 7/22/2012 6:53:15 PM | 0.29 | 208 | 287 | 4 |
| 7/22/2012 6:54:15 PM | 0.29 | 207 | 288 | 4 |
| 7/22/2012 6:55:15 PM | 0.29 | 207 | 288 | 3 |
| 7/22/2012 6:56:15 PM | 0.30 | 207 | 287 | 3 |
| 7/22/2012 6:57:15 PM | 0.29 | 207 | 287 | 3 |
| 7/22/2012 6:58:15 PM | 0.29 | 207 | 287 | 4 |
| 7/22/2012 6:59:15 PM | 0.29 | 209 | 289 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 7:00:15 PM | 0.30 | 208 | 291 | 4 |
| 7/22/2012 7:01:15 PM | 0.29 | 208 | 290 | 4 |
| 7/22/2012 7:02:15 PM | 0.29 | 208 | 289 | 4 |
| 7/22/2012 7:03:15 PM | 0.29 | 207 | 289 | 3 |
| 7/22/2012 7:04:15 PM | 0.30 | 208 | 290 | 3 |
| 7/22/2012 7:05:15 PM | 0.30 | 209 | 289 | 3 |
| 7/22/2012 7:06:15 PM | 0.29 | 207 | 289 | 4 |
| 7/22/2012 7:07:15 PM | 0.30 | 207 | 288 | 4 |
| 7/22/2012 7:08:15 PM | 0.29 | 206 | 288 | 4 |
| 7/22/2012 7:09:15 PM | 0.29 | 207 | 287 | 3 |
| 7/22/2012 7:10:15 PM | 0.29 | 208 | 288 | 4 |
| 7/22/2012 7:11:15 PM | 0.30 | 208 | 287 | 4 |
| 7/22/2012 7:12:15 PM | 0.29 | 207 | 286 | 4 |
| 7/22/2012 7:13:15 PM | 0.29 | 207 | 287 | 4 |
| 7/22/2012 7:14:15 PM | 0.29 | 208 | 286 | 3 |
| 7/22/2012 7:15:15 PM | 0.30 | 209 | 288 | 4 |
| 7/22/2012 7:16:15 PM | 0.30 | 207 | 288 | 4 |
| 7/22/2012 7:17:15 PM | 0.30 | 206 | 286 | 3 |
| 7/22/2012 7:18:15 PM | 0.29 | 205 | 287 | 3 |
| 7/22/2012 7:19:15 PM | 0.30 | 206 | 287 | 3 |
| 7/22/2012 7:20:15 PM | 0.29 | 207 | 286 | 3 |
| 7/22/2012 7:21:15 PM | 0.29 | 207 | 288 | 3 |
| 7/22/2012 7:22:15 PM | 0.30 | 206 | 288 | 3 |
| 7/22/2012 7:23:15 PM | 0.29 | 207 | 286 | 3 |
| 7/22/2012 7:24:15 PM | 0.30 | 207 | 286 | 3 |
| 7/22/2012 7:25:15 PM | 0.29 | 206 | 287 | 3 |
| 7/22/2012 7:26:15 PM | 0.29 | 206 | 287 | 3 |
| 7/22/2012 7:27:15 PM | 0.29 | 206 | 287 | 3 |
| 7/22/2012 7:28:15 PM | 0.29 | 207 | 287 | 3 |
| 7/22/2012 7:29:15 PM | 0.29 | 207 | 287 | 3 |
| 7/22/2012 7:30:15 PM | 0.30 | 207 | 287 | 3 |
| 7/22/2012 7:31:15 PM | 0.30 | 208 | 287 | 3 |
| 7/22/2012 7:32:15 PM | 0.29 | 207 | 286 | 3 |
| 7/22/2012 7:33:15 PM | 0.30 | 207 | 287 | 3 |
| 7/22/2012 7:34:15 PM | 0.30 | 207 | 286 | 3 |
| 7/22/2012 7:35:15 PM | 0.30 | 206 | 283 | 3 |
| 7/22/2012 7:36:15 PM | 0.30 | 207 | 285 | 3 |
| 7/22/2012 7:37:15 PM | 0.30 | 206 | 286 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 7:38:15 PM | 0.29 | 206 | 285 | 3 |
| 7/22/2012 7:39:15 PM | 0.29 | 206 | 284 | 3 |
| 7/22/2012 7:40:15 PM | 0.30 | 206 | 283 | 3 |
| 7/22/2012 7:41:15 PM | 0.30 | 205 | 283 | 3 |
| 7/22/2012 7:42:15 PM | 0.29 | 205 | 283 | 3 |
| 7/22/2012 7:43:15 PM | 0.29 | 205 | 283 | 3 |
| 7/22/2012 7:44:15 PM | 0.29 | 205 | 283 | 3 |
| 7/22/2012 7:45:15 PM | 0.29 | 206 | 285 | 3 |
| 7/22/2012 7:46:15 PM | 0.29 | 206 | 284 | 3 |
| 7/22/2012 7:47:15 PM | 0.29 | 206 | 283 | 3 |
| 7/22/2012 7:48:15 PM | 0.29 | 206 | 284 | 3 |
| 7/22/2012 7:49:15 PM | 0.29 | 206 | 284 | 3 |
| 7/22/2012 7:50:15 PM | 0.29 | 205 | 283 | 3 |
| 7/22/2012 7:51:15 PM | 0.29 | 206 | 284 | 3 |
| 7/22/2012 7:52:15 PM | 0.29 | 206 | 285 | 3 |
| 7/22/2012 7:53:15 PM | 0.29 | 207 | 283 | 3 |
| 7/22/2012 7:54:15 PM | 0.30 | 207 | 285 | 2 |
| 7/22/2012 7:55:15 PM | 0.29 | 206 | 283 | 2 |
| 7/22/2012 7:56:15 PM | 0.29 | 206 | 282 | 3 |
| 7/22/2012 7:57:15 PM | 0.29 | 206 | 284 | 3 |
| 7/22/2012 7:58:15 PM | 0.29 | 206 | 284 | 3 |
| 7/22/2012 7:59:15 PM | 0.29 | 206 | 282 | 3 |
| 7/22/2012 8:00:15 PM | 0.29 | 206 | 284 | 2 |
| 7/22/2012 8:01:15 PM | 0.29 | 205 | 283 | 3 |
| 7/22/2012 8:02:15 PM | 0.29 | 205 | 284 | 3 |
| 7/22/2012 8:03:15 PM | 0.29 | 205 | 285 | 3 |
| 7/22/2012 8:04:15 PM | 0.30 | 206 | 282 | 3 |
| 7/22/2012 8:05:15 PM | 0.30 | 206 | 281 | 3 |
| 7/22/2012 8:06:15 PM | 0.29 | 206 | 282 | 3 |
| 7/22/2012 8:07:15 PM | 0.30 | 205 | 282 | 2 |
| 7/22/2012 8:08:15 PM | 0.30 | 205 | 282 | 2 |
| 7/22/2012 8:09:15 PM | 0.29 | 206 | 282 | 2 |
| 7/22/2012 8:10:15 PM | 0.30 | 205 | 282 | 2 |
| 7/22/2012 8:11:15 PM | 0.30 | 206 | 282 | 3 |
| 7/22/2012 8:12:15 PM | 0.29 | 205 | 282 | 3 |
| 7/22/2012 8:13:15 PM | 0.30 | 205 | 282 | 3 |
| 7/22/2012 8:14:15 PM | 0.30 | 206 | 282 | 3 |
| 7/22/2012 8:15:15 PM | 0.30 | 206 | 281 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 8:16:15 PM | 0.29 | 204 | 282 | 3 |
| 7/22/2012 8:17:15 PM | 0.30 | 204 | 280 | 3 |
| 7/22/2012 8:18:15 PM | 0.29 | 204 | 281 | 2 |
| 7/22/2012 8:19:15 PM | 0.29 | 205 | 282 | 2 |
| 7/22/2012 8:20:15 PM | 0.30 | 206 | 280 | 3 |
| 7/22/2012 8:21:15 PM | 0.30 | 206 | 281 | 3 |
| 7/22/2012 8:22:15 PM | 0.30 | 206 | 281 | 3 |
| 7/22/2012 8:23:15 PM | 0.29 | 206 | 282 | 3 |
| 7/22/2012 8:24:15 PM | 0.30 | 206 | 282 | 3 |
| 7/22/2012 8:25:15 PM | 0.29 | 205 | 280 | 3 |
| 7/22/2012 8:26:15 PM | 0.30 | 206 | 282 | 3 |
| 7/22/2012 8:27:15 PM | 0.30 | 206 | 281 | 3 |
| 7/22/2012 8:28:15 PM | 0.30 | 205 | 279 | 3 |
| 7/22/2012 8:29:15 PM | 0.30 | 206 | 279 | 3 |
| 7/22/2012 8:30:15 PM | 0.30 | 206 | 280 | 3 |
| 7/22/2012 8:31:15 PM | 0.30 | 205 | 278 | 3 |
| 7/22/2012 8:32:15 PM | 0.30 | 204 | 279 | 3 |
| 7/22/2012 8:33:15 PM | 0.30 | 205 | 278 | 2 |
| 7/22/2012 8:34:15 PM | 0.29 | 205 | 279 | 3 |
| 7/22/2012 8:35:15 PM | 0.30 | 205 | 280 | 3 |
| 7/22/2012 8:36:15 PM | 0.30 | 205 | 281 | 3 |
| 7/22/2012 8:37:15 PM | 0.30 | 206 | 281 | 3 |
| 7/22/2012 8:38:15 PM | 0.29 | 206 | 280 | 2 |
| 7/22/2012 8:39:15 PM | 0.29 | 205 | 281 | 3 |
| 7/22/2012 8:40:15 PM | 0.29 | 206 | 280 | 2 |
| 7/22/2012 8:41:15 PM | 0.29 | 206 | 280 | 3 |
| 7/22/2012 8:42:15 PM | 0.29 | 207 | 281 | 3 |
| 7/22/2012 8:43:15 PM | 0.29 | 207 | 281 | 2 |
| 7/22/2012 8:44:15 PM | 0.29 | 207 | 282 | 2 |
| 7/22/2012 8:45:15 PM | 0.30 | 207 | 282 | 2 |
| 7/22/2012 8:46:15 PM | 0.29 | 206 | 282 | 2 |
| 7/22/2012 8:47:15 PM | 0.30 | 205 | 281 | 2 |
| 7/22/2012 8:48:15 PM | 0.29 | 205 | 281 | 2 |
| 7/22/2012 8:49:15 PM | 0.30 | 206 | 279 | 3 |
| 7/22/2012 8:50:15 PM | 0.29 | 206 | 279 | 2 |
| 7/22/2012 8:51:15 PM | 0.30 | 206 | 281 | 2 |
| 7/22/2012 8:52:15 PM | 0.30 | 206 | 280 | 2 |
| 7/22/2012 8:53:15 PM | 0.29 | 205 | 278 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 8:54:15 PM | 0.30 | 207 | 279 | 3 |
| 7/22/2012 8:55:15 PM | 0.30 | 207 | 281 | 3 |
| 7/22/2012 8:56:15 PM | 0.29 | 205 | 280 | 3 |
| 7/22/2012 8:57:15 PM | 0.30 | 206 | 282 | 2 |
| 7/22/2012 8:58:15 PM | 0.29 | 205 | 281 | 3 |
| 7/22/2012 8:59:15 PM | 0.29 | 204 | 280 | 2 |
| 7/22/2012 9:00:15 PM | 0.29 | 205 | 282 | 2 |
| 7/22/2012 9:01:15 PM | 0.30 | 205 | 282 | 2 |
| 7/22/2012 9:02:15 PM | 0.30 | 205 | 281 | 3 |
| 7/22/2012 9:03:15 PM | 0.29 | 205 | 282 | 3 |
| 7/22/2012 9:04:15 PM | 0.29 | 205 | 283 | 3 |
| 7/22/2012 9:05:15 PM | 0.30 | 206 | 281 | 3 |
| 7/22/2012 9:06:15 PM | 0.29 | 205 | 281 | 2 |
| 7/22/2012 9:07:15 PM | 0.29 | 205 | 282 | 2 |
| 7/22/2012 9:08:15 PM | 0.30 | 206 | 282 | 3 |
| 7/22/2012 9:09:15 PM | 0.30 | 206 | 282 | 3 |
| 7/22/2012 9:10:15 PM | 0.29 | 206 | 282 | 3 |
| 7/22/2012 9:11:15 PM | 0.30 | 206 | 282 | 3 |
| 7/22/2012 9:12:15 PM | 0.29 | 206 | 283 | 3 |
| 7/22/2012 9:13:15 PM | 0.30 | 206 | 282 | 3 |
| 7/22/2012 9:14:15 PM | 0.30 | 205 | 282 | 3 |
| 7/22/2012 9:15:15 PM | 0.29 | 205 | 282 | 3 |
| 7/22/2012 9:16:15 PM | 0.29 | 205 | 283 | 3 |
| 7/22/2012 9:17:15 PM | 0.30 | 206 | 282 | 3 |
| 7/22/2012 9:18:15 PM | 0.30 | 206 | 281 | 2 |
| 7/22/2012 9:19:15 PM | 0.29 | 205 | 282 | 2 |
| 7/22/2012 9:20:15 PM | 0.29 | 205 | 281 | 3 |
| 7/22/2012 9:21:15 PM | 0.30 | 205 | 282 | 3 |
| 7/22/2012 9:22:15 PM | 0.29 | 205 | 282 | 3 |
| 7/22/2012 9:23:15 PM | 0.30 | 206 | 281 | 3 |
| 7/22/2012 9:24:15 PM | 0.29 | 206 | 281 | 2 |
| 7/22/2012 9:25:15 PM | 0.29 | 207 | 283 | 2 |
| 7/22/2012 9:26:15 PM | 0.29 | 206 | 282 | 3 |
| 7/22/2012 9:27:15 PM | 0.29 | 206 | 282 | 3 |
| 7/22/2012 9:28:15 PM | 0.29 | 205 | 282 | 3 |
| 7/22/2012 9:29:15 PM | 0.29 | 205 | 282 | 3 |
| 7/22/2012 9:30:15 PM | 0.30 | 205 | 280 | 2 |
| 7/22/2012 9:31:15 PM | 0.29 | 205 | 281 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 9:32:15 PM | 0.29 | 205 | 282 | 3 |
| 7/22/2012 9:33:15 PM | 0.29 | 205 | 282 | 3 |
| 7/22/2012 9:34:15 PM | 0.29 | 205 | 281 | 3 |
| 7/22/2012 9:35:15 PM | 0.30 | 206 | 281 | 3 |
| 7/22/2012 9:36:15 PM | 0.29 | 206 | 282 | 2 |
| 7/22/2012 9:37:15 PM | 0.29 | 204 | 281 | 2 |
| 7/22/2012 9:38:15 PM | 0.29 | 205 | 281 | 2 |
| 7/22/2012 9:39:15 PM | 0.30 | 205 | 282 | 2 |
| 7/22/2012 9:40:15 PM | 0.30 | 205 | 282 | 2 |
| 7/22/2012 9:41:15 PM | 0.29 | 206 | 282 | 2 |
| 7/22/2012 9:42:15 PM | 0.30 | 205 | 283 | 3 |
| 7/22/2012 9:43:15 PM | 0.30 | 205 | 282 | 3 |
| 7/22/2012 9:44:15 PM | 0.30 | 206 | 283 | 3 |
| 7/22/2012 9:45:15 PM | 0.30 | 206 | 282 | 3 |
| 7/22/2012 9:46:15 PM | 0.29 | 205 | 282 | 3 |
| 7/22/2012 9:47:15 PM | 0.30 | 204 | 281 | 3 |
| 7/22/2012 9:48:15 PM | 0.29 | 204 | 282 | 2 |
| 7/22/2012 9:49:15 PM | 0.30 | 205 | 281 | 2 |
| 7/22/2012 9:50:15 PM | 0.29 | 205 | 282 | 2 |
| 7/22/2012 9:51:15 PM | 0.30 | 206 | 282 | 2 |
| 7/22/2012 9:52:15 PM | 0.30 | 206 | 282 | 2 |
| 7/22/2012 9:53:15 PM | 0.29 | 205 | 282 | 3 |
| 7/22/2012 9:54:15 PM | 0.30 | 205 | 284 | 3 |
| 7/22/2012 9:55:15 PM | 0.30 | 205 | 284 | 3 |
| 7/22/2012 9:56:15 PM | 0.29 | 205 | 285 | 3 |
| 7/22/2012 9:57:15 PM | 0.29 | 206 | 288 | 2 |
| 7/22/2012 9:58:15 PM | 0.29 | 207 | 288 | 2 |
| 7/22/2012 9:59:15 PM | 0.30 | 207 | 287 | 2 |
| 7/22/2012 10:00:15 PM | 0.29 | 207 | 289 | 2 |
| 7/22/2012 10:01:15 PM | 0.30 | 207 | 289 | 2 |
| 7/22/2012 10:02:15 PM | 0.29 | 207 | 289 | 2 |
| 7/22/2012 10:03:15 PM | 0.29 | 208 | 291 | 3 |
| 7/22/2012 10:04:15 PM | 0.30 | 207 | 289 | 3 |
| 7/22/2012 10:05:15 PM | 0.29 | 206 | 289 | 3 |
| 7/22/2012 10:06:15 PM | 0.30 | 206 | 289 | 3 |
| 7/22/2012 10:07:15 PM | 0.29 | 207 | 289 | 3 |
| 7/22/2012 10:08:15 PM | 0.30 | 208 | 289 | 3 |
| 7/22/2012 10:09:15 PM | 0.29 | 208 | 287 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 10:10:15 PM | 0.30 | 206 | 287 | 2 |
| 7/22/2012 10:11:15 PM | 0.30 | 205 | 287 | 2 |
| 7/22/2012 10:12:15 PM | 0.29 | 206 | 287 | 2 |
| 7/22/2012 10:13:15 PM | 0.29 | 206 | 287 | 2 |
| 7/22/2012 10:14:15 PM | 0.30 | 206 | 287 | 2 |
| 7/22/2012 10:15:15 PM | 0.29 | 205 | 287 | 2 |
| 7/22/2012 10:16:15 PM | 0.29 | 205 | 286 | 2 |
| 7/22/2012 10:17:15 PM | 0.29 | 206 | 285 | 2 |
| 7/22/2012 10:18:15 PM | 0.29 | 206 | 286 | 2 |
| 7/22/2012 10:19:15 PM | 0.30 | 205 | 287 | 2 |
| 7/22/2012 10:20:15 PM | 0.29 | 206 | 286 | 3 |
| 7/22/2012 10:21:15 PM | 0.29 | 207 | 287 | 3 |
| 7/22/2012 10:22:15 PM | 0.29 | 207 | 288 | 3 |
| 7/22/2012 10:23:15 PM | 0.29 | 206 | 287 | 3 |
| 7/22/2012 10:24:15 PM | 0.30 | 206 | 288 | 2 |
| 7/22/2012 10:25:15 PM | 0.29 | 207 | 288 | 2 |
| 7/22/2012 10:26:15 PM | 0.29 | 208 | 288 | 2 |
| 7/22/2012 10:27:15 PM | 0.29 | 207 | 288 | 2 |
| 7/22/2012 10:28:15 PM | 0.30 | 207 | 288 | 2 |
| 7/22/2012 10:29:15 PM | 0.29 | 207 | 287 | 2 |
| 7/22/2012 10:30:15 PM | 0.30 | 207 | 290 | 2 |
| 7/22/2012 10:31:15 PM | 0.29 | 206 | 287 | 2 |
| 7/22/2012 10:32:15 PM | 0.29 | 207 | 287 | 3 |
| 7/22/2012 10:33:15 PM | 0.29 | 206 | 291 | 3 |
| 7/22/2012 10:34:15 PM | 0.29 | 207 | 289 | 3 |
| 7/22/2012 10:35:15 PM | 0.29 | 208 | 288 | 3 |
| 7/22/2012 10:36:15 PM | 0.29 | 208 | 291 | 2 |
| 7/22/2012 10:37:15 PM | 0.29 | 208 | 290 | 2 |
| 7/22/2012 10:38:15 PM | 0.29 | 208 | 290 | 2 |
| 7/22/2012 10:39:15 PM | 0.30 | 208 | 291 | 2 |
| 7/22/2012 10:40:15 PM | 0.29 | 207 | 290 | 2 |
| 7/22/2012 10:41:15 PM | 0.30 | 208 | 289 | 2 |
| 7/22/2012 10:42:15 PM | 0.29 | 207 | 288 | 2 |
| 7/22/2012 10:43:15 PM | 0.29 | 207 | 288 | 2 |
| 7/22/2012 10:44:15 PM | 0.29 | 206 | 289 | 2 |
| 7/22/2012 10:45:15 PM | 0.29 | 206 | 289 | 2 |
| 7/22/2012 10:46:15 PM | 0.30 | 208 | 290 | 2 |
| 7/22/2012 10:47:15 PM | 0.29 | 208 | 288 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 10:48:15 PM | 0.29 | 208 | 289 | 2 |
| 7/22/2012 10:49:15 PM | 0.29 | 208 | 289 | 2 |
| 7/22/2012 10:50:15 PM | 0.29 | 208 | 288 | 3 |
| 7/22/2012 10:51:15 PM | 0.29 | 208 | 290 | 3 |
| 7/22/2012 10:52:15 PM | 0.29 | 208 | 291 | 3 |
| 7/22/2012 10:53:15 PM | 0.30 | 208 | 290 | 3 |
| 7/22/2012 10:54:15 PM | 0.30 | 208 | 288 | 3 |
| 7/22/2012 10:55:15 PM | 0.29 | 207 | 288 | 3 |
| 7/22/2012 10:56:15 PM | 0.29 | 207 | 287 | 3 |
| 7/22/2012 10:57:15 PM | 0.29 | 206 | 289 | 2 |
| 7/22/2012 10:58:15 PM | 0.30 | 206 | 287 | 2 |
| 7/22/2012 10:59:15 PM | 0.30 | 205 | 287 | 3 |
| 7/22/2012 11:00:15 PM | 0.30 | 205 | 288 | 3 |
| 7/22/2012 11:01:15 PM | 0.29 | 205 | 287 | 3 |
| 7/22/2012 11:02:15 PM | 0.29 | 205 | 287 | 3 |
| 7/22/2012 11:03:15 PM | 0.29 | 206 | 287 | 2 |
| 7/22/2012 11:04:15 PM | 0.29 | 206 | 287 | 2 |
| 7/22/2012 11:05:15 PM | 0.30 | 206 | 287 | 3 |
| 7/22/2012 11:06:15 PM | 0.30 | 206 | 288 | 3 |
| 7/22/2012 11:07:15 PM | 0.29 | 207 | 288 | 3 |
| 7/22/2012 11:08:15 PM | 0.29 | 207 | 288 | 3 |
| 7/22/2012 11:09:15 PM | 0.30 | 207 | 288 | 2 |
| 7/22/2012 11:10:15 PM | 0.30 | 206 | 287 | 2 |
| 7/22/2012 11:11:15 PM | 0.30 | 206 | 287 | 2 |
| 7/22/2012 11:12:15 PM | 0.29 | 206 | 288 | 2 |
| 7/22/2012 11:13:15 PM | 0.30 | 205 | 287 | 2 |
| 7/22/2012 11:14:15 PM | 0.29 | 206 | 286 | 2 |
| 7/22/2012 11:15:15 PM | 0.29 | 206 | 287 | 2 |
| 7/22/2012 11:16:15 PM | 0.30 | 205 | 288 | 2 |
| 7/22/2012 11:17:15 PM | 0.29 | 205 | 287 | 2 |
| 7/22/2012 11:18:15 PM | 0.29 | 205 | 288 | 2 |
| 7/22/2012 11:19:15 PM | 0.29 | 205 | 288 | 2 |
| 7/22/2012 11:20:15 PM | 0.29 | 205 | 288 | 2 |
| 7/22/2012 11:21:15 PM | 0.30 | 206 | 289 | 2 |
| 7/22/2012 11:22:15 PM | 0.30 | 206 | 288 | 2 |
| 7/22/2012 11:23:15 PM | 0.30 | 205 | 288 | 3 |
| 7/22/2012 11:24:15 PM | 0.30 | 205 | 290 | 3 |
| 7/22/2012 11:25:15 PM | 0.29 | 206 | 288 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **21-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **21-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/22/2012 11:26:15 PM | 0.30 | 205 | 288 | 3 |
| 7/22/2012 11:27:15 PM | 0.30 | 205 | 290 | 3 |
| 7/22/2012 11:28:15 PM | 0.30 | 206 | 288 | 3 |
| 7/22/2012 11:29:15 PM | 0.29 | 205 | 291 | 3 |
| 7/22/2012 11:30:15 PM | 0.29 | 206 | 292 | 3 |
| 7/22/2012 11:31:15 PM | 0.29 | 206 | 291 | 3 |
| 7/22/2012 11:32:15 PM | 0.30 | 205 | 290 | 3 |
| 7/22/2012 11:33:15 PM | 0.30 | 206 | 291 | 3 |
| 7/22/2012 11:34:15 PM | 0.30 | 205 | 291 | 3 |
| 7/22/2012 11:35:15 PM | 0.30 | 205 | 291 | 3 |
| 7/22/2012 11:36:15 PM | 0.29 | 205 | 291 | 2 |
| 7/22/2012 11:37:15 PM | 0.30 | 206 | 291 | 2 |
| 7/22/2012 11:38:15 PM | 0.30 | 205 | 292 | 3 |
| 7/22/2012 11:39:15 PM | 0.30 | 206 | 292 | 3 |
| 7/22/2012 11:40:15 PM | 0.29 | 206 | 292 | 3 |
| 7/22/2012 11:41:15 PM | 0.30 | 206 | 291 | 3 |
| 7/22/2012 11:42:15 PM | 0.29 | 206 | 294 | 3 |
| 7/22/2012 11:43:15 PM | 0.30 | 206 | 294 | 3 |
| 7/22/2012 11:44:15 PM | 0.30 | 206 | 292 | 3 |
| 7/22/2012 11:45:15 PM | 0.29 | 206 | 293 | 2 |
| 7/22/2012 11:46:15 PM | 0.30 | 206 | 295 | 2 |
| 7/22/2012 11:47:15 PM | 0.30 | 206 | 295 | 2 |
| 7/22/2012 11:48:15 PM | 0.29 | 205 | 294 | 2 |
| 7/22/2012 11:49:15 PM | 0.29 | 205 | 294 | 2 |
| 7/22/2012 11:50:15 PM | 0.30 | 206 | 293 | 2 |
| 7/22/2012 11:51:15 PM | 0.29 | 206 | 293 | 2 |
| 7/22/2012 11:52:15 PM | 0.29 | 206 | 293 | 2 |
| 7/22/2012 11:53:15 PM | 0.30 | 207 | 292 | 3 |
| 7/22/2012 11:54:15 PM | 0.29 | 207 | 293 | 3 |
| 7/22/2012 11:55:15 PM | 0.30 | 206 | 292 | 3 |
| 7/22/2012 11:56:15 PM | 0.30 | 206 | 293 | 3 |
| 7/22/2012 11:57:15 PM | 0.30 | 206 | 292 | 2 |
| 7/22/2012 11:58:15 PM | 0.30 | 205 | 293 | 2 |
| 7/22/2012 11:59:15 PM | 0.29 | 206 | 293 | 3 |
| Averages | 0.29 | 213 | 308 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 0:00:15 AM | 0.29 | 205 | 292 | 3 |
| 7/23/2012 0:01:15 AM | 0.29 | 205 | 292 | 3 |
| 7/23/2012 0:02:15 AM | 0.29 | 207 | 293 | 3 |
| 7/23/2012 0:03:15 AM | 0.30 | 207 | 292 | 3 |
| 7/23/2012 0:04:15 AM | 0.29 | 206 | 292 | 3 |
| 7/23/2012 0:05:15 AM | 0.30 | 206 | 293 | 3 |
| 7/23/2012 0:06:15 AM | 0.30 | 206 | 293 | 3 |
| 7/23/2012 0:07:15 AM | 0.30 | 205 | 294 | 3 |
| 7/23/2012 0:08:15 AM | 0.30 | 205 | 292 | 3 |
| 7/23/2012 0:09:15 AM | 0.30 | 205 | 293 | 3 |
| 7/23/2012 0:10:15 AM | 0.30 | 205 | 292 | 3 |
| 7/23/2012 0:11:15 AM | 0.30 | 206 | 292 | 3 |
| 7/23/2012 0:12:15 AM | 0.29 | 206 | 292 | 3 |
| 7/23/2012 0:13:15 AM | 0.29 | 207 | 293 | 3 |
| 7/23/2012 0:14:15 AM | 0.29 | 207 | 293 | 3 |
| 7/23/2012 0:15:15 AM | 0.29 | 206 | 292 | 2 |
| 7/23/2012 0:16:15 AM | 0.29 | 205 | 293 | 2 |
| 7/23/2012 0:17:15 AM | 0.29 | 206 | 292 | 3 |
| 7/23/2012 0:18:15 AM | 0.29 | 206 | 293 | 3 |
| 7/23/2012 0:19:15 AM | 0.30 | 206 | 294 | 3 |
| 7/23/2012 0:20:15 AM | 0.30 | 207 | 293 | 3 |
| 7/23/2012 0:21:15 AM | 0.30 | 206 | 294 | 3 |
| 7/23/2012 0:22:15 AM | 0.29 | 205 | 294 | 3 |
| 7/23/2012 0:23:15 AM | 0.29 | 206 | 296 | 3 |
| 7/23/2012 0:24:15 AM | 0.30 | 208 | 295 | 3 |
| 7/23/2012 0:25:15 AM | 0.30 | 207 | 297 | 3 |
| 7/23/2012 0:26:15 AM | 0.29 | 206 | 295 | 3 |
| 7/23/2012 0:27:15 AM | 0.30 | 207 | 295 | 3 |
| 7/23/2012 0:28:15 AM | 0.29 | 207 | 295 | 3 |
| 7/23/2012 0:29:15 AM | 0.29 | 207 | 293 | 3 |
| 7/23/2012 0:30:15 AM | 0.29 | 207 | 296 | 3 |
| 7/23/2012 0:31:15 AM | 0.30 | 208 | 296 | 3 |
| 7/23/2012 0:32:15 AM | 0.29 | 209 | 296 | 3 |
| 7/23/2012 0:33:15 AM | 0.29 | 209 | 296 | 3 |
| 7/23/2012 0:34:15 AM | 0.29 | 209 | 296 | 3 |
| 7/23/2012 0:35:15 AM | 0.29 | 209 | 295 | 3 |
| 7/23/2012 0:36:15 AM | 0.29 | 209 | 297 | 3 |
| 7/23/2012 0:37:15 AM | 0.29 | 209 | 296 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 0:38:15 AM | 0.29 | 210 | 297 | 3 |
| 7/23/2012 0:39:15 AM | 0.29 | 210 | 298 | 3 |
| 7/23/2012 0:40:15 AM | 0.29 | 210 | 298 | 3 |
| 7/23/2012 0:41:15 AM | 0.29 | 210 | 297 | 3 |
| 7/23/2012 0:42:15 AM | 0.29 | 209 | 298 | 3 |
| 7/23/2012 0:43:15 AM | 0.29 | 209 | 297 | 3 |
| 7/23/2012 0:44:15 AM | 0.29 | 210 | 295 | 3 |
| 7/23/2012 0:45:15 AM | 0.29 | 210 | 297 | 3 |
| 7/23/2012 0:46:15 AM | 0.29 | 209 | 297 | 3 |
| 7/23/2012 0:47:15 AM | 0.29 | 210 | 295 | 3 |
| 7/23/2012 0:48:15 AM | 0.29 | 210 | 297 | 3 |
| 7/23/2012 0:49:15 AM | 0.29 | 211 | 298 | 3 |
| 7/23/2012 0:50:15 AM | 0.29 | 210 | 297 | 3 |
| 7/23/2012 0:51:15 AM | 0.29 | 210 | 297 | 3 |
| 7/23/2012 0:52:15 AM | 0.29 | 210 | 297 | 3 |
| 7/23/2012 0:53:15 AM | 0.29 | 211 | 297 | 3 |
| 7/23/2012 0:54:15 AM | 0.29 | 210 | 298 | 3 |
| 7/23/2012 0:55:15 AM | 0.29 | 210 | 299 | 3 |
| 7/23/2012 0:56:15 AM | 0.29 | 211 | 298 | 3 |
| 7/23/2012 0:57:15 AM | 0.29 | 211 | 301 | 3 |
| 7/23/2012 0:58:15 AM | 0.29 | 210 | 302 | 3 |
| 7/23/2012 0:59:15 AM | 0.30 | 211 | 302 | 3 |
| 7/23/2012 1:00:15 AM | 0.29 | 210 | 301 | 3 |
| 7/23/2012 1:01:15 AM | 0.29 | 210 | 301 | 3 |
| 7/23/2012 1:02:15 AM | 0.29 | 211 | 299 | 3 |
| 7/23/2012 1:03:15 AM | 0.29 | 211 | 302 | 3 |
| 7/23/2012 1:04:15 AM | 0.29 | 210 | 301 | 3 |
| 7/23/2012 1:05:15 AM | 0.29 | 210 | 300 | 3 |
| 7/23/2012 1:06:15 AM | 0.29 | 210 | 300 | 2 |
| 7/23/2012 1:07:15 AM | 0.29 | 209 | 299 | 2 |
| 7/23/2012 1:08:15 AM | 0.30 | 209 | 298 | 3 |
| 7/23/2012 1:09:15 AM | 0.29 | 210 | 300 | 3 |
| 7/23/2012 1:10:15 AM | 0.30 | 211 | 298 | 3 |
| 7/23/2012 1:11:15 AM | 0.29 | 210 | 300 | 3 |
| 7/23/2012 1:12:15 AM | 0.29 | 210 | 299 | 3 |
| 7/23/2012 1:13:15 AM | 0.29 | 210 | 300 | 3 |
| 7/23/2012 1:14:15 AM | 0.29 | 210 | 299 | 3 |
| 7/23/2012 1:15:15 AM | 0.29 | 209 | 298 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 1:16:15 AM | 0.29 | 210 | 298 | 3 |
| 7/23/2012 1:17:15 AM | 0.29 | 210 | 298 | 3 |
| 7/23/2012 1:18:15 AM | 0.29 | 210 | 301 | 3 |
| 7/23/2012 1:19:15 AM | 0.29 | 211 | 301 | 3 |
| 7/23/2012 1:20:15 AM | 0.29 | 211 | 301 | 3 |
| 7/23/2012 1:21:15 AM | 0.29 | 211 | 298 | 2 |
| 7/23/2012 1:22:15 AM | 0.29 | 209 | 297 | 2 |
| 7/23/2012 1:23:15 AM | 0.29 | 209 | 297 | 3 |
| 7/23/2012 1:24:15 AM | 0.29 | 209 | 298 | 3 |
| 7/23/2012 1:25:15 AM | 0.29 | 210 | 297 | 3 |
| 7/23/2012 1:26:15 AM | 0.29 | 210 | 297 | 3 |
| 7/23/2012 1:27:15 AM | 0.29 | 210 | 298 | 3 |
| 7/23/2012 1:28:15 AM | 0.29 | 209 | 300 | 3 |
| 7/23/2012 1:29:15 AM | 0.29 | 209 | 301 | 3 |
| 7/23/2012 1:30:15 AM | 0.29 | 209 | 298 | 3 |
| 7/23/2012 1:31:15 AM | 0.29 | 209 | 299 | 3 |
| 7/23/2012 1:32:15 AM | 0.29 | 209 | 302 | 3 |
| 7/23/2012 1:33:15 AM | 0.29 | 209 | 304 | 3 |
| 7/23/2012 1:34:15 AM | 0.29 | 211 | 304 | 3 |
| 7/23/2012 1:35:15 AM | 0.29 | 210 | 305 | 3 |
| 7/23/2012 1:36:15 AM | 0.29 | 211 | 307 | 3 |
| 7/23/2012 1:37:15 AM | 0.29 | 211 | 306 | 3 |
| 7/23/2012 1:38:15 AM | 0.29 | 211 | 305 | 3 |
| 7/23/2012 1:39:15 AM | 0.29 | 212 | 308 | 3 |
| 7/23/2012 1:40:15 AM | 0.29 | 213 | 308 | 3 |
| 7/23/2012 1:41:15 AM | 0.29 | 213 | 309 | 3 |
| 7/23/2012 1:42:15 AM | 0.29 | 214 | 309 | 3 |
| 7/23/2012 1:43:15 AM | 0.29 | 214 | 309 | 3 |
| 7/23/2012 1:44:15 AM | 0.29 | 214 | 308 | 3 |
| 7/23/2012 1:45:15 AM | 0.29 | 214 | 310 | 3 |
| 7/23/2012 1:46:15 AM | 0.29 | 214 | 311 | 3 |
| 7/23/2012 1:47:15 AM | 0.29 | 214 | 309 | 3 |
| 7/23/2012 1:48:15 AM | 0.29 | 212 | 308 | 3 |
| 7/23/2012 1:49:15 AM | 0.29 | 212 | 308 | 3 |
| 7/23/2012 1:50:15 AM | 0.29 | 212 | 307 | 3 |
| 7/23/2012 1:51:15 AM | 0.29 | 212 | 307 | 3 |
| 7/23/2012 1:52:15 AM | 0.29 | 214 | 307 | 3 |
| 7/23/2012 1:53:15 AM | 0.29 | 214 | 306 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 1:54:15 AM | 0.29 | 214 | 307 | 3 |
| 7/23/2012 1:55:15 AM | 0.29 | 214 | 308 | 3 |
| 7/23/2012 1:56:15 AM | 0.29 | 214 | 307 | 3 |
| 7/23/2012 1:57:15 AM | 0.29 | 214 | 307 | 2 |
| 7/23/2012 1:58:15 AM | 0.29 | 214 | 307 | 2 |
| 7/23/2012 1:59:15 AM | 0.29 | 214 | 307 | 2 |
| 7/23/2012 2:00:15 AM | 0.29 | 213 | 307 | 2 |
| 7/23/2012 2:01:15 AM | 0.29 | 214 | 308 | 2 |
| 7/23/2012 2:02:15 AM | 0.29 | 214 | 308 | 2 |
| 7/23/2012 2:03:15 AM | 0.29 | 214 | 309 | 2 |
| 7/23/2012 2:04:15 AM | 0.29 | 214 | 309 | 2 |
| 7/23/2012 2:05:15 AM | 0.29 | 214 | 310 | 3 |
| 7/23/2012 2:06:15 AM | 0.29 | 214 | 310 | 3 |
| 7/23/2012 2:07:15 AM | 0.29 | 214 | 309 | 3 |
| 7/23/2012 2:08:15 AM | 0.29 | 214 | 307 | 3 |
| 7/23/2012 2:09:15 AM | 0.29 | 215 | 308 | 3 |
| 7/23/2012 2:10:15 AM | 0.29 | 215 | 310 | 3 |
| 7/23/2012 2:11:15 AM | 0.29 | 214 | 309 | 3 |
| 7/23/2012 2:12:15 AM | 0.29 | 214 | 308 | 3 |
| 7/23/2012 2:13:15 AM | 0.29 | 214 | 309 | 3 |
| 7/23/2012 2:14:15 AM | 0.29 | 214 | 308 | 3 |
| 7/23/2012 2:15:15 AM | 0.29 | 214 | 308 | 3 |
| 7/23/2012 2:16:15 AM | 0.29 | 214 | 307 | 3 |
| 7/23/2012 2:17:15 AM | 0.29 | 214 | 307 | 3 |
| 7/23/2012 2:18:15 AM | 0.29 | 215 | 308 | 3 |
| 7/23/2012 2:19:15 AM | 0.29 | 215 | 308 | 3 |
| 7/23/2012 2:20:15 AM | 0.29 | 215 | 310 | 3 |
| 7/23/2012 2:21:15 AM | 0.29 | 214 | 309 | 3 |
| 7/23/2012 2:22:15 AM | 0.29 | 215 | 309 | 3 |
| 7/23/2012 2:23:15 AM | 0.29 | 215 | 309 | 3 |
| 7/23/2012 2:24:15 AM | 0.29 | 215 | 309 | 3 |
| 7/23/2012 2:25:15 AM | 0.29 | 215 | 310 | 3 |
| 7/23/2012 2:26:15 AM | 0.29 | 213 | 310 | 3 |
| 7/23/2012 2:27:15 AM | 0.29 | 214 | 310 | 3 |
| 7/23/2012 2:28:15 AM | 0.29 | 214 | 311 | 3 |
| 7/23/2012 2:29:15 AM | 0.29 | 214 | 311 | 3 |
| 7/23/2012 2:30:15 AM | 0.29 | 214 | 312 | 3 |
| 7/23/2012 2:31:15 AM | 0.29 | 215 | 313 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 2:32:15 AM | 0.29 | 213 | 313 | 3 |
| 7/23/2012 2:33:15 AM | 0.29 | 213 | 315 | 2 |
| 7/23/2012 2:34:15 AM | 0.29 | 213 | 316 | 2 |
| 7/23/2012 2:35:15 AM | 0.29 | 214 | 316 | 2 |
| 7/23/2012 2:36:15 AM | 0.29 | 214 | 319 | 3 |
| 7/23/2012 2:37:15 AM | 0.29 | 214 | 319 | 3 |
| 7/23/2012 2:38:15 AM | 0.29 | 214 | 322 | 3 |
| 7/23/2012 2:39:15 AM | 0.29 | 215 | 323 | 2 |
| 7/23/2012 2:40:15 AM | 0.29 | 215 | 323 | 2 |
| 7/23/2012 2:41:15 AM | 0.29 | 214 | 323 | 2 |
| 7/23/2012 2:42:15 AM | 0.29 | 213 | 325 | 2 |
| 7/23/2012 2:43:15 AM | 0.29 | 213 | 325 | 2 |
| 7/23/2012 2:44:15 AM | 0.29 | 214 | 326 | 2 |
| 7/23/2012 2:45:15 AM | 0.28 | 214 | 326 | 2 |
| 7/23/2012 2:46:15 AM | 0.29 | 214 | 326 | 2 |
| 7/23/2012 2:47:15 AM | 0.29 | 213 | 326 | 3 |
| 7/23/2012 2:48:15 AM | 0.29 | 213 | 324 | 3 |
| 7/23/2012 2:49:15 AM | 0.29 | 213 | 323 | 3 |
| 7/23/2012 2:50:15 AM | 0.29 | 213 | 322 | 3 |
| 7/23/2012 2:51:15 AM | 0.29 | 213 | 322 | 3 |
| 7/23/2012 2:52:15 AM | 0.29 | 213 | 323 | 3 |
| 7/23/2012 2:53:15 AM | 0.29 | 213 | 321 | 3 |
| 7/23/2012 2:54:15 AM | 0.29 | 213 | 322 | 3 |
| 7/23/2012 2:55:15 AM | 0.29 | 213 | 322 | 3 |
| 7/23/2012 2:56:15 AM | 0.29 | 213 | 321 | 3 |
| 7/23/2012 2:57:15 AM | 0.29 | 213 | 320 | 3 |
| 7/23/2012 2:58:15 AM | 0.29 | 213 | 318 | 3 |
| 7/23/2012 2:59:15 AM | 0.29 | 214 | 318 | 3 |
| 7/23/2012 3:00:15 AM | 0.29 | 213 | 319 | 3 |
| 7/23/2012 3:01:15 AM | 0.29 | 213 | 318 | 3 |
| 7/23/2012 3:02:15 AM | 0.29 | 213 | 318 | 3 |
| 7/23/2012 3:03:15 AM | 0.29 | 214 | 318 | 3 |
| 7/23/2012 3:04:15 AM | 0.29 | 214 | 319 | 3 |
| 7/23/2012 3:05:15 AM | 0.29 | 214 | 318 | 3 |
| 7/23/2012 3:06:15 AM | 0.29 | 214 | 318 | 3 |
| 7/23/2012 3:07:15 AM | 0.29 | 213 | 318 | 3 |
| 7/23/2012 3:08:15 AM | 0.29 | 213 | 317 | 3 |
| 7/23/2012 3:09:15 AM | 0.29 | 213 | 318 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 3:10:15 AM | 0.29 | 215 | 316 | 3 |
| 7/23/2012 3:11:15 AM | 0.28 | 216 | 317 | 3 |
| 7/23/2012 3:12:15 AM | 0.29 | 216 | 319 | 3 |
| 7/23/2012 3:13:15 AM | 0.29 | 215 | 319 | 3 |
| 7/23/2012 3:14:15 AM | 0.29 | 215 | 320 | 3 |
| 7/23/2012 3:15:15 AM | 0.28 | 215 | 319 | 3 |
| 7/23/2012 3:16:15 AM | 0.29 | 215 | 319 | 3 |
| 7/23/2012 3:17:15 AM | 0.29 | 215 | 319 | 3 |
| 7/23/2012 3:18:15 AM | 0.29 | 214 | 318 | 3 |
| 7/23/2012 3:19:15 AM | 0.28 | 213 | 318 | 3 |
| 7/23/2012 3:20:15 AM | 0.29 | 212 | 316 | 3 |
| 7/23/2012 3:21:15 AM | 0.29 | 212 | 315 | 3 |
| 7/23/2012 3:22:15 AM | 0.29 | 212 | 314 | 3 |
| 7/23/2012 3:23:15 AM | 0.29 | 212 | 314 | 3 |
| 7/23/2012 3:24:15 AM | 0.29 | 212 | 314 | 3 |
| 7/23/2012 3:25:15 AM | 0.28 | 213 | 314 | 3 |
| 7/23/2012 3:26:15 AM | 0.29 | 213 | 313 | 3 |
| 7/23/2012 3:27:15 AM | 0.29 | 213 | 313 | 3 |
| 7/23/2012 3:28:15 AM | 0.29 | 213 | 315 | 3 |
| 7/23/2012 3:29:15 AM | 0.29 | 215 | 316 | 3 |
| 7/23/2012 3:30:15 AM | 0.29 | 214 | 317 | 3 |
| 7/23/2012 3:31:15 AM | 0.29 | 215 | 317 | 3 |
| 7/23/2012 3:32:15 AM | 0.29 | 215 | 317 | 3 |
| 7/23/2012 3:33:15 AM | 0.29 | 215 | 317 | 3 |
| 7/23/2012 3:34:15 AM | 0.29 | 215 | 317 | 3 |
| 7/23/2012 3:35:15 AM | 0.29 | 215 | 316 | 3 |
| 7/23/2012 3:36:15 AM | 0.29 | 215 | 319 | 3 |
| 7/23/2012 3:37:15 AM | 0.29 | 215 | 318 | 3 |
| 7/23/2012 3:38:15 AM | 0.29 | 215 | 318 | 3 |
| 7/23/2012 3:39:15 AM | 0.29 | 214 | 318 | 3 |
| 7/23/2012 3:40:15 AM | 0.29 | 214 | 318 | 3 |
| 7/23/2012 3:41:15 AM | 0.29 | 214 | 318 | 3 |
| 7/23/2012 3:42:15 AM | 0.29 | 214 | 316 | 2 |
| 7/23/2012 3:43:15 AM | 0.29 | 214 | 315 | 2 |
| 7/23/2012 3:44:15 AM | 0.28 | 213 | 314 | 3 |
| 7/23/2012 3:45:15 AM | 0.29 | 214 | 313 | 3 |
| 7/23/2012 3:46:15 AM | 0.29 | 214 | 313 | 3 |
| 7/23/2012 3:47:15 AM | 0.29 | 214 | 313 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 3:48:15 AM | 0.28 | 213 | 314 | 3 |
| 7/23/2012 3:49:15 AM | 0.29 | 214 | 313 | 3 |
| 7/23/2012 3:50:15 AM | 0.28 | 213 | 312 | 3 |
| 7/23/2012 3:51:15 AM | 0.29 | 213 | 312 | 3 |
| 7/23/2012 3:52:15 AM | 0.29 | 212 | 310 | 3 |
| 7/23/2012 3:53:15 AM | 0.29 | 213 | 310 | 3 |
| 7/23/2012 3:54:15 AM | 0.29 | 213 | 311 | 3 |
| 7/23/2012 3:55:15 AM | 0.28 | 213 | 312 | 3 |
| 7/23/2012 3:56:15 AM | 0.29 | 214 | 312 | 3 |
| 7/23/2012 3:57:15 AM | 0.29 | 213 | 312 | 3 |
| 7/23/2012 3:58:15 AM | 0.29 | 213 | 313 | 3 |
| 7/23/2012 3:59:15 AM | 0.29 | 213 | 313 | 3 |
| 7/23/2012 4:00:15 AM | 0.29 | 212 | 317 | 3 |
| 7/23/2012 4:01:15 AM | 0.29 | 212 | 317 | 3 |
| 7/23/2012 4:02:15 AM | 0.29 | 212 | 317 | 3 |
| 7/23/2012 4:03:15 AM | 0.29 | 212 | 318 | 2 |
| 7/23/2012 4:04:15 AM | 0.29 | 213 | 318 | 2 |
| 7/23/2012 4:05:15 AM | 0.29 | 212 | 323 | 3 |
| 7/23/2012 4:06:15 AM | 0.29 | 212 | 324 | 3 |
| 7/23/2012 4:07:15 AM | 0.29 | 212 | 324 | 3 |
| 7/23/2012 4:08:15 AM | 0.29 | 211 | 326 | 3 |
| 7/23/2012 4:09:15 AM | 0.29 | 210 | 327 | 3 |
| 7/23/2012 4:10:15 AM | 0.29 | 210 | 327 | 3 |
| 7/23/2012 4:11:15 AM | 0.29 | 211 | 329 | 3 |
| 7/23/2012 4:12:15 AM | 0.29 | 211 | 329 | 3 |
| 7/23/2012 4:13:15 AM | 0.29 | 211 | 329 | 3 |
| 7/23/2012 4:14:15 AM | 0.29 | 211 | 329 | 3 |
| 7/23/2012 4:15:15 AM | 0.29 | 211 | 331 | 3 |
| 7/23/2012 4:16:15 AM | 0.29 | 211 | 332 | 3 |
| 7/23/2012 4:17:15 AM | 0.29 | 210 | 332 | 3 |
| 7/23/2012 4:18:15 AM | 0.29 | 211 | 333 | 3 |
| 7/23/2012 4:19:15 AM | 0.29 | 211 | 333 | 3 |
| 7/23/2012 4:20:15 AM | 0.29 | 211 | 336 | 3 |
| 7/23/2012 4:21:15 AM | 0.29 | 211 | 341 | 3 |
| 7/23/2012 4:22:15 AM | 0.29 | 211 | 338 | 3 |
| 7/23/2012 4:23:15 AM | 0.29 | 212 | 337 | 3 |
| 7/23/2012 4:24:15 AM | 0.29 | 211 | 336 | 3 |
| 7/23/2012 4:25:15 AM | 0.29 | 210 | 334 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 4:26:15 AM | 0.29 | 211 | 334 | 3 |
| 7/23/2012 4:27:15 AM | 0.30 | 211 | 333 | 4 |
| 7/23/2012 4:28:15 AM | 0.29 | 209 | 332 | 4 |
| 7/23/2012 4:29:15 AM | 0.29 | 210 | 330 | 4 |
| 7/23/2012 4:30:15 AM | 0.29 | 210 | 330 | 4 |
| 7/23/2012 4:31:15 AM | 0.29 | 210 | 328 | 4 |
| 7/23/2012 4:32:15 AM | 0.29 | 210 | 327 | 4 |
| 7/23/2012 4:33:15 AM | 0.29 | 210 | 327 | 4 |
| 7/23/2012 4:34:15 AM | 0.29 | 210 | 326 | 4 |
| 7/23/2012 4:35:15 AM | 0.29 | 210 | 326 | 4 |
| 7/23/2012 4:36:15 AM | 0.29 | 210 | 326 | 3 |
| 7/23/2012 4:37:15 AM | 0.29 | 211 | 325 | 3 |
| 7/23/2012 4:38:15 AM | 0.29 | 211 | 324 | 4 |
| 7/23/2012 4:39:15 AM | 0.29 | 210 | 323 | 4 |
| 7/23/2012 4:40:15 AM | 0.29 | 210 | 323 | 4 |
| 7/23/2012 4:41:15 AM | 0.29 | 211 | 323 | 4 |
| 7/23/2012 4:42:15 AM | 0.29 | 210 | 323 | 4 |
| 7/23/2012 4:43:15 AM | 0.29 | 210 | 324 | 4 |
| 7/23/2012 4:44:15 AM | 0.29 | 211 | 323 | 4 |
| 7/23/2012 4:45:15 AM | 0.29 | 211 | 323 | 3 |
| 7/23/2012 4:46:15 AM | 0.29 | 211 | 322 | 3 |
| 7/23/2012 4:47:15 AM | 0.29 | 211 | 322 | 3 |
| 7/23/2012 4:48:15 AM | 0.29 | 211 | 323 | 3 |
| 7/23/2012 4:49:15 AM | 0.29 | 211 | 322 | 3 |
| 7/23/2012 4:50:15 AM | 0.29 | 211 | 321 | 3 |
| 7/23/2012 4:51:15 AM | 0.29 | 211 | 321 | 3 |
| 7/23/2012 4:52:15 AM | 0.29 | 211 | 322 | 3 |
| 7/23/2012 4:53:15 AM | 0.29 | 211 | 321 | 3 |
| 7/23/2012 4:54:15 AM | 0.29 | 211 | 320 | 3 |
| 7/23/2012 4:55:15 AM | 0.29 | 211 | 321 | 3 |
| 7/23/2012 4:56:15 AM | 0.29 | 211 | 318 | 4 |
| 7/23/2012 4:57:15 AM | 0.29 | 211 | 320 | 4 |
| 7/23/2012 4:58:15 AM | 0.29 | 211 | 319 | 4 |
| 7/23/2012 4:59:15 AM | 0.29 | 212 | 319 | 4 |
| 7/23/2012 5:00:15 AM | 0.29 | 212 | 321 | 4 |
| 7/23/2012 5:01:15 AM | 0.29 | 212 | 319 | 4 |
| 7/23/2012 5:02:15 AM | 0.29 | 211 | 318 | 4 |
| 7/23/2012 5:03:15 AM | 0.29 | 210 | 319 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 5:04:15 AM | 0.29 | 211 | 318 | 3 |
| 7/23/2012 5:05:15 AM | 0.29 | 212 | 318 | 4 |
| 7/23/2012 5:06:15 AM | 0.29 | 212 | 319 | 4 |
| 7/23/2012 5:07:15 AM | 0.29 | 212 | 319 | 4 |
| 7/23/2012 5:08:15 AM | 0.29 | 211 | 317 | 4 |
| 7/23/2012 5:09:15 AM | 0.29 | 212 | 318 | 3 |
| 7/23/2012 5:10:15 AM | 0.29 | 212 | 318 | 3 |
| 7/23/2012 5:11:15 AM | 0.29 | 213 | 320 | 3 |
| 7/23/2012 5:12:15 AM | 0.29 | 213 | 320 | 3 |
| 7/23/2012 5:13:15 AM | 0.29 | 212 | 320 | 3 |
| 7/23/2012 5:14:15 AM | 0.29 | 212 | 320 | 4 |
| 7/23/2012 5:15:15 AM | 0.29 | 212 | 321 | 4 |
| 7/23/2012 5:16:15 AM | 0.29 | 212 | 321 | 4 |
| 7/23/2012 5:17:15 AM | 0.29 | 212 | 319 | 4 |
| 7/23/2012 5:18:15 AM | 0.29 | 213 | 320 | 4 |
| 7/23/2012 5:19:15 AM | 0.29 | 214 | 321 | 4 |
| 7/23/2012 5:20:15 AM | 0.29 | 215 | 322 | 4 |
| 7/23/2012 5:21:15 AM | 0.29 | 214 | 320 | 3 |
| 7/23/2012 5:22:15 AM | 0.29 | 214 | 321 | 3 |
| 7/23/2012 5:23:15 AM | 0.29 | 214 | 323 | 4 |
| 7/23/2012 5:24:15 AM | 0.29 | 214 | 325 | 3 |
| 7/23/2012 5:25:15 AM | 0.28 | 213 | 326 | 3 |
| 7/23/2012 5:26:15 AM | 0.29 | 213 | 325 | 3 |
| 7/23/2012 5:27:15 AM | 0.29 | 213 | 327 | 3 |
| 7/23/2012 5:28:15 AM | 0.29 | 212 | 328 | 3 |
| 7/23/2012 5:29:15 AM | 0.29 | 212 | 328 | 3 |
| 7/23/2012 5:30:15 AM | 0.29 | 212 | 330 | 3 |
| 7/23/2012 5:31:15 AM | 0.29 | 211 | 332 | 3 |
| 7/23/2012 5:32:15 AM | 0.29 | 211 | 332 | 3 |
| 7/23/2012 5:33:15 AM | 0.29 | 210 | 332 | 3 |
| 7/23/2012 5:34:15 AM | 0.29 | 210 | 332 | 3 |
| 7/23/2012 5:35:15 AM | 0.30 | 211 | 332 | 4 |
| 7/23/2012 5:36:15 AM | 0.29 | 210 | 333 | 4 |
| 7/23/2012 5:37:15 AM | 0.29 | 210 | 335 | 4 |
| 7/23/2012 5:38:15 AM | 0.29 | 211 | 336 | 4 |
| 7/23/2012 5:39:15 AM | 0.29 | 212 | 338 | 3 |
| 7/23/2012 5:40:15 AM | 0.29 | 211 | 339 | 3 |
| 7/23/2012 5:41:15 AM | 0.29 | 212 | 341 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 5:42:15 AM | 0.29 | 211 | 341 | 4 |
| 7/23/2012 5:43:15 AM | 0.29 | 210 | 341 | 4 |
| 7/23/2012 5:44:15 AM | 0.29 | 211 | 340 | 4 |
| 7/23/2012 5:45:15 AM | 0.29 | 210 | 340 | 4 |
| 7/23/2012 5:46:15 AM | 0.29 | 210 | 339 | 3 |
| 7/23/2012 5:47:15 AM | 0.29 | 210 | 337 | 4 |
| 7/23/2012 5:48:15 AM | 0.29 | 210 | 337 | 4 |
| 7/23/2012 5:49:15 AM | 0.29 | 209 | 337 | 4 |
| 7/23/2012 5:50:15 AM | 0.29 | 209 | 337 | 4 |
| 7/23/2012 5:51:15 AM | 0.29 | 209 | 337 | 4 |
| 7/23/2012 5:52:15 AM | 0.29 | 209 | 335 | 4 |
| 7/23/2012 5:53:15 AM | 0.29 | 209 | 334 | 4 |
| 7/23/2012 5:54:15 AM | 0.29 | 208 | 333 | 4 |
| 7/23/2012 5:55:15 AM | 0.29 | 209 | 332 | 4 |
| 7/23/2012 5:56:15 AM | 0.29 | 209 | 332 | 4 |
| 7/23/2012 5:57:15 AM | 0.29 | 210 | 333 | 3 |
| 7/23/2012 5:58:15 AM | 0.29 | 209 | 332 | 4 |
| 7/23/2012 5:59:15 AM | 0.29 | 209 | 331 | 4 |
| 7/23/2012 6:00:15 AM | 0.30 | 209 | 332 | 4 |
| 7/23/2012 6:01:15 AM | 0.30 | 209 | 332 | 4 |
| 7/23/2012 6:02:15 AM | 0.30 | 209 | 331 | 4 |
| 7/23/2012 6:03:15 AM | 0.30 | 208 | 331 | 4 |
| 7/23/2012 6:04:15 AM | 0.29 | 209 | 329 | 4 |
| 7/23/2012 6:05:15 AM | 0.30 | 209 | 329 | 4 |
| 7/23/2012 6:06:15 AM | 0.29 | 209 | 328 | 4 |
| 7/23/2012 6:07:15 AM | 0.30 | 209 | 327 | 3 |
| 7/23/2012 6:08:15 AM | 0.29 | 210 | 327 | 4 |
| 7/23/2012 6:09:15 AM | 0.29 | 209 | 328 | 4 |
| 7/23/2012 6:10:15 AM | 0.29 | 209 | 327 | 4 |
| 7/23/2012 6:11:15 AM | 0.29 | 209 | 328 | 4 |
| 7/23/2012 6:12:15 AM | 0.29 | 209 | 330 | 4 |
| 7/23/2012 6:13:15 AM | 0.29 | 210 | 331 | 4 |
| 7/23/2012 6:14:15 AM | 0.29 | 209 | 330 | 4 |
| 7/23/2012 6:15:15 AM | 0.29 | 209 | 330 | 4 |
| 7/23/2012 6:16:15 AM | 0.29 | 209 | 330 | 4 |
| 7/23/2012 6:17:15 AM | 0.29 | 209 | 328 | 4 |
| 7/23/2012 6:18:15 AM | 0.29 | 209 | 331 | 4 |
| 7/23/2012 6:19:15 AM | 0.29 | 210 | 332 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 6:20:15 AM | 0.29 | 210 | 331 | 4 |
| 7/23/2012 6:21:15 AM | 0.29 | 210 | 332 | 4 |
| 7/23/2012 6:22:15 AM | 0.29 | 211 | 331 | 4 |
| 7/23/2012 6:23:15 AM | 0.29 | 211 | 329 | 4 |
| 7/23/2012 6:24:15 AM | 0.29 | 211 | 330 | 4 |
| 7/23/2012 6:25:15 AM | 0.29 | 212 | 332 | 4 |
| 7/23/2012 6:26:15 AM | 0.29 | 212 | 333 | 4 |
| 7/23/2012 6:27:15 AM | 0.29 | 212 | 334 | 4 |
| 7/23/2012 6:28:15 AM | 0.29 | 212 | 332 | 4 |
| 7/23/2012 6:29:15 AM | 0.30 | 212 | 332 | 4 |
| 7/23/2012 6:30:15 AM | 0.29 | 212 | 332 | 5 |
| 7/23/2012 6:31:15 AM | 0.29 | 213 | 333 | 5 |
| 7/23/2012 6:32:15 AM | 0.29 | 214 | 334 | 5 |
| 7/23/2012 6:33:15 AM | 0.29 | 215 | 336 | 4 |
| 7/23/2012 6:34:15 AM | 0.29 | 215 | 337 | 4 |
| 7/23/2012 6:35:15 AM | 0.29 | 214 | 337 | 4 |
| 7/23/2012 6:36:15 AM | 0.29 | 215 | 337 | 4 |
| 7/23/2012 6:37:15 AM | 0.29 | 216 | 337 | 4 |
| 7/23/2012 6:38:15 AM | 0.29 | 216 | 337 | 4 |
| 7/23/2012 6:39:15 AM | 0.29 | 216 | 337 | 4 |
| 7/23/2012 6:40:15 AM | 0.29 | 216 | 337 | 4 |
| 7/23/2012 6:41:15 AM | 0.29 | 216 | 338 | 4 |
| 7/23/2012 6:42:15 AM | 0.29 | 215 | 339 | 4 |
| 7/23/2012 6:43:15 AM | 0.29 | 215 | 340 | 4 |
| 7/23/2012 6:44:15 AM | 0.29 | 215 | 340 | 4 |
| 7/23/2012 6:45:15 AM | 0.29 | 215 | 338 | 4 |
| 7/23/2012 6:46:15 AM | 0.29 | 214 | 338 | 4 |
| 7/23/2012 6:47:15 AM | 0.28 | 213 | 337 | 4 |
| 7/23/2012 6:48:15 AM | 0.29 | 213 | 335 | 4 |
| 7/23/2012 6:49:15 AM | 0.29 | 214 | 334 | 4 |
| 7/23/2012 6:50:15 AM | 0.29 | 213 | 334 | 4 |
| 7/23/2012 6:51:15 AM | 0.29 | 212 | 334 | 4 |
| 7/23/2012 6:52:15 AM | 0.29 | 213 | 332 | 4 |
| 7/23/2012 6:53:15 AM | 0.29 | 214 | 332 | 4 |
| 7/23/2012 6:54:15 AM | 0.29 | 215 | 333 | 4 |
| 7/23/2012 6:55:15 AM | 0.29 | 215 | 332 | 4 |
| 7/23/2012 6:56:15 AM | 0.29 | 214 | 330 | 4 |
| 7/23/2012 6:57:15 AM | 0.29 | 214 | 332 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 6:58:15 AM | 0.29 | 215 | 332 | 4 |
| 7/23/2012 6:59:15 AM | 0.29 | 214 | 332 | 4 |
| 7/23/2012 7:00:15 AM | 0.29 | 214 | 333 | 4 |
| 7/23/2012 7:01:15 AM | 0.29 | 215 | 332 | 4 |
| 7/23/2012 7:02:15 AM | 0.29 | 216 | 331 | 4 |
| 7/23/2012 7:03:15 AM | 0.29 | 216 | 331 | 4 |
| 7/23/2012 7:04:15 AM | 0.29 | 215 | 330 | 4 |
| 7/23/2012 7:05:15 AM | 0.29 | 215 | 330 | 4 |
| 7/23/2012 7:06:15 AM | 0.29 | 215 | 331 | 4 |
| 7/23/2012 7:07:15 AM | 0.29 | 215 | 331 | 4 |
| 7/23/2012 7:08:15 AM | 0.29 | 215 | 331 | 4 |
| 7/23/2012 7:09:15 AM | 0.29 | 215 | 331 | 4 |
| 7/23/2012 7:10:15 AM | 0.29 | 215 | 331 | 4 |
| 7/23/2012 7:11:15 AM | 0.29 | 216 | 332 | 4 |
| 7/23/2012 7:12:15 AM | 0.29 | 217 | 334 | 4 |
| 7/23/2012 7:13:15 AM | 0.29 | 217 | 335 | 4 |
| 7/23/2012 7:14:15 AM | 0.29 | 216 | 333 | 4 |
| 7/23/2012 7:15:15 AM | 0.29 | 217 | 333 | 3 |
| 7/23/2012 7:16:15 AM | 0.29 | 216 | 333 | 3 |
| 7/23/2012 7:17:15 AM | 0.29 | 217 | 333 | 4 |
| 7/23/2012 7:18:15 AM | 0.29 | 217 | 332 | 4 |
| 7/23/2012 7:19:15 AM | 0.29 | 218 | 333 | 4 |
| 7/23/2012 7:20:15 AM | 0.29 | 219 | 333 | 4 |
| 7/23/2012 7:21:15 AM | 0.28 | 218 | 334 | 4 |
| 7/23/2012 7:22:15 AM | 0.29 | 218 | 336 | 4 |
| 7/23/2012 7:23:15 AM | 0.29 | 218 | 333 | 4 |
| 7/23/2012 7:24:15 AM | 0.29 | 220 | 337 | 3 |
| 7/23/2012 7:25:15 AM | 0.29 | 221 | 338 | 3 |
| 7/23/2012 7:26:15 AM | 0.29 | 220 | 339 | 3 |
| 7/23/2012 7:27:15 AM | 0.29 | 221 | 343 | 3 |
| 7/23/2012 7:28:15 AM | 0.29 | 221 | 347 | 3 |
| 7/23/2012 7:29:15 AM | 0.29 | 221 | 349 | 3 |
| 7/23/2012 7:30:15 AM | 0.29 | 221 | 351 | 3 |
| 7/23/2012 7:31:15 AM | 0.29 | 220 | 351 | 3 |
| 7/23/2012 7:32:15 AM | 0.29 | 220 | 350 | 4 |
| 7/23/2012 7:33:15 AM | 0.29 | 221 | 349 | 4 |
| 7/23/2012 7:34:15 AM | 0.28 | 220 | 349 | 4 |
| 7/23/2012 7:35:15 AM | 0.29 | 220 | 350 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 7:36:15 AM | 0.29 | 218 | 349 | 4 |
| 7/23/2012 7:37:15 AM | 0.29 | 218 | 347 | 4 |
| 7/23/2012 7:38:15 AM | 0.29 | 218 | 347 | 4 |
| 7/23/2012 7:39:15 AM | 0.29 | 219 | 350 | 4 |
| 7/23/2012 7:40:15 AM | 0.29 | 219 | 350 | 4 |
| 7/23/2012 7:41:15 AM | 0.29 | 219 | 351 | 4 |
| 7/23/2012 7:42:15 AM | 0.29 | 219 | 351 | 4 |
| 7/23/2012 7:43:15 AM | 0.29 | 219 | 349 | 4 |
| 7/23/2012 7:44:15 AM | 0.29 | 219 | 353 | 4 |
| 7/23/2012 7:45:15 AM | 0.29 | 219 | 352 | 3 |
| 7/23/2012 7:46:15 AM | 0.29 | 220 | 351 | 3 |
| 7/23/2012 7:47:15 AM | 0.29 | 221 | 354 | 3 |
| 7/23/2012 7:48:15 AM | 0.29 | 221 | 355 | 3 |
| 7/23/2012 7:49:15 AM | 0.29 | 222 | 354 | 3 |
| 7/23/2012 7:50:15 AM | 0.29 | 222 | 354 | 3 |
| 7/23/2012 7:51:15 AM | 0.29 | 222 | 355 | 3 |
| 7/23/2012 7:52:15 AM | 0.28 | 222 | 357 | 3 |
| 7/23/2012 7:53:15 AM | 0.29 | 222 | 358 | 3 |
| 7/23/2012 7:54:15 AM | 0.29 | 222 | 358 | 3 |
| 7/23/2012 7:55:15 AM | 0.29 | 223 | 360 | 3 |
| 7/23/2012 7:56:15 AM | 0.29 | 223 | 361 | 3 |
| 7/23/2012 7:57:15 AM | 0.29 | 223 | 362 | 3 |
| 7/23/2012 7:58:15 AM | 0.29 | 223 | 361 | 3 |
| 7/23/2012 7:59:15 AM | Start Calibration | | | |
| 7/23/2012 8:00:15 AM | | | | |
| 7/23/2012 8:01:15 AM | | | | |
| 7/23/2012 8:02:15 AM | | | | |
| 7/23/2012 8:03:15 AM | | | | |
| 7/23/2012 8:04:15 AM | | | | |
| 7/23/2012 8:05:15 AM | | | | |
| 7/23/2012 8:06:15 AM | | | | |
| 7/23/2012 8:07:15 AM | | | | |
| 7/23/2012 8:08:15 AM | | | | |
| 7/23/2012 8:09:15 AM | | | | |
| 7/23/2012 8:10:15 AM | | | | |
| 7/23/2012 8:11:15 AM | | | | |
| 7/23/2012 8:12:15 AM | | | | |
| 7/23/2012 8:13:15 AM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 8:14:15 AM | | | | |
| 7/23/2012 8:15:15 AM | | | | |
| 7/23/2012 8:16:15 AM | | | | |
| 7/23/2012 8:17:15 AM | | | | |
| 7/23/2012 8:18:15 AM | | | | |
| 7/23/2012 8:19:15 AM | | | | |
| 7/23/2012 8:20:15 AM | | | | |
| 7/23/2012 8:21:15 AM | | | | |
| 7/23/2012 8:22:15 AM | | | | |
| 7/23/2012 8:23:15 AM | | | | |
| 7/23/2012 8:24:15 AM | End Calibration | | | |
| 7/23/2012 8:25:15 AM | 0.29 | 219 | 284 | 4 |
| 7/23/2012 8:26:15 AM | 0.29 | 219 | 289 | 4 |
| 7/23/2012 8:27:15 AM | 0.29 | 219 | 294 | 4 |
| 7/23/2012 8:28:15 AM | 0.29 | 219 | 295 | 4 |
| 7/23/2012 8:29:15 AM | 0.29 | 218 | 297 | 4 |
| 7/23/2012 8:30:15 AM | 0.29 | 218 | 302 | 4 |
| 7/23/2012 8:31:15 AM | 0.29 | 217 | 303 | 4 |
| 7/23/2012 8:32:15 AM | 0.28 | 216 | 303 | 4 |
| 7/23/2012 8:33:15 AM | 0.29 | 216 | 305 | 3 |
| 7/23/2012 8:34:15 AM | 0.28 | 217 | 307 | 3 |
| 7/23/2012 8:35:15 AM | 0.29 | 217 | 309 | 4 |
| 7/23/2012 8:36:15 AM | 0.28 | 218 | 312 | 4 |
| 7/23/2012 8:37:15 AM | 0.29 | 218 | 315 | 4 |
| 7/23/2012 8:38:15 AM | 0.29 | 219 | 315 | 4 |
| 7/23/2012 8:39:15 AM | 0.28 | 219 | 316 | 4 |
| 7/23/2012 8:40:15 AM | 0.29 | 218 | 318 | 4 |
| 7/23/2012 8:41:15 AM | 0.29 | 218 | 319 | 4 |
| 7/23/2012 8:42:15 AM | 0.28 | 218 | 318 | 4 |
| 7/23/2012 8:43:15 AM | 0.28 | 218 | 316 | 4 |
| 7/23/2012 8:44:15 AM | 0.28 | 220 | 319 | 4 |
| 7/23/2012 8:45:15 AM | 0.29 | 220 | 322 | 4 |
| 7/23/2012 8:46:15 AM | 0.29 | 222 | 322 | 4 |
| 7/23/2012 8:47:15 AM | 0.29 | 223 | 325 | 4 |
| 7/23/2012 8:48:15 AM | 0.29 | 223 | 328 | 4 |
| 7/23/2012 8:49:15 AM | 0.28 | 224 | 328 | 4 |
| 7/23/2012 8:50:15 AM | 0.28 | 223 | 328 | 4 |
| 7/23/2012 8:51:15 AM | 0.29 | 223 | 329 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 8:52:15 AM | 0.28 | 223 | 329 | 4 |
| 7/23/2012 8:53:15 AM | 0.29 | 224 | 330 | 4 |
| 7/23/2012 8:54:15 AM | 0.29 | 224 | 332 | 3 |
| 7/23/2012 8:55:15 AM | 0.29 | 224 | 333 | 3 |
| 7/23/2012 8:56:15 AM | 0.29 | 224 | 332 | 4 |
| 7/23/2012 8:57:15 AM | 0.29 | 224 | 333 | 4 |
| 7/23/2012 8:58:15 AM | 0.28 | 222 | 331 | 4 |
| 7/23/2012 8:59:15 AM | 0.29 | 222 | 328 | 4 |
| 7/23/2012 9:00:15 AM | 0.29 | 223 | 329 | 4 |
| 7/23/2012 9:01:15 AM | 0.29 | 223 | 329 | 4 |
| 7/23/2012 9:02:15 AM | 0.29 | 223 | 331 | 4 |
| 7/23/2012 9:03:15 AM | 0.29 | 223 | 333 | 4 |
| 7/23/2012 9:04:15 AM | 0.29 | 222 | 332 | 4 |
| 7/23/2012 9:05:15 AM | 0.28 | 222 | 329 | 4 |
| 7/23/2012 9:06:15 AM | 0.28 | 222 | 330 | 4 |
| 7/23/2012 9:07:15 AM | 0.29 | 222 | 332 | 4 |
| 7/23/2012 9:08:15 AM | 0.29 | 223 | 332 | 4 |
| 7/23/2012 9:09:15 AM | 0.29 | 222 | 334 | 4 |
| 7/23/2012 9:10:15 AM | 0.29 | 222 | 333 | 4 |
| 7/23/2012 9:11:15 AM | 0.29 | 223 | 336 | 4 |
| 7/23/2012 9:12:15 AM | 0.28 | 224 | 337 | 3 |
| 7/23/2012 9:13:15 AM | 0.29 | 224 | 339 | 3 |
| 7/23/2012 9:14:15 AM | 0.28 | 223 | 339 | 3 |
| 7/23/2012 9:15:15 AM | 0.28 | 222 | 339 | 3 |
| 7/23/2012 9:16:15 AM | 0.29 | 222 | 339 | 3 |
| 7/23/2012 9:17:15 AM | 0.29 | 221 | 337 | 3 |
| 7/23/2012 9:18:15 AM | 0.28 | 220 | 336 | 3 |
| 7/23/2012 9:19:15 AM | 0.29 | 221 | 336 | 3 |
| 7/23/2012 9:20:15 AM | 0.29 | 221 | 338 | 4 |
| 7/23/2012 9:21:15 AM | 0.29 | 221 | 339 | 4 |
| 7/23/2012 9:22:15 AM | 0.28 | 221 | 338 | 4 |
| 7/23/2012 9:23:15 AM | 0.28 | 222 | 340 | 4 |
| 7/23/2012 9:24:15 AM | 0.28 | 223 | 342 | 4 |
| 7/23/2012 9:25:15 AM | 0.29 | 224 | 341 | 4 |
| 7/23/2012 9:26:15 AM | 0.29 | 223 | 340 | 4 |
| 7/23/2012 9:27:15 AM | 0.29 | 223 | 342 | 3 |
| 7/23/2012 9:28:15 AM | 0.28 | 223 | 339 | 3 |
| 7/23/2012 9:29:15 AM | 0.28 | 224 | 341 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 9:30:15 AM | 0.29 | 224 | 341 | 4 |
| 7/23/2012 9:31:15 AM | 0.28 | 223 | 342 | 4 |
| 7/23/2012 9:32:15 AM | 0.28 | 224 | 343 | 4 |
| 7/23/2012 9:33:15 AM | 0.28 | 225 | 342 | 4 |
| 7/23/2012 9:34:15 AM | 0.28 | 225 | 343 | 4 |
| 7/23/2012 9:35:15 AM | 0.28 | 226 | 343 | 4 |
| 7/23/2012 9:36:15 AM | 0.28 | 225 | 345 | 4 |
| 7/23/2012 9:37:15 AM | 0.28 | 226 | 344 | 4 |
| 7/23/2012 9:38:15 AM | 0.28 | 225 | 342 | 4 |
| 7/23/2012 9:39:15 AM | 0.28 | 224 | 338 | 4 |
| 7/23/2012 9:40:15 AM | 0.28 | 223 | 336 | 4 |
| 7/23/2012 9:41:15 AM | 0.28 | 222 | 335 | 4 |
| 7/23/2012 9:42:15 AM | 0.28 | 222 | 333 | 4 |
| 7/23/2012 9:43:15 AM | 0.28 | 222 | 332 | 4 |
| 7/23/2012 9:44:15 AM | 0.28 | 220 | 332 | 4 |
| 7/23/2012 9:45:15 AM | 0.28 | 220 | 331 | 4 |
| 7/23/2012 9:46:15 AM | 0.28 | 220 | 331 | 4 |
| 7/23/2012 9:47:15 AM | 0.28 | 220 | 331 | 4 |
| 7/23/2012 9:48:15 AM | 0.28 | 220 | 331 | 3 |
| 7/23/2012 9:49:15 AM | 0.28 | 221 | 330 | 3 |
| 7/23/2012 9:50:15 AM | 0.28 | 220 | 331 | 4 |
| 7/23/2012 9:51:15 AM | 0.28 | 221 | 331 | 4 |
| 7/23/2012 9:52:15 AM | 0.28 | 222 | 332 | 4 |
| 7/23/2012 9:53:15 AM | 0.28 | 222 | 334 | 4 |
| 7/23/2012 9:54:15 AM | 0.28 | 223 | 337 | 4 |
| 7/23/2012 9:55:15 AM | 0.28 | 223 | 339 | 4 |
| 7/23/2012 9:56:15 AM | 0.28 | 224 | 340 | 4 |
| 7/23/2012 9:57:15 AM | 0.28 | 223 | 340 | 4 |
| 7/23/2012 9:58:15 AM | 0.28 | 222 | 343 | 4 |
| 7/23/2012 9:59:15 AM | 0.28 | 223 | 343 | 4 |
| 7/23/2012 10:00:15 AM | 0.28 | 224 | 345 | 4 |
| 7/23/2012 10:01:15 AM | 0.28 | 224 | 347 | 4 |
| 7/23/2012 10:02:15 AM | 0.28 | 225 | 348 | 4 |
| 7/23/2012 10:03:15 AM | 0.28 | 225 | 349 | 4 |
| 7/23/2012 10:04:15 AM | 0.28 | 224 | 352 | 4 |
| 7/23/2012 10:05:15 AM | 0.29 | 223 | 352 | 4 |
| 7/23/2012 10:06:15 AM | 0.28 | 223 | 351 | 4 |
| 7/23/2012 10:07:15 AM | 0.28 | 222 | 348 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 10:08:15 AM | 0.28 | 220 | 347 | 4 |
| 7/23/2012 10:09:15 AM | 0.29 | 220 | 348 | 4 |
| 7/23/2012 10:10:15 AM | 0.29 | 220 | 347 | 4 |
| 7/23/2012 10:11:15 AM | 0.29 | 221 | 348 | 4 |
| 7/23/2012 10:12:15 AM | 0.29 | 222 | 349 | 4 |
| 7/23/2012 10:13:15 AM | 0.29 | 222 | 348 | 4 |
| 7/23/2012 10:14:15 AM | 0.29 | 221 | 349 | 4 |
| 7/23/2012 10:15:15 AM | 0.29 | 220 | 348 | 4 |
| 7/23/2012 10:16:15 AM | 0.29 | 219 | 348 | 4 |
| 7/23/2012 10:17:15 AM | 0.29 | 220 | 347 | 4 |
| 7/23/2012 10:18:15 AM | 0.29 | 220 | 346 | 4 |
| 7/23/2012 10:19:15 AM | 0.29 | 219 | 346 | 4 |
| 7/23/2012 10:20:15 AM | 0.29 | 218 | 344 | 4 |
| 7/23/2012 10:21:15 AM | 0.29 | 217 | 344 | 3 |
| 7/23/2012 10:22:15 AM | 0.28 | 217 | 345 | 3 |
| 7/23/2012 10:23:15 AM | 0.29 | 217 | 346 | 4 |
| 7/23/2012 10:24:15 AM | 0.29 | 217 | 345 | 4 |
| 7/23/2012 10:25:15 AM | 0.29 | 217 | 347 | 4 |
| 7/23/2012 10:26:15 AM | 0.29 | 217 | 344 | 4 |
| 7/23/2012 10:27:15 AM | 0.29 | 217 | 344 | 3 |
| 7/23/2012 10:28:15 AM | 0.29 | 217 | 343 | 3 |
| 7/23/2012 10:29:15 AM | 0.29 | 217 | 344 | 4 |
| 7/23/2012 10:30:15 AM | 0.28 | 218 | 346 | 4 |
| 7/23/2012 10:31:15 AM | 0.29 | 216 | 346 | 4 |
| 7/23/2012 10:32:15 AM | 0.29 | 216 | 343 | 4 |
| 7/23/2012 10:33:15 AM | 0.29 | 217 | 345 | 4 |
| 7/23/2012 10:34:15 AM | 0.28 | 218 | 346 | 4 |
| 7/23/2012 10:35:15 AM | 0.29 | 219 | 348 | 4 |
| 7/23/2012 10:36:15 AM | 0.29 | 219 | 349 | 4 |
| 7/23/2012 10:37:15 AM | 0.29 | 220 | 352 | 4 |
| 7/23/2012 10:38:15 AM | 0.28 | 222 | 356 | 4 |
| 7/23/2012 10:39:15 AM | 0.28 | 222 | 357 | 4 |
| 7/23/2012 10:40:15 AM | 0.29 | 220 | 358 | 4 |
| 7/23/2012 10:41:15 AM | 0.28 | 220 | 357 | 4 |
| 7/23/2012 10:42:15 AM | 0.29 | 222 | 358 | 4 |
| 7/23/2012 10:43:15 AM | 0.28 | 223 | 357 | 4 |
| 7/23/2012 10:44:15 AM | 0.29 | 222 | 358 | 4 |
| 7/23/2012 10:45:15 AM | 0.29 | 223 | 360 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 10:46:15 AM | 0.28 | 223 | 361 | 4 |
| 7/23/2012 10:47:15 AM | 0.29 | 221 | 361 | 4 |
| 7/23/2012 10:48:15 AM | 0.29 | 220 | 362 | 4 |
| 7/23/2012 10:49:15 AM | 0.28 | 219 | 361 | 4 |
| 7/23/2012 10:50:15 AM | 0.29 | 220 | 359 | 4 |
| 7/23/2012 10:51:15 AM | 0.29 | 219 | 358 | 4 |
| 7/23/2012 10:52:15 AM | 0.28 | 219 | 359 | 4 |
| 7/23/2012 10:53:15 AM | 0.29 | 219 | 362 | 4 |
| 7/23/2012 10:54:15 AM | 0.28 | 220 | 362 | 4 |
| 7/23/2012 10:55:15 AM | 0.29 | 219 | 361 | 4 |
| 7/23/2012 10:56:15 AM | 0.29 | 219 | 362 | 4 |
| 7/23/2012 10:57:15 AM | 0.28 | 220 | 364 | 4 |
| 7/23/2012 10:58:15 AM | 0.29 | 219 | 362 | 4 |
| 7/23/2012 10:59:15 AM | 0.29 | 217 | 364 | 4 |
| 7/23/2012 11:00:15 AM | 0.29 | 218 | 365 | 4 |
| 7/23/2012 11:01:15 AM | 0.29 | 217 | 366 | 4 |
| 7/23/2012 11:02:15 AM | 0.29 | 218 | 367 | 4 |
| 7/23/2012 11:03:15 AM | 0.29 | 218 | 367 | 4 |
| 7/23/2012 11:04:15 AM | 0.29 | 217 | 367 | 4 |
| 7/23/2012 11:05:15 AM | 0.29 | 216 | 366 | 4 |
| 7/23/2012 11:06:15 AM | 0.29 | 216 | 366 | 4 |
| 7/23/2012 11:07:15 AM | 0.29 | 216 | 367 | 4 |
| 7/23/2012 11:08:15 AM | 0.29 | 217 | 367 | 4 |
| 7/23/2012 11:09:15 AM | 0.29 | 218 | 368 | 4 |
| 7/23/2012 11:10:15 AM | 0.30 | 218 | 366 | 4 |
| 7/23/2012 11:11:15 AM | 0.29 | 217 | 367 | 4 |
| 7/23/2012 11:12:15 AM | 0.29 | 216 | 369 | 4 |
| 7/23/2012 11:13:15 AM | 0.29 | 219 | 371 | 4 |
| 7/23/2012 11:14:15 AM | 0.29 | 218 | 370 | 4 |
| 7/23/2012 11:15:15 AM | 0.29 | 217 | 370 | 4 |
| 7/23/2012 11:16:15 AM | 0.29 | 216 | 368 | 4 |
| 7/23/2012 11:17:15 AM | 0.29 | 215 | 364 | 4 |
| 7/23/2012 11:18:15 AM | 0.29 | 217 | 364 | 4 |
| 7/23/2012 11:19:15 AM | 0.29 | 216 | 364 | 4 |
| 7/23/2012 11:20:15 AM | 0.28 | 216 | 363 | 4 |
| 7/23/2012 11:21:15 AM | 0.29 | 217 | 363 | 4 |
| 7/23/2012 11:22:15 AM | 0.29 | 216 | 362 | 4 |
| 7/23/2012 11:23:15 AM | 0.29 | 215 | 362 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 11:24:15 AM | 0.29 | 216 | 363 | 4 |
| 7/23/2012 11:25:15 AM | 0.29 | 216 | 362 | 4 |
| 7/23/2012 11:26:15 AM | 0.29 | 215 | 365 | 4 |
| 7/23/2012 11:27:15 AM | 0.29 | 216 | 366 | 4 |
| 7/23/2012 11:28:15 AM | 0.29 | 216 | 365 | 4 |
| 7/23/2012 11:29:15 AM | 0.29 | 216 | 363 | 4 |
| 7/23/2012 11:30:15 AM | 0.29 | 216 | 363 | 4 |
| 7/23/2012 11:31:15 AM | 0.28 | 216 | 364 | 4 |
| 7/23/2012 11:32:15 AM | 0.29 | 216 | 365 | 4 |
| 7/23/2012 11:33:15 AM | 0.29 | 216 | 365 | 4 |
| 7/23/2012 11:34:15 AM | 0.29 | 216 | 363 | 4 |
| 7/23/2012 11:35:15 AM | 0.29 | 215 | 360 | 4 |
| 7/23/2012 11:36:15 AM | 0.29 | 215 | 358 | 4 |
| 7/23/2012 11:37:15 AM | 0.29 | 215 | 359 | 4 |
| 7/23/2012 11:38:15 AM | 0.29 | 216 | 359 | 4 |
| 7/23/2012 11:39:15 AM | 0.29 | 215 | 360 | 4 |
| 7/23/2012 11:40:15 AM | 0.29 | 214 | 358 | 4 |
| 7/23/2012 11:41:15 AM | 0.29 | 214 | 358 | 5 |
| 7/23/2012 11:42:15 AM | 0.29 | 215 | 357 | 5 |
| 7/23/2012 11:43:15 AM | 0.28 | 214 | 359 | 5 |
| 7/23/2012 11:44:15 AM | 0.28 | 215 | 362 | 5 |
| 7/23/2012 11:45:15 AM | 0.29 | 216 | 364 | 4 |
| 7/23/2012 11:46:15 AM | 0.29 | 217 | 365 | 4 |
| 7/23/2012 11:47:15 AM | 0.29 | 217 | 362 | 4 |
| 7/23/2012 11:48:15 AM | 0.29 | 216 | 361 | 4 |
| 7/23/2012 11:49:15 AM | 0.29 | 216 | 362 | 4 |
| 7/23/2012 11:50:15 AM | 0.29 | 216 | 362 | 4 |
| 7/23/2012 11:51:15 AM | 0.29 | 216 | 365 | 4 |
| 7/23/2012 11:52:15 AM | 0.29 | 216 | 363 | 4 |
| 7/23/2012 11:53:15 AM | 0.29 | 216 | 361 | 4 |
| 7/23/2012 11:54:15 AM | 0.28 | 215 | 363 | 4 |
| 7/23/2012 11:55:15 AM | 0.29 | 216 | 364 | 4 |
| 7/23/2012 11:56:15 AM | 0.29 | 217 | 366 | 4 |
| 7/23/2012 11:57:15 AM | 0.29 | 217 | 363 | 4 |
| 7/23/2012 11:58:15 AM | 0.29 | 219 | 364 | 4 |
| 7/23/2012 11:59:15 AM | 0.28 | 220 | 368 | 4 |
| 7/23/2012 12:00:15 PM | 0.28 | 220 | 368 | 4 |
| 7/23/2012 12:01:15 PM | 0.28 | 220 | 368 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 12:02:15 PM | 0.29 | 221 | 371 | 4 |
| 7/23/2012 12:03:15 PM | 0.28 | 222 | 370 | 4 |
| 7/23/2012 12:04:15 PM | 0.28 | 222 | 370 | 4 |
| 7/23/2012 12:05:15 PM | 0.29 | 221 | 367 | 4 |
| 7/23/2012 12:06:15 PM | 0.29 | 220 | 370 | 4 |
| 7/23/2012 12:07:15 PM | 0.29 | 219 | 371 | 4 |
| 7/23/2012 12:08:15 PM | 0.29 | 217 | 369 | 5 |
| 7/23/2012 12:09:15 PM | 0.29 | 217 | 367 | 5 |
| 7/23/2012 12:10:15 PM | 0.28 | 216 | 366 | 5 |
| 7/23/2012 12:11:15 PM | 0.29 | 215 | 367 | 5 |
| 7/23/2012 12:12:15 PM | 0.29 | 215 | 367 | 5 |
| 7/23/2012 12:13:15 PM | 0.29 | 214 | 367 | 5 |
| 7/23/2012 12:14:15 PM | 0.29 | 215 | 365 | 5 |
| 7/23/2012 12:15:15 PM | 0.29 | 214 | 366 | 4 |
| 7/23/2012 12:16:15 PM | 0.29 | 215 | 365 | 4 |
| 7/23/2012 12:17:15 PM | 0.29 | 215 | 363 | 5 |
| 7/23/2012 12:18:15 PM | 0.29 | 216 | 366 | 5 |
| 7/23/2012 12:19:15 PM | 0.29 | 217 | 367 | 5 |
| 7/23/2012 12:20:15 PM | 0.29 | 217 | 369 | 5 |
| 7/23/2012 12:21:15 PM | 0.28 | 219 | 370 | 5 |
| 7/23/2012 12:22:15 PM | 0.29 | 220 | 369 | 5 |
| 7/23/2012 12:23:15 PM | 0.29 | 219 | 371 | 5 |
| 7/23/2012 12:24:15 PM | 0.28 | 217 | 371 | 4 |
| 7/23/2012 12:25:15 PM | 0.29 | 217 | 371 | 4 |
| 7/23/2012 12:26:15 PM | 0.29 | 218 | 370 | 5 |
| 7/23/2012 12:27:15 PM | 0.29 | 218 | 368 | 5 |
| 7/23/2012 12:28:15 PM | 0.29 | 217 | 368 | 5 |
| 7/23/2012 12:29:15 PM | 0.29 | 217 | 367 | 5 |
| 7/23/2012 12:30:15 PM | 0.28 | 217 | 367 | 4 |
| 7/23/2012 12:31:15 PM | 0.28 | 218 | 367 | 4 |
| 7/23/2012 12:32:15 PM | 0.29 | 218 | 368 | 4 |
| 7/23/2012 12:33:15 PM | 0.29 | 218 | 373 | 4 |
| 7/23/2012 12:34:15 PM | 0.28 | 219 | 372 | 4 |
| 7/23/2012 12:35:15 PM | 0.29 | 219 | 377 | 5 |
| 7/23/2012 12:36:15 PM | 0.29 | 218 | 374 | 5 |
| 7/23/2012 12:37:15 PM | 0.29 | 218 | 369 | 5 |
| 7/23/2012 12:38:15 PM | 0.29 | 217 | 369 | 5 |
| 7/23/2012 12:39:15 PM | 0.29 | 217 | 368 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 12:40:15 PM | 0.28 | 216 | 370 | 4 |
| 7/23/2012 12:41:15 PM | 0.29 | 216 | 372 | 4 |
| 7/23/2012 12:42:15 PM | 0.28 | 216 | 370 | 4 |
| 7/23/2012 12:43:15 PM | 0.29 | 216 | 367 | 4 |
| 7/23/2012 12:44:15 PM | 0.29 | 215 | 366 | 5 |
| 7/23/2012 12:45:15 PM | 0.29 | 215 | 366 | 5 |
| 7/23/2012 12:46:15 PM | 0.29 | 215 | 367 | 5 |
| 7/23/2012 12:47:15 PM | 0.29 | 215 | 368 | 5 |
| 7/23/2012 12:48:15 PM | 0.29 | 215 | 369 | 5 |
| 7/23/2012 12:49:15 PM | 0.29 | 215 | 369 | 5 |
| 7/23/2012 12:50:15 PM | 0.28 | 215 | 367 | 5 |
| 7/23/2012 12:51:15 PM | 0.29 | 215 | 365 | 5 |
| 7/23/2012 12:52:15 PM | 0.29 | 216 | 365 | 5 |
| 7/23/2012 12:53:15 PM | 0.29 | 215 | 363 | 5 |
| 7/23/2012 12:54:15 PM | 0.29 | 215 | 365 | 4 |
| 7/23/2012 12:55:15 PM | 0.28 | 216 | 364 | 4 |
| 7/23/2012 12:56:15 PM | 0.29 | 216 | 363 | 4 |
| 7/23/2012 12:57:15 PM | 0.28 | 217 | 366 | 4 |
| 7/23/2012 12:58:15 PM | 0.29 | 218 | 371 | 4 |
| 7/23/2012 12:59:15 PM | 0.28 | 219 | 373 | 4 |
| 7/23/2012 1:00:15 PM | 0.29 | 220 | 375 | 4 |
| 7/23/2012 1:01:15 PM | 0.28 | 221 | 377 | 4 |
| 7/23/2012 1:02:15 PM | 0.28 | 221 | 377 | 5 |
| 7/23/2012 1:03:15 PM | 0.29 | 219 | 375 | 5 |
| 7/23/2012 1:04:15 PM | 0.29 | 217 | 377 | 5 |
| 7/23/2012 1:05:15 PM | 0.29 | 217 | 378 | 5 |
| 7/23/2012 1:06:15 PM | 0.29 | 216 | 377 | 5 |
| 7/23/2012 1:07:15 PM | 0.29 | 216 | 376 | 5 |
| 7/23/2012 1:08:15 PM | 0.29 | 216 | 375 | 5 |
| 7/23/2012 1:09:15 PM | 0.28 | 215 | 373 | 5 |
| 7/23/2012 1:10:15 PM | 0.29 | 215 | 372 | 5 |
| 7/23/2012 1:11:15 PM | 0.29 | 216 | 373 | 5 |
| 7/23/2012 1:12:15 PM | 0.28 | 217 | 372 | 5 |
| 7/23/2012 1:13:15 PM | 0.29 | 218 | 372 | 5 |
| 7/23/2012 1:14:15 PM | 0.29 | 218 | 369 | 6 |
| 7/23/2012 1:15:15 PM | 0.28 | 217 | 371 | 6 |
| 7/23/2012 1:16:15 PM | 0.29 | 217 | 371 | 6 |
| 7/23/2012 1:17:15 PM | 0.28 | 217 | 369 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 1:18:15 PM | 0.28 | 217 | 372 | 5 |
| 7/23/2012 1:19:15 PM | 0.29 | 216 | 373 | 5 |
| 7/23/2012 1:20:15 PM | 0.29 | 216 | 373 | 5 |
| 7/23/2012 1:21:15 PM | 0.29 | 215 | 370 | 5 |
| 7/23/2012 1:22:15 PM | 0.29 | 216 | 371 | 5 |
| 7/23/2012 1:23:15 PM | 0.29 | 215 | 373 | 5 |
| 7/23/2012 1:24:15 PM | 0.29 | 213 | 369 | 5 |
| 7/23/2012 1:25:15 PM | 0.29 | 213 | 368 | 5 |
| 7/23/2012 1:26:15 PM | 0.29 | 214 | 369 | 5 |
| 7/23/2012 1:27:15 PM | 0.28 | 216 | 371 | 5 |
| 7/23/2012 1:28:15 PM | 0.28 | 218 | 369 | 5 |
| 7/23/2012 1:29:15 PM | 0.28 | 219 | 371 | 5 |
| 7/23/2012 1:30:15 PM | 0.29 | 219 | 373 | 5 |
| 7/23/2012 1:31:15 PM | 0.28 | 217 | 375 | 5 |
| 7/23/2012 1:32:15 PM | 0.29 | 217 | 375 | 5 |
| 7/23/2012 1:33:15 PM | 0.28 | 217 | 375 | 5 |
| 7/23/2012 1:34:15 PM | 0.29 | 217 | 373 | 5 |
| 7/23/2012 1:35:15 PM | 0.29 | 216 | 372 | 5 |
| 7/23/2012 1:36:15 PM | 0.29 | 216 | 370 | 5 |
| 7/23/2012 1:37:15 PM | 0.29 | 216 | 368 | 5 |
| 7/23/2012 1:38:15 PM | 0.29 | 216 | 368 | 5 |
| 7/23/2012 1:39:15 PM | 0.29 | 216 | 367 | 5 |
| 7/23/2012 1:40:15 PM | 0.29 | 216 | 369 | 5 |
| 7/23/2012 1:41:15 PM | 0.29 | 216 | 366 | 5 |
| 7/23/2012 1:42:15 PM | 0.29 | 217 | 366 | 5 |
| 7/23/2012 1:43:15 PM | 0.29 | 217 | 367 | 5 |
| 7/23/2012 1:44:15 PM | 0.29 | 216 | 366 | 5 |
| 7/23/2012 1:45:15 PM | 0.28 | 214 | 365 | 5 |
| 7/23/2012 1:46:15 PM | 0.29 | 214 | 366 | 5 |
| 7/23/2012 1:47:15 PM | 0.29 | 215 | 367 | 5 |
| 7/23/2012 1:48:15 PM | 0.29 | 214 | 368 | 5 |
| 7/23/2012 1:49:15 PM | 0.29 | 214 | 367 | 5 |
| 7/23/2012 1:50:15 PM | 0.29 | 216 | 366 | 5 |
| 7/23/2012 1:51:15 PM | 0.29 | 218 | 368 | 5 |
| 7/23/2012 1:52:15 PM | 0.29 | 218 | 366 | 5 |
| 7/23/2012 1:53:15 PM | 0.29 | 219 | 367 | 5 |
| 7/23/2012 1:54:15 PM | 0.28 | 219 | 370 | 5 |
| 7/23/2012 1:55:15 PM | 0.29 | 220 | 370 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 1:56:15 PM | 0.29 | 220 | 370 | 5 |
| 7/23/2012 1:57:15 PM | 0.29 | 219 | 370 | 5 |
| 7/23/2012 1:58:15 PM | 0.29 | 217 | 366 | 5 |
| 7/23/2012 1:59:15 PM | 0.29 | 216 | 367 | 6 |
| 7/23/2012 2:00:15 PM | 0.28 | 216 | 371 | 6 |
| 7/23/2012 2:01:15 PM | 0.29 | 214 | 369 | 6 |
| 7/23/2012 2:02:15 PM | 0.29 | 215 | 372 | 5 |
| 7/23/2012 2:03:15 PM | 0.29 | 215 | 371 | 5 |
| 7/23/2012 2:04:15 PM | 0.29 | 213 | 372 | 5 |
| 7/23/2012 2:05:15 PM | 0.29 | 213 | 372 | 6 |
| 7/23/2012 2:06:15 PM | 0.30 | 213 | 370 | 6 |
| 7/23/2012 2:07:15 PM | 0.29 | 212 | 368 | 6 |
| 7/23/2012 2:08:15 PM | 0.29 | 212 | 371 | 6 |
| 7/23/2012 2:09:15 PM | 0.29 | 212 | 367 | 6 |
| 7/23/2012 2:10:15 PM | 0.29 | 212 | 366 | 6 |
| 7/23/2012 2:11:15 PM | 0.29 | 211 | 366 | 5 |
| 7/23/2012 2:12:15 PM | 0.29 | 210 | 368 | 5 |
| 7/23/2012 2:13:15 PM | 0.30 | 211 | 369 | 5 |
| 7/23/2012 2:14:15 PM | 0.29 | 210 | 368 | 5 |
| 7/23/2012 2:15:15 PM | 0.29 | 211 | 367 | 5 |
| 7/23/2012 2:16:15 PM | 0.29 | 212 | 368 | 5 |
| 7/23/2012 2:17:15 PM | 0.29 | 211 | 368 | 6 |
| 7/23/2012 2:18:15 PM | 0.29 | 213 | 369 | 6 |
| 7/23/2012 2:19:15 PM | 0.29 | 215 | 370 | 6 |
| 7/23/2012 2:20:15 PM | 0.29 | 214 | 371 | 6 |
| 7/23/2012 2:21:15 PM | 0.29 | 213 | 367 | 5 |
| 7/23/2012 2:22:15 PM | 0.29 | 215 | 369 | 5 |
| 7/23/2012 2:23:15 PM | 0.29 | 216 | 369 | 6 |
| 7/23/2012 2:24:15 PM | 0.29 | 215 | 372 | 6 |
| 7/23/2012 2:25:15 PM | 0.29 | 215 | 370 | 6 |
| 7/23/2012 2:26:15 PM | 0.29 | 214 | 369 | 6 |
| 7/23/2012 2:27:15 PM | 0.30 | 215 | 372 | 6 |
| 7/23/2012 2:28:15 PM | 0.29 | 215 | 371 | 6 |
| 7/23/2012 2:29:15 PM | 0.29 | 214 | 371 | 6 |
| 7/23/2012 2:30:15 PM | 0.29 | 213 | 372 | 6 |
| 7/23/2012 2:31:15 PM | 0.29 | 213 | 369 | 6 |
| 7/23/2012 2:32:15 PM | 0.29 | 214 | 372 | 6 |
| 7/23/2012 2:33:15 PM | 0.29 | 214 | 372 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 2:34:15 PM | 0.29 | 214 | 370 | 5 |
| 7/23/2012 2:35:15 PM | 0.29 | 215 | 372 | 5 |
| 7/23/2012 2:36:15 PM | 0.29 | 214 | 372 | 5 |
| 7/23/2012 2:37:15 PM | 0.29 | 213 | 372 | 5 |
| 7/23/2012 2:38:15 PM | 0.29 | 213 | 371 | 5 |
| 7/23/2012 2:39:15 PM | 0.29 | 213 | 369 | 5 |
| 7/23/2012 2:40:15 PM | 0.29 | 214 | 367 | 5 |
| 7/23/2012 2:41:15 PM | 0.29 | 214 | 368 | 6 |
| 7/23/2012 2:42:15 PM | 0.30 | 214 | 371 | 6 |
| 7/23/2012 2:43:15 PM | 0.29 | 214 | 371 | 6 |
| 7/23/2012 2:44:15 PM | 0.29 | 215 | 373 | 6 |
| 7/23/2012 2:45:15 PM | 0.29 | 217 | 375 | 6 |
| 7/23/2012 2:46:15 PM | 0.29 | 217 | 377 | 6 |
| 7/23/2012 2:47:15 PM | 0.29 | 217 | 378 | 6 |
| 7/23/2012 2:48:15 PM | 0.29 | 217 | 380 | 5 |
| 7/23/2012 2:49:15 PM | 0.29 | 216 | 380 | 5 |
| 7/23/2012 2:50:15 PM | 0.29 | 215 | 380 | 5 |
| 7/23/2012 2:51:15 PM | 0.29 | 216 | 383 | 5 |
| 7/23/2012 2:52:15 PM | 0.29 | 218 | 383 | 5 |
| 7/23/2012 2:53:15 PM | 0.29 | 216 | 384 | 6 |
| 7/23/2012 2:54:15 PM | 0.29 | 215 | 386 | 6 |
| 7/23/2012 2:55:15 PM | 0.29 | 214 | 385 | 6 |
| 7/23/2012 2:56:15 PM | 0.29 | 214 | 387 | 6 |
| 7/23/2012 2:57:15 PM | 0.29 | 214 | 386 | 5 |
| 7/23/2012 2:58:15 PM | 0.29 | 214 | 387 | 5 |
| 7/23/2012 2:59:15 PM | 0.29 | 213 | 387 | 6 |
| 7/23/2012 3:00:15 PM | 0.29 | 212 | 384 | 6 |
| 7/23/2012 3:01:15 PM | 0.29 | 212 | 386 | 6 |
| 7/23/2012 3:02:15 PM | 0.29 | 213 | 390 | 6 |
| 7/23/2012 3:03:15 PM | 0.29 | 212 | 389 | 6 |
| 7/23/2012 3:04:15 PM | 0.30 | 211 | 387 | 6 |
| 7/23/2012 3:05:15 PM | 0.30 | 210 | 389 | 6 |
| 7/23/2012 3:06:15 PM | 0.30 | 211 | 387 | 6 |
| 7/23/2012 3:07:15 PM | 0.29 | 210 | 390 | 6 |
| 7/23/2012 3:08:15 PM | 0.30 | 211 | 392 | 6 |
| 7/23/2012 3:09:15 PM | 0.29 | 211 | 391 | 6 |
| 7/23/2012 3:10:15 PM | 0.30 | 212 | 394 | 6 |
| 7/23/2012 3:11:15 PM | 0.29 | 212 | 395 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 3:12:15 PM | 0.29 | 212 | 395 | 6 |
| 7/23/2012 3:13:15 PM | 0.29 | 213 | 400 | 6 |
| 7/23/2012 3:14:15 PM | 0.29 | 213 | 402 | 6 |
| 7/23/2012 3:15:15 PM | 0.29 | 213 | 402 | 6 |
| 7/23/2012 3:16:15 PM | 0.29 | 213 | 401 | 6 |
| 7/23/2012 3:17:15 PM | 0.29 | 213 | 399 | 6 |
| 7/23/2012 3:18:15 PM | 0.29 | 214 | 397 | 6 |
| 7/23/2012 3:19:15 PM | 0.29 | 215 | 398 | 6 |
| 7/23/2012 3:20:15 PM | 0.28 | 215 | 400 | 6 |
| 7/23/2012 3:21:15 PM | 0.29 | 216 | 399 | 6 |
| 7/23/2012 3:22:15 PM | 0.28 | 215 | 399 | 6 |
| 7/23/2012 3:23:15 PM | 0.29 | 215 | 397 | 6 |
| 7/23/2012 3:24:15 PM | 0.29 | 214 | 399 | 6 |
| 7/23/2012 3:25:15 PM | 0.29 | 213 | 398 | 6 |
| 7/23/2012 3:26:15 PM | 0.29 | 212 | 398 | 6 |
| 7/23/2012 3:27:15 PM | 0.29 | 212 | 398 | 6 |
| 7/23/2012 3:28:15 PM | 0.29 | 213 | 398 | 6 |
| 7/23/2012 3:29:15 PM | 0.29 | 213 | 397 | 6 |
| 7/23/2012 3:30:15 PM | 0.29 | 212 | 398 | 6 |
| 7/23/2012 3:31:15 PM | 0.29 | 212 | 400 | 6 |
| 7/23/2012 3:32:15 PM | 0.29 | 212 | 399 | 6 |
| 7/23/2012 3:33:15 PM | 0.29 | 214 | 402 | 6 |
| 7/23/2012 3:34:15 PM | 0.29 | 214 | 402 | 6 |
| 7/23/2012 3:35:15 PM | 0.29 | 213 | 399 | 7 |
| 7/23/2012 3:36:15 PM | 0.29 | 212 | 397 | 7 |
| 7/23/2012 3:37:15 PM | 0.29 | 212 | 394 | 7 |
| 7/23/2012 3:38:15 PM | 0.29 | 213 | 396 | 7 |
| 7/23/2012 3:39:15 PM | 0.29 | 214 | 395 | 6 |
| 7/23/2012 3:40:15 PM | 0.29 | 214 | 394 | 6 |
| 7/23/2012 3:41:15 PM | 0.29 | 215 | 397 | 6 |
| 7/23/2012 3:42:15 PM | 0.29 | 213 | 394 | 6 |
| 7/23/2012 3:43:15 PM | 0.29 | 215 | 393 | 6 |
| 7/23/2012 3:44:15 PM | 0.29 | 214 | 397 | 6 |
| 7/23/2012 3:45:15 PM | 0.29 | 213 | 398 | 6 |
| 7/23/2012 3:46:15 PM | 0.29 | 213 | 399 | 6 |
| 7/23/2012 3:47:15 PM | 0.29 | 214 | 402 | 7 |
| 7/23/2012 3:48:15 PM | 0.29 | 213 | 402 | 7 |
| 7/23/2012 3:49:15 PM | 0.29 | 214 | 402 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 3:50:15 PM | 0.29 | 216 | 406 | 7 |
| 7/23/2012 3:51:15 PM | 0.29 | 218 | 407 | 6 |
| 7/23/2012 3:52:15 PM | 0.29 | 218 | 409 | 6 |
| 7/23/2012 3:53:15 PM | 0.29 | 217 | 412 | 6 |
| 7/23/2012 3:54:15 PM | 0.29 | 215 | 411 | 6 |
| 7/23/2012 3:55:15 PM | 0.29 | 215 | 410 | 6 |
| 7/23/2012 3:56:15 PM | 0.29 | 215 | 411 | 6 |
| 7/23/2012 3:57:15 PM | 0.29 | 216 | 412 | 6 |
| 7/23/2012 3:58:15 PM | 0.29 | 216 | 412 | 6 |
| 7/23/2012 3:59:15 PM | 0.29 | 217 | 408 | 7 |
| 7/23/2012 4:00:15 PM | 0.29 | 217 | 408 | 7 |
| 7/23/2012 4:01:15 PM | 0.29 | 216 | 408 | 7 |
| 7/23/2012 4:02:15 PM | 0.29 | 216 | 406 | 7 |
| 7/23/2012 4:03:15 PM | 0.29 | 216 | 408 | 6 |
| 7/23/2012 4:04:15 PM | 0.29 | 217 | 409 | 6 |
| 7/23/2012 4:05:15 PM | 0.29 | 217 | 409 | 6 |
| 7/23/2012 4:06:15 PM | 0.29 | 215 | 409 | 6 |
| 7/23/2012 4:07:15 PM | 0.29 | 215 | 410 | 6 |
| 7/23/2012 4:08:15 PM | 0.29 | 215 | 410 | 6 |
| 7/23/2012 4:09:15 PM | 0.29 | 215 | 408 | 6 |
| 7/23/2012 4:10:15 PM | 0.29 | 215 | 407 | 6 |
| 7/23/2012 4:11:15 PM | 0.29 | 215 | 407 | 7 |
| 7/23/2012 4:12:15 PM | 0.29 | 215 | 408 | 7 |
| 7/23/2012 4:13:15 PM | 0.29 | 214 | 409 | 7 |
| 7/23/2012 4:14:15 PM | 0.29 | 213 | 408 | 7 |
| 7/23/2012 4:15:15 PM | 0.29 | 212 | 408 | 7 |
| 7/23/2012 4:16:15 PM | 0.29 | 212 | 408 | 7 |
| 7/23/2012 4:17:15 PM | 0.29 | 212 | 405 | 7 |
| 7/23/2012 4:18:15 PM | 0.29 | 212 | 404 | 7 |
| 7/23/2012 4:19:15 PM | 0.29 | 214 | 405 | 7 |
| 7/23/2012 4:20:15 PM | 0.29 | 214 | 404 | 7 |
| 7/23/2012 4:21:15 PM | 0.29 | 213 | 404 | 7 |
| 7/23/2012 4:22:15 PM | 0.29 | 212 | 405 | 7 |
| 7/23/2012 4:23:15 PM | 0.29 | 212 | 406 | 7 |
| 7/23/2012 4:24:15 PM | 0.29 | 214 | 409 | 6 |
| 7/23/2012 4:25:15 PM | 0.29 | 213 | 409 | 6 |
| 7/23/2012 4:26:15 PM | 0.29 | 213 | 410 | 7 |
| 7/23/2012 4:27:15 PM | 0.29 | 214 | 408 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 4:28:15 PM | 0.29 | 213 | 407 | 7 |
| 7/23/2012 4:29:15 PM | 0.29 | 212 | 407 | 7 |
| 7/23/2012 4:30:15 PM | 0.29 | 212 | 406 | 8 |
| 7/23/2012 4:31:15 PM | 0.29 | 213 | 406 | 8 |
| 7/23/2012 4:32:15 PM | 0.29 | 212 | 404 | 7 |
| 7/23/2012 4:33:15 PM | 0.29 | 212 | 405 | 7 |
| 7/23/2012 4:34:15 PM | 0.29 | 211 | 407 | 7 |
| 7/23/2012 4:35:15 PM | 0.29 | 212 | 407 | 7 |
| 7/23/2012 4:36:15 PM | 0.29 | 212 | 409 | 8 |
| 7/23/2012 4:37:15 PM | 0.29 | 213 | 411 | 8 |
| 7/23/2012 4:38:15 PM | 0.29 | 212 | 407 | 8 |
| 7/23/2012 4:39:15 PM | 0.29 | 212 | 405 | 8 |
| 7/23/2012 4:40:15 PM | 0.30 | 213 | 402 | 7 |
| 7/23/2012 4:41:15 PM | 0.29 | 213 | 402 | 7 |
| 7/23/2012 4:42:15 PM | 0.29 | 213 | 401 | 7 |
| 7/23/2012 4:43:15 PM | 0.29 | 214 | 401 | 7 |
| 7/23/2012 4:44:15 PM | 0.29 | 213 | 403 | 8 |
| 7/23/2012 4:45:15 PM | 0.29 | 214 | 402 | 9 |
| 7/23/2012 4:46:15 PM | 0.29 | 213 | 402 | 9 |
| 7/23/2012 4:47:15 PM | 0.29 | 213 | 401 | 8 |
| 7/23/2012 4:48:15 PM | 0.29 | 213 | 399 | 8 |
| 7/23/2012 4:49:15 PM | 0.29 | 213 | 400 | 8 |
| 7/23/2012 4:50:15 PM | 0.29 | 213 | 402 | 8 |
| 7/23/2012 4:51:15 PM | 0.29 | 213 | 403 | 8 |
| 7/23/2012 4:52:15 PM | 0.29 | 213 | 401 | 8 |
| 7/23/2012 4:53:15 PM | 0.29 | 213 | 404 | 8 |
| 7/23/2012 4:54:15 PM | 0.29 | 214 | 405 | 8 |
| 7/23/2012 4:55:15 PM | 0.29 | 213 | 403 | 8 |
| 7/23/2012 4:56:15 PM | 0.29 | 211 | 405 | 8 |
| 7/23/2012 4:57:15 PM | 0.29 | 212 | 404 | 9 |
| 7/23/2012 4:58:15 PM | 0.29 | 212 | 406 | 9 |
| 7/23/2012 4:59:15 PM | 0.29 | 213 | 403 | 8 |
| 7/23/2012 5:00:15 PM | 0.29 | 212 | 403 | 8 |
| 7/23/2012 5:01:15 PM | 0.29 | 213 | 405 | 8 |
| 7/23/2012 5:02:15 PM | 0.29 | 211 | 401 | 8 |
| 7/23/2012 5:03:15 PM | 0.29 | 211 | 398 | 8 |
| 7/23/2012 5:04:15 PM | 0.30 | 212 | 399 | 8 |
| 7/23/2012 5:05:15 PM | 0.29 | 212 | 399 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 5:06:15 PM | 0.29 | 212 | 398 | 8 |
| 7/23/2012 5:07:15 PM | 0.29 | 214 | 398 | 8 |
| 7/23/2012 5:08:15 PM | 0.29 | 214 | 399 | 8 |
| 7/23/2012 5:09:15 PM | 0.29 | 214 | 398 | 8 |
| 7/23/2012 5:10:15 PM | 0.29 | 214 | 401 | 8 |
| 7/23/2012 5:11:15 PM | 0.29 | 214 | 403 | 8 |
| 7/23/2012 5:12:15 PM | 0.29 | 215 | 405 | 8 |
| 7/23/2012 5:13:15 PM | 0.29 | 216 | 406 | 8 |
| 7/23/2012 5:14:15 PM | 0.28 | 215 | 402 | 8 |
| 7/23/2012 5:15:15 PM | 0.29 | 215 | 404 | 8 |
| 7/23/2012 5:16:15 PM | 0.29 | 216 | 404 | 8 |
| 7/23/2012 5:17:15 PM | 0.29 | 214 | 405 | 8 |
| 7/23/2012 5:18:15 PM | 0.29 | 213 | 404 | 8 |
| 7/23/2012 5:19:15 PM | 0.29 | 212 | 403 | 8 |
| 7/23/2012 5:20:15 PM | 0.29 | 211 | 402 | 8 |
| 7/23/2012 5:21:15 PM | 0.29 | 211 | 401 | 8 |
| 7/23/2012 5:22:15 PM | 0.29 | 211 | 402 | 8 |
| 7/23/2012 5:23:15 PM | 0.29 | 211 | 403 | 8 |
| 7/23/2012 5:24:15 PM | 0.29 | 211 | 402 | 8 |
| 7/23/2012 5:25:15 PM | 0.29 | 212 | 401 | 8 |
| 7/23/2012 5:26:15 PM | 0.29 | 212 | 398 | 8 |
| 7/23/2012 5:27:15 PM | 0.29 | 212 | 397 | 8 |
| 7/23/2012 5:28:15 PM | 0.29 | 212 | 395 | 8 |
| 7/23/2012 5:29:15 PM | 0.29 | 213 | 398 | 8 |
| 7/23/2012 5:30:15 PM | 0.29 | 212 | 396 | 8 |
| 7/23/2012 5:31:15 PM | 0.29 | 213 | 396 | 8 |
| 7/23/2012 5:32:15 PM | 0.29 | 213 | 396 | 8 |
| 7/23/2012 5:33:15 PM | 0.29 | 212 | 396 | 8 |
| 7/23/2012 5:34:15 PM | 0.28 | 211 | 395 | 8 |
| 7/23/2012 5:35:15 PM | 0.29 | 212 | 393 | 8 |
| 7/23/2012 5:36:15 PM | 0.28 | 214 | 396 | 8 |
| 7/23/2012 5:37:15 PM | 0.29 | 215 | 397 | 8 |
| 7/23/2012 5:38:15 PM | 0.29 | 214 | 395 | 8 |
| 7/23/2012 5:39:15 PM | 0.29 | 214 | 397 | 8 |
| 7/23/2012 5:40:15 PM | 0.29 | 214 | 395 | 8 |
| 7/23/2012 5:41:15 PM | 0.29 | 212 | 396 | 8 |
| 7/23/2012 5:42:15 PM | 0.29 | 212 | 394 | 8 |
| 7/23/2012 5:43:15 PM | 0.29 | 211 | 393 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 5:44:15 PM | 0.29 | 211 | 393 | 8 |
| 7/23/2012 5:45:15 PM | 0.29 | 210 | 392 | 8 |
| 7/23/2012 5:46:15 PM | 0.30 | 210 | 394 | 8 |
| 7/23/2012 5:47:15 PM | 0.30 | 209 | 391 | 8 |
| 7/23/2012 5:48:15 PM | 0.29 | 210 | 392 | 8 |
| 7/23/2012 5:49:15 PM | 0.29 | 211 | 389 | 8 |
| 7/23/2012 5:50:15 PM | 0.29 | 212 | 388 | 8 |
| 7/23/2012 5:51:15 PM | 0.30 | 213 | 390 | 8 |
| 7/23/2012 5:52:15 PM | 0.30 | 213 | 391 | 8 |
| 7/23/2012 5:53:15 PM | 0.29 | 212 | 387 | 8 |
| 7/23/2012 5:54:15 PM | 0.29 | 212 | 388 | 8 |
| 7/23/2012 5:55:15 PM | 0.29 | 212 | 387 | 8 |
| 7/23/2012 5:56:15 PM | 0.29 | 212 | 387 | 8 |
| 7/23/2012 5:57:15 PM | 0.29 | 211 | 386 | 8 |
| 7/23/2012 5:58:15 PM | 0.30 | 212 | 384 | 8 |
| 7/23/2012 5:59:15 PM | 0.29 | 211 | 386 | 8 |
| 7/23/2012 6:00:15 PM | 0.29 | 211 | 385 | 8 |
| 7/23/2012 6:01:15 PM | 0.29 | 212 | 386 | 8 |
| 7/23/2012 6:02:15 PM | 0.29 | 212 | 386 | 8 |
| 7/23/2012 6:03:15 PM | 0.29 | 210 | 383 | 8 |
| 7/23/2012 6:04:15 PM | 0.29 | 211 | 381 | 8 |
| 7/23/2012 6:05:15 PM | 0.29 | 210 | 382 | 8 |
| 7/23/2012 6:06:15 PM | 0.29 | 210 | 382 | 8 |
| 7/23/2012 6:07:15 PM | 0.29 | 212 | 382 | 8 |
| 7/23/2012 6:08:15 PM | 0.29 | 211 | 381 | 8 |
| 7/23/2012 6:09:15 PM | 0.29 | 210 | 380 | 8 |
| 7/23/2012 6:10:15 PM | 0.30 | 210 | 379 | 8 |
| 7/23/2012 6:11:15 PM | 0.30 | 210 | 377 | 8 |
| 7/23/2012 6:12:15 PM | 0.30 | 211 | 376 | 8 |
| 7/23/2012 6:13:15 PM | 0.29 | 210 | 375 | 8 |
| 7/23/2012 6:14:15 PM | 0.29 | 211 | 376 | 8 |
| 7/23/2012 6:15:15 PM | 0.30 | 212 | 377 | 8 |
| 7/23/2012 6:16:15 PM | 0.29 | 210 | 376 | 8 |
| 7/23/2012 6:17:15 PM | 0.29 | 210 | 374 | 8 |
| 7/23/2012 6:18:15 PM | 0.29 | 210 | 376 | 8 |
| 7/23/2012 6:19:15 PM | 0.29 | 209 | 377 | 8 |
| 7/23/2012 6:20:15 PM | 0.29 | 209 | 376 | 8 |
| 7/23/2012 6:21:15 PM | 0.30 | 210 | 376 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 6:22:15 PM | 0.29 | 211 | 376 | 8 |
| 7/23/2012 6:23:15 PM | 0.29 | 211 | 377 | 8 |
| 7/23/2012 6:24:15 PM | 0.29 | 211 | 375 | 8 |
| 7/23/2012 6:25:15 PM | 0.29 | 211 | 374 | 7 |
| 7/23/2012 6:26:15 PM | 0.29 | 212 | 377 | 8 |
| 7/23/2012 6:27:15 PM | 0.29 | 212 | 379 | 7 |
| 7/23/2012 6:28:15 PM | 0.29 | 212 | 376 | 8 |
| 7/23/2012 6:29:15 PM | 0.28 | 213 | 378 | 8 |
| 7/23/2012 6:30:15 PM | 0.29 | 214 | 382 | 8 |
| 7/23/2012 6:31:15 PM | 0.29 | 213 | 382 | 8 |
| 7/23/2012 6:32:15 PM | 0.29 | 214 | 380 | 8 |
| 7/23/2012 6:33:15 PM | 0.29 | 213 | 380 | 7 |
| 7/23/2012 6:34:15 PM | 0.29 | 213 | 378 | 8 |
| 7/23/2012 6:35:15 PM | 0.29 | 211 | 377 | 8 |
| 7/23/2012 6:36:15 PM | 0.29 | 211 | 379 | 7 |
| 7/23/2012 6:37:15 PM | 0.29 | 211 | 378 | 8 |
| 7/23/2012 6:38:15 PM | 0.29 | 211 | 379 | 8 |
| 7/23/2012 6:39:15 PM | 0.29 | 212 | 378 | 8 |
| 7/23/2012 6:40:15 PM | 0.29 | 211 | 376 | 8 |
| 7/23/2012 6:41:15 PM | 0.29 | 212 | 376 | 7 |
| 7/23/2012 6:42:15 PM | 0.29 | 211 | 381 | 7 |
| 7/23/2012 6:43:15 PM | 0.29 | 211 | 377 | 8 |
| 7/23/2012 6:44:15 PM | 0.29 | 211 | 378 | 8 |
| 7/23/2012 6:45:15 PM | 0.29 | 211 | 379 | 8 |
| 7/23/2012 6:46:15 PM | 0.29 | 211 | 380 | 8 |
| 7/23/2012 6:47:15 PM | 0.29 | 211 | 379 | 8 |
| 7/23/2012 6:48:15 PM | 0.30 | 211 | 380 | 8 |
| 7/23/2012 6:49:15 PM | 0.29 | 210 | 378 | 8 |
| 7/23/2012 6:50:15 PM | 0.29 | 208 | 376 | 8 |
| 7/23/2012 6:51:15 PM | 0.29 | 208 | 373 | 8 |
| 7/23/2012 6:52:15 PM | 0.29 | 208 | 372 | 8 |
| 7/23/2012 6:53:15 PM | 0.29 | 208 | 372 | 8 |
| 7/23/2012 6:54:15 PM | 0.29 | 208 | 371 | 8 |
| 7/23/2012 6:55:15 PM | 0.29 | 208 | 371 | 8 |
| 7/23/2012 6:56:15 PM | 0.30 | 208 | 372 | 7 |
| 7/23/2012 6:57:15 PM | 0.29 | 207 | 372 | 7 |
| 7/23/2012 6:58:15 PM | 0.29 | 207 | 373 | 7 |
| 7/23/2012 6:59:15 PM | 0.29 | 208 | 376 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 7:00:15 PM | 0.29 | 209 | 375 | 7 |
| 7/23/2012 7:01:15 PM | 0.29 | 209 | 373 | 8 |
| 7/23/2012 7:02:15 PM | 0.29 | 210 | 375 | 8 |
| 7/23/2012 7:03:15 PM | 0.29 | 211 | 376 | 8 |
| 7/23/2012 7:04:15 PM | 0.30 | 211 | 376 | 8 |
| 7/23/2012 7:05:15 PM | 0.29 | 211 | 375 | 8 |
| 7/23/2012 7:06:15 PM | 0.29 | 210 | 373 | 8 |
| 7/23/2012 7:07:15 PM | 0.29 | 211 | 373 | 8 |
| 7/23/2012 7:08:15 PM | 0.29 | 209 | 372 | 7 |
| 7/23/2012 7:09:15 PM | 0.29 | 209 | 372 | 7 |
| 7/23/2012 7:10:15 PM | 0.29 | 210 | 373 | 7 |
| 7/23/2012 7:11:15 PM | 0.29 | 210 | 372 | 7 |
| 7/23/2012 7:12:15 PM | 0.29 | 210 | 372 | 7 |
| 7/23/2012 7:13:15 PM | 0.29 | 210 | 373 | 7 |
| 7/23/2012 7:14:15 PM | 0.29 | 210 | 372 | 7 |
| 7/23/2012 7:15:15 PM | 0.29 | 209 | 373 | 8 |
| 7/23/2012 7:16:15 PM | 0.29 | 208 | 368 | 8 |
| 7/23/2012 7:17:15 PM | 0.29 | 208 | 370 | 7 |
| 7/23/2012 7:18:15 PM | 0.29 | 208 | 368 | 7 |
| 7/23/2012 7:19:15 PM | 0.29 | 209 | 367 | 7 |
| 7/23/2012 7:20:15 PM | 0.29 | 210 | 366 | 7 |
| 7/23/2012 7:21:15 PM | 0.29 | 210 | 367 | 8 |
| 7/23/2012 7:22:15 PM | 0.29 | 210 | 365 | 8 |
| 7/23/2012 7:23:15 PM | 0.29 | 210 | 366 | 7 |
| 7/23/2012 7:24:15 PM | 0.29 | 209 | 365 | 7 |
| 7/23/2012 7:25:15 PM | 0.29 | 209 | 365 | 7 |
| 7/23/2012 7:26:15 PM | 0.29 | 210 | 362 | 7 |
| 7/23/2012 7:27:15 PM | 0.29 | 210 | 361 | 8 |
| 7/23/2012 7:28:15 PM | 0.29 | 210 | 361 | 8 |
| 7/23/2012 7:29:15 PM | 0.28 | 209 | 364 | 8 |
| 7/23/2012 7:30:15 PM | 0.29 | 209 | 361 | 8 |
| 7/23/2012 7:31:15 PM | 0.29 | 209 | 360 | 8 |
| 7/23/2012 7:32:15 PM | 0.29 | 209 | 359 | 8 |
| 7/23/2012 7:33:15 PM | 0.29 | 210 | 360 | 8 |
| 7/23/2012 7:34:15 PM | 0.29 | 210 | 361 | 8 |
| 7/23/2012 7:35:15 PM | 0.29 | 209 | 361 | 7 |
| 7/23/2012 7:36:15 PM | 0.29 | 209 | 360 | 7 |
| 7/23/2012 7:37:15 PM | 0.29 | 209 | 363 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 7:38:15 PM | 0.29 | 209 | 361 | 7 |
| 7/23/2012 7:39:15 PM | 0.29 | 209 | 361 | 7 |
| 7/23/2012 7:40:15 PM | 0.29 | 209 | 362 | 7 |
| 7/23/2012 7:41:15 PM | 0.29 | 211 | 359 | 7 |
| 7/23/2012 7:42:15 PM | 0.29 | 210 | 360 | 7 |
| 7/23/2012 7:43:15 PM | 0.28 | 209 | 357 | 7 |
| 7/23/2012 7:44:15 PM | 0.29 | 209 | 358 | 7 |
| 7/23/2012 7:45:15 PM | 0.29 | 209 | 358 | 7 |
| 7/23/2012 7:46:15 PM | 0.29 | 208 | 356 | 7 |
| 7/23/2012 7:47:15 PM | 0.30 | 208 | 355 | 7 |
| 7/23/2012 7:48:15 PM | 0.29 | 208 | 354 | 7 |
| 7/23/2012 7:49:15 PM | 0.29 | 210 | 357 | 7 |
| 7/23/2012 7:50:15 PM | 0.29 | 209 | 357 | 7 |
| 7/23/2012 7:51:15 PM | 0.29 | 209 | 357 | 7 |
| 7/23/2012 7:52:15 PM | 0.29 | 209 | 357 | 7 |
| 7/23/2012 7:53:15 PM | 0.29 | 208 | 356 | 7 |
| 7/23/2012 7:54:15 PM | 0.29 | 209 | 358 | 6 |
| 7/23/2012 7:55:15 PM | 0.29 | 209 | 356 | 6 |
| 7/23/2012 7:56:15 PM | 0.29 | 209 | 356 | 7 |
| 7/23/2012 7:57:15 PM | 0.29 | 207 | 357 | 7 |
| 7/23/2012 7:58:15 PM | 0.29 | 207 | 356 | 7 |
| 7/23/2012 7:59:15 PM | 0.29 | 207 | 355 | 7 |
| 7/23/2012 8:00:15 PM | 0.29 | 208 | 356 | 6 |
| 7/23/2012 8:01:15 PM | 0.29 | 208 | 356 | 6 |
| 7/23/2012 8:02:15 PM | 0.29 | 208 | 355 | 7 |
| 7/23/2012 8:03:15 PM | 0.29 | 208 | 358 | 7 |
| 7/23/2012 8:04:15 PM | 0.29 | 209 | 357 | 7 |
| 7/23/2012 8:05:15 PM | 0.29 | 209 | 358 | 7 |
| 7/23/2012 8:06:15 PM | 0.29 | 209 | 359 | 7 |
| 7/23/2012 8:07:15 PM | 0.28 | 208 | 358 | 7 |
| 7/23/2012 8:08:15 PM | 0.29 | 207 | 356 | 7 |
| 7/23/2012 8:09:15 PM | 0.29 | 207 | 357 | 7 |
| 7/23/2012 8:10:15 PM | 0.29 | 207 | 358 | 7 |
| 7/23/2012 8:11:15 PM | 0.29 | 207 | 359 | 7 |
| 7/23/2012 8:12:15 PM | 0.29 | 206 | 357 | 6 |
| 7/23/2012 8:13:15 PM | 0.29 | 207 | 357 | 6 |
| 7/23/2012 8:14:15 PM | 0.29 | 208 | 359 | 6 |
| 7/23/2012 8:15:15 PM | 0.29 | 209 | 358 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 8:16:15 PM | 0.29 | 208 | 357 | 6 |
| 7/23/2012 8:17:15 PM | 0.29 | 208 | 359 | 7 |
| 7/23/2012 8:18:15 PM | 0.29 | 208 | 357 | 7 |
| 7/23/2012 8:19:15 PM | 0.29 | 208 | 357 | 7 |
| 7/23/2012 8:20:15 PM | 0.29 | 208 | 357 | 7 |
| 7/23/2012 8:21:15 PM | 0.29 | 208 | 358 | 7 |
| 7/23/2012 8:22:15 PM | 0.29 | 208 | 357 | 7 |
| 7/23/2012 8:23:15 PM | 0.29 | 208 | 357 | 7 |
| 7/23/2012 8:24:15 PM | 0.29 | 207 | 355 | 6 |
| 7/23/2012 8:25:15 PM | 0.29 | 206 | 356 | 6 |
| 7/23/2012 8:26:15 PM | 0.29 | 206 | 355 | 7 |
| 7/23/2012 8:27:15 PM | 0.30 | 206 | 353 | 7 |
| 7/23/2012 8:28:15 PM | 0.29 | 206 | 354 | 7 |
| 7/23/2012 8:29:15 PM | 0.29 | 206 | 356 | 7 |
| 7/23/2012 8:30:15 PM | 0.29 | 206 | 357 | 6 |
| 7/23/2012 8:31:15 PM | 0.29 | 207 | 355 | 6 |
| 7/23/2012 8:32:15 PM | 0.29 | 207 | 352 | 6 |
| 7/23/2012 8:33:15 PM | 0.29 | 207 | 356 | 6 |
| 7/23/2012 8:34:15 PM | 0.29 | 208 | 357 | 6 |
| 7/23/2012 8:35:15 PM | 0.29 | 208 | 356 | 6 |
| 7/23/2012 8:36:15 PM | 0.29 | 207 | 357 | 6 |
| 7/23/2012 8:37:15 PM | 0.29 | 207 | 356 | 6 |
| 7/23/2012 8:38:15 PM | 0.29 | 208 | 356 | 7 |
| 7/23/2012 8:39:15 PM | 0.29 | 208 | 356 | 7 |
| 7/23/2012 8:40:15 PM | 0.29 | 207 | 357 | 7 |
| 7/23/2012 8:41:15 PM | 0.29 | 207 | 356 | 7 |
| 7/23/2012 8:42:15 PM | 0.29 | 207 | 356 | 7 |
| 7/23/2012 8:43:15 PM | 0.28 | 209 | 356 | 7 |
| 7/23/2012 8:44:15 PM | 0.29 | 210 | 355 | 7 |
| 7/23/2012 8:45:15 PM | 0.29 | 210 | 355 | 7 |
| 7/23/2012 8:46:15 PM | 0.29 | 209 | 353 | 7 |
| 7/23/2012 8:47:15 PM | 0.29 | 210 | 355 | 7 |
| 7/23/2012 8:48:15 PM | 0.29 | 208 | 357 | 6 |
| 7/23/2012 8:49:15 PM | 0.30 | 209 | 356 | 6 |
| 7/23/2012 8:50:15 PM | 0.29 | 210 | 356 | 7 |
| 7/23/2012 8:51:15 PM | 0.29 | 210 | 358 | 7 |
| 7/23/2012 8:52:15 PM | 0.29 | 210 | 357 | 7 |
| 7/23/2012 8:53:15 PM | 0.29 | 210 | 357 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 8:54:15 PM | 0.29 | 210 | 357 | 6 |
| 7/23/2012 8:55:15 PM | 0.29 | 209 | 357 | 6 |
| 7/23/2012 8:56:15 PM | 0.29 | 210 | 358 | 6 |
| 7/23/2012 8:57:15 PM | 0.29 | 209 | 358 | 6 |
| 7/23/2012 8:58:15 PM | 0.29 | 209 | 356 | 6 |
| 7/23/2012 8:59:15 PM | 0.29 | 209 | 357 | 6 |
| 7/23/2012 9:00:15 PM | 0.29 | 209 | 357 | 6 |
| 7/23/2012 9:01:15 PM | 0.29 | 209 | 358 | 6 |
| 7/23/2012 9:02:15 PM | 0.29 | 208 | 356 | 7 |
| 7/23/2012 9:03:15 PM | 0.29 | 208 | 355 | 7 |
| 7/23/2012 9:04:15 PM | 0.29 | 208 | 355 | 7 |
| 7/23/2012 9:05:15 PM | 0.29 | 210 | 354 | 7 |
| 7/23/2012 9:06:15 PM | 0.29 | 210 | 355 | 6 |
| 7/23/2012 9:07:15 PM | 0.28 | 211 | 355 | 6 |
| 7/23/2012 9:08:15 PM | 0.29 | 211 | 354 | 6 |
| 7/23/2012 9:09:15 PM | 0.29 | 210 | 354 | 6 |
| 7/23/2012 9:10:15 PM | 0.29 | 211 | 353 | 6 |
| 7/23/2012 9:11:15 PM | 0.29 | 211 | 354 | 7 |
| 7/23/2012 9:12:15 PM | 0.29 | 210 | 356 | 7 |
| 7/23/2012 9:13:15 PM | 0.29 | 210 | 353 | 7 |
| 7/23/2012 9:14:15 PM | 0.29 | 209 | 353 | 7 |
| 7/23/2012 9:15:15 PM | 0.29 | 208 | 354 | 6 |
| 7/23/2012 9:16:15 PM | 0.29 | 208 | 352 | 6 |
| 7/23/2012 9:17:15 PM | 0.29 | 209 | 354 | 6 |
| 7/23/2012 9:18:15 PM | 0.29 | 209 | 355 | 6 |
| 7/23/2012 9:19:15 PM | 0.29 | 210 | 355 | 6 |
| 7/23/2012 9:20:15 PM | 0.29 | 210 | 356 | 6 |
| 7/23/2012 9:21:15 PM | 0.29 | 210 | 354 | 6 |
| 7/23/2012 9:22:15 PM | 0.29 | 209 | 354 | 6 |
| 7/23/2012 9:23:15 PM | 0.29 | 210 | 353 | 6 |
| 7/23/2012 9:24:15 PM | 0.29 | 209 | 353 | 6 |
| 7/23/2012 9:25:15 PM | 0.29 | 209 | 353 | 6 |
| 7/23/2012 9:26:15 PM | 0.29 | 209 | 352 | 6 |
| 7/23/2012 9:27:15 PM | 0.29 | 210 | 355 | 6 |
| 7/23/2012 9:28:15 PM | 0.29 | 210 | 355 | 6 |
| 7/23/2012 9:29:15 PM | 0.29 | 209 | 357 | 6 |
| 7/23/2012 9:30:15 PM | 0.29 | 210 | 356 | 6 |
| 7/23/2012 9:31:15 PM | 0.29 | 210 | 355 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 9:32:15 PM | 0.29 | 209 | 356 | 6 |
| 7/23/2012 9:33:15 PM | 0.29 | 210 | 357 | 6 |
| 7/23/2012 9:34:15 PM | 0.29 | 211 | 358 | 6 |
| 7/23/2012 9:35:15 PM | 0.29 | 212 | 358 | 6 |
| 7/23/2012 9:36:15 PM | 0.29 | 212 | 360 | 6 |
| 7/23/2012 9:37:15 PM | 0.29 | 213 | 362 | 6 |
| 7/23/2012 9:38:15 PM | 0.29 | 212 | 362 | 6 |
| 7/23/2012 9:39:15 PM | 0.28 | 212 | 363 | 6 |
| 7/23/2012 9:40:15 PM | 0.29 | 212 | 361 | 6 |
| 7/23/2012 9:41:15 PM | 0.28 | 211 | 361 | 6 |
| 7/23/2012 9:42:15 PM | 0.29 | 212 | 359 | 6 |
| 7/23/2012 9:43:15 PM | 0.29 | 211 | 360 | 6 |
| 7/23/2012 9:44:15 PM | 0.29 | 211 | 361 | 6 |
| 7/23/2012 9:45:15 PM | 0.29 | 210 | 359 | 6 |
| 7/23/2012 9:46:15 PM | 0.29 | 210 | 359 | 6 |
| 7/23/2012 9:47:15 PM | 0.29 | 210 | 360 | 6 |
| 7/23/2012 9:48:15 PM | 0.29 | 210 | 358 | 6 |
| 7/23/2012 9:49:15 PM | 0.29 | 210 | 358 | 6 |
| 7/23/2012 9:50:15 PM | 0.29 | 210 | 358 | 6 |
| 7/23/2012 9:51:15 PM | 0.29 | 210 | 358 | 6 |
| 7/23/2012 9:52:15 PM | 0.29 | 209 | 357 | 6 |
| 7/23/2012 9:53:15 PM | 0.29 | 209 | 358 | 6 |
| 7/23/2012 9:54:15 PM | 0.29 | 209 | 357 | 6 |
| 7/23/2012 9:55:15 PM | 0.29 | 211 | 357 | 6 |
| 7/23/2012 9:56:15 PM | 0.29 | 211 | 357 | 6 |
| 7/23/2012 9:57:15 PM | 0.29 | 210 | 356 | 6 |
| 7/23/2012 9:58:15 PM | 0.29 | 210 | 355 | 6 |
| 7/23/2012 9:59:15 PM | 0.29 | 210 | 357 | 6 |
| 7/23/2012 10:00:15 PM | 0.29 | 209 | 356 | 5 |
| 7/23/2012 10:01:15 PM | 0.29 | 210 | 355 | 5 |
| 7/23/2012 10:02:15 PM | 0.29 | 210 | 356 | 6 |
| 7/23/2012 10:03:15 PM | 0.29 | 210 | 358 | 6 |
| 7/23/2012 10:04:15 PM | 0.29 | 210 | 357 | 6 |
| 7/23/2012 10:05:15 PM | 0.29 | 211 | 356 | 6 |
| 7/23/2012 10:06:15 PM | 0.29 | 210 | 355 | 6 |
| 7/23/2012 10:07:15 PM | 0.28 | 211 | 357 | 6 |
| 7/23/2012 10:08:15 PM | 0.29 | 211 | 359 | 6 |
| 7/23/2012 10:09:15 PM | 0.29 | 211 | 360 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 10:10:15 PM | 0.29 | 211 | 358 | 6 |
| 7/23/2012 10:11:15 PM | 0.29 | 211 | 358 | 6 |
| 7/23/2012 10:12:15 PM | 0.28 | 210 | 357 | 5 |
| 7/23/2012 10:13:15 PM | 0.29 | 210 | 359 | 5 |
| 7/23/2012 10:14:15 PM | 0.29 | 210 | 362 | 6 |
| 7/23/2012 10:15:15 PM | 0.29 | 211 | 362 | 6 |
| 7/23/2012 10:16:15 PM | 0.29 | 211 | 362 | 6 |
| 7/23/2012 10:17:15 PM | 0.29 | 211 | 362 | 6 |
| 7/23/2012 10:18:15 PM | 0.29 | 211 | 362 | 6 |
| 7/23/2012 10:19:15 PM | 0.29 | 210 | 362 | 6 |
| 7/23/2012 10:20:15 PM | 0.29 | 209 | 359 | 6 |
| 7/23/2012 10:21:15 PM | 0.29 | 211 | 359 | 6 |
| 7/23/2012 10:22:15 PM | 0.29 | 211 | 362 | 6 |
| 7/23/2012 10:23:15 PM | 0.29 | 211 | 362 | 6 |
| 7/23/2012 10:24:15 PM | 0.29 | 211 | 363 | 5 |
| 7/23/2012 10:25:15 PM | 0.29 | 210 | 363 | 5 |
| 7/23/2012 10:26:15 PM | 0.29 | 209 | 358 | 6 |
| 7/23/2012 10:27:15 PM | 0.29 | 210 | 360 | 6 |
| 7/23/2012 10:28:15 PM | 0.29 | 210 | 361 | 6 |
| 7/23/2012 10:29:15 PM | 0.29 | 210 | 362 | 6 |
| 7/23/2012 10:30:15 PM | 0.29 | 210 | 362 | 6 |
| 7/23/2012 10:31:15 PM | 0.29 | 211 | 360 | 6 |
| 7/23/2012 10:32:15 PM | 0.29 | 211 | 358 | 6 |
| 7/23/2012 10:33:15 PM | 0.28 | 210 | 357 | 6 |
| 7/23/2012 10:34:15 PM | 0.29 | 210 | 358 | 6 |
| 7/23/2012 10:35:15 PM | 0.29 | 211 | 357 | 6 |
| 7/23/2012 10:36:15 PM | 0.29 | 211 | 357 | 6 |
| 7/23/2012 10:37:15 PM | 0.29 | 210 | 358 | 6 |
| 7/23/2012 10:38:15 PM | 0.29 | 211 | 358 | 6 |
| 7/23/2012 10:39:15 PM | 0.28 | 211 | 358 | 5 |
| 7/23/2012 10:40:15 PM | 0.29 | 212 | 358 | 5 |
| 7/23/2012 10:41:15 PM | 0.29 | 212 | 361 | 6 |
| 7/23/2012 10:42:15 PM | 0.29 | 212 | 363 | 6 |
| 7/23/2012 10:43:15 PM | 0.28 | 212 | 363 | 6 |
| 7/23/2012 10:44:15 PM | 0.29 | 212 | 362 | 6 |
| 7/23/2012 10:45:15 PM | 0.28 | 213 | 362 | 6 |
| 7/23/2012 10:46:15 PM | 0.29 | 213 | 360 | 6 |
| 7/23/2012 10:47:15 PM | 0.29 | 213 | 360 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 10:48:15 PM | 0.29 | 213 | 359 | 6 |
| 7/23/2012 10:49:15 PM | 0.29 | 215 | 357 | 6 |
| 7/23/2012 10:50:15 PM | 0.29 | 215 | 358 | 6 |
| 7/23/2012 10:51:15 PM | 0.29 | 214 | 360 | 6 |
| 7/23/2012 10:52:15 PM | 0.29 | 214 | 359 | 6 |
| 7/23/2012 10:53:15 PM | 0.28 | 214 | 358 | 6 |
| 7/23/2012 10:54:15 PM | 0.29 | 215 | 360 | 6 |
| 7/23/2012 10:55:15 PM | 0.28 | 214 | 359 | 6 |
| 7/23/2012 10:56:15 PM | 0.28 | 214 | 359 | 6 |
| 7/23/2012 10:57:15 PM | 0.29 | 214 | 360 | 5 |
| 7/23/2012 10:58:15 PM | 0.28 | 213 | 362 | 5 |
| 7/23/2012 10:59:15 PM | 0.29 | 212 | 360 | 6 |
| 7/23/2012 11:00:15 PM | 0.29 | 212 | 357 | 6 |
| 7/23/2012 11:01:15 PM | 0.28 | 213 | 358 | 6 |
| 7/23/2012 11:02:15 PM | 0.29 | 212 | 358 | 6 |
| 7/23/2012 11:03:15 PM | 0.29 | 213 | 357 | 6 |
| 7/23/2012 11:04:15 PM | 0.29 | 213 | 358 | 6 |
| 7/23/2012 11:05:15 PM | 0.29 | 212 | 356 | 6 |
| 7/23/2012 11:06:15 PM | 0.28 | 212 | 358 | 6 |
| 7/23/2012 11:07:15 PM | 0.29 | 212 | 357 | 6 |
| 7/23/2012 11:08:15 PM | 0.29 | 212 | 358 | 6 |
| 7/23/2012 11:09:15 PM | 0.29 | 212 | 356 | 6 |
| 7/23/2012 11:10:15 PM | 0.29 | 212 | 357 | 6 |
| 7/23/2012 11:11:15 PM | 0.29 | 212 | 357 | 6 |
| 7/23/2012 11:12:15 PM | 0.29 | 211 | 358 | 6 |
| 7/23/2012 11:13:15 PM | 0.29 | 211 | 356 | 6 |
| 7/23/2012 11:14:15 PM | 0.29 | 211 | 352 | 6 |
| 7/23/2012 11:15:15 PM | 0.29 | 212 | 355 | 5 |
| 7/23/2012 11:16:15 PM | 0.29 | 211 | 356 | 5 |
| 7/23/2012 11:17:15 PM | 0.29 | 212 | 355 | 5 |
| 7/23/2012 11:18:15 PM | 0.29 | 212 | 352 | 5 |
| 7/23/2012 11:19:15 PM | 0.29 | 211 | 353 | 5 |
| 7/23/2012 11:20:15 PM | 0.29 | 212 | 354 | 6 |
| 7/23/2012 11:21:15 PM | 0.29 | 211 | 356 | 6 |
| 7/23/2012 11:22:15 PM | 0.28 | 211 | 357 | 6 |
| 7/23/2012 11:23:15 PM | 0.29 | 212 | 358 | 6 |
| 7/23/2012 11:24:15 PM | 0.29 | 213 | 357 | 5 |
| 7/23/2012 11:25:15 PM | 0.29 | 212 | 356 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **23-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **23-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/23/2012 11:26:15 PM | 0.29 | 212 | 356 | 6 |
| 7/23/2012 11:27:15 PM | 0.29 | 213 | 356 | 6 |
| 7/23/2012 11:28:15 PM | 0.29 | 213 | 355 | 6 |
| 7/23/2012 11:29:15 PM | 0.29 | 213 | 356 | 6 |
| 7/23/2012 11:30:15 PM | 0.29 | 214 | 355 | 5 |
| 7/23/2012 11:31:15 PM | 0.29 | 213 | 355 | 5 |
| 7/23/2012 11:32:15 PM | 0.29 | 213 | 353 | 5 |
| 7/23/2012 11:33:15 PM | 0.29 | 214 | 359 | 5 |
| 7/23/2012 11:34:15 PM | 0.29 | 213 | 362 | 5 |
| 7/23/2012 11:35:15 PM | 0.29 | 214 | 363 | 5 |
| 7/23/2012 11:36:15 PM | 0.29 | 214 | 363 | 5 |
| 7/23/2012 11:37:15 PM | 0.29 | 213 | 363 | 5 |
| 7/23/2012 11:38:15 PM | 0.29 | 214 | 362 | 6 |
| 7/23/2012 11:39:15 PM | 0.29 | 214 | 361 | 6 |
| 7/23/2012 11:40:15 PM | 0.28 | 214 | 360 | 6 |
| 7/23/2012 11:41:15 PM | 0.28 | 214 | 361 | 6 |
| 7/23/2012 11:42:15 PM | 0.29 | 213 | 361 | 5 |
| 7/23/2012 11:43:15 PM | 0.29 | 213 | 361 | 5 |
| 7/23/2012 11:44:15 PM | 0.29 | 214 | 362 | 6 |
| 7/23/2012 11:45:15 PM | 0.28 | 213 | 362 | 6 |
| 7/23/2012 11:46:15 PM | 0.29 | 214 | 361 | 6 |
| 7/23/2012 11:47:15 PM | 0.28 | 214 | 362 | 6 |
| 7/23/2012 11:48:15 PM | 0.28 | 214 | 362 | 6 |
| 7/23/2012 11:49:15 PM | 0.29 | 213 | 362 | 6 |
| 7/23/2012 11:50:15 PM | 0.29 | 212 | 362 | 6 |
| 7/23/2012 11:51:15 PM | 0.28 | 212 | 362 | 6 |
| 7/23/2012 11:52:15 PM | 0.29 | 212 | 362 | 6 |
| 7/23/2012 11:53:15 PM | 0.29 | 212 | 358 | 6 |
| 7/23/2012 11:54:15 PM | 0.29 | 212 | 358 | 5 |
| 7/23/2012 11:55:15 PM | 0.29 | 212 | 361 | 5 |
| 7/23/2012 11:56:15 PM | 0.29 | 213 | 360 | 6 |
| 7/23/2012 11:57:15 PM | 0.29 | 212 | 360 | 6 |
| 7/23/2012 11:58:15 PM | 0.29 | 213 | 358 | 6 |
| 7/23/2012 11:59:15 PM | 0.29 | 212 | 358 | 6 |
| Averages | 0.29 | 214 | 351 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 0:00:15 AM | 0.29 | 213 | 357 | 6 |
| 7/24/2012 0:01:15 AM | 0.29 | 213 | 354 | 6 |
| 7/24/2012 0:02:15 AM | 0.29 | 212 | 355 | 6 |
| 7/24/2012 0:03:15 AM | 0.29 | 212 | 356 | 6 |
| 7/24/2012 0:04:15 AM | 0.28 | 213 | 357 | 6 |
| 7/24/2012 0:05:15 AM | 0.28 | 213 | 356 | 6 |
| 7/24/2012 0:06:15 AM | 0.29 | 214 | 357 | 5 |
| 7/24/2012 0:07:15 AM | 0.29 | 214 | 357 | 5 |
| 7/24/2012 0:08:15 AM | 0.28 | 214 | 357 | 5 |
| 7/24/2012 0:09:15 AM | 0.29 | 213 | 357 | 5 |
| 7/24/2012 0:10:15 AM | 0.28 | 214 | 357 | 5 |
| 7/24/2012 0:11:15 AM | 0.28 | 214 | 357 | 5 |
| 7/24/2012 0:12:15 AM | 0.29 | 214 | 360 | 5 |
| 7/24/2012 0:13:15 AM | 0.29 | 215 | 360 | 5 |
| 7/24/2012 0:14:15 AM | 0.28 | 215 | 362 | 5 |
| 7/24/2012 0:15:15 AM | 0.29 | 216 | 362 | 5 |
| 7/24/2012 0:16:15 AM | 0.28 | 217 | 361 | 5 |
| 7/24/2012 0:17:15 AM | 0.28 | 217 | 362 | 5 |
| 7/24/2012 0:18:15 AM | 0.28 | 217 | 364 | 5 |
| 7/24/2012 0:19:15 AM | 0.29 | 218 | 363 | 5 |
| 7/24/2012 0:20:15 AM | 0.29 | 217 | 365 | 6 |
| 7/24/2012 0:21:15 AM | 0.28 | 217 | 364 | 6 |
| 7/24/2012 0:22:15 AM | 0.28 | 216 | 362 | 6 |
| 7/24/2012 0:23:15 AM | 0.28 | 217 | 363 | 6 |
| 7/24/2012 0:24:15 AM | 0.28 | 216 | 363 | 6 |
| 7/24/2012 0:25:15 AM | 0.28 | 216 | 362 | 6 |
| 7/24/2012 0:26:15 AM | 0.28 | 216 | 362 | 6 |
| 7/24/2012 0:27:15 AM | 0.28 | 217 | 363 | 5 |
| 7/24/2012 0:28:15 AM | 0.28 | 217 | 362 | 5 |
| 7/24/2012 0:29:15 AM | 0.28 | 218 | 359 | 5 |
| 7/24/2012 0:30:15 AM | 0.28 | 219 | 358 | 5 |
| 7/24/2012 0:31:15 AM | 0.28 | 220 | 358 | 5 |
| 7/24/2012 0:32:15 AM | 0.28 | 221 | 357 | 6 |
| 7/24/2012 0:33:15 AM | 0.28 | 222 | 358 | 6 |
| 7/24/2012 0:34:15 AM | 0.28 | 222 | 360 | 6 |
| 7/24/2012 0:35:15 AM | 0.28 | 222 | 363 | 6 |
| 7/24/2012 0:36:15 AM | 0.28 | 222 | 365 | 5 |
| 7/24/2012 0:37:15 AM | 0.28 | 221 | 366 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 0:38:15 AM | 0.28 | 221 | 366 | 6 |
| 7/24/2012 0:39:15 AM | 0.29 | 219 | 364 | 6 |
| 7/24/2012 0:40:15 AM | 0.28 | 220 | 362 | 6 |
| 7/24/2012 0:41:15 AM | 0.28 | 218 | 364 | 6 |
| 7/24/2012 0:42:15 AM | 0.28 | 218 | 361 | 6 |
| 7/24/2012 0:43:15 AM | 0.28 | 217 | 362 | 6 |
| 7/24/2012 0:44:15 AM | 0.28 | 217 | 361 | 6 |
| 7/24/2012 0:45:15 AM | 0.28 | 216 | 367 | 6 |
| 7/24/2012 0:46:15 AM | 0.29 | 215 | 367 | 6 |
| 7/24/2012 0:47:15 AM | 0.29 | 215 | 369 | 6 |
| 7/24/2012 0:48:15 AM | 0.29 | 215 | 369 | 5 |
| 7/24/2012 0:49:15 AM | 0.29 | 215 | 371 | 5 |
| 7/24/2012 0:50:15 AM | 0.28 | 214 | 370 | 5 |
| 7/24/2012 0:51:15 AM | 0.29 | 214 | 368 | 5 |
| 7/24/2012 0:52:15 AM | 0.29 | 214 | 368 | 5 |
| 7/24/2012 0:53:15 AM | 0.28 | 215 | 372 | 5 |
| 7/24/2012 0:54:15 AM | 0.29 | 216 | 372 | 5 |
| 7/24/2012 0:55:15 AM | 0.28 | 216 | 371 | 5 |
| 7/24/2012 0:56:15 AM | 0.28 | 216 | 372 | 6 |
| 7/24/2012 0:57:15 AM | 0.28 | 216 | 373 | 6 |
| 7/24/2012 0:58:15 AM | 0.28 | 216 | 374 | 6 |
| 7/24/2012 0:59:15 AM | 0.29 | 216 | 374 | 6 |
| 7/24/2012 1:00:15 AM | 0.28 | 216 | 374 | 5 |
| 7/24/2012 1:01:15 AM | 0.28 | 216 | 373 | 5 |
| 7/24/2012 1:02:15 AM | 0.29 | 216 | 374 | 6 |
| 7/24/2012 1:03:15 AM | 0.29 | 216 | 372 | 6 |
| 7/24/2012 1:04:15 AM | 0.28 | 215 | 373 | 6 |
| 7/24/2012 1:05:15 AM | 0.29 | 215 | 372 | 6 |
| 7/24/2012 1:06:15 AM | 0.28 | 215 | 370 | 5 |
| 7/24/2012 1:07:15 AM | 0.29 | 215 | 371 | 5 |
| 7/24/2012 1:08:15 AM | 0.29 | 214 | 370 | 6 |
| 7/24/2012 1:09:15 AM | 0.28 | 213 | 369 | 6 |
| 7/24/2012 1:10:15 AM | 0.29 | 212 | 371 | 6 |
| 7/24/2012 1:11:15 AM | 0.29 | 210 | 368 | 6 |
| 7/24/2012 1:12:15 AM | 0.29 | 210 | 368 | 5 |
| 7/24/2012 1:13:15 AM | 0.29 | 209 | 367 | 5 |
| 7/24/2012 1:14:15 AM | 0.29 | 208 | 367 | 5 |
| 7/24/2012 1:15:15 AM | 0.29 | 208 | 366 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 1:16:15 AM | 0.29 | 207 | 365 | 5 |
| 7/24/2012 1:17:15 AM | 0.29 | 207 | 365 | 6 |
| 7/24/2012 1:18:15 AM | 0.29 | 206 | 365 | 6 |
| 7/24/2012 1:19:15 AM | 0.29 | 205 | 362 | 6 |
| 7/24/2012 1:20:15 AM | 0.29 | 205 | 363 | 6 |
| 7/24/2012 1:21:15 AM | 0.29 | 205 | 363 | 6 |
| 7/24/2012 1:22:15 AM | 0.29 | 205 | 363 | 6 |
| 7/24/2012 1:23:15 AM | 0.29 | 205 | 363 | 6 |
| 7/24/2012 1:24:15 AM | 0.29 | 206 | 363 | 6 |
| 7/24/2012 1:25:15 AM | 0.29 | 206 | 363 | 6 |
| 7/24/2012 1:26:15 AM | 0.29 | 206 | 363 | 6 |
| 7/24/2012 1:27:15 AM | 0.29 | 205 | 362 | 5 |
| 7/24/2012 1:28:15 AM | 0.29 | 205 | 363 | 5 |
| 7/24/2012 1:29:15 AM | 0.29 | 204 | 363 | 5 |
| 7/24/2012 1:30:15 AM | 0.29 | 205 | 363 | 5 |
| 7/24/2012 1:31:15 AM | 0.29 | 206 | 364 | 5 |
| 7/24/2012 1:32:15 AM | 0.29 | 207 | 367 | 5 |
| 7/24/2012 1:33:15 AM | 0.29 | 208 | 370 | 5 |
| 7/24/2012 1:34:15 AM | 0.29 | 208 | 371 | 5 |
| 7/24/2012 1:35:15 AM | 0.29 | 209 | 373 | 6 |
| 7/24/2012 1:36:15 AM | 0.29 | 208 | 373 | 6 |
| 7/24/2012 1:37:15 AM | 0.29 | 208 | 372 | 6 |
| 7/24/2012 1:38:15 AM | 0.29 | 208 | 371 | 6 |
| 7/24/2012 1:39:15 AM | 0.29 | 207 | 373 | 5 |
| 7/24/2012 1:40:15 AM | 0.29 | 206 | 371 | 5 |
| 7/24/2012 1:41:15 AM | 0.29 | 207 | 372 | 5 |
| 7/24/2012 1:42:15 AM | 0.29 | 205 | 371 | 5 |
| 7/24/2012 1:43:15 AM | 0.29 | 203 | 370 | 5 |
| 7/24/2012 1:44:15 AM | 0.29 | 200 | 369 | 6 |
| 7/24/2012 1:45:15 AM | 0.29 | 199 | 365 | 6 |
| 7/24/2012 1:46:15 AM | 0.30 | 200 | 364 | 6 |
| 7/24/2012 1:47:15 AM | 0.29 | 201 | 367 | 6 |
| 7/24/2012 1:48:15 AM | 0.29 | 202 | 368 | 6 |
| 7/24/2012 1:49:15 AM | 0.29 | 201 | 367 | 6 |
| 7/24/2012 1:50:15 AM | 0.30 | 199 | 366 | 6 |
| 7/24/2012 1:51:15 AM | 0.30 | 198 | 364 | 6 |
| 7/24/2012 1:52:15 AM | 0.30 | 199 | 365 | 6 |
| 7/24/2012 1:53:15 AM | 0.29 | 198 | 364 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 1:54:15 AM | 0.29 | 195 | 361 | 6 |
| 7/24/2012 1:55:15 AM | 0.30 | 195 | 357 | 6 |
| 7/24/2012 1:56:15 AM | 0.30 | 197 | 359 | 6 |
| 7/24/2012 1:57:15 AM | 0.30 | 199 | 356 | 6 |
| 7/24/2012 1:58:15 AM | 0.29 | 199 | 355 | 6 |
| 7/24/2012 1:59:15 AM | 0.29 | 200 | 361 | 6 |
| 7/24/2012 2:00:15 AM | 0.29 | 201 | 363 | 6 |
| 7/24/2012 2:01:15 AM | 0.29 | 203 | 363 | 6 |
| 7/24/2012 2:02:15 AM | 0.29 | 203 | 364 | 6 |
| 7/24/2012 2:03:15 AM | 0.29 | 204 | 367 | 6 |
| 7/24/2012 2:04:15 AM | 0.29 | 204 | 370 | 6 |
| 7/24/2012 2:05:15 AM | 0.29 | 204 | 368 | 6 |
| 7/24/2012 2:06:15 AM | 0.29 | 204 | 371 | 6 |
| 7/24/2012 2:07:15 AM | 0.29 | 205 | 370 | 6 |
| 7/24/2012 2:08:15 AM | 0.29 | 205 | 370 | 6 |
| 7/24/2012 2:09:15 AM | 0.29 | 206 | 372 | 6 |
| 7/24/2012 2:10:15 AM | 0.29 | 207 | 374 | 6 |
| 7/24/2012 2:11:15 AM | 0.28 | 208 | 373 | 6 |
| 7/24/2012 2:12:15 AM | 0.28 | 207 | 373 | 6 |
| 7/24/2012 2:13:15 AM | 0.29 | 207 | 371 | 6 |
| 7/24/2012 2:14:15 AM | 0.29 | 208 | 371 | 6 |
| 7/24/2012 2:15:15 AM | 0.29 | 208 | 373 | 5 |
| 7/24/2012 2:16:15 AM | 0.29 | 207 | 372 | 5 |
| 7/24/2012 2:17:15 AM | 0.29 | 207 | 373 | 6 |
| 7/24/2012 2:18:15 AM | 0.29 | 207 | 373 | 6 |
| 7/24/2012 2:19:15 AM | 0.29 | 206 | 373 | 6 |
| 7/24/2012 2:20:15 AM | 0.29 | 206 | 373 | 6 |
| 7/24/2012 2:21:15 AM | 0.29 | 205 | 371 | 6 |
| 7/24/2012 2:22:15 AM | 0.29 | 205 | 372 | 6 |
| 7/24/2012 2:23:15 AM | 0.29 | 205 | 372 | 6 |
| 7/24/2012 2:24:15 AM | 0.29 | 205 | 372 | 6 |
| 7/24/2012 2:25:15 AM | 0.29 | 205 | 370 | 6 |
| 7/24/2012 2:26:15 AM | 0.29 | 205 | 369 | 6 |
| 7/24/2012 2:27:15 AM | 0.29 | 206 | 370 | 6 |
| 7/24/2012 2:28:15 AM | 0.29 | 205 | 371 | 6 |
| 7/24/2012 2:29:15 AM | 0.29 | 205 | 372 | 6 |
| 7/24/2012 2:30:15 AM | 0.29 | 205 | 369 | 6 |
| 7/24/2012 2:31:15 AM | 0.29 | 204 | 369 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 2:32:15 AM | 0.29 | 204 | 371 | 6 |
| 7/24/2012 2:33:15 AM | 0.29 | 204 | 371 | 6 |
| 7/24/2012 2:34:15 AM | 0.29 | 204 | 368 | 6 |
| 7/24/2012 2:35:15 AM | 0.29 | 204 | 371 | 6 |
| 7/24/2012 2:36:15 AM | 0.29 | 205 | 371 | 6 |
| 7/24/2012 2:37:15 AM | 0.29 | 205 | 372 | 6 |
| 7/24/2012 2:38:15 AM | 0.29 | 205 | 373 | 6 |
| 7/24/2012 2:39:15 AM | 0.29 | 205 | 375 | 6 |
| 7/24/2012 2:40:15 AM | 0.29 | 206 | 374 | 6 |
| 7/24/2012 2:41:15 AM | 0.29 | 206 | 374 | 6 |
| 7/24/2012 2:42:15 AM | 0.29 | 205 | 373 | 6 |
| 7/24/2012 2:43:15 AM | 0.29 | 205 | 372 | 6 |
| 7/24/2012 2:44:15 AM | 0.29 | 205 | 373 | 6 |
| 7/24/2012 2:45:15 AM | 0.29 | 204 | 374 | 6 |
| 7/24/2012 2:46:15 AM | 0.29 | 204 | 373 | 6 |
| 7/24/2012 2:47:15 AM | 0.30 | 204 | 373 | 6 |
| 7/24/2012 2:48:15 AM | 0.29 | 203 | 373 | 6 |
| 7/24/2012 2:49:15 AM | 0.30 | 203 | 372 | 6 |
| 7/24/2012 2:50:15 AM | 0.30 | 203 | 368 | 6 |
| 7/24/2012 2:51:15 AM | 0.30 | 204 | 369 | 6 |
| 7/24/2012 2:52:15 AM | 0.30 | 204 | 369 | 6 |
| 7/24/2012 2:53:15 AM | 0.29 | 204 | 369 | 7 |
| 7/24/2012 2:54:15 AM | 0.29 | 206 | 372 | 7 |
| 7/24/2012 2:55:15 AM | 0.29 | 206 | 371 | 7 |
| 7/24/2012 2:56:15 AM | 0.29 | 205 | 370 | 7 |
| 7/24/2012 2:57:15 AM | 0.29 | 205 | 371 | 6 |
| 7/24/2012 2:58:15 AM | 0.29 | 207 | 372 | 6 |
| 7/24/2012 2:59:15 AM | 0.29 | 208 | 373 | 6 |
| 7/24/2012 3:00:15 AM | 0.29 | 209 | 372 | 6 |
| 7/24/2012 3:01:15 AM | 0.29 | 210 | 374 | 6 |
| 7/24/2012 3:02:15 AM | 0.29 | 209 | 380 | 7 |
| 7/24/2012 3:03:15 AM | 0.29 | 209 | 378 | 7 |
| 7/24/2012 3:04:15 AM | 0.29 | 210 | 377 | 7 |
| 7/24/2012 3:05:15 AM | 0.29 | 212 | 378 | 7 |
| 7/24/2012 3:06:15 AM | 0.29 | 211 | 378 | 6 |
| 7/24/2012 3:07:15 AM | 0.28 | 212 | 378 | 6 |
| 7/24/2012 3:08:15 AM | 0.28 | 213 | 380 | 6 |
| 7/24/2012 3:09:15 AM | 0.28 | 214 | 378 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 3:10:15 AM | 0.28 | 215 | 375 | 6 |
| 7/24/2012 3:11:15 AM | 0.29 | 215 | 373 | 6 |
| 7/24/2012 3:12:15 AM | 0.28 | 216 | 375 | 6 |
| 7/24/2012 3:13:15 AM | 0.28 | 216 | 373 | 6 |
| 7/24/2012 3:14:15 AM | 0.28 | 216 | 374 | 6 |
| 7/24/2012 3:15:15 AM | 0.28 | 217 | 375 | 6 |
| 7/24/2012 3:16:15 AM | 0.28 | 217 | 374 | 6 |
| 7/24/2012 3:17:15 AM | 0.28 | 214 | 371 | 6 |
| 7/24/2012 3:18:15 AM | 0.29 | 215 | 369 | 6 |
| 7/24/2012 3:19:15 AM | 0.29 | 215 | 367 | 6 |
| 7/24/2012 3:20:15 AM | 0.29 | 214 | 367 | 6 |
| 7/24/2012 3:21:15 AM | 0.29 | 213 | 368 | 6 |
| 7/24/2012 3:22:15 AM | 0.28 | 213 | 368 | 6 |
| 7/24/2012 3:23:15 AM | 0.29 | 211 | 368 | 6 |
| 7/24/2012 3:24:15 AM | 0.28 | 212 | 366 | 6 |
| 7/24/2012 3:25:15 AM | 0.28 | 212 | 367 | 6 |
| 7/24/2012 3:26:15 AM | 0.28 | 214 | 367 | 6 |
| 7/24/2012 3:27:15 AM | 0.28 | 215 | 368 | 6 |
| 7/24/2012 3:28:15 AM | 0.28 | 216 | 370 | 6 |
| 7/24/2012 3:29:15 AM | 0.28 | 217 | 373 | 6 |
| 7/24/2012 3:30:15 AM | 0.29 | 216 | 373 | 6 |
| 7/24/2012 3:31:15 AM | 0.28 | 216 | 374 | 6 |
| 7/24/2012 3:32:15 AM | 0.28 | 216 | 378 | 6 |
| 7/24/2012 3:33:15 AM | 0.28 | 216 | 378 | 6 |
| 7/24/2012 3:34:15 AM | 0.28 | 216 | 378 | 6 |
| 7/24/2012 3:35:15 AM | 0.28 | 216 | 380 | 6 |
| 7/24/2012 3:36:15 AM | 0.28 | 216 | 380 | 6 |
| 7/24/2012 3:37:15 AM | 0.28 | 216 | 376 | 6 |
| 7/24/2012 3:38:15 AM | 0.28 | 216 | 373 | 6 |
| 7/24/2012 3:39:15 AM | 0.28 | 216 | 372 | 6 |
| 7/24/2012 3:40:15 AM | 0.28 | 217 | 372 | 6 |
| 7/24/2012 3:41:15 AM | 0.28 | 216 | 373 | 6 |
| 7/24/2012 3:42:15 AM | 0.29 | 216 | 370 | 6 |
| 7/24/2012 3:43:15 AM | 0.29 | 215 | 368 | 6 |
| 7/24/2012 3:44:15 AM | 0.28 | 215 | 367 | 6 |
| 7/24/2012 3:45:15 AM | 0.28 | 216 | 368 | 6 |
| 7/24/2012 3:46:15 AM | 0.28 | 217 | 368 | 6 |
| 7/24/2012 3:47:15 AM | 0.28 | 217 | 371 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 3:48:15 AM | 0.28 | 218 | 373 | 6 |
| 7/24/2012 3:49:15 AM | 0.28 | 219 | 372 | 6 |
| 7/24/2012 3:50:15 AM | 0.28 | 219 | 372 | 6 |
| 7/24/2012 3:51:15 AM | 0.28 | 218 | 375 | 6 |
| 7/24/2012 3:52:15 AM | 0.28 | 218 | 374 | 6 |
| 7/24/2012 3:53:15 AM | 0.28 | 218 | 375 | 6 |
| 7/24/2012 3:54:15 AM | 0.28 | 218 | 374 | 6 |
| 7/24/2012 3:55:15 AM | 0.28 | 218 | 372 | 6 |
| 7/24/2012 3:56:15 AM | 0.28 | 217 | 374 | 6 |
| 7/24/2012 3:57:15 AM | 0.29 | 216 | 376 | 6 |
| 7/24/2012 3:58:15 AM | 0.29 | 215 | 374 | 6 |
| 7/24/2012 3:59:15 AM | 0.29 | 215 | 372 | 6 |
| 7/24/2012 4:00:15 AM | 0.29 | 215 | 372 | 5 |
| 7/24/2012 4:01:15 AM | 0.28 | 215 | 372 | 5 |
| 7/24/2012 4:02:15 AM | 0.28 | 216 | 369 | 6 |
| 7/24/2012 4:03:15 AM | 0.28 | 216 | 368 | 6 |
| 7/24/2012 4:04:15 AM | 0.28 | 216 | 368 | 6 |
| 7/24/2012 4:05:15 AM | 0.28 | 216 | 370 | 6 |
| 7/24/2012 4:06:15 AM | 0.28 | 216 | 372 | 5 |
| 7/24/2012 4:07:15 AM | 0.28 | 218 | 370 | 5 |
| 7/24/2012 4:08:15 AM | 0.28 | 219 | 373 | 6 |
| 7/24/2012 4:09:15 AM | 0.28 | 219 | 372 | 6 |
| 7/24/2012 4:10:15 AM | 0.28 | 220 | 373 | 6 |
| 7/24/2012 4:11:15 AM | 0.28 | 218 | 375 | 6 |
| 7/24/2012 4:12:15 AM | 0.28 | 219 | 374 | 6 |
| 7/24/2012 4:13:15 AM | 0.28 | 218 | 372 | 6 |
| 7/24/2012 4:14:15 AM | 0.28 | 218 | 370 | 6 |
| 7/24/2012 4:15:15 AM | 0.28 | 217 | 371 | 6 |
| 7/24/2012 4:16:15 AM | 0.28 | 216 | 371 | 6 |
| 7/24/2012 4:17:15 AM | 0.29 | 216 | 372 | 6 |
| 7/24/2012 4:18:15 AM | 0.28 | 216 | 372 | 5 |
| 7/24/2012 4:19:15 AM | 0.29 | 217 | 370 | 5 |
| 7/24/2012 4:20:15 AM | 0.28 | 218 | 368 | 5 |
| 7/24/2012 4:21:15 AM | 0.28 | 219 | 371 | 5 |
| 7/24/2012 4:22:15 AM | 0.28 | 219 | 372 | 5 |
| 7/24/2012 4:23:15 AM | 0.28 | 219 | 370 | 5 |
| 7/24/2012 4:24:15 AM | 0.28 | 219 | 372 | 5 |
| 7/24/2012 4:25:15 AM | 0.28 | 217 | 372 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 4:26:15 AM | 0.28 | 217 | 376 | 6 |
| 7/24/2012 4:27:15 AM | 0.28 | 217 | 373 | 6 |
| 7/24/2012 4:28:15 AM | 0.28 | 217 | 372 | 6 |
| 7/24/2012 4:29:15 AM | 0.28 | 216 | 372 | 5 |
| 7/24/2012 4:30:15 AM | 0.28 | 216 | 368 | 5 |
| 7/24/2012 4:31:15 AM | 0.28 | 217 | 367 | 5 |
| 7/24/2012 4:32:15 AM | 0.28 | 218 | 368 | 5 |
| 7/24/2012 4:33:15 AM | 0.28 | 218 | 368 | 5 |
| 7/24/2012 4:34:15 AM | 0.28 | 218 | 367 | 5 |
| 7/24/2012 4:35:15 AM | 0.28 | 218 | 366 | 5 |
| 7/24/2012 4:36:15 AM | 0.28 | 217 | 368 | 5 |
| 7/24/2012 4:37:15 AM | 0.28 | 217 | 368 | 5 |
| 7/24/2012 4:38:15 AM | 0.28 | 217 | 367 | 5 |
| 7/24/2012 4:39:15 AM | 0.28 | 218 | 367 | 5 |
| 7/24/2012 4:40:15 AM | 0.28 | 220 | 370 | 5 |
| 7/24/2012 4:41:15 AM | 0.28 | 222 | 370 | 5 |
| 7/24/2012 4:42:15 AM | 0.28 | 222 | 373 | 5 |
| 7/24/2012 4:43:15 AM | 0.28 | 222 | 373 | 5 |
| 7/24/2012 4:44:15 AM | 0.28 | 223 | 374 | 5 |
| 7/24/2012 4:45:15 AM | 0.28 | 224 | 377 | 5 |
| 7/24/2012 4:46:15 AM | 0.28 | 224 | 382 | 5 |
| 7/24/2012 4:47:15 AM | 0.28 | 224 | 383 | 5 |
| 7/24/2012 4:48:15 AM | 0.28 | 224 | 384 | 5 |
| 7/24/2012 4:49:15 AM | 0.28 | 224 | 386 | 5 |
| 7/24/2012 4:50:15 AM | 0.28 | 224 | 388 | 5 |
| 7/24/2012 4:51:15 AM | 0.27 | 224 | 389 | 5 |
| 7/24/2012 4:52:15 AM | 0.27 | 225 | 390 | 5 |
| 7/24/2012 4:53:15 AM | 0.28 | 226 | 386 | 5 |
| 7/24/2012 4:54:15 AM | 0.28 | 227 | 383 | 5 |
| 7/24/2012 4:55:15 AM | 0.28 | 226 | 383 | 5 |
| 7/24/2012 4:56:15 AM | 0.27 | 226 | 383 | 5 |
| 7/24/2012 4:57:15 AM | 0.27 | 226 | 382 | 5 |
| 7/24/2012 4:58:15 AM | 0.27 | 227 | 382 | 5 |
| 7/24/2012 4:59:15 AM | 0.28 | 226 | 381 | 6 |
| 7/24/2012 5:00:15 AM | 0.28 | 225 | 381 | 6 |
| 7/24/2012 5:01:15 AM | 0.27 | 225 | 378 | 6 |
| 7/24/2012 5:02:15 AM | 0.27 | 226 | 380 | 5 |
| 7/24/2012 5:03:15 AM | 0.28 | 226 | 382 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 5:04:15 AM | 0.28 | 226 | 381 | 5 |
| 7/24/2012 5:05:15 AM | 0.28 | 226 | 382 | 5 |
| 7/24/2012 5:06:15 AM | 0.28 | 226 | 383 | 5 |
| 7/24/2012 5:07:15 AM | 0.27 | 226 | 384 | 5 |
| 7/24/2012 5:08:15 AM | 0.28 | 225 | 385 | 5 |
| 7/24/2012 5:09:15 AM | 0.28 | 225 | 389 | 5 |
| 7/24/2012 5:10:15 AM | 0.28 | 224 | 388 | 5 |
| 7/24/2012 5:11:15 AM | 0.28 | 224 | 387 | 6 |
| 7/24/2012 5:12:15 AM | 0.28 | 224 | 391 | 6 |
| 7/24/2012 5:13:15 AM | 0.28 | 224 | 392 | 6 |
| 7/24/2012 5:14:15 AM | 0.28 | 223 | 393 | 5 |
| 7/24/2012 5:15:15 AM | 0.28 | 223 | 393 | 5 |
| 7/24/2012 5:16:15 AM | 0.28 | 223 | 390 | 5 |
| 7/24/2012 5:17:15 AM | 0.28 | 222 | 389 | 5 |
| 7/24/2012 5:18:15 AM | 0.28 | 222 | 387 | 5 |
| 7/24/2012 5:19:15 AM | 0.28 | 221 | 387 | 5 |
| 7/24/2012 5:20:15 AM | 0.28 | 220 | 385 | 5 |
| 7/24/2012 5:21:15 AM | 0.28 | 219 | 383 | 5 |
| 7/24/2012 5:22:15 AM | 0.28 | 217 | 382 | 5 |
| 7/24/2012 5:23:15 AM | 0.28 | 218 | 380 | 5 |
| 7/24/2012 5:24:15 AM | 0.28 | 217 | 379 | 5 |
| 7/24/2012 5:25:15 AM | 0.28 | 215 | 375 | 5 |
| 7/24/2012 5:26:15 AM | 0.28 | 214 | 376 | 5 |
| 7/24/2012 5:27:15 AM | 0.29 | 213 | 377 | 5 |
| 7/24/2012 5:28:15 AM | 0.28 | 212 | 375 | 5 |
| 7/24/2012 5:29:15 AM | 0.28 | 213 | 376 | 5 |
| 7/24/2012 5:30:15 AM | 0.28 | 212 | 376 | 5 |
| 7/24/2012 5:31:15 AM | 0.28 | 212 | 375 | 5 |
| 7/24/2012 5:32:15 AM | 0.29 | 212 | 375 | 6 |
| 7/24/2012 5:33:15 AM | 0.29 | 212 | 375 | 6 |
| 7/24/2012 5:34:15 AM | 0.28 | 212 | 374 | 6 |
| 7/24/2012 5:35:15 AM | 0.29 | 212 | 376 | 5 |
| 7/24/2012 5:36:15 AM | 0.29 | 212 | 377 | 5 |
| 7/24/2012 5:37:15 AM | 0.29 | 212 | 378 | 5 |
| 7/24/2012 5:38:15 AM | 0.28 | 212 | 379 | 5 |
| 7/24/2012 5:39:15 AM | 0.28 | 212 | 379 | 5 |
| 7/24/2012 5:40:15 AM | 0.28 | 212 | 381 | 5 |
| 7/24/2012 5:41:15 AM | 0.29 | 212 | 381 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 5:42:15 AM | 0.29 | 212 | 382 | 5 |
| 7/24/2012 5:43:15 AM | 0.29 | 211 | 382 | 5 |
| 7/24/2012 5:44:15 AM | 0.29 | 212 | 382 | 5 |
| 7/24/2012 5:45:15 AM | 0.29 | 212 | 382 | 5 |
| 7/24/2012 5:46:15 AM | 0.29 | 212 | 382 | 5 |
| 7/24/2012 5:47:15 AM | 0.28 | 211 | 383 | 5 |
| 7/24/2012 5:48:15 AM | 0.28 | 211 | 382 | 5 |
| 7/24/2012 5:49:15 AM | 0.29 | 212 | 382 | 5 |
| 7/24/2012 5:50:15 AM | 0.29 | 212 | 385 | 5 |
| 7/24/2012 5:51:15 AM | 0.29 | 212 | 382 | 5 |
| 7/24/2012 5:52:15 AM | 0.29 | 213 | 381 | 5 |
| 7/24/2012 5:53:15 AM | 0.29 | 213 | 384 | 5 |
| 7/24/2012 5:54:15 AM | 0.29 | 214 | 386 | 5 |
| 7/24/2012 5:55:15 AM | 0.29 | 215 | 383 | 5 |
| 7/24/2012 5:56:15 AM | 0.28 | 214 | 385 | 5 |
| 7/24/2012 5:57:15 AM | 0.29 | 214 | 387 | 5 |
| 7/24/2012 5:58:15 AM | 0.29 | 215 | 387 | 5 |
| 7/24/2012 5:59:15 AM | 0.29 | 215 | 387 | 5 |
| 7/24/2012 6:00:15 AM | 0.29 | 215 | 387 | 5 |
| 7/24/2012 6:01:15 AM | 0.29 | 216 | 387 | 5 |
| 7/24/2012 6:02:15 AM | 0.29 | 216 | 388 | 5 |
| 7/24/2012 6:03:15 AM | 0.29 | 216 | 390 | 5 |
| 7/24/2012 6:04:15 AM | 0.28 | 216 | 388 | 5 |
| 7/24/2012 6:05:15 AM | 0.29 | 215 | 387 | 6 |
| 7/24/2012 6:06:15 AM | 0.29 | 216 | 385 | 6 |
| 7/24/2012 6:07:15 AM | 0.29 | 217 | 384 | 6 |
| 7/24/2012 6:08:15 AM | 0.28 | 216 | 386 | 5 |
| 7/24/2012 6:09:15 AM | 0.28 | 215 | 384 | 5 |
| 7/24/2012 6:10:15 AM | 0.29 | 215 | 382 | 5 |
| 7/24/2012 6:11:15 AM | 0.28 | 215 | 382 | 5 |
| 7/24/2012 6:12:15 AM | 0.28 | 215 | 382 | 5 |
| 7/24/2012 6:13:15 AM | 0.28 | 216 | 381 | 5 |
| 7/24/2012 6:14:15 AM | 0.28 | 215 | 382 | 5 |
| 7/24/2012 6:15:15 AM | 0.28 | 214 | 380 | 5 |
| 7/24/2012 6:16:15 AM | 0.28 | 214 | 379 | 5 |
| 7/24/2012 6:17:15 AM | 0.28 | 214 | 380 | 5 |
| 7/24/2012 6:18:15 AM | 0.28 | 214 | 378 | 5 |
| 7/24/2012 6:19:15 AM | 0.29 | 215 | 377 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 6:20:15 AM | 0.29 | 214 | 376 | 5 |
| 7/24/2012 6:21:15 AM | 0.28 | 214 | 377 | 5 |
| 7/24/2012 6:22:15 AM | 0.29 | 214 | 377 | 5 |
| 7/24/2012 6:23:15 AM | 0.28 | 214 | 380 | 5 |
| 7/24/2012 6:24:15 AM | 0.28 | 214 | 377 | 5 |
| 7/24/2012 6:25:15 AM | 0.28 | 215 | 376 | 5 |
| 7/24/2012 6:26:15 AM | 0.28 | 215 | 378 | 5 |
| 7/24/2012 6:27:15 AM | 0.28 | 216 | 379 | 5 |
| 7/24/2012 6:28:15 AM | 0.28 | 216 | 379 | 5 |
| 7/24/2012 6:29:15 AM | 0.28 | 217 | 379 | 5 |
| 7/24/2012 6:30:15 AM | 0.28 | 217 | 380 | 5 |
| 7/24/2012 6:31:15 AM | 0.29 | 217 | 379 | 6 |
| 7/24/2012 6:32:15 AM | 0.29 | 218 | 381 | 6 |
| 7/24/2012 6:33:15 AM | 0.29 | 220 | 382 | 6 |
| 7/24/2012 6:34:15 AM | 0.29 | 220 | 382 | 6 |
| 7/24/2012 6:35:15 AM | 0.29 | 220 | 383 | 6 |
| 7/24/2012 6:36:15 AM | 0.28 | 219 | 382 | 6 |
| 7/24/2012 6:37:15 AM | 0.28 | 220 | 382 | 6 |
| 7/24/2012 6:38:15 AM | 0.28 | 219 | 384 | 5 |
| 7/24/2012 6:39:15 AM | 0.28 | 219 | 386 | 5 |
| 7/24/2012 6:40:15 AM | 0.29 | 219 | 387 | 5 |
| 7/24/2012 6:41:15 AM | 0.29 | 220 | 388 | 5 |
| 7/24/2012 6:42:15 AM | 0.28 | 220 | 389 | 5 |
| 7/24/2012 6:43:15 AM | 0.29 | 220 | 390 | 5 |
| 7/24/2012 6:44:15 AM | 0.28 | 220 | 390 | 4 |
| 7/24/2012 6:45:15 AM | 0.28 | 221 | 392 | 4 |
| 7/24/2012 6:46:15 AM | 0.28 | 219 | 389 | 5 |
| 7/24/2012 6:47:15 AM | 0.28 | 220 | 389 | 5 |
| 7/24/2012 6:48:15 AM | 0.28 | 219 | 387 | 5 |
| 7/24/2012 6:49:15 AM | 0.28 | 219 | 384 | 5 |
| 7/24/2012 6:50:15 AM | 0.28 | 218 | 384 | 5 |
| 7/24/2012 6:51:15 AM | 0.29 | 218 | 383 | 5 |
| 7/24/2012 6:52:15 AM | 0.28 | 219 | 383 | 5 |
| 7/24/2012 6:53:15 AM | 0.28 | 219 | 384 | 5 |
| 7/24/2012 6:54:15 AM | 0.29 | 219 | 386 | 5 |
| 7/24/2012 6:55:15 AM | 0.28 | 219 | 384 | 5 |
| 7/24/2012 6:56:15 AM | 0.29 | 219 | 385 | 5 |
| 7/24/2012 6:57:15 AM | 0.28 | 220 | 388 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 6:58:15 AM | 0.28 | 220 | 384 | 5 |
| 7/24/2012 6:59:15 AM | 0.28 | 220 | 383 | 5 |
| 7/24/2012 7:00:15 AM | 0.28 | 219 | 384 | 5 |
| 7/24/2012 7:01:15 AM | 0.28 | 220 | 387 | 5 |
| 7/24/2012 7:02:15 AM | 0.28 | 220 | 386 | 5 |
| 7/24/2012 7:03:15 AM | 0.28 | 221 | 386 | 5 |
| 7/24/2012 7:04:15 AM | 0.28 | 221 | 385 | 5 |
| 7/24/2012 7:05:15 AM | 0.28 | 220 | 387 | 5 |
| 7/24/2012 7:06:15 AM | 0.28 | 220 | 387 | 5 |
| 7/24/2012 7:07:15 AM | 0.29 | 220 | 388 | 5 |
| 7/24/2012 7:08:15 AM | 0.28 | 221 | 391 | 5 |
| 7/24/2012 7:09:15 AM | 0.28 | 220 | 392 | 5 |
| 7/24/2012 7:10:15 AM | 0.28 | 220 | 392 | 5 |
| 7/24/2012 7:11:15 AM | 0.28 | 220 | 392 | 5 |
| 7/24/2012 7:12:15 AM | 0.28 | 221 | 390 | 5 |
| 7/24/2012 7:13:15 AM | 0.28 | 221 | 388 | 5 |
| 7/24/2012 7:14:15 AM | 0.28 | 221 | 390 | 5 |
| 7/24/2012 7:15:15 AM | 0.28 | 220 | 388 | 5 |
| 7/24/2012 7:16:15 AM | 0.28 | 220 | 387 | 5 |
| 7/24/2012 7:17:15 AM | 0.28 | 219 | 388 | 6 |
| 7/24/2012 7:18:15 AM | 0.28 | 218 | 386 | 6 |
| 7/24/2012 7:19:15 AM | 0.28 | 218 | 385 | 6 |
| 7/24/2012 7:20:15 AM | 0.28 | 218 | 386 | 5 |
| 7/24/2012 7:21:15 AM | 0.28 | 218 | 386 | 5 |
| 7/24/2012 7:22:15 AM | 0.28 | 218 | 388 | 5 |
| 7/24/2012 7:23:15 AM | 0.28 | 220 | 388 | 5 |
| 7/24/2012 7:24:15 AM | 0.28 | 220 | 389 | 5 |
| 7/24/2012 7:25:15 AM | 0.28 | 220 | 391 | 5 |
| 7/24/2012 7:26:15 AM | 0.28 | 220 | 389 | 5 |
| 7/24/2012 7:27:15 AM | 0.28 | 220 | 390 | 5 |
| 7/24/2012 7:28:15 AM | 0.28 | 221 | 388 | 5 |
| 7/24/2012 7:29:15 AM | 0.28 | 221 | 389 | 5 |
| 7/24/2012 7:30:15 AM | 0.28 | 221 | 392 | 5 |
| 7/24/2012 7:31:15 AM | 0.28 | 220 | 391 | 5 |
| 7/24/2012 7:32:15 AM | 0.28 | 221 | 391 | 5 |
| 7/24/2012 7:33:15 AM | 0.28 | 221 | 390 | 5 |
| 7/24/2012 7:34:15 AM | 0.28 | 220 | 389 | 5 |
| 7/24/2012 7:35:15 AM | 0.28 | 220 | 390 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 7:36:15 AM | 0.28 | 220 | 391 | 5 |
| 7/24/2012 7:37:15 AM | 0.28 | 220 | 392 | 5 |
| 7/24/2012 7:38:15 AM | 0.28 | 219 | 393 | 5 |
| 7/24/2012 7:39:15 AM | 0.28 | 220 | 393 | 5 |
| 7/24/2012 7:40:15 AM | 0.28 | 219 | 392 | 5 |
| 7/24/2012 7:41:15 AM | 0.29 | 219 | 392 | 5 |
| 7/24/2012 7:42:15 AM | 0.28 | 219 | 390 | 5 |
| 7/24/2012 7:43:15 AM | 0.28 | 220 | 392 | 5 |
| 7/24/2012 7:44:15 AM | 0.28 | 219 | 394 | 5 |
| 7/24/2012 7:45:15 AM | 0.29 | 219 | 392 | 5 |
| 7/24/2012 7:46:15 AM | 0.28 | 219 | 398 | 5 |
| 7/24/2012 7:47:15 AM | Start Calibration | | | |
| 7/24/2012 7:48:15 AM | | | | |
| 7/24/2012 7:49:15 AM | | | | |
| 7/24/2012 7:50:15 AM | | | | |
| 7/24/2012 7:51:15 AM | | | | |
| 7/24/2012 7:52:15 AM | | | | |
| 7/24/2012 7:53:15 AM | | | | |
| 7/24/2012 7:54:15 AM | | | | |
| 7/24/2012 7:55:15 AM | | | | |
| 7/24/2012 7:56:15 AM | | | | |
| 7/24/2012 7:57:15 AM | | | | |
| 7/24/2012 7:58:15 AM | | | | |
| 7/24/2012 7:59:15 AM | | | | |
| 7/24/2012 8:00:15 AM | | | | |
| 7/24/2012 8:01:15 AM | | | | |
| 7/24/2012 8:02:15 AM | | | | |
| 7/24/2012 8:03:15 AM | | | | |
| 7/24/2012 8:04:15 AM | | | | |
| 7/24/2012 8:05:15 AM | | | | |
| 7/24/2012 8:06:15 AM | | | | |
| 7/24/2012 8:07:15 AM | | | | |
| 7/24/2012 8:08:15 AM | | | | |
| 7/24/2012 8:09:15 AM | | | | |
| 7/24/2012 8:10:15 AM | | | | |
| 7/24/2012 8:11:15 AM | | | | |
| 7/24/2012 8:12:15 AM | | | | |
| 7/24/2012 8:13:15 AM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 8:14:15 AM | | | | |
| 7/24/2012 8:15:15 AM | | | | |
| 7/24/2012 8:16:15 AM | | | | |
| 7/24/2012 8:17:15 AM | | | | |
| 7/24/2012 8:18:15 AM | | | | |
| 7/24/2012 8:19:15 AM | | | | |
| 7/24/2012 8:20:15 AM | | | | |
| 7/24/2012 8:21:15 AM | | | | |
| 7/24/2012 8:22:15 AM | | | | |
| 7/24/2012 8:23:15 AM | | | | |
| 7/24/2012 8:24:15 AM | | | | |
| 7/24/2012 8:25:15 AM | End Calibration | | | |
| 7/24/2012 8:26:15 AM | 0.28 | 214 | 539 | 6 |
| 7/24/2012 8:27:15 AM | 0.28 | 215 | 505 | 6 |
| 7/24/2012 8:28:15 AM | 0.29 | 216 | 477 | 6 |
| 7/24/2012 8:29:15 AM | 0.28 | 215 | 458 | 7 |
| 7/24/2012 8:30:15 AM | 0.28 | 215 | 446 | 7 |
| 7/24/2012 8:31:15 AM | 0.28 | 215 | 437 | 7 |
| 7/24/2012 8:32:15 AM | 0.28 | 214 | 427 | 7 |
| 7/24/2012 8:33:15 AM | 0.28 | 214 | 417 | 7 |
| 7/24/2012 8:34:15 AM | 0.29 | 213 | 409 | 8 |
| 7/24/2012 8:35:15 AM | 0.29 | 214 | 406 | 8 |
| 7/24/2012 8:36:15 AM | 0.29 | 213 | 401 | 8 |
| 7/24/2012 8:37:15 AM | 0.29 | 214 | 394 | 8 |
| 7/24/2012 8:38:15 AM | 0.29 | 213 | 391 | 8 |
| 7/24/2012 8:39:15 AM | 0.29 | 212 | 389 | 8 |
| 7/24/2012 8:40:15 AM | 0.29 | 213 | 384 | 8 |
| 7/24/2012 8:41:15 AM | 0.29 | 213 | 377 | 7 |
| 7/24/2012 8:42:15 AM | 0.28 | 214 | 376 | 7 |
| 7/24/2012 8:43:15 AM | 0.28 | 215 | 372 | 8 |
| 7/24/2012 8:44:15 AM | 0.28 | 214 | 372 | 8 |
| 7/24/2012 8:45:15 AM | 0.29 | 214 | 370 | 8 |
| 7/24/2012 8:46:15 AM | 0.28 | 214 | 366 | 8 |
| 7/24/2012 8:47:15 AM | 0.28 | 216 | 367 | 8 |
| 7/24/2012 8:48:15 AM | 0.28 | 215 | 368 | 8 |
| 7/24/2012 8:49:15 AM | 0.28 | 216 | 369 | 8 |
| 7/24/2012 8:50:15 AM | 0.28 | 218 | 370 | 8 |
| 7/24/2012 8:51:15 AM | 0.29 | 219 | 369 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 8:52:15 AM | 0.28 | 218 | 367 | 8 |
| 7/24/2012 8:53:15 AM | 0.28 | 218 | 363 | 8 |
| 7/24/2012 8:54:15 AM | 0.28 | 220 | 363 | 8 |
| 7/24/2012 8:55:15 AM | 0.28 | 221 | 364 | 8 |
| 7/24/2012 8:56:15 AM | 0.28 | 220 | 363 | 8 |
| 7/24/2012 8:57:15 AM | 0.28 | 219 | 362 | 8 |
| 7/24/2012 8:58:15 AM | 0.28 | 219 | 363 | 8 |
| 7/24/2012 8:59:15 AM | 0.28 | 220 | 363 | 8 |
| 7/24/2012 9:00:15 AM | 0.28 | 219 | 362 | 8 |
| 7/24/2012 9:01:15 AM | 0.28 | 218 | 361 | 8 |
| 7/24/2012 9:02:15 AM | 0.28 | 218 | 359 | 8 |
| 7/24/2012 9:03:15 AM | 0.28 | 217 | 361 | 8 |
| 7/24/2012 9:04:15 AM | 0.28 | 216 | 359 | 8 |
| 7/24/2012 9:05:15 AM | 0.28 | 216 | 360 | 7 |
| 7/24/2012 9:06:15 AM | 0.28 | 218 | 360 | 7 |
| 7/24/2012 9:07:15 AM | 0.28 | 218 | 360 | 7 |
| 7/24/2012 9:08:15 AM | 0.28 | 218 | 362 | 7 |
| 7/24/2012 9:09:15 AM | 0.28 | 218 | 363 | 7 |
| 7/24/2012 9:10:15 AM | 0.28 | 218 | 361 | 7 |
| 7/24/2012 9:11:15 AM | 0.28 | 217 | 362 | 7 |
| 7/24/2012 9:12:15 AM | 0.28 | 216 | 363 | 7 |
| 7/24/2012 9:13:15 AM | 0.28 | 215 | 361 | 7 |
| 7/24/2012 9:14:15 AM | 0.28 | 216 | 359 | 7 |
| 7/24/2012 9:15:15 AM | 0.28 | 219 | 363 | 7 |
| 7/24/2012 9:16:15 AM | 0.29 | 217 | 365 | 7 |
| 7/24/2012 9:17:15 AM | 0.29 | 217 | 367 | 7 |
| 7/24/2012 9:18:15 AM | 0.28 | 218 | 368 | 7 |
| 7/24/2012 9:19:15 AM | 0.28 | 219 | 368 | 7 |
| 7/24/2012 9:20:15 AM | 0.28 | 220 | 371 | 7 |
| 7/24/2012 9:21:15 AM | 0.28 | 218 | 369 | 7 |
| 7/24/2012 9:22:15 AM | 0.29 | 217 | 370 | 7 |
| 7/24/2012 9:23:15 AM | 0.28 | 217 | 369 | 6 |
| 7/24/2012 9:24:15 AM | 0.28 | 217 | 369 | 6 |
| 7/24/2012 9:25:15 AM | 0.28 | 217 | 368 | 7 |
| 7/24/2012 9:26:15 AM | 0.29 | 216 | 368 | 7 |
| 7/24/2012 9:27:15 AM | 0.28 | 217 | 368 | 7 |
| 7/24/2012 9:28:15 AM | 0.28 | 218 | 370 | 7 |
| 7/24/2012 9:29:15 AM | 0.28 | 219 | 372 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 9:30:15 AM | 0.28 | 218 | 372 | 6 |
| 7/24/2012 9:31:15 AM | 0.28 | 218 | 372 | 6 |
| 7/24/2012 9:32:15 AM | 0.28 | 218 | 371 | 6 |
| 7/24/2012 9:33:15 AM | 0.28 | 218 | 370 | 6 |
| 7/24/2012 9:34:15 AM | 0.28 | 220 | 372 | 6 |
| 7/24/2012 9:35:15 AM | 0.28 | 220 | 372 | 6 |
| 7/24/2012 9:36:15 AM | 0.28 | 220 | 372 | 6 |
| 7/24/2012 9:37:15 AM | 0.28 | 219 | 371 | 6 |
| 7/24/2012 9:38:15 AM | 0.28 | 220 | 375 | 6 |
| 7/24/2012 9:39:15 AM | 0.28 | 220 | 376 | 6 |
| 7/24/2012 9:40:15 AM | 0.28 | 219 | 376 | 6 |
| 7/24/2012 9:41:15 AM | 0.28 | 218 | 376 | 6 |
| 7/24/2012 9:42:15 AM | 0.28 | 218 | 374 | 6 |
| 7/24/2012 9:43:15 AM | 0.28 | 217 | 375 | 6 |
| 7/24/2012 9:44:15 AM | 0.28 | 218 | 371 | 5 |
| 7/24/2012 9:45:15 AM | 0.28 | 219 | 368 | 5 |
| 7/24/2012 9:46:15 AM | 0.28 | 219 | 367 | 5 |
| 7/24/2012 9:47:15 AM | 0.28 | 219 | 371 | 5 |
| 7/24/2012 9:48:15 AM | 0.28 | 220 | 372 | 5 |
| 7/24/2012 9:49:15 AM | 0.28 | 220 | 371 | 6 |
| 7/24/2012 9:50:15 AM | 0.28 | 220 | 367 | 6 |
| 7/24/2012 9:51:15 AM | 0.28 | 222 | 365 | 6 |
| 7/24/2012 9:52:15 AM | 0.28 | 223 | 368 | 6 |
| 7/24/2012 9:53:15 AM | 0.28 | 224 | 368 | 5 |
| 7/24/2012 9:54:15 AM | 0.28 | 224 | 370 | 5 |
| 7/24/2012 9:55:15 AM | 0.28 | 224 | 371 | 6 |
| 7/24/2012 9:56:15 AM | 0.28 | 222 | 375 | 6 |
| 7/24/2012 9:57:15 AM | 0.28 | 222 | 374 | 6 |
| 7/24/2012 9:58:15 AM | 0.28 | 222 | 375 | 6 |
| 7/24/2012 9:59:15 AM | 0.28 | 221 | 374 | 5 |
| 7/24/2012 10:00:15 AM | 0.28 | 221 | 372 | 5 |
| 7/24/2012 10:01:15 AM | 0.28 | 223 | 372 | 6 |
| 7/24/2012 10:02:15 AM | 0.28 | 223 | 372 | 6 |
| 7/24/2012 10:03:15 AM | 0.28 | 222 | 369 | 6 |
| 7/24/2012 10:04:15 AM | 0.28 | 221 | 368 | 6 |
| 7/24/2012 10:05:15 AM | 0.28 | 221 | 367 | 5 |
| 7/24/2012 10:06:15 AM | 0.28 | 222 | 369 | 5 |
| 7/24/2012 10:07:15 AM | 0.28 | 222 | 367 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 10:08:15 AM | 0.28 | 220 | 367 | 6 |
| 7/24/2012 10:09:15 AM | 0.28 | 220 | 364 | 6 |
| 7/24/2012 10:10:15 AM | 0.28 | 221 | 363 | 6 |
| 7/24/2012 10:11:15 AM | 0.28 | 221 | 367 | 5 |
| 7/24/2012 10:12:15 AM | 0.28 | 222 | 366 | 5 |
| 7/24/2012 10:13:15 AM | 0.28 | 223 | 365 | 5 |
| 7/24/2012 10:14:15 AM | 0.28 | 223 | 368 | 5 |
| 7/24/2012 10:15:15 AM | 0.28 | 224 | 368 | 5 |
| 7/24/2012 10:16:15 AM | 0.28 | 224 | 370 | 5 |
| 7/24/2012 10:17:15 AM | 0.28 | 223 | 368 | 5 |
| 7/24/2012 10:18:15 AM | 0.28 | 223 | 368 | 5 |
| 7/24/2012 10:19:15 AM | 0.28 | 222 | 371 | 5 |
| 7/24/2012 10:20:15 AM | 0.28 | 223 | 368 | 5 |
| 7/24/2012 10:21:15 AM | 0.28 | 223 | 366 | 5 |
| 7/24/2012 10:22:15 AM | 0.28 | 223 | 367 | 5 |
| 7/24/2012 10:23:15 AM | 0.28 | 223 | 366 | 5 |
| 7/24/2012 10:24:15 AM | 0.28 | 224 | 367 | 5 |
| 7/24/2012 10:25:15 AM | 0.28 | 224 | 367 | 5 |
| 7/24/2012 10:26:15 AM | 0.28 | 223 | 368 | 5 |
| 7/24/2012 10:27:15 AM | 0.28 | 223 | 371 | 5 |
| 7/24/2012 10:28:15 AM | 0.28 | 224 | 371 | 5 |
| 7/24/2012 10:29:15 AM | 0.27 | 226 | 373 | 5 |
| 7/24/2012 10:30:15 AM | 0.28 | 225 | 373 | 5 |
| 7/24/2012 10:31:15 AM | 0.28 | 224 | 370 | 5 |
| 7/24/2012 10:32:15 AM | 0.28 | 223 | 370 | 5 |
| 7/24/2012 10:33:15 AM | 0.27 | 223 | 370 | 5 |
| 7/24/2012 10:34:15 AM | 0.28 | 223 | 368 | 5 |
| 7/24/2012 10:35:15 AM | 0.28 | 222 | 372 | 5 |
| 7/24/2012 10:36:15 AM | 0.28 | 223 | 373 | 5 |
| 7/24/2012 10:37:15 AM | 0.28 | 224 | 374 | 5 |
| 7/24/2012 10:38:15 AM | 0.28 | 225 | 374 | 5 |
| 7/24/2012 10:39:15 AM | 0.28 | 225 | 376 | 5 |
| 7/24/2012 10:40:15 AM | 0.28 | 224 | 377 | 5 |
| 7/24/2012 10:41:15 AM | 0.28 | 225 | 378 | 5 |
| 7/24/2012 10:42:15 AM | 0.28 | 224 | 378 | 5 |
| 7/24/2012 10:43:15 AM | 0.28 | 223 | 376 | 5 |
| 7/24/2012 10:44:15 AM | 0.28 | 224 | 375 | 5 |
| 7/24/2012 10:45:15 AM | 0.28 | 222 | 375 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 10:46:15 AM | 0.28 | 221 | 374 | 5 |
| 7/24/2012 10:47:15 AM | 0.28 | 222 | 376 | 5 |
| 7/24/2012 10:48:15 AM | 0.28 | 223 | 378 | 5 |
| 7/24/2012 10:49:15 AM | 0.28 | 224 | 376 | 5 |
| 7/24/2012 10:50:15 AM | 0.28 | 225 | 377 | 5 |
| 7/24/2012 10:51:15 AM | 0.28 | 225 | 378 | 5 |
| 7/24/2012 10:52:15 AM | 0.28 | 225 | 381 | 5 |
| 7/24/2012 10:53:15 AM | 0.28 | 226 | 383 | 5 |
| 7/24/2012 10:54:15 AM | 0.27 | 227 | 386 | 5 |
| 7/24/2012 10:55:15 AM | 0.28 | 226 | 389 | 5 |
| 7/24/2012 10:56:15 AM | 0.28 | 226 | 391 | 5 |
| 7/24/2012 10:57:15 AM | 0.29 | 226 | 389 | 5 |
| 7/24/2012 10:58:15 AM | 0.28 | 224 | 386 | 5 |
| 7/24/2012 10:59:15 AM | 0.28 | 223 | 382 | 5 |
| 7/24/2012 11:00:15 AM | 0.28 | 223 | 385 | 5 |
| 7/24/2012 11:01:15 AM | 0.28 | 223 | 379 | 5 |
| 7/24/2012 11:02:15 AM | 0.28 | 224 | 381 | 5 |
| 7/24/2012 11:03:15 AM | 0.29 | 223 | 384 | 5 |
| 7/24/2012 11:04:15 AM | 0.28 | 221 | 384 | 5 |
| 7/24/2012 11:05:15 AM | 0.28 | 221 | 384 | 5 |
| 7/24/2012 11:06:15 AM | 0.28 | 221 | 382 | 5 |
| 7/24/2012 11:07:15 AM | 0.28 | 222 | 380 | 5 |
| 7/24/2012 11:08:15 AM | 0.28 | 223 | 378 | 5 |
| 7/24/2012 11:09:15 AM | 0.28 | 225 | 377 | 5 |
| 7/24/2012 11:10:15 AM | 0.28 | 227 | 378 | 5 |
| 7/24/2012 11:11:15 AM | 0.28 | 226 | 381 | 5 |
| 7/24/2012 11:12:15 AM | 0.28 | 224 | 377 | 5 |
| 7/24/2012 11:13:15 AM | 0.28 | 223 | 379 | 5 |
| 7/24/2012 11:14:15 AM | 0.28 | 223 | 374 | 5 |
| 7/24/2012 11:15:15 AM | 0.28 | 225 | 371 | 5 |
| 7/24/2012 11:16:15 AM | 0.28 | 225 | 371 | 5 |
| 7/24/2012 11:17:15 AM | 0.28 | 226 | 377 | 4 |
| 7/24/2012 11:18:15 AM | 0.28 | 228 | 380 | 4 |
| 7/24/2012 11:19:15 AM | 0.28 | 228 | 379 | 5 |
| 7/24/2012 11:20:15 AM | 0.27 | 227 | 381 | 5 |
| 7/24/2012 11:21:15 AM | 0.28 | 225 | 375 | 5 |
| 7/24/2012 11:22:15 AM | 0.28 | 223 | 369 | 5 |
| 7/24/2012 11:23:15 AM | 0.29 | 223 | 372 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 11:24:15 AM | 0.28 | 223 | 373 | 4 |
| 7/24/2012 11:25:15 AM | 0.28 | 223 | 370 | 4 |
| 7/24/2012 11:26:15 AM | 0.27 | 227 | 370 | 5 |
| 7/24/2012 11:27:15 AM | 0.27 | 228 | 373 | 4 |
| 7/24/2012 11:28:15 AM | 0.28 | 227 | 372 | 5 |
| 7/24/2012 11:29:15 AM | 0.28 | 224 | 369 | 5 |
| 7/24/2012 11:30:15 AM | 0.28 | 224 | 366 | 5 |
| 7/24/2012 11:31:15 AM | 0.28 | 224 | 367 | 5 |
| 7/24/2012 11:32:15 AM | 0.27 | 225 | 368 | 4 |
| 7/24/2012 11:33:15 AM | 0.28 | 227 | 371 | 4 |
| 7/24/2012 11:34:15 AM | 0.28 | 225 | 370 | 5 |
| 7/24/2012 11:35:15 AM | 0.28 | 224 | 367 | 5 |
| 7/24/2012 11:36:15 AM | 0.27 | 224 | 363 | 5 |
| 7/24/2012 11:37:15 AM | 0.28 | 226 | 365 | 5 |
| 7/24/2012 11:38:15 AM | 0.28 | 228 | 367 | 4 |
| 7/24/2012 11:39:15 AM | 0.28 | 226 | 369 | 4 |
| 7/24/2012 11:40:15 AM | 0.28 | 225 | 367 | 5 |
| 7/24/2012 11:41:15 AM | 0.29 | 224 | 366 | 5 |
| 7/24/2012 11:42:15 AM | 0.28 | 224 | 366 | 5 |
| 7/24/2012 11:43:15 AM | 0.28 | 224 | 368 | 5 |
| 7/24/2012 11:44:15 AM | 0.28 | 225 | 370 | 5 |
| 7/24/2012 11:45:15 AM | 0.27 | 226 | 372 | 5 |
| 7/24/2012 11:46:15 AM | 0.27 | 229 | 373 | 5 |
| 7/24/2012 11:47:15 AM | 0.27 | 231 | 374 | 5 |
| 7/24/2012 11:48:15 AM | 0.27 | 231 | 377 | 5 |
| 7/24/2012 11:49:15 AM | 0.28 | 232 | 377 | 5 |
| 7/24/2012 11:50:15 AM | 0.28 | 230 | 377 | 5 |
| 7/24/2012 11:51:15 AM | 0.28 | 227 | 374 | 5 |
| 7/24/2012 11:52:15 AM | 0.28 | 225 | 374 | 5 |
| 7/24/2012 11:53:15 AM | 0.28 | 225 | 377 | 5 |
| 7/24/2012 11:54:15 AM | 0.28 | 225 | 376 | 5 |
| 7/24/2012 11:55:15 AM | 0.28 | 227 | 376 | 5 |
| 7/24/2012 11:56:15 AM | 0.28 | 228 | 379 | 5 |
| 7/24/2012 11:57:15 AM | 0.28 | 228 | 383 | 5 |
| 7/24/2012 11:58:15 AM | 0.28 | 229 | 383 | 5 |
| 7/24/2012 11:59:15 AM | 0.29 | 229 | 382 | 5 |
| 7/24/2012 12:00:15 PM | 0.28 | 226 | 381 | 5 |
| 7/24/2012 12:01:15 PM | 0.29 | 225 | 382 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 12:02:15 PM | 0.28 | 224 | 383 | 5 |
| 7/24/2012 12:03:15 PM | 0.29 | 224 | 385 | 5 |
| 7/24/2012 12:04:15 PM | 0.28 | 224 | 385 | 5 |
| 7/24/2012 12:05:15 PM | 0.28 | 225 | 385 | 5 |
| 7/24/2012 12:06:15 PM | 0.28 | 226 | 387 | 5 |
| 7/24/2012 12:07:15 PM | 0.28 | 227 | 386 | 5 |
| 7/24/2012 12:08:15 PM | 0.28 | 227 | 387 | 5 |
| 7/24/2012 12:09:15 PM | 0.29 | 227 | 389 | 5 |
| 7/24/2012 12:10:15 PM | 0.28 | 228 | 391 | 5 |
| 7/24/2012 12:11:15 PM | 0.28 | 228 | 393 | 5 |
| 7/24/2012 12:12:15 PM | 0.28 | 229 | 397 | 5 |
| 7/24/2012 12:13:15 PM | 0.27 | 230 | 399 | 5 |
| 7/24/2012 12:14:15 PM | 0.28 | 230 | 399 | 5 |
| 7/24/2012 12:15:15 PM | 0.27 | 229 | 401 | 5 |
| 7/24/2012 12:16:15 PM | 0.28 | 230 | 404 | 5 |
| 7/24/2012 12:17:15 PM | 0.27 | 231 | 408 | 5 |
| 7/24/2012 12:18:15 PM | 0.27 | 233 | 412 | 5 |
| 7/24/2012 12:19:15 PM | 0.27 | 233 | 414 | 5 |
| 7/24/2012 12:20:15 PM | 0.28 | 233 | 417 | 5 |
| 7/24/2012 12:21:15 PM | 0.27 | 233 | 419 | 5 |
| 7/24/2012 12:22:15 PM | 0.27 | 233 | 417 | 5 |
| 7/24/2012 12:23:15 PM | 0.27 | 233 | 420 | 5 |
| 7/24/2012 12:24:15 PM | 0.27 | 233 | 420 | 5 |
| 7/24/2012 12:25:15 PM | 0.27 | 232 | 421 | 6 |
| 7/24/2012 12:26:15 PM | 0.28 | 232 | 422 | 6 |
| 7/24/2012 12:27:15 PM | 0.28 | 231 | 419 | 5 |
| 7/24/2012 12:28:15 PM | 0.28 | 230 | 423 | 5 |
| 7/24/2012 12:29:15 PM | 0.28 | 229 | 424 | 6 |
| 7/24/2012 12:30:15 PM | 0.28 | 227 | 421 | 6 |
| 7/24/2012 12:31:15 PM | 0.28 | 225 | 417 | 6 |
| 7/24/2012 12:32:15 PM | 0.28 | 225 | 416 | 6 |
| 7/24/2012 12:33:15 PM | 0.29 | 225 | 419 | 6 |
| 7/24/2012 12:34:15 PM | 0.29 | 223 | 419 | 6 |
| 7/24/2012 12:35:15 PM | 0.29 | 221 | 417 | 6 |
| 7/24/2012 12:36:15 PM | 0.29 | 220 | 417 | 6 |
| 7/24/2012 12:37:15 PM | 0.28 | 220 | 416 | 6 |
| 7/24/2012 12:38:15 PM | 0.28 | 220 | 418 | 6 |
| 7/24/2012 12:39:15 PM | 0.28 | 221 | 418 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 12:40:15 PM | 0.28 | 220 | 419 | 6 |
| 7/24/2012 12:41:15 PM | 0.30 | 217 | 417 | 6 |
| 7/24/2012 12:42:15 PM | 0.31 | 209 | 414 | 6 |
| 7/24/2012 12:43:15 PM | 0.31 | 200 | 409 | 6 |
| 7/24/2012 12:44:15 PM | 0.33 | 191 | 404 | 6 |
| 7/24/2012 12:45:15 PM | 0.34 | 187 | 398 | 6 |
| 7/24/2012 12:46:15 PM | 0.32 | 183 | 393 | 6 |
| 7/24/2012 12:47:15 PM | 0.31 | 181 | 393 | 8 |
| 7/24/2012 12:48:15 PM | 0.31 | 180 | 391 | 8 |
| 7/24/2012 12:49:15 PM | 0.29 | 180 | 389 | 7 |
| 7/24/2012 12:50:15 PM | 0.30 | 179 | 390 | 7 |
| 7/24/2012 12:51:15 PM | 0.30 | 181 | 392 | 7 |
| 7/24/2012 12:52:15 PM | 0.30 | 181 | 393 | 7 |
| 7/24/2012 12:53:15 PM | 0.34 | 182 | 397 | 8 |
| 7/24/2012 12:54:15 PM | 0.34 | 184 | 404 | 7 |
| 7/24/2012 12:55:15 PM | 0.34 | 184 | 408 | 8 |
| 7/24/2012 12:56:15 PM | 0.35 | 187 | 414 | 7 |
| 7/24/2012 12:57:15 PM | 0.35 | 190 | 420 | 7 |
| 7/24/2012 12:58:15 PM | 0.33 | 191 | 423 | 8 |
| 7/24/2012 12:59:15 PM | 0.31 | 192 | 426 | 8 |
| 7/24/2012 1:00:15 PM | 0.29 | 193 | 427 | 8 |
| 7/24/2012 1:01:15 PM | 0.30 | 196 | 426 | 8 |
| 7/24/2012 1:02:15 PM | 0.32 | 198 | 427 | 8 |
| 7/24/2012 1:03:15 PM | 0.31 | 199 | 423 | 8 |
| 7/24/2012 1:04:15 PM | 0.32 | 200 | 423 | 7 |
| 7/24/2012 1:05:15 PM | 0.32 | 202 | 426 | 7 |
| 7/24/2012 1:06:15 PM | 0.32 | 203 | 423 | 8 |
| 7/24/2012 1:07:15 PM | 0.32 | 203 | 422 | 8 |
| 7/24/2012 1:08:15 PM | 0.32 | 202 | 420 | 8 |
| 7/24/2012 1:09:15 PM | 0.31 | 203 | 417 | 8 |
| 7/24/2012 1:10:15 PM | 0.31 | 204 | 415 | 8 |
| 7/24/2012 1:11:15 PM | 0.30 | 204 | 412 | 8 |
| 7/24/2012 1:12:15 PM | 0.30 | 206 | 410 | 8 |
| 7/24/2012 1:13:15 PM | 0.29 | 207 | 406 | 8 |
| 7/24/2012 1:14:15 PM | 0.29 | 209 | 404 | 8 |
| 7/24/2012 1:15:15 PM | 0.29 | 211 | 399 | 8 |
| 7/24/2012 1:16:15 PM | 0.29 | 212 | 398 | 8 |
| 7/24/2012 1:17:15 PM | 0.28 | 214 | 394 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 1:18:15 PM | 0.28 | 216 | 394 | 8 |
| 7/24/2012 1:19:15 PM | 0.28 | 216 | 391 | 8 |
| 7/24/2012 1:20:15 PM | 0.28 | 214 | 388 | 9 |
| 7/24/2012 1:21:15 PM | 0.28 | 212 | 385 | 9 |
| 7/24/2012 1:22:15 PM | 0.28 | 209 | 378 | 9 |
| 7/24/2012 1:23:15 PM | 0.28 | 208 | 378 | 8 |
| 7/24/2012 1:24:15 PM | 0.29 | 208 | 376 | 8 |
| 7/24/2012 1:25:15 PM | 0.28 | 208 | 373 | 8 |
| 7/24/2012 1:26:15 PM | 0.29 | 207 | 367 | 8 |
| 7/24/2012 1:27:15 PM | 0.29 | 206 | 362 | 8 |
| 7/24/2012 1:28:15 PM | 0.29 | 206 | 359 | 8 |
| 7/24/2012 1:29:15 PM | 0.29 | 207 | 354 | 8 |
| 7/24/2012 1:30:15 PM | 0.29 | 209 | 351 | 8 |
| 7/24/2012 1:31:15 PM | 0.28 | 210 | 349 | 9 |
| 7/24/2012 1:32:15 PM | 0.29 | 212 | 344 | 9 |
| 7/24/2012 1:33:15 PM | 0.28 | 213 | 342 | 9 |
| 7/24/2012 1:34:15 PM | 0.28 | 214 | 338 | 9 |
| 7/24/2012 1:35:15 PM | 0.28 | 215 | 338 | 8 |
| 7/24/2012 1:36:15 PM | 0.28 | 216 | 337 | 8 |
| 7/24/2012 1:37:15 PM | 0.27 | 216 | 337 | 9 |
| 7/24/2012 1:38:15 PM | 0.28 | 216 | 335 | 9 |
| 7/24/2012 1:39:15 PM | 0.28 | 216 | 337 | 9 |
| 7/24/2012 1:40:15 PM | 0.27 | 216 | 337 | 9 |
| 7/24/2012 1:41:15 PM | 0.28 | 217 | 337 | 8 |
| 7/24/2012 1:42:15 PM | 0.27 | 217 | 338 | 8 |
| 7/24/2012 1:43:15 PM | 0.28 | 215 | 336 | 8 |
| 7/24/2012 1:44:15 PM | 0.28 | 211 | 337 | 8 |
| 7/24/2012 1:45:15 PM | 0.29 | 207 | 332 | 8 |
| 7/24/2012 1:46:15 PM | 0.29 | 203 | 329 | 8 |
| 7/24/2012 1:47:15 PM | 0.28 | 196 | 328 | 8 |
| 7/24/2012 1:48:15 PM | 0.30 | 186 | 322 | 8 |
| 7/24/2012 1:49:15 PM | 0.30 | 186 | 318 | 8 |
| 7/24/2012 1:50:15 PM | 0.30 | 187 | 319 | 8 |
| 7/24/2012 1:51:15 PM | 0.30 | 187 | 319 | 8 |
| 7/24/2012 1:52:15 PM | 0.30 | 191 | 315 | 8 |
| 7/24/2012 1:53:15 PM | 0.29 | 197 | 315 | 8 |
| 7/24/2012 1:54:15 PM | 0.29 | 201 | 313 | 8 |
| 7/24/2012 1:55:15 PM | 0.29 | 203 | 315 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 1:56:15 PM | 0.29 | 205 | 317 | 8 |
| 7/24/2012 1:57:15 PM | 0.29 | 206 | 318 | 8 |
| 7/24/2012 1:58:15 PM | 0.30 | 206 | 317 | 8 |
| 7/24/2012 1:59:15 PM | 0.29 | 207 | 318 | 8 |
| 7/24/2012 2:00:15 PM | 0.30 | 208 | 320 | 8 |
| 7/24/2012 2:01:15 PM | 0.29 | 209 | 320 | 8 |
| 7/24/2012 2:02:15 PM | 0.29 | 210 | 320 | 8 |
| 7/24/2012 2:03:15 PM | 0.29 | 211 | 322 | 8 |
| 7/24/2012 2:04:15 PM | 0.29 | 212 | 323 | 8 |
| 7/24/2012 2:05:15 PM | 0.29 | 212 | 322 | 8 |
| 7/24/2012 2:06:15 PM | 0.28 | 214 | 324 | 8 |
| 7/24/2012 2:07:15 PM | 0.28 | 215 | 324 | 8 |
| 7/24/2012 2:08:15 PM | 0.28 | 216 | 341 | 8 |
| 7/24/2012 2:09:15 PM | 0.28 | 217 | 334 | 8 |
| 7/24/2012 2:10:15 PM | 0.29 | 217 | 327 | 8 |
| 7/24/2012 2:11:15 PM | 0.29 | 215 | 326 | 8 |
| 7/24/2012 2:12:15 PM | 0.29 | 215 | 326 | 8 |
| 7/24/2012 2:13:15 PM | 0.28 | 215 | 323 | 8 |
| 7/24/2012 2:14:15 PM | 0.28 | 216 | 322 | 8 |
| 7/24/2012 2:15:15 PM | 0.28 | 216 | 321 | 8 |
| 7/24/2012 2:16:15 PM | 0.28 | 216 | 321 | 8 |
| 7/24/2012 2:17:15 PM | 0.28 | 216 | 321 | 8 |
| 7/24/2012 2:18:15 PM | 0.28 | 216 | 322 | 8 |
| 7/24/2012 2:19:15 PM | 0.28 | 216 | 322 | 8 |
| 7/24/2012 2:20:15 PM | 0.28 | 216 | 322 | 8 |
| 7/24/2012 2:21:15 PM | 0.28 | 216 | 322 | 8 |
| 7/24/2012 2:22:15 PM | 0.28 | 216 | 323 | 8 |
| 7/24/2012 2:23:15 PM | 0.28 | 216 | 321 | 7 |
| 7/24/2012 2:24:15 PM | 0.28 | 217 | 321 | 7 |
| 7/24/2012 2:25:15 PM | 0.28 | 218 | 322 | 8 |
| 7/24/2012 2:26:15 PM | 0.28 | 219 | 321 | 8 |
| 7/24/2012 2:27:15 PM | 0.28 | 219 | 323 | 8 |
| 7/24/2012 2:28:15 PM | 0.28 | 220 | 323 | 8 |
| 7/24/2012 2:29:15 PM | 0.28 | 221 | 324 | 7 |
| 7/24/2012 2:30:15 PM | 0.28 | 222 | 323 | 7 |
| 7/24/2012 2:31:15 PM | 0.28 | 221 | 322 | 8 |
| 7/24/2012 2:32:15 PM | 0.28 | 222 | 323 | 8 |
| 7/24/2012 2:33:15 PM | 0.28 | 223 | 324 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 2:34:15 PM | 0.28 | 223 | 326 | 8 |
| 7/24/2012 2:35:15 PM | 0.28 | 223 | 324 | 8 |
| 7/24/2012 2:36:15 PM | 0.28 | 223 | 324 | 8 |
| 7/24/2012 2:37:15 PM | 0.28 | 223 | 323 | 8 |
| 7/24/2012 2:38:15 PM | 0.28 | 222 | 324 | 7 |
| 7/24/2012 2:39:15 PM | 0.28 | 222 | 324 | 7 |
| 7/24/2012 2:40:15 PM | 0.28 | 222 | 326 | 7 |
| 7/24/2012 2:41:15 PM | 0.28 | 222 | 325 | 7 |
| 7/24/2012 2:42:15 PM | 0.28 | 221 | 326 | 7 |
| 7/24/2012 2:43:15 PM | 0.28 | 222 | 326 | 7 |
| 7/24/2012 2:44:15 PM | 0.28 | 223 | 326 | 7 |
| 7/24/2012 2:45:15 PM | 0.28 | 224 | 326 | 7 |
| 7/24/2012 2:46:15 PM | 0.28 | 225 | 326 | 7 |
| 7/24/2012 2:47:15 PM | 0.28 | 225 | 327 | 7 |
| 7/24/2012 2:48:15 PM | 0.28 | 225 | 327 | 7 |
| 7/24/2012 2:49:15 PM | 0.28 | 225 | 327 | 7 |
| 7/24/2012 2:50:15 PM | 0.28 | 225 | 328 | 7 |
| 7/24/2012 2:51:15 PM | 0.28 | 223 | 329 | 7 |
| 7/24/2012 2:52:15 PM | 0.28 | 222 | 329 | 7 |
| 7/24/2012 2:53:15 PM | 0.28 | 221 | 327 | 7 |
| 7/24/2012 2:54:15 PM | 0.28 | 221 | 326 | 7 |
| 7/24/2012 2:55:15 PM | 0.28 | 222 | 327 | 7 |
| 7/24/2012 2:56:15 PM | 0.27 | 223 | 326 | 6 |
| 7/24/2012 2:57:15 PM | 0.28 | 223 | 327 | 6 |
| 7/24/2012 2:58:15 PM | 0.28 | 222 | 326 | 6 |
| 7/24/2012 2:59:15 PM | 0.28 | 222 | 327 | 6 |
| 7/24/2012 3:00:15 PM | 0.28 | 223 | 327 | 6 |
| 7/24/2012 3:01:15 PM | 0.28 | 223 | 324 | 6 |
| 7/24/2012 3:02:15 PM | 0.28 | 224 | 329 | 6 |
| 7/24/2012 3:03:15 PM | 0.28 | 225 | 327 | 6 |
| 7/24/2012 3:04:15 PM | 0.28 | 227 | 326 | 6 |
| 7/24/2012 3:05:15 PM | 0.28 | 227 | 330 | 6 |
| 7/24/2012 3:06:15 PM | 0.28 | 227 | 329 | 6 |
| 7/24/2012 3:07:15 PM | 0.28 | 228 | 330 | 6 |
| 7/24/2012 3:08:15 PM | 0.27 | 229 | 333 | 6 |
| 7/24/2012 3:09:15 PM | 0.27 | 231 | 335 | 6 |
| 7/24/2012 3:10:15 PM | 0.27 | 232 | 336 | 6 |
| 7/24/2012 3:11:15 PM | 0.27 | 233 | 337 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 3:12:15 PM | 0.27 | 234 | 338 | 6 |
| 7/24/2012 3:13:15 PM | 0.27 | 234 | 340 | 6 |
| 7/24/2012 3:14:15 PM | 0.27 | 234 | 341 | 6 |
| 7/24/2012 3:15:15 PM | 0.27 | 233 | 340 | 6 |
| 7/24/2012 3:16:15 PM | 0.27 | 232 | 339 | 6 |
| 7/24/2012 3:17:15 PM | 0.28 | 232 | 341 | 6 |
| 7/24/2012 3:18:15 PM | 0.28 | 232 | 342 | 6 |
| 7/24/2012 3:19:15 PM | 0.28 | 232 | 341 | 6 |
| 7/24/2012 3:20:15 PM | 0.27 | 232 | 342 | 6 |
| 7/24/2012 3:21:15 PM | 0.27 | 232 | 343 | 6 |
| 7/24/2012 3:22:15 PM | 0.27 | 231 | 344 | 6 |
| 7/24/2012 3:23:15 PM | 0.27 | 232 | 344 | 6 |
| 7/24/2012 3:24:15 PM | 0.28 | 232 | 344 | 6 |
| 7/24/2012 3:25:15 PM | 0.27 | 232 | 344 | 6 |
| 7/24/2012 3:26:15 PM | 0.27 | 231 | 345 | 6 |
| 7/24/2012 3:27:15 PM | 0.28 | 231 | 346 | 6 |
| 7/24/2012 3:28:15 PM | 0.28 | 231 | 347 | 6 |
| 7/24/2012 3:29:15 PM | 0.27 | 232 | 346 | 6 |
| 7/24/2012 3:30:15 PM | 0.27 | 232 | 348 | 6 |
| 7/24/2012 3:31:15 PM | 0.27 | 233 | 348 | 6 |
| 7/24/2012 3:32:15 PM | 0.27 | 232 | 347 | 6 |
| 7/24/2012 3:33:15 PM | 0.27 | 232 | 345 | 6 |
| 7/24/2012 3:34:15 PM | 0.27 | 232 | 346 | 6 |
| 7/24/2012 3:35:15 PM | 0.27 | 232 | 350 | 5 |
| 7/24/2012 3:36:15 PM | 0.28 | 233 | 351 | 5 |
| 7/24/2012 3:37:15 PM | 0.27 | 233 | 350 | 6 |
| 7/24/2012 3:38:15 PM | 0.27 | 234 | 349 | 6 |
| 7/24/2012 3:39:15 PM | 0.27 | 235 | 349 | 6 |
| 7/24/2012 3:40:15 PM | 0.27 | 235 | 348 | 6 |
| 7/24/2012 3:41:15 PM | 0.27 | 236 | 348 | 6 |
| 7/24/2012 3:42:15 PM | 0.27 | 236 | 348 | 6 |
| 7/24/2012 3:43:15 PM | 0.27 | 235 | 346 | 6 |
| 7/24/2012 3:44:15 PM | 0.27 | 235 | 347 | 6 |
| 7/24/2012 3:45:15 PM | 0.27 | 236 | 349 | 6 |
| 7/24/2012 3:46:15 PM | 0.27 | 236 | 349 | 6 |
| 7/24/2012 3:47:15 PM | 0.27 | 236 | 347 | 6 |
| 7/24/2012 3:48:15 PM | 0.27 | 237 | 347 | 6 |
| 7/24/2012 3:49:15 PM | 0.27 | 237 | 348 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 3:50:15 PM | 0.27 | 237 | 348 | 6 |
| 7/24/2012 3:51:15 PM | 0.27 | 238 | 348 | 6 |
| 7/24/2012 3:52:15 PM | 0.27 | 237 | 351 | 6 |
| 7/24/2012 3:53:15 PM | 0.27 | 237 | 350 | 6 |
| 7/24/2012 3:54:15 PM | 0.27 | 237 | 352 | 6 |
| 7/24/2012 3:55:15 PM | 0.27 | 237 | 353 | 6 |
| 7/24/2012 3:56:15 PM | 0.27 | 237 | 352 | 6 |
| 7/24/2012 3:57:15 PM | 0.27 | 238 | 350 | 6 |
| 7/24/2012 3:58:15 PM | 0.27 | 238 | 350 | 6 |
| 7/24/2012 3:59:15 PM | 0.27 | 239 | 350 | 5 |
| 7/24/2012 4:00:15 PM | 0.27 | 239 | 348 | 5 |
| 7/24/2012 4:01:15 PM | 0.27 | 238 | 342 | 6 |
| 7/24/2012 4:02:15 PM | 0.27 | 239 | 347 | 6 |
| 7/24/2012 4:03:15 PM | 0.27 | 239 | 345 | 6 |
| 7/24/2012 4:04:15 PM | 0.27 | 239 | 344 | 6 |
| 7/24/2012 4:05:15 PM | 0.27 | 239 | 346 | 6 |
| 7/24/2012 4:06:15 PM | 0.27 | 239 | 348 | 6 |
| 7/24/2012 4:07:15 PM | 0.27 | 239 | 347 | 6 |
| 7/24/2012 4:08:15 PM | 0.27 | 239 | 348 | 6 |
| 7/24/2012 4:09:15 PM | 0.27 | 238 | 347 | 6 |
| 7/24/2012 4:10:15 PM | 0.27 | 239 | 346 | 6 |
| 7/24/2012 4:11:15 PM | 0.27 | 239 | 346 | 6 |
| 7/24/2012 4:12:15 PM | 0.27 | 239 | 346 | 6 |
| 7/24/2012 4:13:15 PM | 0.27 | 239 | 347 | 6 |
| 7/24/2012 4:14:15 PM | 0.27 | 237 | 350 | 6 |
| 7/24/2012 4:15:15 PM | 0.27 | 237 | 349 | 6 |
| 7/24/2012 4:16:15 PM | 0.27 | 237 | 347 | 6 |
| 7/24/2012 4:17:15 PM | 0.27 | 236 | 347 | 6 |
| 7/24/2012 4:18:15 PM | 0.27 | 236 | 347 | 6 |
| 7/24/2012 4:19:15 PM | 0.27 | 236 | 344 | 6 |
| 7/24/2012 4:20:15 PM | 0.27 | 235 | 345 | 6 |
| 7/24/2012 4:21:15 PM | 0.28 | 235 | 344 | 6 |
| 7/24/2012 4:22:15 PM | 0.27 | 235 | 343 | 6 |
| 7/24/2012 4:23:15 PM | 0.28 | 235 | 342 | 6 |
| 7/24/2012 4:24:15 PM | 0.27 | 235 | 346 | 6 |
| 7/24/2012 4:25:15 PM | 0.28 | 235 | 344 | 6 |
| 7/24/2012 4:26:15 PM | 0.28 | 236 | 343 | 6 |
| 7/24/2012 4:27:15 PM | 0.27 | 236 | 346 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 4:28:15 PM | 0.27 | 236 | 345 | 6 |
| 7/24/2012 4:29:15 PM | 0.27 | 236 | 343 | 6 |
| 7/24/2012 4:30:15 PM | 0.27 | 235 | 342 | 6 |
| 7/24/2012 4:31:15 PM | 0.28 | 234 | 341 | 6 |
| 7/24/2012 4:32:15 PM | 0.28 | 233 | 341 | 6 |
| 7/24/2012 4:33:15 PM | 0.27 | 232 | 337 | 6 |
| 7/24/2012 4:34:15 PM | 0.27 | 233 | 337 | 6 |
| 7/24/2012 4:35:15 PM | 0.27 | 232 | 337 | 6 |
| 7/24/2012 4:36:15 PM | 0.27 | 233 | 337 | 6 |
| 7/24/2012 4:37:15 PM | 0.27 | 233 | 337 | 6 |
| 7/24/2012 4:38:15 PM | 0.27 | 232 | 337 | 6 |
| 7/24/2012 4:39:15 PM | 0.27 | 231 | 336 | 6 |
| 7/24/2012 4:40:15 PM | 0.28 | 230 | 337 | 6 |
| 7/24/2012 4:41:15 PM | 0.28 | 227 | 338 | 6 |
| 7/24/2012 4:42:15 PM | 0.28 | 227 | 337 | 6 |
| 7/24/2012 4:43:15 PM | 0.27 | 227 | 337 | 6 |
| 7/24/2012 4:44:15 PM | 0.28 | 228 | 337 | 5 |
| 7/24/2012 4:45:15 PM | 0.28 | 229 | 336 | 5 |
| 7/24/2012 4:46:15 PM | 0.28 | 229 | 335 | 6 |
| 7/24/2012 4:47:15 PM | 0.27 | 230 | 335 | 6 |
| 7/24/2012 4:48:15 PM | 0.27 | 230 | 334 | 6 |
| 7/24/2012 4:49:15 PM | 0.27 | 230 | 336 | 6 |
| 7/24/2012 4:50:15 PM | 0.28 | 230 | 337 | 6 |
| 7/24/2012 4:51:15 PM | 0.28 | 231 | 336 | 6 |
| 7/24/2012 4:52:15 PM | 0.27 | 231 | 335 | 6 |
| 7/24/2012 4:53:15 PM | 0.27 | 231 | 335 | 6 |
| 7/24/2012 4:54:15 PM | 0.27 | 230 | 334 | 6 |
| 7/24/2012 4:55:15 PM | 0.27 | 230 | 334 | 6 |
| 7/24/2012 4:56:15 PM | 0.27 | 230 | 339 | 6 |
| 7/24/2012 4:57:15 PM | 0.27 | 230 | 340 | 6 |
| 7/24/2012 4:58:15 PM | 0.27 | 230 | 339 | 6 |
| 7/24/2012 4:59:15 PM | 0.28 | 230 | 338 | 6 |
| 7/24/2012 5:00:15 PM | 0.27 | 230 | 337 | 6 |
| 7/24/2012 5:01:15 PM | 0.28 | 229 | 338 | 6 |
| 7/24/2012 5:02:15 PM | 0.28 | 227 | 339 | 6 |
| 7/24/2012 5:03:15 PM | 0.28 | 224 | 340 | 6 |
| 7/24/2012 5:04:15 PM | 0.28 | 224 | 338 | 6 |
| 7/24/2012 5:05:15 PM | 0.28 | 223 | 338 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 5:06:15 PM | 0.28 | 222 | 336 | 6 |
| 7/24/2012 5:07:15 PM | 0.28 | 221 | 335 | 6 |
| 7/24/2012 5:08:15 PM | 0.28 | 220 | 331 | 6 |
| 7/24/2012 5:09:15 PM | 0.28 | 219 | 331 | 7 |
| 7/24/2012 5:10:15 PM | 0.28 | 219 | 332 | 7 |
| 7/24/2012 5:11:15 PM | 0.28 | 220 | 332 | 7 |
| 7/24/2012 5:12:15 PM | 0.28 | 220 | 333 | 7 |
| 7/24/2012 5:13:15 PM | 0.28 | 219 | 331 | 7 |
| 7/24/2012 5:14:15 PM | 0.28 | 220 | 331 | 6 |
| 7/24/2012 5:15:15 PM | 0.28 | 220 | 328 | 6 |
| 7/24/2012 5:16:15 PM | 0.28 | 220 | 329 | 6 |
| 7/24/2012 5:17:15 PM | 0.28 | 221 | 330 | 7 |
| 7/24/2012 5:18:15 PM | 0.28 | 221 | 330 | 7 |
| 7/24/2012 5:19:15 PM | 0.28 | 220 | 330 | 7 |
| 7/24/2012 5:20:15 PM | 0.28 | 220 | 330 | 6 |
| 7/24/2012 5:21:15 PM | 0.28 | 221 | 330 | 6 |
| 7/24/2012 5:22:15 PM | 0.28 | 221 | 327 | 6 |
| 7/24/2012 5:23:15 PM | 0.28 | 222 | 328 | 6 |
| 7/24/2012 5:24:15 PM | 0.28 | 223 | 328 | 6 |
| 7/24/2012 5:25:15 PM | 0.28 | 225 | 326 | 6 |
| 7/24/2012 5:26:15 PM | 0.28 | 226 | 323 | 6 |
| 7/24/2012 5:27:15 PM | 0.28 | 225 | 324 | 6 |
| 7/24/2012 5:28:15 PM | 0.28 | 224 | 325 | 6 |
| 7/24/2012 5:29:15 PM | 0.28 | 223 | 326 | 6 |
| 7/24/2012 5:30:15 PM | 0.28 | 223 | 326 | 6 |
| 7/24/2012 5:31:15 PM | 0.28 | 222 | 326 | 6 |
| 7/24/2012 5:32:15 PM | 0.28 | 220 | 323 | 6 |
| 7/24/2012 5:33:15 PM | 0.28 | 219 | 321 | 6 |
| 7/24/2012 5:34:15 PM | 0.28 | 217 | 320 | 6 |
| 7/24/2012 5:35:15 PM | 0.29 | 215 | 318 | 6 |
| 7/24/2012 5:36:15 PM | 0.28 | 214 | 319 | 6 |
| 7/24/2012 5:37:15 PM | 0.28 | 213 | 317 | 6 |
| 7/24/2012 5:38:15 PM | 0.29 | 214 | 317 | 6 |
| 7/24/2012 5:39:15 PM | 0.29 | 214 | 316 | 6 |
| 7/24/2012 5:40:15 PM | 0.28 | 214 | 316 | 6 |
| 7/24/2012 5:41:15 PM | 0.29 | 215 | 315 | 6 |
| 7/24/2012 5:42:15 PM | 0.28 | 215 | 313 | 6 |
| 7/24/2012 5:43:15 PM | 0.28 | 215 | 312 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 5:44:15 PM | 0.29 | 215 | 310 | 6 |
| 7/24/2012 5:45:15 PM | 0.29 | 216 | 310 | 6 |
| 7/24/2012 5:46:15 PM | 0.28 | 218 | 309 | 6 |
| 7/24/2012 5:47:15 PM | 0.28 | 219 | 308 | 6 |
| 7/24/2012 5:48:15 PM | 0.28 | 220 | 308 | 6 |
| 7/24/2012 5:49:15 PM | 0.28 | 220 | 311 | 6 |
| 7/24/2012 5:50:15 PM | 0.28 | 219 | 312 | 6 |
| 7/24/2012 5:51:15 PM | 0.28 | 218 | 313 | 6 |
| 7/24/2012 5:52:15 PM | 0.28 | 217 | 311 | 6 |
| 7/24/2012 5:53:15 PM | 0.28 | 217 | 311 | 6 |
| 7/24/2012 5:54:15 PM | 0.29 | 218 | 309 | 6 |
| 7/24/2012 5:55:15 PM | 0.28 | 219 | 308 | 6 |
| 7/24/2012 5:56:15 PM | 0.28 | 219 | 307 | 6 |
| 7/24/2012 5:57:15 PM | 0.28 | 220 | 308 | 6 |
| 7/24/2012 5:58:15 PM | 0.28 | 220 | 309 | 6 |
| 7/24/2012 5:59:15 PM | 0.28 | 221 | 307 | 6 |
| 7/24/2012 6:00:15 PM | 0.28 | 221 | 307 | 6 |
| 7/24/2012 6:01:15 PM | 0.28 | 222 | 308 | 6 |
| 7/24/2012 6:02:15 PM | 0.28 | 222 | 307 | 6 |
| 7/24/2012 6:03:15 PM | 0.28 | 222 | 308 | 6 |
| 7/24/2012 6:04:15 PM | 0.28 | 223 | 308 | 6 |
| 7/24/2012 6:05:15 PM | 0.28 | 224 | 308 | 6 |
| 7/24/2012 6:06:15 PM | 0.28 | 225 | 307 | 6 |
| 7/24/2012 6:07:15 PM | 0.28 | 225 | 307 | 6 |
| 7/24/2012 6:08:15 PM | 0.28 | 226 | 307 | 6 |
| 7/24/2012 6:09:15 PM | 0.28 | 226 | 307 | 6 |
| 7/24/2012 6:10:15 PM | 0.28 | 228 | 306 | 6 |
| 7/24/2012 6:11:15 PM | 0.28 | 228 | 306 | 6 |
| 7/24/2012 6:12:15 PM | 0.28 | 228 | 307 | 6 |
| 7/24/2012 6:13:15 PM | 0.28 | 228 | 307 | 6 |
| 7/24/2012 6:14:15 PM | 0.28 | 228 | 306 | 6 |
| 7/24/2012 6:15:15 PM | 0.28 | 228 | 306 | 6 |
| 7/24/2012 6:16:15 PM | 0.28 | 228 | 307 | 6 |
| 7/24/2012 6:17:15 PM | 0.28 | 228 | 307 | 6 |
| 7/24/2012 6:18:15 PM | 0.27 | 227 | 306 | 6 |
| 7/24/2012 6:19:15 PM | 0.28 | 226 | 307 | 6 |
| 7/24/2012 6:20:15 PM | 0.28 | 226 | 307 | 6 |
| 7/24/2012 6:21:15 PM | 0.28 | 225 | 307 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 6:22:15 PM | 0.28 | 225 | 307 | 6 |
| 7/24/2012 6:23:15 PM | 0.28 | 226 | 304 | 6 |
| 7/24/2012 6:24:15 PM | 0.27 | 226 | 303 | 6 |
| 7/24/2012 6:25:15 PM | 0.28 | 227 | 303 | 6 |
| 7/24/2012 6:26:15 PM | 0.27 | 228 | 306 | 5 |
| 7/24/2012 6:27:15 PM | 0.27 | 228 | 307 | 5 |
| 7/24/2012 6:28:15 PM | 0.28 | 228 | 304 | 6 |
| 7/24/2012 6:29:15 PM | 0.28 | 228 | 304 | 6 |
| 7/24/2012 6:30:15 PM | 0.28 | 228 | 304 | 6 |
| 7/24/2012 6:31:15 PM | 0.28 | 228 | 303 | 6 |
| 7/24/2012 6:32:15 PM | 0.28 | 227 | 306 | 6 |
| 7/24/2012 6:33:15 PM | 0.28 | 228 | 305 | 6 |
| 7/24/2012 6:34:15 PM | 0.28 | 228 | 305 | 6 |
| 7/24/2012 6:35:15 PM | 0.28 | 227 | 304 | 6 |
| 7/24/2012 6:36:15 PM | 0.28 | 227 | 304 | 6 |
| 7/24/2012 6:37:15 PM | 0.28 | 227 | 303 | 6 |
| 7/24/2012 6:38:15 PM | 0.28 | 227 | 304 | 6 |
| 7/24/2012 6:39:15 PM | 0.28 | 226 | 304 | 6 |
| 7/24/2012 6:40:15 PM | 0.28 | 226 | 303 | 6 |
| 7/24/2012 6:41:15 PM | 0.28 | 226 | 304 | 5 |
| 7/24/2012 6:42:15 PM | 0.28 | 227 | 303 | 5 |
| 7/24/2012 6:43:15 PM | 0.28 | 227 | 305 | 5 |
| 7/24/2012 6:44:15 PM | 0.28 | 228 | 306 | 5 |
| 7/24/2012 6:45:15 PM | 0.27 | 229 | 304 | 5 |
| 7/24/2012 6:46:15 PM | 0.28 | 229 | 302 | 6 |
| 7/24/2012 6:47:15 PM | 0.28 | 229 | 302 | 6 |
| 7/24/2012 6:48:15 PM | 0.28 | 229 | 303 | 6 |
| 7/24/2012 6:49:15 PM | 0.28 | 230 | 303 | 6 |
| 7/24/2012 6:50:15 PM | 0.27 | 230 | 306 | 5 |
| 7/24/2012 6:51:15 PM | 0.27 | 231 | 305 | 5 |
| 7/24/2012 6:52:15 PM | 0.27 | 231 | 306 | 6 |
| 7/24/2012 6:53:15 PM | 0.27 | 231 | 306 | 6 |
| 7/24/2012 6:54:15 PM | 0.27 | 232 | 305 | 6 |
| 7/24/2012 6:55:15 PM | 0.27 | 231 | 305 | 6 |
| 7/24/2012 6:56:15 PM | 0.28 | 229 | 307 | 5 |
| 7/24/2012 6:57:15 PM | 0.28 | 226 | 305 | 5 |
| 7/24/2012 6:58:15 PM | 0.28 | 224 | 303 | 5 |
| 7/24/2012 6:59:15 PM | 0.29 | 223 | 302 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 7:00:15 PM | 0.28 | 222 | 301 | 5 |
| 7/24/2012 7:01:15 PM | 0.29 | 221 | 301 | 6 |
| 7/24/2012 7:02:15 PM | 0.29 | 219 | 300 | 6 |
| 7/24/2012 7:03:15 PM | 0.29 | 218 | 299 | 6 |
| 7/24/2012 7:04:15 PM | 0.29 | 217 | 297 | 6 |
| 7/24/2012 7:05:15 PM | 0.29 | 215 | 297 | 6 |
| 7/24/2012 7:06:15 PM | 0.29 | 214 | 297 | 6 |
| 7/24/2012 7:07:15 PM | 0.29 | 215 | 296 | 6 |
| 7/24/2012 7:08:15 PM | 0.29 | 215 | 296 | 5 |
| 7/24/2012 7:09:15 PM | 0.28 | 214 | 296 | 5 |
| 7/24/2012 7:10:15 PM | 0.28 | 215 | 296 | 5 |
| 7/24/2012 7:11:15 PM | 0.29 | 215 | 295 | 5 |
| 7/24/2012 7:12:15 PM | 0.29 | 215 | 292 | 5 |
| 7/24/2012 7:13:15 PM | 0.29 | 216 | 292 | 6 |
| 7/24/2012 7:14:15 PM | 0.29 | 216 | 291 | 6 |
| 7/24/2012 7:15:15 PM | 0.29 | 215 | 290 | 6 |
| 7/24/2012 7:16:15 PM | 0.29 | 215 | 289 | 6 |
| 7/24/2012 7:17:15 PM | 0.29 | 214 | 289 | 6 |
| 7/24/2012 7:18:15 PM | 0.28 | 210 | 287 | 6 |
| 7/24/2012 7:19:15 PM | 0.29 | 206 | 286 | 6 |
| 7/24/2012 7:20:15 PM | 0.29 | 204 | 284 | 6 |
| 7/24/2012 7:21:15 PM | 0.30 | 203 | 284 | 6 |
| 7/24/2012 7:22:15 PM | 0.29 | 203 | 280 | 6 |
| 7/24/2012 7:23:15 PM | 0.29 | 202 | 279 | 5 |
| 7/24/2012 7:24:15 PM | 0.29 | 203 | 280 | 5 |
| 7/24/2012 7:25:15 PM | 0.29 | 202 | 279 | 5 |
| 7/24/2012 7:26:15 PM | 0.29 | 203 | 278 | 5 |
| 7/24/2012 7:27:15 PM | 0.30 | 204 | 276 | 5 |
| 7/24/2012 7:28:15 PM | 0.29 | 204 | 275 | 5 |
| 7/24/2012 7:29:15 PM | 0.30 | 204 | 276 | 5 |
| 7/24/2012 7:30:15 PM | 0.29 | 202 | 273 | 5 |
| 7/24/2012 7:31:15 PM | 0.29 | 201 | 270 | 5 |
| 7/24/2012 7:32:15 PM | 0.28 | 202 | 272 | 5 |
| 7/24/2012 7:33:15 PM | 0.28 | 200 | 272 | 5 |
| 7/24/2012 7:34:15 PM | 0.29 | 198 | 273 | 5 |
| 7/24/2012 7:35:15 PM | 0.30 | 199 | 272 | 5 |
| 7/24/2012 7:36:15 PM | 0.29 | 201 | 273 | 5 |
| 7/24/2012 7:37:15 PM | 0.28 | 199 | 271 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 7:38:15 PM | 0.28 | 198 | 270 | 5 |
| 7/24/2012 7:39:15 PM | 0.29 | 198 | 270 | 5 |
| 7/24/2012 7:40:15 PM | 0.30 | 199 | 266 | 5 |
| 7/24/2012 7:41:15 PM | 0.28 | 199 | 267 | 5 |
| 7/24/2012 7:42:15 PM | 0.30 | 200 | 268 | 5 |
| 7/24/2012 7:43:15 PM | 0.29 | 200 | 268 | 5 |
| 7/24/2012 7:44:15 PM | 0.30 | 200 | 266 | 5 |
| 7/24/2012 7:45:15 PM | 0.30 | 201 | 267 | 5 |
| 7/24/2012 7:46:15 PM | 0.30 | 201 | 267 | 5 |
| 7/24/2012 7:47:15 PM | 0.30 | 202 | 267 | 5 |
| 7/24/2012 7:48:15 PM | 0.30 | 202 | 268 | 5 |
| 7/24/2012 7:49:15 PM | 0.30 | 203 | 267 | 5 |
| 7/24/2012 7:50:15 PM | 0.30 | 203 | 266 | 5 |
| 7/24/2012 7:51:15 PM | 0.29 | 201 | 264 | 5 |
| 7/24/2012 7:52:15 PM | 0.29 | 201 | 264 | 5 |
| 7/24/2012 7:53:15 PM | 0.29 | 201 | 266 | 4 |
| 7/24/2012 7:54:15 PM | 0.27 | 200 | 267 | 4 |
| 7/24/2012 7:55:15 PM | 0.30 | 198 | 266 | 5 |
| 7/24/2012 7:56:15 PM | 0.29 | 198 | 267 | 5 |
| 7/24/2012 7:57:15 PM | 0.29 | 196 | 265 | 5 |
| 7/24/2012 7:58:15 PM | 0.29 | 194 | 261 | 5 |
| 7/24/2012 7:59:15 PM | 0.30 | 195 | 262 | 5 |
| 7/24/2012 8:00:15 PM | 0.30 | 198 | 258 | 5 |
| 7/24/2012 8:01:15 PM | 0.30 | 200 | 259 | 5 |
| 7/24/2012 8:02:15 PM | 0.30 | 201 | 261 | 5 |
| 7/24/2012 8:03:15 PM | 0.29 | 201 | 261 | 5 |
| 7/24/2012 8:04:15 PM | 0.30 | 202 | 260 | 5 |
| 7/24/2012 8:05:15 PM | 0.30 | 203 | 263 | 5 |
| 7/24/2012 8:06:15 PM | 0.30 | 204 | 262 | 5 |
| 7/24/2012 8:07:15 PM | 0.30 | 204 | 262 | 5 |
| 7/24/2012 8:08:15 PM | 0.29 | 205 | 262 | 5 |
| 7/24/2012 8:09:15 PM | 0.30 | 206 | 261 | 5 |
| 7/24/2012 8:10:15 PM | 0.30 | 206 | 261 | 5 |
| 7/24/2012 8:11:15 PM | 0.30 | 204 | 262 | 5 |
| 7/24/2012 8:12:15 PM | 0.30 | 203 | 261 | 5 |
| 7/24/2012 8:13:15 PM | 0.30 | 204 | 261 | 5 |
| 7/24/2012 8:14:15 PM | 0.30 | 204 | 262 | 5 |
| 7/24/2012 8:15:15 PM | 0.30 | 205 | 262 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 8:16:15 PM | 0.30 | 205 | 262 | 6 |
| 7/24/2012 8:17:15 PM | 0.30 | 204 | 262 | 6 |
| 7/24/2012 8:18:15 PM | 0.30 | 204 | 261 | 6 |
| 7/24/2012 8:19:15 PM | 0.30 | 204 | 262 | 6 |
| 7/24/2012 8:20:15 PM | 0.30 | 204 | 262 | 5 |
| 7/24/2012 8:21:15 PM | 0.30 | 203 | 262 | 5 |
| 7/24/2012 8:22:15 PM | 0.30 | 204 | 261 | 5 |
| 7/24/2012 8:23:15 PM | 0.30 | 202 | 262 | 5 |
| 7/24/2012 8:24:15 PM | 0.30 | 203 | 261 | 5 |
| 7/24/2012 8:25:15 PM | 0.30 | 203 | 258 | 5 |
| 7/24/2012 8:26:15 PM | 0.30 | 203 | 257 | 5 |
| 7/24/2012 8:27:15 PM | 0.30 | 203 | 257 | 5 |
| 7/24/2012 8:28:15 PM | 0.30 | 202 | 258 | 5 |
| 7/24/2012 8:29:15 PM | 0.30 | 203 | 258 | 5 |
| 7/24/2012 8:30:15 PM | 0.30 | 202 | 257 | 5 |
| 7/24/2012 8:31:15 PM | 0.30 | 202 | 257 | 5 |
| 7/24/2012 8:32:15 PM | 0.29 | 201 | 257 | 5 |
| 7/24/2012 8:33:15 PM | 0.30 | 201 | 255 | 5 |
| 7/24/2012 8:34:15 PM | 0.30 | 201 | 257 | 5 |
| 7/24/2012 8:35:15 PM | 0.29 | 201 | 256 | 5 |
| 7/24/2012 8:36:15 PM | 0.29 | 200 | 256 | 5 |
| 7/24/2012 8:37:15 PM | 0.30 | 200 | 253 | 5 |
| 7/24/2012 8:38:15 PM | 0.29 | 200 | 254 | 5 |
| 7/24/2012 8:39:15 PM | 0.29 | 198 | 253 | 5 |
| 7/24/2012 8:40:15 PM | 0.29 | 198 | 254 | 5 |
| 7/24/2012 8:41:15 PM | 0.29 | 198 | 254 | 5 |
| 7/24/2012 8:42:15 PM | 0.29 | 198 | 254 | 5 |
| 7/24/2012 8:43:15 PM | 0.29 | 199 | 254 | 5 |
| 7/24/2012 8:44:15 PM | 0.29 | 199 | 255 | 5 |
| 7/24/2012 8:45:15 PM | 0.30 | 199 | 255 | 5 |
| 7/24/2012 8:46:15 PM | 0.30 | 200 | 256 | 5 |
| 7/24/2012 8:47:15 PM | 0.30 | 201 | 256 | 5 |
| 7/24/2012 8:48:15 PM | 0.29 | 200 | 255 | 5 |
| 7/24/2012 8:49:15 PM | 0.31 | 199 | 255 | 5 |
| 7/24/2012 8:50:15 PM | 0.31 | 200 | 255 | 5 |
| 7/24/2012 8:51:15 PM | 0.30 | 201 | 254 | 5 |
| 7/24/2012 8:52:15 PM | 0.30 | 202 | 254 | 5 |
| 7/24/2012 8:53:15 PM | 0.30 | 201 | 254 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 8:54:15 PM | 0.30 | 201 | 254 | 5 |
| 7/24/2012 8:55:15 PM | 0.30 | 202 | 251 | 5 |
| 7/24/2012 8:56:15 PM | 0.30 | 202 | 253 | 5 |
| 7/24/2012 8:57:15 PM | 0.30 | 202 | 254 | 5 |
| 7/24/2012 8:58:15 PM | 0.30 | 203 | 253 | 5 |
| 7/24/2012 8:59:15 PM | 0.30 | 204 | 253 | 5 |
| 7/24/2012 9:00:15 PM | 0.30 | 202 | 253 | 5 |
| 7/24/2012 9:01:15 PM | 0.30 | 203 | 253 | 5 |
| 7/24/2012 9:02:15 PM | 0.30 | 203 | 253 | 5 |
| 7/24/2012 9:03:15 PM | 0.30 | 201 | 253 | 5 |
| 7/24/2012 9:04:15 PM | 0.30 | 201 | 253 | 5 |
| 7/24/2012 9:05:15 PM | 0.30 | 201 | 253 | 5 |
| 7/24/2012 9:06:15 PM | 0.30 | 203 | 252 | 5 |
| 7/24/2012 9:07:15 PM | 0.30 | 205 | 252 | 5 |
| 7/24/2012 9:08:15 PM | 0.30 | 206 | 254 | 5 |
| 7/24/2012 9:09:15 PM | 0.30 | 206 | 253 | 5 |
| 7/24/2012 9:10:15 PM | 0.30 | 205 | 252 | 5 |
| 7/24/2012 9:11:15 PM | 0.30 | 204 | 254 | 5 |
| 7/24/2012 9:12:15 PM | 0.30 | 203 | 254 | 5 |
| 7/24/2012 9:13:15 PM | 0.30 | 202 | 252 | 5 |
| 7/24/2012 9:14:15 PM | 0.30 | 203 | 253 | 5 |
| 7/24/2012 9:15:15 PM | 0.30 | 203 | 254 | 5 |
| 7/24/2012 9:16:15 PM | 0.30 | 202 | 253 | 5 |
| 7/24/2012 9:17:15 PM | 0.30 | 202 | 253 | 5 |
| 7/24/2012 9:18:15 PM | 0.30 | 202 | 254 | 5 |
| 7/24/2012 9:19:15 PM | 0.30 | 202 | 252 | 5 |
| 7/24/2012 9:20:15 PM | 0.30 | 202 | 253 | 5 |
| 7/24/2012 9:21:15 PM | 0.30 | 202 | 251 | 5 |
| 7/24/2012 9:22:15 PM | 0.30 | 201 | 251 | 5 |
| 7/24/2012 9:23:15 PM | 0.30 | 201 | 252 | 5 |
| 7/24/2012 9:24:15 PM | 0.29 | 200 | 252 | 5 |
| 7/24/2012 9:25:15 PM | 0.30 | 201 | 251 | 5 |
| 7/24/2012 9:26:15 PM | 0.30 | 202 | 251 | 5 |
| 7/24/2012 9:27:15 PM | 0.30 | 201 | 250 | 5 |
| 7/24/2012 9:28:15 PM | 0.30 | 201 | 247 | 5 |
| 7/24/2012 9:29:15 PM | 0.30 | 201 | 247 | 5 |
| 7/24/2012 9:30:15 PM | 0.30 | 202 | 248 | 5 |
| 7/24/2012 9:31:15 PM | 0.30 | 202 | 248 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 9:32:15 PM | 0.30 | 202 | 248 | 5 |
| 7/24/2012 9:33:15 PM | 0.30 | 201 | 248 | 5 |
| 7/24/2012 9:34:15 PM | 0.30 | 201 | 248 | 5 |
| 7/24/2012 9:35:15 PM | 0.30 | 200 | 248 | 4 |
| 7/24/2012 9:36:15 PM | 0.30 | 201 | 246 | 4 |
| 7/24/2012 9:37:15 PM | 0.30 | 200 | 245 | 5 |
| 7/24/2012 9:38:15 PM | 0.30 | 201 | 247 | 5 |
| 7/24/2012 9:39:15 PM | 0.30 | 202 | 247 | 5 |
| 7/24/2012 9:40:15 PM | 0.30 | 202 | 246 | 5 |
| 7/24/2012 9:41:15 PM | 0.29 | 202 | 244 | 5 |
| 7/24/2012 9:42:15 PM | 0.31 | 202 | 244 | 5 |
| 7/24/2012 9:43:15 PM | 0.30 | 202 | 246 | 5 |
| 7/24/2012 9:44:15 PM | 0.30 | 203 | 246 | 5 |
| 7/24/2012 9:45:15 PM | 0.30 | 203 | 247 | 5 |
| 7/24/2012 9:46:15 PM | 0.30 | 203 | 246 | 5 |
| 7/24/2012 9:47:15 PM | 0.30 | 201 | 247 | 5 |
| 7/24/2012 9:48:15 PM | 0.30 | 202 | 245 | 5 |
| 7/24/2012 9:49:15 PM | 0.30 | 202 | 245 | 5 |
| 7/24/2012 9:50:15 PM | 0.30 | 201 | 246 | 5 |
| 7/24/2012 9:51:15 PM | 0.30 | 202 | 246 | 5 |
| 7/24/2012 9:52:15 PM | 0.30 | 203 | 246 | 5 |
| 7/24/2012 9:53:15 PM | 0.29 | 200 | 247 | 4 |
| 7/24/2012 9:54:15 PM | 0.30 | 200 | 246 | 4 |
| 7/24/2012 9:55:15 PM | 0.30 | 201 | 246 | 5 |
| 7/24/2012 9:56:15 PM | 0.30 | 202 | 245 | 5 |
| 7/24/2012 9:57:15 PM | 0.30 | 202 | 247 | 5 |
| 7/24/2012 9:58:15 PM | 0.30 | 202 | 247 | 5 |
| 7/24/2012 9:59:15 PM | 0.30 | 202 | 246 | 5 |
| 7/24/2012 10:00:15 PM | 0.30 | 203 | 245 | 5 |
| 7/24/2012 10:01:15 PM | 0.30 | 203 | 245 | 5 |
| 7/24/2012 10:02:15 PM | 0.30 | 203 | 244 | 5 |
| 7/24/2012 10:03:15 PM | 0.30 | 204 | 242 | 5 |
| 7/24/2012 10:04:15 PM | 0.30 | 204 | 242 | 5 |
| 7/24/2012 10:05:15 PM | 0.30 | 205 | 242 | 5 |
| 7/24/2012 10:06:15 PM | 0.30 | 204 | 243 | 5 |
| 7/24/2012 10:07:15 PM | 0.30 | 203 | 244 | 5 |
| 7/24/2012 10:08:15 PM | 0.30 | 205 | 244 | 5 |
| 7/24/2012 10:09:15 PM | 0.30 | 205 | 245 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 10:10:15 PM | 0.30 | 204 | 245 | 5 |
| 7/24/2012 10:11:15 PM | 0.30 | 205 | 246 | 5 |
| 7/24/2012 10:12:15 PM | 0.30 | 204 | 243 | 5 |
| 7/24/2012 10:13:15 PM | 0.30 | 205 | 244 | 5 |
| 7/24/2012 10:14:15 PM | 0.31 | 205 | 246 | 5 |
| 7/24/2012 10:15:15 PM | 0.30 | 205 | 245 | 5 |
| 7/24/2012 10:16:15 PM | 0.30 | 205 | 245 | 5 |
| 7/24/2012 10:17:15 PM | 0.30 | 204 | 244 | 5 |
| 7/24/2012 10:18:15 PM | 0.30 | 204 | 244 | 5 |
| 7/24/2012 10:19:15 PM | 0.30 | 204 | 244 | 5 |
| 7/24/2012 10:20:15 PM | 0.30 | 204 | 245 | 5 |
| 7/24/2012 10:21:15 PM | 0.31 | 204 | 244 | 5 |
| 7/24/2012 10:22:15 PM | 0.30 | 204 | 242 | 5 |
| 7/24/2012 10:23:15 PM | 0.30 | 204 | 242 | 5 |
| 7/24/2012 10:24:15 PM | 0.30 | 203 | 242 | 5 |
| 7/24/2012 10:25:15 PM | 0.30 | 203 | 242 | 5 |
| 7/24/2012 10:26:15 PM | 0.30 | 204 | 242 | 4 |
| 7/24/2012 10:27:15 PM | 0.31 | 204 | 242 | 4 |
| 7/24/2012 10:28:15 PM | 0.30 | 204 | 241 | 4 |
| 7/24/2012 10:29:15 PM | 0.30 | 204 | 242 | 4 |
| 7/24/2012 10:30:15 PM | 0.30 | 206 | 240 | 4 |
| 7/24/2012 10:31:15 PM | 0.30 | 205 | 240 | 5 |
| 7/24/2012 10:32:15 PM | 0.30 | 205 | 240 | 5 |
| 7/24/2012 10:33:15 PM | 0.30 | 206 | 242 | 5 |
| 7/24/2012 10:34:15 PM | 0.30 | 205 | 240 | 5 |
| 7/24/2012 10:35:15 PM | 0.30 | 205 | 240 | 4 |
| 7/24/2012 10:36:15 PM | 0.30 | 205 | 240 | 4 |
| 7/24/2012 10:37:15 PM | 0.30 | 206 | 239 | 5 |
| 7/24/2012 10:38:15 PM | 0.30 | 206 | 240 | 5 |
| 7/24/2012 10:39:15 PM | 0.30 | 207 | 238 | 5 |
| 7/24/2012 10:40:15 PM | 0.30 | 207 | 238 | 5 |
| 7/24/2012 10:41:15 PM | 0.29 | 207 | 238 | 4 |
| 7/24/2012 10:42:15 PM | 0.30 | 207 | 238 | 4 |
| 7/24/2012 10:43:15 PM | 0.30 | 207 | 237 | 4 |
| 7/24/2012 10:44:15 PM | 0.30 | 207 | 238 | 4 |
| 7/24/2012 10:45:15 PM | 0.30 | 207 | 238 | 4 |
| 7/24/2012 10:46:15 PM | 0.30 | 207 | 237 | 5 |
| 7/24/2012 10:47:15 PM | 0.30 | 206 | 236 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 10:48:15 PM | 0.30 | 206 | 238 | 5 |
| 7/24/2012 10:49:15 PM | 0.30 | 206 | 237 | 5 |
| 7/24/2012 10:50:15 PM | 0.30 | 206 | 237 | 5 |
| 7/24/2012 10:51:15 PM | 0.30 | 207 | 238 | 5 |
| 7/24/2012 10:52:15 PM | 0.30 | 208 | 237 | 5 |
| 7/24/2012 10:53:15 PM | 0.30 | 207 | 238 | 4 |
| 7/24/2012 10:54:15 PM | 0.30 | 207 | 238 | 4 |
| 7/24/2012 10:55:15 PM | 0.30 | 207 | 237 | 5 |
| 7/24/2012 10:56:15 PM | 0.30 | 206 | 237 | 5 |
| 7/24/2012 10:57:15 PM | 0.30 | 207 | 238 | 5 |
| 7/24/2012 10:58:15 PM | 0.31 | 207 | 238 | 5 |
| 7/24/2012 10:59:15 PM | 0.30 | 206 | 238 | 5 |
| 7/24/2012 11:00:15 PM | 0.30 | 207 | 238 | 5 |
| 7/24/2012 11:01:15 PM | 0.30 | 207 | 236 | 5 |
| 7/24/2012 11:02:15 PM | 0.30 | 206 | 237 | 5 |
| 7/24/2012 11:03:15 PM | 0.30 | 206 | 237 | 5 |
| 7/24/2012 11:04:15 PM | 0.30 | 206 | 238 | 5 |
| 7/24/2012 11:05:15 PM | 0.30 | 206 | 239 | 4 |
| 7/24/2012 11:06:15 PM | 0.30 | 207 | 238 | 4 |
| 7/24/2012 11:07:15 PM | 0.30 | 208 | 238 | 4 |
| 7/24/2012 11:08:15 PM | 0.30 | 207 | 237 | 4 |
| 7/24/2012 11:09:15 PM | 0.30 | 208 | 238 | 4 |
| 7/24/2012 11:10:15 PM | 0.30 | 208 | 238 | 4 |
| 7/24/2012 11:11:15 PM | 0.30 | 207 | 240 | 4 |
| 7/24/2012 11:12:15 PM | 0.30 | 207 | 238 | 4 |
| 7/24/2012 11:13:15 PM | 0.31 | 206 | 241 | 4 |
| 7/24/2012 11:14:15 PM | 0.30 | 205 | 241 | 4 |
| 7/24/2012 11:15:15 PM | 0.30 | 205 | 240 | 4 |
| 7/24/2012 11:16:15 PM | 0.30 | 205 | 239 | 4 |
| 7/24/2012 11:17:15 PM | 0.30 | 206 | 238 | 4 |
| 7/24/2012 11:18:15 PM | 0.30 | 206 | 238 | 4 |
| 7/24/2012 11:19:15 PM | 0.30 | 208 | 238 | 4 |
| 7/24/2012 11:20:15 PM | 0.30 | 206 | 237 | 4 |
| 7/24/2012 11:21:15 PM | 0.30 | 206 | 237 | 4 |
| 7/24/2012 11:22:15 PM | 0.30 | 206 | 236 | 4 |
| 7/24/2012 11:23:15 PM | 0.30 | 206 | 237 | 4 |
| 7/24/2012 11:24:15 PM | 0.30 | 206 | 235 | 4 |
| 7/24/2012 11:25:15 PM | 0.30 | 207 | 236 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **24-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **24-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/24/2012 11:26:15 PM | 0.30 | 206 | 237 | 4 |
| 7/24/2012 11:27:15 PM | 0.30 | 206 | 236 | 4 |
| 7/24/2012 11:28:15 PM | 0.30 | 206 | 236 | 4 |
| 7/24/2012 11:29:15 PM | 0.30 | 205 | 236 | 4 |
| 7/24/2012 11:30:15 PM | 0.30 | 204 | 236 | 4 |
| 7/24/2012 11:31:15 PM | 0.30 | 204 | 236 | 5 |
| 7/24/2012 11:32:15 PM | 0.30 | 204 | 234 | 5 |
| 7/24/2012 11:33:15 PM | 0.30 | 204 | 234 | 5 |
| 7/24/2012 11:34:15 PM | 0.30 | 205 | 235 | 5 |
| 7/24/2012 11:35:15 PM | 0.30 | 206 | 236 | 4 |
| 7/24/2012 11:36:15 PM | 0.31 | 206 | 234 | 4 |
| 7/24/2012 11:37:15 PM | 0.30 | 205 | 235 | 4 |
| 7/24/2012 11:38:15 PM | 0.31 | 206 | 234 | 4 |
| 7/24/2012 11:39:15 PM | 0.30 | 206 | 234 | 4 |
| 7/24/2012 11:40:15 PM | 0.30 | 207 | 236 | 4 |
| 7/24/2012 11:41:15 PM | 0.30 | 207 | 235 | 4 |
| 7/24/2012 11:42:15 PM | 0.30 | 207 | 234 | 4 |
| 7/24/2012 11:43:15 PM | 0.30 | 208 | 235 | 4 |
| 7/24/2012 11:44:15 PM | 0.30 | 208 | 235 | 4 |
| 7/24/2012 11:45:15 PM | 0.31 | 207 | 235 | 4 |
| 7/24/2012 11:46:15 PM | 0.30 | 207 | 236 | 4 |
| 7/24/2012 11:47:15 PM | 0.30 | 207 | 237 | 4 |
| 7/24/2012 11:48:15 PM | 0.30 | 207 | 237 | 4 |
| 7/24/2012 11:49:15 PM | 0.30 | 207 | 236 | 4 |
| 7/24/2012 11:50:15 PM | 0.30 | 207 | 237 | 4 |
| 7/24/2012 11:51:15 PM | 0.30 | 207 | 237 | 4 |
| 7/24/2012 11:52:15 PM | 0.30 | 208 | 235 | 4 |
| 7/24/2012 11:53:15 PM | 0.30 | 207 | 234 | 4 |
| 7/24/2012 11:54:15 PM | 0.31 | 208 | 234 | 4 |
| 7/24/2012 11:55:15 PM | 0.31 | 208 | 233 | 4 |
| 7/24/2012 11:56:15 PM | 0.30 | 207 | 234 | 4 |
| 7/24/2012 11:57:15 PM | 0.30 | 207 | 235 | 4 |
| 7/24/2012 11:58:15 PM | 0.30 | 207 | 234 | 4 |
| 7/24/2012 11:59:15 PM | 0.30 | 207 | 234 | 4 |
| Averages | 0.29 | 216 | 340 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 0:00:15 AM | 0.30 | 207 | 233 | 4 |
| 7/25/2012 0:01:15 AM | 0.30 | 207 | 233 | 4 |
| 7/25/2012 0:02:15 AM | 0.30 | 207 | 234 | 4 |
| 7/25/2012 0:03:15 AM | 0.30 | 207 | 232 | 4 |
| 7/25/2012 0:04:15 AM | 0.30 | 208 | 233 | 4 |
| 7/25/2012 0:05:15 AM | 0.30 | 208 | 236 | 4 |
| 7/25/2012 0:06:15 AM | 0.30 | 207 | 233 | 4 |
| 7/25/2012 0:07:15 AM | 0.30 | 207 | 233 | 4 |
| 7/25/2012 0:08:15 AM | 0.30 | 207 | 233 | 3 |
| 7/25/2012 0:09:15 AM | 0.30 | 207 | 233 | 3 |
| 7/25/2012 0:10:15 AM | 0.30 | 207 | 232 | 4 |
| 7/25/2012 0:11:15 AM | 0.30 | 207 | 233 | 4 |
| 7/25/2012 0:12:15 AM | 0.30 | 207 | 234 | 4 |
| 7/25/2012 0:13:15 AM | 0.30 | 207 | 235 | 4 |
| 7/25/2012 0:14:15 AM | 0.30 | 208 | 236 | 4 |
| 7/25/2012 0:15:15 AM | 0.30 | 207 | 237 | 4 |
| 7/25/2012 0:16:15 AM | 0.30 | 207 | 235 | 4 |
| 7/25/2012 0:17:15 AM | 0.30 | 207 | 235 | 4 |
| 7/25/2012 0:18:15 AM | 0.30 | 207 | 235 | 4 |
| 7/25/2012 0:19:15 AM | 0.30 | 207 | 233 | 4 |
| 7/25/2012 0:20:15 AM | 0.30 | 208 | 232 | 4 |
| 7/25/2012 0:21:15 AM | 0.30 | 209 | 233 | 4 |
| 7/25/2012 0:22:15 AM | 0.30 | 209 | 233 | 4 |
| 7/25/2012 0:23:15 AM | 0.30 | 209 | 235 | 4 |
| 7/25/2012 0:24:15 AM | 0.30 | 208 | 234 | 4 |
| 7/25/2012 0:25:15 AM | 0.30 | 209 | 234 | 4 |
| 7/25/2012 0:26:15 AM | 0.30 | 209 | 234 | 4 |
| 7/25/2012 0:27:15 AM | 0.30 | 209 | 236 | 4 |
| 7/25/2012 0:28:15 AM | 0.30 | 209 | 236 | 4 |
| 7/25/2012 0:29:15 AM | 0.30 | 208 | 235 | 4 |
| 7/25/2012 0:30:15 AM | 0.30 | 208 | 235 | 4 |
| 7/25/2012 0:31:15 AM | 0.31 | 208 | 233 | 4 |
| 7/25/2012 0:32:15 AM | 0.31 | 208 | 235 | 4 |
| 7/25/2012 0:33:15 AM | 0.30 | 207 | 234 | 4 |
| 7/25/2012 0:34:15 AM | 0.30 | 207 | 234 | 4 |
| 7/25/2012 0:35:15 AM | 0.30 | 208 | 235 | 3 |
| 7/25/2012 0:36:15 AM | 0.30 | 208 | 236 | 3 |
| 7/25/2012 0:37:15 AM | 0.31 | 209 | 233 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 0:38:15 AM | 0.30 | 209 | 236 | 3 |
| 7/25/2012 0:39:15 AM | 0.30 | 208 | 238 | 3 |
| 7/25/2012 0:40:15 AM | 0.30 | 208 | 238 | 4 |
| 7/25/2012 0:41:15 AM | 0.30 | 207 | 239 | 4 |
| 7/25/2012 0:42:15 AM | 0.30 | 207 | 239 | 4 |
| 7/25/2012 0:43:15 AM | 0.30 | 207 | 242 | 4 |
| 7/25/2012 0:44:15 AM | 0.30 | 207 | 244 | 3 |
| 7/25/2012 0:45:15 AM | 0.31 | 206 | 246 | 4 |
| 7/25/2012 0:46:15 AM | 0.30 | 206 | 246 | 4 |
| 7/25/2012 0:47:15 AM | 0.31 | 206 | 247 | 3 |
| 7/25/2012 0:48:15 AM | 0.30 | 205 | 248 | 4 |
| 7/25/2012 0:49:15 AM | 0.31 | 204 | 249 | 3 |
| 7/25/2012 0:50:15 AM | 0.30 | 205 | 249 | 3 |
| 7/25/2012 0:51:15 AM | 0.30 | 206 | 251 | 3 |
| 7/25/2012 0:52:15 AM | 0.30 | 205 | 252 | 3 |
| 7/25/2012 0:53:15 AM | 0.31 | 205 | 252 | 3 |
| 7/25/2012 0:54:15 AM | 0.31 | 205 | 251 | 3 |
| 7/25/2012 0:55:15 AM | 0.31 | 205 | 252 | 3 |
| 7/25/2012 0:56:15 AM | 0.30 | 205 | 256 | 3 |
| 7/25/2012 0:57:15 AM | 0.30 | 205 | 258 | 3 |
| 7/25/2012 0:58:15 AM | 0.31 | 206 | 257 | 3 |
| 7/25/2012 0:59:15 AM | 0.31 | 205 | 256 | 4 |
| 7/25/2012 1:00:15 AM | 0.31 | 205 | 253 | 4 |
| 7/25/2012 1:01:15 AM | 0.31 | 204 | 253 | 4 |
| 7/25/2012 1:02:15 AM | 0.31 | 204 | 254 | 4 |
| 7/25/2012 1:03:15 AM | 0.31 | 205 | 253 | 4 |
| 7/25/2012 1:04:15 AM | 0.30 | 204 | 252 | 4 |
| 7/25/2012 1:05:15 AM | 0.31 | 205 | 251 | 4 |
| 7/25/2012 1:06:15 AM | 0.31 | 205 | 251 | 4 |
| 7/25/2012 1:07:15 AM | 0.30 | 204 | 252 | 4 |
| 7/25/2012 1:08:15 AM | 0.30 | 205 | 251 | 4 |
| 7/25/2012 1:09:15 AM | 0.31 | 205 | 249 | 4 |
| 7/25/2012 1:10:15 AM | 0.31 | 204 | 248 | 4 |
| 7/25/2012 1:11:15 AM | 0.30 | 204 | 247 | 4 |
| 7/25/2012 1:12:15 AM | 0.31 | 205 | 247 | 4 |
| 7/25/2012 1:13:15 AM | 0.31 | 206 | 247 | 4 |
| 7/25/2012 1:14:15 AM | 0.30 | 205 | 248 | 4 |
| 7/25/2012 1:15:15 AM | 0.31 | 204 | 245 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 1:16:15 AM | 0.31 | 204 | 246 | 4 |
| 7/25/2012 1:17:15 AM | 0.30 | 204 | 245 | 4 |
| 7/25/2012 1:18:15 AM | 0.31 | 204 | 245 | 4 |
| 7/25/2012 1:19:15 AM | 0.31 | 205 | 243 | 4 |
| 7/25/2012 1:20:15 AM | 0.30 | 204 | 243 | 4 |
| 7/25/2012 1:21:15 AM | 0.30 | 206 | 243 | 4 |
| 7/25/2012 1:22:15 AM | 0.30 | 205 | 243 | 4 |
| 7/25/2012 1:23:15 AM | 0.30 | 204 | 243 | 4 |
| 7/25/2012 1:24:15 AM | 0.30 | 204 | 243 | 4 |
| 7/25/2012 1:25:15 AM | 0.31 | 204 | 243 | 4 |
| 7/25/2012 1:26:15 AM | 0.30 | 203 | 243 | 4 |
| 7/25/2012 1:27:15 AM | 0.30 | 203 | 244 | 4 |
| 7/25/2012 1:28:15 AM | 0.31 | 203 | 241 | 4 |
| 7/25/2012 1:29:15 AM | 0.31 | 203 | 243 | 4 |
| 7/25/2012 1:30:15 AM | 0.31 | 203 | 241 | 4 |
| 7/25/2012 1:31:15 AM | 0.30 | 203 | 241 | 4 |
| 7/25/2012 1:32:15 AM | 0.31 | 203 | 240 | 4 |
| 7/25/2012 1:33:15 AM | 0.31 | 203 | 238 | 4 |
| 7/25/2012 1:34:15 AM | 0.30 | 203 | 238 | 4 |
| 7/25/2012 1:35:15 AM | 0.31 | 203 | 239 | 4 |
| 7/25/2012 1:36:15 AM | 0.30 | 202 | 238 | 4 |
| 7/25/2012 1:37:15 AM | 0.31 | 202 | 238 | 4 |
| 7/25/2012 1:38:15 AM | 0.31 | 203 | 238 | 3 |
| 7/25/2012 1:39:15 AM | 0.31 | 203 | 239 | 3 |
| 7/25/2012 1:40:15 AM | 0.31 | 203 | 238 | 4 |
| 7/25/2012 1:41:15 AM | 0.31 | 203 | 237 | 4 |
| 7/25/2012 1:42:15 AM | 0.31 | 202 | 237 | 4 |
| 7/25/2012 1:43:15 AM | 0.31 | 203 | 237 | 4 |
| 7/25/2012 1:44:15 AM | 0.31 | 203 | 238 | 4 |
| 7/25/2012 1:45:15 AM | 0.31 | 203 | 236 | 4 |
| 7/25/2012 1:46:15 AM | 0.30 | 203 | 235 | 4 |
| 7/25/2012 1:47:15 AM | 0.31 | 202 | 236 | 4 |
| 7/25/2012 1:48:15 AM | 0.30 | 202 | 235 | 4 |
| 7/25/2012 1:49:15 AM | 0.31 | 202 | 237 | 4 |
| 7/25/2012 1:50:15 AM | 0.31 | 202 | 239 | 3 |
| 7/25/2012 1:51:15 AM | 0.31 | 202 | 238 | 3 |
| 7/25/2012 1:52:15 AM | 0.31 | 203 | 239 | 3 |
| 7/25/2012 1:53:15 AM | 0.31 | 204 | 240 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 1:54:15 AM | 0.31 | 204 | 241 | 3 |
| 7/25/2012 1:55:15 AM | 0.31 | 204 | 242 | 4 |
| 7/25/2012 1:56:15 AM | 0.31 | 204 | 242 | 4 |
| 7/25/2012 1:57:15 AM | 0.31 | 204 | 243 | 4 |
| 7/25/2012 1:58:15 AM | 0.30 | 204 | 243 | 4 |
| 7/25/2012 1:59:15 AM | 0.30 | 204 | 243 | 3 |
| 7/25/2012 2:00:15 AM | 0.30 | 203 | 244 | 3 |
| 7/25/2012 2:01:15 AM | 0.31 | 202 | 246 | 3 |
| 7/25/2012 2:02:15 AM | 0.31 | 202 | 247 | 3 |
| 7/25/2012 2:03:15 AM | 0.31 | 203 | 246 | 3 |
| 7/25/2012 2:04:15 AM | 0.30 | 203 | 248 | 3 |
| 7/25/2012 2:05:15 AM | 0.30 | 203 | 248 | 3 |
| 7/25/2012 2:06:15 AM | 0.31 | 202 | 250 | 3 |
| 7/25/2012 2:07:15 AM | 0.30 | 202 | 251 | 3 |
| 7/25/2012 2:08:15 AM | 0.31 | 202 | 252 | 3 |
| 7/25/2012 2:09:15 AM | 0.30 | 203 | 252 | 3 |
| 7/25/2012 2:10:15 AM | 0.30 | 204 | 252 | 4 |
| 7/25/2012 2:11:15 AM | 0.31 | 203 | 254 | 4 |
| 7/25/2012 2:12:15 AM | 0.31 | 205 | 252 | 4 |
| 7/25/2012 2:13:15 AM | 0.31 | 205 | 251 | 4 |
| 7/25/2012 2:14:15 AM | 0.31 | 205 | 252 | 4 |
| 7/25/2012 2:15:15 AM | 0.31 | 206 | 251 | 4 |
| 7/25/2012 2:16:15 AM | 0.31 | 205 | 251 | 4 |
| 7/25/2012 2:17:15 AM | 0.30 | 206 | 248 | 3 |
| 7/25/2012 2:18:15 AM | 0.31 | 206 | 249 | 3 |
| 7/25/2012 2:19:15 AM | 0.30 | 205 | 248 | 4 |
| 7/25/2012 2:20:15 AM | 0.31 | 205 | 248 | 4 |
| 7/25/2012 2:21:15 AM | 0.30 | 204 | 248 | 4 |
| 7/25/2012 2:22:15 AM | 0.30 | 204 | 248 | 4 |
| 7/25/2012 2:23:15 AM | 0.30 | 203 | 247 | 4 |
| 7/25/2012 2:24:15 AM | 0.30 | 204 | 245 | 4 |
| 7/25/2012 2:25:15 AM | 0.31 | 204 | 245 | 4 |
| 7/25/2012 2:26:15 AM | 0.30 | 205 | 245 | 4 |
| 7/25/2012 2:27:15 AM | 0.30 | 204 | 245 | 4 |
| 7/25/2012 2:28:15 AM | 0.31 | 204 | 246 | 4 |
| 7/25/2012 2:29:15 AM | 0.30 | 205 | 243 | 3 |
| 7/25/2012 2:30:15 AM | 0.30 | 204 | 242 | 3 |
| 7/25/2012 2:31:15 AM | 0.31 | 204 | 243 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 2:32:15 AM | 0.31 | 204 | 242 | 4 |
| 7/25/2012 2:33:15 AM | 0.31 | 204 | 242 | 4 |
| 7/25/2012 2:34:15 AM | 0.30 | 204 | 241 | 4 |
| 7/25/2012 2:35:15 AM | 0.31 | 204 | 241 | 4 |
| 7/25/2012 2:36:15 AM | 0.30 | 204 | 242 | 4 |
| 7/25/2012 2:37:15 AM | 0.31 | 204 | 241 | 4 |
| 7/25/2012 2:38:15 AM | 0.30 | 203 | 239 | 4 |
| 7/25/2012 2:39:15 AM | 0.30 | 202 | 238 | 4 |
| 7/25/2012 2:40:15 AM | 0.30 | 202 | 237 | 4 |
| 7/25/2012 2:41:15 AM | 0.30 | 203 | 235 | 4 |
| 7/25/2012 2:42:15 AM | 0.30 | 203 | 234 | 4 |
| 7/25/2012 2:43:15 AM | 0.30 | 202 | 234 | 4 |
| 7/25/2012 2:44:15 AM | 0.31 | 203 | 236 | 4 |
| 7/25/2012 2:45:15 AM | 0.31 | 202 | 235 | 4 |
| 7/25/2012 2:46:15 AM | 0.30 | 203 | 234 | 4 |
| 7/25/2012 2:47:15 AM | 0.30 | 203 | 234 | 4 |
| 7/25/2012 2:48:15 AM | 0.31 | 203 | 235 | 4 |
| 7/25/2012 2:49:15 AM | 0.30 | 203 | 233 | 4 |
| 7/25/2012 2:50:15 AM | 0.30 | 203 | 236 | 4 |
| 7/25/2012 2:51:15 AM | 0.30 | 202 | 235 | 4 |
| 7/25/2012 2:52:15 AM | 0.31 | 202 | 233 | 4 |
| 7/25/2012 2:53:15 AM | 0.31 | 202 | 234 | 4 |
| 7/25/2012 2:54:15 AM | 0.30 | 202 | 233 | 4 |
| 7/25/2012 2:55:15 AM | 0.30 | 201 | 234 | 4 |
| 7/25/2012 2:56:15 AM | 0.30 | 202 | 235 | 4 |
| 7/25/2012 2:57:15 AM | 0.31 | 204 | 237 | 4 |
| 7/25/2012 2:58:15 AM | 0.30 | 203 | 237 | 4 |
| 7/25/2012 2:59:15 AM | 0.30 | 203 | 239 | 3 |
| 7/25/2012 3:00:15 AM | 0.31 | 204 | 239 | 3 |
| 7/25/2012 3:01:15 AM | 0.31 | 204 | 241 | 3 |
| 7/25/2012 3:02:15 AM | 0.30 | 204 | 241 | 3 |
| 7/25/2012 3:03:15 AM | 0.30 | 205 | 240 | 3 |
| 7/25/2012 3:04:15 AM | 0.30 | 204 | 240 | 3 |
| 7/25/2012 3:05:15 AM | 0.30 | 204 | 241 | 3 |
| 7/25/2012 3:06:15 AM | 0.30 | 204 | 242 | 3 |
| 7/25/2012 3:07:15 AM | 0.30 | 203 | 242 | 3 |
| 7/25/2012 3:08:15 AM | 0.30 | 204 | 243 | 3 |
| 7/25/2012 3:09:15 AM | 0.31 | 203 | 244 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 3:10:15 AM | 0.31 | 203 | 244 | 3 |
| 7/25/2012 3:11:15 AM | 0.30 | 203 | 246 | 3 |
| 7/25/2012 3:12:15 AM | 0.31 | 203 | 246 | 3 |
| 7/25/2012 3:13:15 AM | 0.31 | 202 | 248 | 3 |
| 7/25/2012 3:14:15 AM | 0.31 | 201 | 247 | 3 |
| 7/25/2012 3:15:15 AM | 0.31 | 201 | 248 | 3 |
| 7/25/2012 3:16:15 AM | 0.31 | 201 | 247 | 4 |
| 7/25/2012 3:17:15 AM | 0.31 | 202 | 249 | 4 |
| 7/25/2012 3:18:15 AM | 0.30 | 202 | 248 | 4 |
| 7/25/2012 3:19:15 AM | 0.30 | 203 | 249 | 4 |
| 7/25/2012 3:20:15 AM | 0.30 | 204 | 249 | 3 |
| 7/25/2012 3:21:15 AM | 0.31 | 203 | 251 | 3 |
| 7/25/2012 3:22:15 AM | 0.30 | 203 | 250 | 4 |
| 7/25/2012 3:23:15 AM | 0.31 | 203 | 248 | 4 |
| 7/25/2012 3:24:15 AM | 0.30 | 203 | 248 | 4 |
| 7/25/2012 3:25:15 AM | 0.30 | 203 | 246 | 4 |
| 7/25/2012 3:26:15 AM | 0.30 | 204 | 245 | 4 |
| 7/25/2012 3:27:15 AM | 0.30 | 205 | 243 | 4 |
| 7/25/2012 3:28:15 AM | 0.30 | 205 | 243 | 4 |
| 7/25/2012 3:29:15 AM | 0.30 | 206 | 244 | 4 |
| 7/25/2012 3:30:15 AM | 0.30 | 205 | 244 | 4 |
| 7/25/2012 3:31:15 AM | 0.30 | 206 | 243 | 4 |
| 7/25/2012 3:32:15 AM | 0.31 | 207 | 244 | 4 |
| 7/25/2012 3:33:15 AM | 0.31 | 207 | 244 | 4 |
| 7/25/2012 3:34:15 AM | 0.30 | 206 | 242 | 4 |
| 7/25/2012 3:35:15 AM | 0.30 | 207 | 243 | 4 |
| 7/25/2012 3:36:15 AM | 0.31 | 207 | 243 | 4 |
| 7/25/2012 3:37:15 AM | 0.30 | 207 | 243 | 4 |
| 7/25/2012 3:38:15 AM | 0.31 | 207 | 242 | 4 |
| 7/25/2012 3:39:15 AM | 0.31 | 206 | 242 | 4 |
| 7/25/2012 3:40:15 AM | 0.30 | 206 | 240 | 4 |
| 7/25/2012 3:41:15 AM | 0.31 | 206 | 239 | 4 |
| 7/25/2012 3:42:15 AM | 0.30 | 205 | 241 | 4 |
| 7/25/2012 3:43:15 AM | 0.31 | 205 | 239 | 4 |
| 7/25/2012 3:44:15 AM | 0.30 | 206 | 240 | 3 |
| 7/25/2012 3:45:15 AM | 0.30 | 206 | 239 | 3 |
| 7/25/2012 3:46:15 AM | 0.30 | 205 | 241 | 4 |
| 7/25/2012 3:47:15 AM | 0.31 | 206 | 240 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 3:48:15 AM | 0.30 | 206 | 241 | 4 |
| 7/25/2012 3:49:15 AM | 0.30 | 207 | 243 | 4 |
| 7/25/2012 3:50:15 AM | 0.30 | 207 | 241 | 4 |
| 7/25/2012 3:51:15 AM | 0.31 | 206 | 240 | 4 |
| 7/25/2012 3:52:15 AM | 0.31 | 205 | 240 | 4 |
| 7/25/2012 3:53:15 AM | 0.31 | 204 | 241 | 4 |
| 7/25/2012 3:54:15 AM | 0.31 | 203 | 241 | 4 |
| 7/25/2012 3:55:15 AM | 0.30 | 203 | 242 | 4 |
| 7/25/2012 3:56:15 AM | 0.31 | 201 | 242 | 3 |
| 7/25/2012 3:57:15 AM | 0.31 | 202 | 242 | 3 |
| 7/25/2012 3:58:15 AM | 0.31 | 202 | 242 | 3 |
| 7/25/2012 3:59:15 AM | 0.31 | 201 | 243 | 3 |
| 7/25/2012 4:00:15 AM | 0.31 | 202 | 243 | 3 |
| 7/25/2012 4:01:15 AM | 0.30 | 202 | 242 | 3 |
| 7/25/2012 4:02:15 AM | 0.30 | 203 | 243 | 3 |
| 7/25/2012 4:03:15 AM | 0.31 | 203 | 243 | 3 |
| 7/25/2012 4:04:15 AM | 0.30 | 204 | 244 | 3 |
| 7/25/2012 4:05:15 AM | 0.30 | 204 | 245 | 3 |
| 7/25/2012 4:06:15 AM | 0.30 | 204 | 247 | 3 |
| 7/25/2012 4:07:15 AM | 0.31 | 203 | 246 | 3 |
| 7/25/2012 4:08:15 AM | 0.30 | 203 | 247 | 3 |
| 7/25/2012 4:09:15 AM | 0.30 | 204 | 247 | 3 |
| 7/25/2012 4:10:15 AM | 0.30 | 204 | 248 | 3 |
| 7/25/2012 4:11:15 AM | 0.31 | 204 | 248 | 3 |
| 7/25/2012 4:12:15 AM | 0.30 | 204 | 249 | 3 |
| 7/25/2012 4:13:15 AM | 0.30 | 204 | 250 | 3 |
| 7/25/2012 4:14:15 AM | 0.31 | 203 | 251 | 3 |
| 7/25/2012 4:15:15 AM | 0.31 | 202 | 250 | 3 |
| 7/25/2012 4:16:15 AM | 0.31 | 202 | 250 | 3 |
| 7/25/2012 4:17:15 AM | 0.31 | 202 | 250 | 3 |
| 7/25/2012 4:18:15 AM | 0.31 | 201 | 249 | 3 |
| 7/25/2012 4:19:15 AM | 0.30 | 202 | 249 | 4 |
| 7/25/2012 4:20:15 AM | 0.30 | 203 | 249 | 4 |
| 7/25/2012 4:21:15 AM | 0.31 | 205 | 248 | 4 |
| 7/25/2012 4:22:15 AM | 0.30 | 206 | 248 | 4 |
| 7/25/2012 4:23:15 AM | 0.30 | 207 | 249 | 3 |
| 7/25/2012 4:24:15 AM | 0.29 | 208 | 248 | 3 |
| 7/25/2012 4:25:15 AM | 0.29 | 210 | 247 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 4:26:15 AM | 0.29 | 210 | 248 | 4 |
| 7/25/2012 4:27:15 AM | 0.29 | 211 | 246 | 4 |
| 7/25/2012 4:28:15 AM | 0.29 | 210 | 246 | 4 |
| 7/25/2012 4:29:15 AM | 0.30 | 209 | 246 | 4 |
| 7/25/2012 4:30:15 AM | 0.30 | 208 | 247 | 4 |
| 7/25/2012 4:31:15 AM | 0.30 | 207 | 245 | 4 |
| 7/25/2012 4:32:15 AM | 0.30 | 206 | 243 | 4 |
| 7/25/2012 4:33:15 AM | 0.30 | 206 | 243 | 4 |
| 7/25/2012 4:34:15 AM | 0.30 | 206 | 242 | 4 |
| 7/25/2012 4:35:15 AM | 0.30 | 206 | 243 | 4 |
| 7/25/2012 4:36:15 AM | 0.30 | 205 | 243 | 4 |
| 7/25/2012 4:37:15 AM | 0.30 | 205 | 241 | 4 |
| 7/25/2012 4:38:15 AM | 0.30 | 204 | 239 | 4 |
| 7/25/2012 4:39:15 AM | 0.30 | 203 | 239 | 4 |
| 7/25/2012 4:40:15 AM | 0.30 | 204 | 237 | 4 |
| 7/25/2012 4:41:15 AM | 0.30 | 205 | 238 | 4 |
| 7/25/2012 4:42:15 AM | 0.30 | 204 | 238 | 4 |
| 7/25/2012 4:43:15 AM | 0.30 | 204 | 236 | 4 |
| 7/25/2012 4:44:15 AM | 0.31 | 204 | 237 | 4 |
| 7/25/2012 4:45:15 AM | 0.30 | 203 | 236 | 4 |
| 7/25/2012 4:46:15 AM | 0.30 | 203 | 237 | 4 |
| 7/25/2012 4:47:15 AM | 0.30 | 203 | 237 | 4 |
| 7/25/2012 4:48:15 AM | 0.30 | 203 | 237 | 4 |
| 7/25/2012 4:49:15 AM | 0.31 | 204 | 238 | 4 |
| 7/25/2012 4:50:15 AM | 0.31 | 204 | 239 | 4 |
| 7/25/2012 4:51:15 AM | 0.31 | 204 | 239 | 4 |
| 7/25/2012 4:52:15 AM | 0.30 | 205 | 241 | 4 |
| 7/25/2012 4:53:15 AM | 0.30 | 204 | 242 | 3 |
| 7/25/2012 4:54:15 AM | 0.30 | 205 | 242 | 3 |
| 7/25/2012 4:55:15 AM | 0.30 | 205 | 242 | 3 |
| 7/25/2012 4:56:15 AM | 0.30 | 205 | 247 | 3 |
| 7/25/2012 4:57:15 AM | 0.30 | 204 | 247 | 3 |
| 7/25/2012 4:58:15 AM | 0.31 | 204 | 247 | 3 |
| 7/25/2012 4:59:15 AM | 0.31 | 205 | 248 | 3 |
| 7/25/2012 5:00:15 AM | 0.30 | 205 | 247 | 3 |
| 7/25/2012 5:01:15 AM | 0.30 | 205 | 247 | 3 |
| 7/25/2012 5:02:15 AM | 0.30 | 205 | 247 | 3 |
| 7/25/2012 5:03:15 AM | 0.30 | 205 | 248 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 5:04:15 AM | 0.30 | 205 | 248 | 3 |
| 7/25/2012 5:05:15 AM | 0.30 | 205 | 248 | 3 |
| 7/25/2012 5:06:15 AM | 0.30 | 206 | 249 | 3 |
| 7/25/2012 5:07:15 AM | 0.30 | 206 | 249 | 3 |
| 7/25/2012 5:08:15 AM | 0.30 | 206 | 250 | 3 |
| 7/25/2012 5:09:15 AM | 0.30 | 207 | 251 | 3 |
| 7/25/2012 5:10:15 AM | 0.30 | 207 | 252 | 4 |
| 7/25/2012 5:11:15 AM | 0.30 | 207 | 253 | 4 |
| 7/25/2012 5:12:15 AM | 0.30 | 207 | 252 | 4 |
| 7/25/2012 5:13:15 AM | 0.30 | 208 | 252 | 4 |
| 7/25/2012 5:14:15 AM | 0.30 | 208 | 254 | 4 |
| 7/25/2012 5:15:15 AM | 0.30 | 208 | 252 | 4 |
| 7/25/2012 5:16:15 AM | 0.30 | 208 | 252 | 4 |
| 7/25/2012 5:17:15 AM | 0.29 | 207 | 252 | 4 |
| 7/25/2012 5:18:15 AM | 0.30 | 207 | 248 | 4 |
| 7/25/2012 5:19:15 AM | 0.30 | 207 | 248 | 4 |
| 7/25/2012 5:20:15 AM | 0.30 | 207 | 247 | 4 |
| 7/25/2012 5:21:15 AM | 0.30 | 207 | 246 | 4 |
| 7/25/2012 5:22:15 AM | 0.30 | 207 | 245 | 4 |
| 7/25/2012 5:23:15 AM | 0.30 | 207 | 246 | 4 |
| 7/25/2012 5:24:15 AM | 0.31 | 207 | 246 | 4 |
| 7/25/2012 5:25:15 AM | 0.31 | 207 | 246 | 4 |
| 7/25/2012 5:26:15 AM | 0.30 | 206 | 246 | 4 |
| 7/25/2012 5:27:15 AM | 0.30 | 206 | 247 | 4 |
| 7/25/2012 5:28:15 AM | 0.30 | 207 | 246 | 4 |
| 7/25/2012 5:29:15 AM | 0.30 | 206 | 243 | 4 |
| 7/25/2012 5:30:15 AM | 0.30 | 207 | 243 | 4 |
| 7/25/2012 5:31:15 AM | 0.30 | 208 | 242 | 4 |
| 7/25/2012 5:32:15 AM | 0.30 | 207 | 243 | 4 |
| 7/25/2012 5:33:15 AM | 0.30 | 207 | 243 | 4 |
| 7/25/2012 5:34:15 AM | 0.31 | 207 | 242 | 4 |
| 7/25/2012 5:35:15 AM | 0.30 | 207 | 241 | 3 |
| 7/25/2012 5:36:15 AM | 0.30 | 208 | 241 | 3 |
| 7/25/2012 5:37:15 AM | 0.30 | 208 | 240 | 4 |
| 7/25/2012 5:38:15 AM | 0.30 | 208 | 240 | 4 |
| 7/25/2012 5:39:15 AM | 0.30 | 209 | 241 | 4 |
| 7/25/2012 5:40:15 AM | 0.29 | 209 | 241 | 4 |
| 7/25/2012 5:41:15 AM | 0.30 | 208 | 240 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 5:42:15 AM | 0.30 | 209 | 239 | 4 |
| 7/25/2012 5:43:15 AM | 0.30 | 208 | 241 | 4 |
| 7/25/2012 5:44:15 AM | 0.30 | 207 | 241 | 3 |
| 7/25/2012 5:45:15 AM | 0.30 | 207 | 241 | 3 |
| 7/25/2012 5:46:15 AM | 0.30 | 206 | 239 | 3 |
| 7/25/2012 5:47:15 AM | 0.31 | 206 | 238 | 3 |
| 7/25/2012 5:48:15 AM | 0.30 | 206 | 237 | 3 |
| 7/25/2012 5:49:15 AM | 0.30 | 206 | 238 | 3 |
| 7/25/2012 5:50:15 AM | 0.30 | 207 | 242 | 3 |
| 7/25/2012 5:51:15 AM | 0.30 | 207 | 243 | 3 |
| 7/25/2012 5:52:15 AM | 0.30 | 208 | 243 | 3 |
| 7/25/2012 5:53:15 AM | 0.30 | 209 | 244 | 3 |
| 7/25/2012 5:54:15 AM | 0.30 | 208 | 245 | 3 |
| 7/25/2012 5:55:15 AM | 0.30 | 209 | 245 | 3 |
| 7/25/2012 5:56:15 AM | 0.29 | 208 | 246 | 3 |
| 7/25/2012 5:57:15 AM | 0.30 | 208 | 246 | 3 |
| 7/25/2012 5:58:15 AM | 0.31 | 208 | 246 | 3 |
| 7/25/2012 5:59:15 AM | 0.30 | 208 | 246 | 3 |
| 7/25/2012 6:00:15 AM | 0.29 | 208 | 248 | 3 |
| 7/25/2012 6:01:15 AM | 0.30 | 208 | 248 | 3 |
| 7/25/2012 6:02:15 AM | 0.29 | 209 | 248 | 3 |
| 7/25/2012 6:03:15 AM | 0.30 | 209 | 251 | 3 |
| 7/25/2012 6:04:15 AM | 0.30 | 210 | 252 | 3 |
| 7/25/2012 6:05:15 AM | 0.30 | 210 | 254 | 3 |
| 7/25/2012 6:06:15 AM | 0.29 | 211 | 256 | 3 |
| 7/25/2012 6:07:15 AM | 0.30 | 212 | 257 | 3 |
| 7/25/2012 6:08:15 AM | 0.29 | 211 | 259 | 3 |
| 7/25/2012 6:09:15 AM | 0.29 | 212 | 261 | 3 |
| 7/25/2012 6:10:15 AM | 0.29 | 213 | 262 | 4 |
| 7/25/2012 6:11:15 AM | 0.30 | 213 | 265 | 4 |
| 7/25/2012 6:12:15 AM | 0.29 | 214 | 266 | 4 |
| 7/25/2012 6:13:15 AM | 0.30 | 214 | 268 | 4 |
| 7/25/2012 6:14:15 AM | 0.29 | 214 | 265 | 3 |
| 7/25/2012 6:15:15 AM | 0.29 | 214 | 264 | 3 |
| 7/25/2012 6:16:15 AM | 0.30 | 215 | 265 | 3 |
| 7/25/2012 6:17:15 AM | 0.29 | 214 | 263 | 3 |
| 7/25/2012 6:18:15 AM | 0.29 | 213 | 262 | 3 |
| 7/25/2012 6:19:15 AM | 0.30 | 214 | 262 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 6:20:15 AM | 0.30 | 212 | 262 | 4 |
| 7/25/2012 6:21:15 AM | 0.30 | 212 | 262 | 4 |
| 7/25/2012 6:22:15 AM | 0.30 | 211 | 262 | 4 |
| 7/25/2012 6:23:15 AM | 0.30 | 211 | 262 | 4 |
| 7/25/2012 6:24:15 AM | 0.30 | 212 | 262 | 4 |
| 7/25/2012 6:25:15 AM | 0.30 | 211 | 262 | 4 |
| 7/25/2012 6:26:15 AM | 0.30 | 212 | 262 | 4 |
| 7/25/2012 6:27:15 AM | 0.30 | 210 | 263 | 4 |
| 7/25/2012 6:28:15 AM | 0.31 | 210 | 262 | 4 |
| 7/25/2012 6:29:15 AM | 0.30 | 209 | 263 | 4 |
| 7/25/2012 6:30:15 AM | 0.31 | 209 | 263 | 4 |
| 7/25/2012 6:31:15 AM | 0.30 | 209 | 262 | 4 |
| 7/25/2012 6:32:15 AM | 0.30 | 210 | 262 | 4 |
| 7/25/2012 6:33:15 AM | 0.30 | 210 | 262 | 4 |
| 7/25/2012 6:34:15 AM | 0.31 | 210 | 262 | 4 |
| 7/25/2012 6:35:15 AM | 0.31 | 210 | 263 | 3 |
| 7/25/2012 6:36:15 AM | 0.30 | 209 | 262 | 3 |
| 7/25/2012 6:37:15 AM | 0.31 | 210 | 262 | 4 |
| 7/25/2012 6:38:15 AM | 0.30 | 210 | 263 | 4 |
| 7/25/2012 6:39:15 AM | 0.31 | 211 | 262 | 4 |
| 7/25/2012 6:40:15 AM | 0.30 | 211 | 263 | 4 |
| 7/25/2012 6:41:15 AM | 0.30 | 211 | 263 | 3 |
| 7/25/2012 6:42:15 AM | 0.30 | 213 | 262 | 3 |
| 7/25/2012 6:43:15 AM | 0.30 | 213 | 262 | 4 |
| 7/25/2012 6:44:15 AM | 0.30 | 214 | 262 | 4 |
| 7/25/2012 6:45:15 AM | 0.29 | 214 | 262 | 4 |
| 7/25/2012 6:46:15 AM | 0.29 | 213 | 262 | 4 |
| 7/25/2012 6:47:15 AM | 0.30 | 214 | 264 | 3 |
| 7/25/2012 6:48:15 AM | 0.30 | 214 | 263 | 3 |
| 7/25/2012 6:49:15 AM | 0.30 | 214 | 265 | 4 |
| 7/25/2012 6:50:15 AM | 0.31 | 215 | 263 | 4 |
| 7/25/2012 6:51:15 AM | 0.31 | 213 | 265 | 4 |
| 7/25/2012 6:52:15 AM | 0.30 | 212 | 265 | 4 |
| 7/25/2012 6:53:15 AM | 0.30 | 212 | 263 | 4 |
| 7/25/2012 6:54:15 AM | 0.30 | 212 | 265 | 4 |
| 7/25/2012 6:55:15 AM | 0.30 | 211 | 265 | 4 |
| 7/25/2012 6:56:15 AM | 0.31 | 211 | 264 | 3 |
| 7/25/2012 6:57:15 AM | 0.31 | 211 | 264 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 6:58:15 AM | 0.30 | 210 | 263 | 3 |
| 7/25/2012 6:59:15 AM | 0.30 | 210 | 265 | 3 |
| 7/25/2012 7:00:15 AM | 0.30 | 210 | 267 | 3 |
| 7/25/2012 7:01:15 AM | 0.31 | 210 | 268 | 4 |
| 7/25/2012 7:02:15 AM | 0.30 | 210 | 268 | 4 |
| 7/25/2012 7:03:15 AM | 0.30 | 211 | 268 | 4 |
| 7/25/2012 7:04:15 AM | 0.31 | 211 | 269 | 4 |
| 7/25/2012 7:05:15 AM | 0.30 | 211 | 269 | 4 |
| 7/25/2012 7:06:15 AM | 0.30 | 211 | 267 | 4 |
| 7/25/2012 7:07:15 AM | 0.30 | 212 | 269 | 4 |
| 7/25/2012 7:08:15 AM | 0.29 | 213 | 269 | 3 |
| 7/25/2012 7:09:15 AM | 0.30 | 214 | 269 | 3 |
| 7/25/2012 7:10:15 AM | 0.29 | 216 | 270 | 3 |
| 7/25/2012 7:11:15 AM | 0.30 | 216 | 271 | 3 |
| 7/25/2012 7:12:15 AM | 0.30 | 216 | 271 | 3 |
| 7/25/2012 7:13:15 AM | 0.30 | 214 | 270 | 3 |
| 7/25/2012 7:14:15 AM | 0.29 | 214 | 271 | 3 |
| 7/25/2012 7:15:15 AM | 0.29 | 215 | 272 | 3 |
| 7/25/2012 7:16:15 AM | 0.30 | 215 | 273 | 4 |
| 7/25/2012 7:17:15 AM | 0.30 | 215 | 273 | 4 |
| 7/25/2012 7:18:15 AM | 0.30 | 216 | 272 | 4 |
| 7/25/2012 7:19:15 AM | 0.29 | 215 | 273 | 4 |
| 7/25/2012 7:20:15 AM | 0.30 | 216 | 273 | 3 |
| 7/25/2012 7:21:15 AM | 0.30 | 216 | 274 | 3 |
| 7/25/2012 7:22:15 AM | 0.30 | 216 | 277 | 4 |
| 7/25/2012 7:23:15 AM | 0.30 | 215 | 277 | 4 |
| 7/25/2012 7:24:15 AM | 0.29 | 216 | 276 | 4 |
| 7/25/2012 7:25:15 AM | 0.30 | 216 | 278 | 3 |
| 7/25/2012 7:26:15 AM | 0.30 | 214 | 278 | 3 |
| 7/25/2012 7:27:15 AM | 0.30 | 214 | 278 | 3 |
| 7/25/2012 7:28:15 AM | 0.30 | 213 | 279 | 4 |
| 7/25/2012 7:29:15 AM | 0.30 | 212 | 281 | 4 |
| 7/25/2012 7:30:15 AM | 0.30 | 209 | 282 | 4 |
| 7/25/2012 7:31:15 AM | 0.30 | 206 | 282 | 4 |
| 7/25/2012 7:32:15 AM | 0.31 | 205 | 278 | 3 |
| 7/25/2012 7:33:15 AM | 0.31 | 205 | 277 | 3 |
| 7/25/2012 7:34:15 AM | 0.31 | 206 | 276 | 3 |
| 7/25/2012 7:35:15 AM | 0.31 | 207 | 277 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 7:36:15 AM | 0.31 | 208 | 277 | 3 |
| 7/25/2012 7:37:15 AM | 0.30 | 206 | 278 | 3 |
| 7/25/2012 7:38:15 AM | 0.30 | 206 | 277 | 3 |
| 7/25/2012 7:39:15 AM | 0.30 | 205 | 276 | 3 |
| 7/25/2012 7:40:15 AM | 0.31 | 205 | 274 | 3 |
| 7/25/2012 7:41:15 AM | 0.31 | 205 | 276 | 3 |
| 7/25/2012 7:42:15 AM | 0.31 | 206 | 275 | 3 |
| 7/25/2012 7:43:15 AM | 0.30 | 206 | 276 | 3 |
| 7/25/2012 7:44:15 AM | 0.30 | 204 | 276 | 3 |
| 7/25/2012 7:45:15 AM | 0.31 | 204 | 276 | 3 |
| 7/25/2012 7:46:15 AM | 0.31 | 205 | 276 | 3 |
| 7/25/2012 7:47:15 AM | 0.31 | 206 | 277 | 2 |
| 7/25/2012 7:48:15 AM | 0.31 | 205 | 276 | 2 |
| 7/25/2012 7:49:15 AM | 0.30 | 205 | 274 | 3 |
| 7/25/2012 7:50:15 AM | 0.30 | 204 | 275 | 3 |
| 7/25/2012 7:51:15 AM | 0.31 | 205 | 274 | 3 |
| 7/25/2012 7:52:15 AM | 0.31 | 206 | 272 | 3 |
| 7/25/2012 7:53:15 AM | 0.31 | 207 | 274 | 3 |
| 7/25/2012 7:54:15 AM | 0.31 | 207 | 275 | 3 |
| 7/25/2012 7:55:15 AM | 0.31 | 208 | 277 | 3 |
| 7/25/2012 7:56:15 AM | 0.30 | 208 | 276 | 3 |
| 7/25/2012 7:57:15 AM | 0.30 | 206 | 276 | 3 |
| 7/25/2012 7:58:15 AM | 0.30 | 204 | 275 | 3 |
| 7/25/2012 7:59:15 AM | 0.30 | 206 | 273 | 3 |
| 7/25/2012 8:00:15 AM | 0.30 | 207 | 275 | 3 |
| 7/25/2012 8:01:15 AM | 0.30 | 208 | 274 | 3 |
| 7/25/2012 8:02:15 AM | 0.30 | 209 | 274 | 3 |
| 7/25/2012 8:03:15 AM | 0.30 | 209 | 277 | 3 |
| 7/25/2012 8:04:15 AM | 0.30 | 208 | 278 | 3 |
| 7/25/2012 8:05:15 AM | 0.30 | 206 | 278 | 3 |
| 7/25/2012 8:06:15 AM | 0.31 | 207 | 278 | 3 |
| 7/25/2012 8:07:15 AM | 0.30 | 206 | 277 | 3 |
| 7/25/2012 8:08:15 AM | 0.30 | 206 | 278 | 3 |
| 7/25/2012 8:09:15 AM | 0.30 | 206 | 278 | 3 |
| 7/25/2012 8:10:15 AM | 0.30 | 206 | 278 | 3 |
| 7/25/2012 8:11:15 AM | 0.30 | 206 | 279 | 2 |
| 7/25/2012 8:12:15 AM | 0.30 | 206 | 276 | 2 |
| 7/25/2012 8:13:15 AM | 0.30 | 207 | 278 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 8:14:15 AM | 0.30 | 207 | 278 | 3 |
| 7/25/2012 8:15:15 AM | 0.31 | 205 | 278 | 3 |
| 7/25/2012 8:16:15 AM | 0.30 | 206 | 275 | 3 |
| 7/25/2012 8:17:15 AM | 0.31 | 206 | 274 | 3 |
| 7/25/2012 8:18:15 AM | 0.30 | 206 | 272 | 3 |
| 7/25/2012 8:19:15 AM | 0.30 | 207 | 273 | 3 |
| 7/25/2012 8:20:15 AM | 0.31 | 208 | 275 | 3 |
| 7/25/2012 8:21:15 AM | 0.30 | 207 | 277 | 3 |
| 7/25/2012 8:22:15 AM | 0.30 | 207 | 277 | 3 |
| 7/25/2012 8:23:15 AM | 0.31 | 207 | 277 | 3 |
| 7/25/2012 8:24:15 AM | 0.30 | 206 | 277 | 3 |
| 7/25/2012 8:25:15 AM | 0.30 | 205 | 277 | 3 |
| 7/25/2012 8:26:15 AM | 0.30 | 204 | 277 | 3 |
| 7/25/2012 8:27:15 AM | 0.30 | 204 | 277 | 2 |
| 7/25/2012 8:28:15 AM | 0.30 | 205 | 277 | 2 |
| 7/25/2012 8:29:15 AM | 0.30 | 205 | 277 | 2 |
| 7/25/2012 8:30:15 AM | 0.30 | 205 | 277 | 2 |
| 7/25/2012 8:31:15 AM | 0.30 | 205 | 276 | 3 |
| 7/25/2012 8:32:15 AM | 0.31 | 205 | 276 | 3 |
| 7/25/2012 8:33:15 AM | 0.30 | 206 | 278 | 3 |
| 7/25/2012 8:34:15 AM | 0.30 | 205 | 278 | 3 |
| 7/25/2012 8:35:15 AM | 0.30 | 205 | 278 | 3 |
| 7/25/2012 8:36:15 AM | 0.29 | 202 | 278 | 3 |
| 7/25/2012 8:37:15 AM | 0.31 | 203 | 276 | 3 |
| 7/25/2012 8:38:15 AM | 0.31 | 204 | 276 | 2 |
| 7/25/2012 8:39:15 AM | 0.30 | 204 | 276 | 2 |
| 7/25/2012 8:40:15 AM | 0.30 | 204 | 274 | 3 |
| 7/25/2012 8:41:15 AM | 0.30 | 204 | 273 | 3 |
| 7/25/2012 8:42:15 AM | 0.30 | 205 | 273 | 3 |
| 7/25/2012 8:43:15 AM | 0.30 | 205 | 273 | 3 |
| 7/25/2012 8:44:15 AM | 0.30 | 205 | 274 | 2 |
| 7/25/2012 8:45:15 AM | 0.31 | 205 | 272 | 2 |
| 7/25/2012 8:46:15 AM | 0.31 | 207 | 272 | 2 |
| 7/25/2012 8:47:15 AM | 0.31 | 207 | 277 | 2 |
| 7/25/2012 8:48:15 AM | 0.30 | 207 | 280 | 2 |
| 7/25/2012 8:49:15 AM | 0.30 | 207 | 280 | 3 |
| 7/25/2012 8:50:15 AM | 0.30 | 207 | 280 | 3 |
| 7/25/2012 8:51:15 AM | 0.31 | 207 | 280 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 8:52:15 AM | 0.30 | 205 | 278 | 3 |
| 7/25/2012 8:53:15 AM | 0.30 | 204 | 276 | 3 |
| 7/25/2012 8:54:15 AM | 0.30 | 205 | 277 | 3 |
| 7/25/2012 8:55:15 AM | 0.30 | 206 | 277 | 3 |
| 7/25/2012 8:56:15 AM | 0.30 | 207 | 277 | 2 |
| 7/25/2012 8:57:15 AM | 0.30 | 208 | 276 | 2 |
| 7/25/2012 8:58:15 AM | 0.30 | 206 | 276 | 3 |
| 7/25/2012 8:59:15 AM | 0.30 | 205 | 276 | 3 |
| 7/25/2012 9:00:15 AM | 0.30 | 205 | 275 | 3 |
| 7/25/2012 9:01:15 AM | 0.30 | 206 | 277 | 3 |
| 7/25/2012 9:02:15 AM | 0.30 | 207 | 278 | 3 |
| 7/25/2012 9:03:15 AM | 0.31 | 208 | 277 | 3 |
| 7/25/2012 9:04:15 AM | 0.31 | 207 | 278 | 3 |
| 7/25/2012 9:05:15 AM | 0.31 | 207 | 279 | 3 |
| 7/25/2012 9:06:15 AM | 0.30 | 207 | 278 | 2 |
| 7/25/2012 9:07:15 AM | 0.31 | 207 | 280 | 3 |
| 7/25/2012 9:08:15 AM | 0.30 | 208 | 281 | 3 |
| 7/25/2012 9:09:15 AM | 0.30 | 208 | 281 | 3 |
| 7/25/2012 9:10:15 AM | 0.30 | 208 | 280 | 3 |
| 7/25/2012 9:11:15 AM | 0.31 | 207 | 282 | 3 |
| 7/25/2012 9:12:15 AM | 0.30 | 206 | 279 | 3 |
| 7/25/2012 9:13:15 AM | 0.30 | 206 | 279 | 3 |
| 7/25/2012 9:14:15 AM | 0.30 | 207 | 280 | 2 |
| 7/25/2012 9:15:15 AM | 0.30 | 206 | 277 | 2 |
| 7/25/2012 9:16:15 AM | 0.30 | 208 | 278 | 3 |
| 7/25/2012 9:17:15 AM | 0.31 | 208 | 276 | 3 |
| 7/25/2012 9:18:15 AM | 0.30 | 208 | 276 | 3 |
| 7/25/2012 9:19:15 AM | 0.30 | 208 | 277 | 3 |
| 7/25/2012 9:20:15 AM | 0.31 | 208 | 277 | 3 |
| 7/25/2012 9:21:15 AM | 0.30 | 208 | 276 | 3 |
| 7/25/2012 9:22:15 AM | 0.31 | 208 | 276 | 3 |
| 7/25/2012 9:23:15 AM | 0.30 | 208 | 278 | 3 |
| 7/25/2012 9:24:15 AM | 0.31 | 208 | 277 | 3 |
| 7/25/2012 9:25:15 AM | 0.31 | 209 | 278 | 3 |
| 7/25/2012 9:26:15 AM | 0.30 | 209 | 277 | 3 |
| 7/25/2012 9:27:15 AM | 0.30 | 206 | 277 | 3 |
| 7/25/2012 9:28:15 AM | 0.30 | 206 | 278 | 3 |
| 7/25/2012 9:29:15 AM | 0.30 | 205 | 275 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 9:30:15 AM | 0.31 | 204 | 273 | 2 |
| 7/25/2012 9:31:15 AM | 0.30 | 207 | 272 | 3 |
| 7/25/2012 9:32:15 AM | 0.31 | 207 | 272 | 3 |
| 7/25/2012 9:33:15 AM | 0.30 | 207 | 272 | 3 |
| 7/25/2012 9:34:15 AM | 0.30 | 208 | 272 | 3 |
| 7/25/2012 9:35:15 AM | 0.30 | 208 | 273 | 2 |
| 7/25/2012 9:36:15 AM | 0.30 | 208 | 273 | 2 |
| 7/25/2012 9:37:15 AM | 0.30 | 208 | 273 | 2 |
| 7/25/2012 9:38:15 AM | 0.30 | 208 | 271 | 2 |
| 7/25/2012 9:39:15 AM | 0.30 | 207 | 270 | 2 |
| 7/25/2012 9:40:15 AM | 0.30 | 207 | 273 | 2 |
| 7/25/2012 9:41:15 AM | 0.30 | 207 | 271 | 2 |
| 7/25/2012 9:42:15 AM | 0.30 | 206 | 273 | 2 |
| 7/25/2012 9:43:15 AM | 0.31 | 206 | 271 | 3 |
| 7/25/2012 9:44:15 AM | 0.30 | 207 | 272 | 3 |
| 7/25/2012 9:45:15 AM | 0.30 | 205 | 272 | 3 |
| 7/25/2012 9:46:15 AM | 0.31 | 205 | 271 | 3 |
| 7/25/2012 9:47:15 AM | 0.31 | 207 | 272 | 2 |
| 7/25/2012 9:48:15 AM | 0.30 | 207 | 272 | 2 |
| 7/25/2012 9:49:15 AM | 0.31 | 208 | 272 | 2 |
| 7/25/2012 9:50:15 AM | 0.30 | 209 | 272 | 3 |
| 7/25/2012 9:51:15 AM | 0.30 | 209 | 272 | 2 |
| 7/25/2012 9:52:15 AM | 0.31 | 209 | 272 | 3 |
| 7/25/2012 9:53:15 AM | 0.30 | 209 | 272 | 3 |
| 7/25/2012 9:54:15 AM | 0.30 | 208 | 271 | 3 |
| 7/25/2012 9:55:15 AM | 0.31 | 206 | 272 | 3 |
| 7/25/2012 9:56:15 AM | 0.31 | 206 | 271 | 3 |
| 7/25/2012 9:57:15 AM | 0.30 | 207 | 270 | 3 |
| 7/25/2012 9:58:15 AM | 0.30 | 207 | 269 | 3 |
| 7/25/2012 9:59:15 AM | 0.31 | 206 | 268 | 3 |
| 7/25/2012 10:00:15 AM | 0.31 | 207 | 271 | 4 |
| 7/25/2012 10:01:15 AM | 0.31 | 207 | 271 | 3 |
| 7/25/2012 10:02:15 AM | 0.30 | 207 | 270 | 2 |
| 7/25/2012 10:03:15 AM | 0.30 | 207 | 268 | 2 |
| 7/25/2012 10:04:15 AM | 0.30 | 207 | 268 | 2 |
| 7/25/2012 10:05:15 AM | 0.30 | 208 | 271 | 2 |
| 7/25/2012 10:06:15 AM | 0.30 | 209 | 271 | 2 |
| 7/25/2012 10:07:15 AM | 0.30 | 210 | 271 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 10:08:15 AM | 0.31 | 210 | 272 | 2 |
| 7/25/2012 10:09:15 AM | 0.30 | 209 | 271 | 2 |
| 7/25/2012 10:10:15 AM | 0.30 | 209 | 272 | 2 |
| 7/25/2012 10:11:15 AM | 0.30 | 210 | 271 | 2 |
| 7/25/2012 10:12:15 AM | 0.30 | 209 | 270 | 2 |
| 7/25/2012 10:13:15 AM | 0.30 | 209 | 271 | 2 |
| 7/25/2012 10:14:15 AM | 0.31 | 210 | 273 | 3 |
| 7/25/2012 10:15:15 AM | 0.30 | 209 | 272 | 2 |
| 7/25/2012 10:16:15 AM | 0.30 | 207 | 272 | 3 |
| 7/25/2012 10:17:15 AM | 0.30 | 207 | 272 | 3 |
| 7/25/2012 10:18:15 AM | 0.30 | 207 | 271 | 3 |
| 7/25/2012 10:19:15 AM | 0.30 | 207 | 269 | 2 |
| 7/25/2012 10:20:15 AM | 0.30 | 207 | 267 | 2 |
| 7/25/2012 10:21:15 AM | 0.31 | 208 | 267 | 2 |
| 7/25/2012 10:22:15 AM | 0.30 | 209 | 268 | 3 |
| 7/25/2012 10:23:15 AM | 0.31 | 210 | 268 | 3 |
| 7/25/2012 10:24:15 AM | 0.30 | 210 | 271 | 3 |
| 7/25/2012 10:25:15 AM | 0.30 | 210 | 272 | 3 |
| 7/25/2012 10:26:15 AM | 0.30 | 210 | 269 | 2 |
| 7/25/2012 10:27:15 AM | 0.30 | 209 | 270 | 2 |
| 7/25/2012 10:28:15 AM | 0.30 | 210 | 271 | 3 |
| 7/25/2012 10:29:15 AM | 0.30 | 209 | 272 | 3 |
| 7/25/2012 10:30:15 AM | 0.30 | 207 | 271 | 3 |
| 7/25/2012 10:31:15 AM | 0.30 | 209 | 273 | 3 |
| 7/25/2012 10:32:15 AM | 0.30 | 210 | 272 | 2 |
| 7/25/2012 10:33:15 AM | 0.30 | 210 | 272 | 2 |
| 7/25/2012 10:34:15 AM | 0.30 | 210 | 274 | 2 |
| 7/25/2012 10:35:15 AM | 0.30 | 209 | 272 | 2 |
| 7/25/2012 10:36:15 AM | 0.31 | 209 | 272 | 2 |
| 7/25/2012 10:37:15 AM | 0.30 | 209 | 273 | 2 |
| 7/25/2012 10:38:15 AM | 0.31 | 210 | 272 | 2 |
| 7/25/2012 10:39:15 AM | 0.30 | 209 | 271 | 2 |
| 7/25/2012 10:40:15 AM | 0.30 | 209 | 272 | 2 |
| 7/25/2012 10:41:15 AM | 0.31 | 209 | 271 | 2 |
| 7/25/2012 10:42:15 AM | 0.30 | 208 | 271 | 2 |
| 7/25/2012 10:43:15 AM | 0.30 | 208 | 271 | 2 |
| 7/25/2012 10:44:15 AM | 0.30 | 207 | 270 | 2 |
| 7/25/2012 10:45:15 AM | 0.29 | 207 | 270 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 10:46:15 AM | 0.30 | 207 | 269 | 2 |
| 7/25/2012 10:47:15 AM | 0.30 | 207 | 270 | 2 |
| 7/25/2012 10:48:15 AM | 0.31 | 208 | 268 | 2 |
| 7/25/2012 10:49:15 AM | 0.31 | 209 | 269 | 2 |
| 7/25/2012 10:50:15 AM | 0.31 | 209 | 272 | 2 |
| 7/25/2012 10:51:15 AM | 0.30 | 210 | 271 | 2 |
| 7/25/2012 10:52:15 AM | 0.30 | 210 | 272 | 2 |
| 7/25/2012 10:53:15 AM | 0.31 | 210 | 271 | 2 |
| 7/25/2012 10:54:15 AM | 0.30 | 210 | 272 | 2 |
| 7/25/2012 10:55:15 AM | 0.31 | 210 | 272 | 2 |
| 7/25/2012 10:56:15 AM | 0.31 | 210 | 273 | 2 |
| 7/25/2012 10:57:15 AM | 0.30 | 210 | 271 | 2 |
| 7/25/2012 10:58:15 AM | 0.30 | 208 | 273 | 2 |
| 7/25/2012 10:59:15 AM | 0.30 | 208 | 272 | 2 |
| 7/25/2012 11:00:15 AM | 0.30 | 209 | 272 | 2 |
| 7/25/2012 11:01:15 AM | 0.30 | 208 | 272 | 2 |
| 7/25/2012 11:02:15 AM | 0.30 | 209 | 273 | 2 |
| 7/25/2012 11:03:15 AM | 0.31 | 210 | 272 | 2 |
| 7/25/2012 11:04:15 AM | 0.31 | 210 | 273 | 2 |
| 7/25/2012 11:05:15 AM | 0.30 | 209 | 273 | 2 |
| 7/25/2012 11:06:15 AM | 0.31 | 209 | 271 | 2 |
| 7/25/2012 11:07:15 AM | 0.31 | 208 | 272 | 2 |
| 7/25/2012 11:08:15 AM | 0.30 | 206 | 271 | 2 |
| 7/25/2012 11:09:15 AM | 0.30 | 206 | 271 | 2 |
| 7/25/2012 11:10:15 AM | 0.30 | 207 | 267 | 2 |
| 7/25/2012 11:11:15 AM | 0.30 | 209 | 269 | 2 |
| 7/25/2012 11:12:15 AM | 0.30 | 208 | 269 | 2 |
| 7/25/2012 11:13:15 AM | 0.30 | 210 | 270 | 2 |
| 7/25/2012 11:14:15 AM | 0.30 | 211 | 272 | 2 |
| 7/25/2012 11:15:15 AM | 0.30 | 209 | 272 | 2 |
| 7/25/2012 11:16:15 AM | 0.31 | 208 | 272 | 3 |
| 7/25/2012 11:17:15 AM | 0.30 | 208 | 271 | 3 |
| 7/25/2012 11:18:15 AM | 0.30 | 208 | 272 | 3 |
| 7/25/2012 11:19:15 AM | 0.30 | 208 | 271 | 3 |
| 7/25/2012 11:20:15 AM | 0.30 | 208 | 270 | 3 |
| 7/25/2012 11:21:15 AM | 0.31 | 208 | 269 | 3 |
| 7/25/2012 11:22:15 AM | 0.30 | 207 | 269 | 3 |
| 7/25/2012 11:23:15 AM | 0.30 | 206 | 268 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 11:24:15 AM | 0.30 | 206 | 267 | 2 |
| 7/25/2012 11:25:15 AM | 0.30 | 208 | 269 | 2 |
| 7/25/2012 11:26:15 AM | 0.30 | 208 | 270 | 2 |
| 7/25/2012 11:27:15 AM | 0.31 | 210 | 271 | 2 |
| 7/25/2012 11:28:15 AM | 0.30 | 210 | 269 | 2 |
| 7/25/2012 11:29:15 AM | 0.30 | 209 | 269 | 2 |
| 7/25/2012 11:30:15 AM | 0.30 | 209 | 269 | 2 |
| 7/25/2012 11:31:15 AM | 0.30 | 207 | 268 | 2 |
| 7/25/2012 11:32:15 AM | 0.31 | 207 | 268 | 2 |
| 7/25/2012 11:33:15 AM | 0.30 | 207 | 270 | 2 |
| 7/25/2012 11:34:15 AM | 0.30 | 207 | 270 | 2 |
| 7/25/2012 11:35:15 AM | 0.30 | 207 | 272 | 2 |
| 7/25/2012 11:36:15 AM | 0.30 | 207 | 271 | 2 |
| 7/25/2012 11:37:15 AM | 0.30 | 206 | 269 | 2 |
| 7/25/2012 11:38:15 AM | 0.30 | 208 | 271 | 2 |
| 7/25/2012 11:39:15 AM | 0.30 | 209 | 271 | 2 |
| 7/25/2012 11:40:15 AM | 0.31 | 210 | 270 | 2 |
| 7/25/2012 11:41:15 AM | 0.30 | 209 | 274 | 2 |
| 7/25/2012 11:42:15 AM | 0.30 | 208 | 278 | 2 |
| 7/25/2012 11:43:15 AM | 0.30 | 209 | 272 | 2 |
| 7/25/2012 11:44:15 AM | 0.30 | 209 | 273 | 3 |
| 7/25/2012 11:45:15 AM | 0.30 | 209 | 272 | 2 |
| 7/25/2012 11:46:15 AM | 0.30 | 209 | 281 | 2 |
| 7/25/2012 11:47:15 AM | 0.31 | 210 | 281 | 2 |
| 7/25/2012 11:48:15 AM | 0.30 | 210 | 278 | 2 |
| 7/25/2012 11:49:15 AM | 0.30 | 211 | 278 | 2 |
| 7/25/2012 11:50:15 AM | 0.30 | 211 | 277 | 2 |
| 7/25/2012 11:51:15 AM | 0.30 | 211 | 280 | 2 |
| 7/25/2012 11:52:15 AM | 0.30 | 211 | 277 | 2 |
| 7/25/2012 11:53:15 AM | 0.30 | 211 | 278 | 2 |
| 7/25/2012 11:54:15 AM | 0.30 | 211 | 279 | 2 |
| 7/25/2012 11:55:15 AM | 0.30 | 210 | 280 | 2 |
| 7/25/2012 11:56:15 AM | 0.30 | 210 | 278 | 2 |
| 7/25/2012 11:57:15 AM | 0.30 | 210 | 277 | 2 |
| 7/25/2012 11:58:15 AM | 0.30 | 212 | 285 | 2 |
| 7/25/2012 11:59:15 AM | 0.30 | 214 | 281 | 2 |
| 7/25/2012 12:00:15 PM | 0.29 | 212 | 285 | 2 |
| 7/25/2012 12:01:15 PM | 0.30 | 209 | 278 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 12:02:15 PM | 0.30 | 210 | 284 | 2 |
| 7/25/2012 12:03:15 PM | 0.30 | 210 | 278 | 2 |
| 7/25/2012 12:04:15 PM | 0.30 | 209 | 278 | 2 |
| 7/25/2012 12:05:15 PM | 0.30 | 208 | 279 | 2 |
| 7/25/2012 12:06:15 PM | 0.30 | 210 | 280 | 2 |
| 7/25/2012 12:07:15 PM | 0.29 | 208 | 283 | 3 |
| 7/25/2012 12:08:15 PM | 0.30 | 206 | 277 | 3 |
| 7/25/2012 12:09:15 PM | 0.30 | 207 | 276 | 3 |
| 7/25/2012 12:10:15 PM | 0.30 | 207 | 276 | 2 |
| 7/25/2012 12:11:15 PM | 0.30 | 209 | 276 | 2 |
| 7/25/2012 12:12:15 PM | 0.30 | 210 | 278 | 2 |
| 7/25/2012 12:13:15 PM | 0.30 | 211 | 289 | 2 |
| 7/25/2012 12:14:15 PM | 0.30 | 212 | 289 | 2 |
| 7/25/2012 12:15:15 PM | 0.29 | 212 | 283 | 2 |
| 7/25/2012 12:16:15 PM | 0.29 | 212 | 282 | 2 |
| 7/25/2012 12:17:15 PM | 0.30 | 209 | 282 | 2 |
| 7/25/2012 12:18:15 PM | 0.30 | 208 | 281 | 2 |
| 7/25/2012 12:19:15 PM | 0.30 | 209 | 280 | 2 |
| 7/25/2012 12:20:15 PM | 0.30 | 209 | 279 | 2 |
| 7/25/2012 12:21:15 PM | 0.30 | 209 | 278 | 2 |
| 7/25/2012 12:22:15 PM | 0.30 | 209 | 278 | 2 |
| 7/25/2012 12:23:15 PM | 0.30 | 210 | 280 | 2 |
| 7/25/2012 12:24:15 PM | 0.30 | 209 | 281 | 2 |
| 7/25/2012 12:25:15 PM | 0.30 | 209 | 280 | 2 |
| 7/25/2012 12:26:15 PM | 0.30 | 209 | 278 | 2 |
| 7/25/2012 12:27:15 PM | 0.30 | 211 | 280 | 2 |
| 7/25/2012 12:28:15 PM | 0.30 | 211 | 282 | 3 |
| 7/25/2012 12:29:15 PM | 0.29 | 209 | 282 | 3 |
| 7/25/2012 12:30:15 PM | 0.30 | 208 | 280 | 3 |
| 7/25/2012 12:31:15 PM | 0.30 | 209 | 277 | 3 |
| 7/25/2012 12:32:15 PM | 0.30 | 211 | 280 | 2 |
| 7/25/2012 12:33:15 PM | 0.31 | 212 | 282 | 2 |
| 7/25/2012 12:34:15 PM | 0.30 | 212 | 282 | 2 |
| 7/25/2012 12:35:15 PM | 0.29 | 210 | 282 | 2 |
| 7/25/2012 12:36:15 PM | 0.30 | 208 | 279 | 2 |
| 7/25/2012 12:37:15 PM | 0.30 | 208 | 278 | 2 |
| 7/25/2012 12:38:15 PM | 0.30 | 208 | 277 | 2 |
| 7/25/2012 12:39:15 PM | 0.30 | 209 | 277 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 12:40:15 PM | 0.31 | 210 | 277 | 2 |
| 7/25/2012 12:41:15 PM | 0.30 | 211 | 278 | 2 |
| 7/25/2012 12:42:15 PM | 0.30 | 212 | 278 | 2 |
| 7/25/2012 12:43:15 PM | 0.30 | 212 | 277 | 2 |
| 7/25/2012 12:44:15 PM | 0.30 | 210 | 278 | 2 |
| 7/25/2012 12:45:15 PM | 0.30 | 210 | 277 | 2 |
| 7/25/2012 12:46:15 PM | 0.30 | 209 | 278 | 2 |
| 7/25/2012 12:47:15 PM | 0.31 | 209 | 276 | 2 |
| 7/25/2012 12:48:15 PM | 0.30 | 210 | 275 | 2 |
| 7/25/2012 12:49:15 PM | 0.30 | 210 | 277 | 2 |
| 7/25/2012 12:50:15 PM | 0.30 | 212 | 276 | 2 |
| 7/25/2012 12:51:15 PM | 0.30 | 213 | 277 | 2 |
| 7/25/2012 12:52:15 PM | 0.30 | 215 | 278 | 2 |
| 7/25/2012 12:53:15 PM | 0.30 | 215 | 277 | 2 |
| 7/25/2012 12:54:15 PM | 0.30 | 214 | 278 | 2 |
| 7/25/2012 12:55:15 PM | 0.30 | 213 | 277 | 2 |
| 7/25/2012 12:56:15 PM | 0.30 | 212 | 276 | 2 |
| 7/25/2012 12:57:15 PM | 0.30 | 212 | 271 | 2 |
| 7/25/2012 12:58:15 PM | | | | |
| 7/25/2012 12:59:15 PM | | | | |
| 7/25/2012 1:00:15 PM | | | | |
| 7/25/2012 1:01:15 PM | | | | |
| 7/25/2012 1:02:15 PM | | | | |
| 7/25/2012 1:03:15 PM | | | | |
| 7/25/2012 1:04:15 PM | | | | |
| 7/25/2012 1:05:15 PM | | | | |
| 7/25/2012 1:06:15 PM | | | | |
| 7/25/2012 1:07:15 PM | | | | |
| 7/25/2012 1:08:15 PM | | | | |
| 7/25/2012 1:09:15 PM | | | | |
| 7/25/2012 1:10:15 PM | | | | |
| 7/25/2012 1:11:15 PM | | | | |
| 7/25/2012 1:12:15 PM | | | | |
| 7/25/2012 1:13:15 PM | | | | |
| 7/25/2012 1:14:15 PM | | | | |
| 7/25/2012 1:15:15 PM | | | | |
| 7/25/2012 1:16:15 PM | | | | |
| 7/25/2012 1:17:15 PM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 1:18:15 PM | | | | |
| 7/25/2012 1:19:15 PM | | | | |
| 7/25/2012 1:20:15 PM | | | | |
| 7/25/2012 1:21:15 PM | | | | |
| 7/25/2012 1:22:15 PM | | | | |
| 7/25/2012 1:23:15 PM | | | | |
| 7/25/2012 1:24:15 PM | | | | |
| 7/25/2012 1:25:15 PM | | | | |
| 7/25/2012 1:26:15 PM | | | | |
| 7/25/2012 1:27:15 PM | | | | |
| 7/25/2012 1:28:15 PM | | | | |
| 7/25/2012 1:29:15 PM | | | | |
| 7/25/2012 1:30:15 PM | | | | |
| 7/25/2012 1:31:15 PM | | | | |
| 7/25/2012 1:32:15 PM | | | | |
| 7/25/2012 1:33:15 PM | | | | |
| 7/25/2012 1:34:15 PM | | | | |
| 7/25/2012 1:35:15 PM | | | | |
| 7/25/2012 1:36:15 PM | | | | |
| 7/25/2012 1:37:15 PM | | | | |
| 7/25/2012 1:38:15 PM | | | | |
| 7/25/2012 1:39:15 PM | | | | |
| 7/25/2012 1:40:15 PM | | | | |
| 7/25/2012 1:41:15 PM | | | | |
| 7/25/2012 1:42:15 PM | 0.30 | 209 | 197 | 3 |
| 7/25/2012 1:43:15 PM | 0.30 | 210 | 199 | 3 |
| 7/25/2012 1:44:15 PM | 0.30 | 208 | 202 | 3 |
| 7/25/2012 1:45:15 PM | 0.30 | 209 | 202 | 3 |
| 7/25/2012 1:46:15 PM | 0.30 | 212 | 205 | 2 |
| 7/25/2012 1:47:15 PM | 0.30 | 212 | 208 | 2 |
| 7/25/2012 1:48:15 PM | 0.30 | 210 | 210 | 2 |
| 7/25/2012 1:49:15 PM | 0.30 | 211 | 212 | 2 |
| 7/25/2012 1:50:15 PM | 0.30 | 212 | 212 | 2 |
| 7/25/2012 1:51:15 PM | 0.30 | 211 | 213 | 2 |
| 7/25/2012 1:52:15 PM | 0.30 | 210 | 213 | 2 |
| 7/25/2012 1:53:15 PM | 0.30 | 211 | 215 | 2 |
| 7/25/2012 1:54:15 PM | 0.30 | 213 | 216 | 3 |
| 7/25/2012 1:55:15 PM | 0.30 | 214 | 219 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 1:56:15 PM | 0.30 | 213 | 221 | 2 |
| 7/25/2012 1:57:15 PM | 0.30 | 213 | 221 | 2 |
| 7/25/2012 1:58:15 PM | 0.30 | 214 | 222 | 2 |
| 7/25/2012 1:59:15 PM | 0.30 | 213 | 222 | 3 |
| 7/25/2012 2:00:15 PM | 0.30 | 213 | 223 | 2 |
| 7/25/2012 2:01:15 PM | 0.30 | 212 | 225 | 2 |
| 7/25/2012 2:02:15 PM | 0.30 | 211 | 226 | 2 |
| 7/25/2012 2:03:15 PM | 0.30 | 211 | 226 | 2 |
| 7/25/2012 2:04:15 PM | 0.30 | 212 | 227 | 3 |
| 7/25/2012 2:05:15 PM | 0.30 | 212 | 227 | 3 |
| 7/25/2012 2:06:15 PM | 0.30 | 211 | 228 | 3 |
| 7/25/2012 2:07:15 PM | 0.29 | 210 | 227 | 3 |
| 7/25/2012 2:08:15 PM | 0.29 | 209 | 228 | 2 |
| 7/25/2012 2:09:15 PM | 0.30 | 209 | 229 | 2 |
| 7/25/2012 2:10:15 PM | 0.30 | 209 | 228 | 2 |
| 7/25/2012 2:11:15 PM | 0.30 | 211 | 230 | 2 |
| 7/25/2012 2:12:15 PM | 0.30 | 213 | 230 | 2 |
| 7/25/2012 2:13:15 PM | 0.30 | 212 | 232 | 2 |
| 7/25/2012 2:14:15 PM | 0.30 | 213 | 232 | 2 |
| 7/25/2012 2:15:15 PM | 0.30 | 212 | 231 | 3 |
| 7/25/2012 2:16:15 PM | 0.30 | 211 | 232 | 3 |
| 7/25/2012 2:17:15 PM | 0.30 | 210 | 232 | 2 |
| 7/25/2012 2:18:15 PM | 0.30 | 209 | 232 | 2 |
| 7/25/2012 2:19:15 PM | 0.30 | 210 | 233 | 2 |
| 7/25/2012 2:20:15 PM | 0.30 | 211 | 232 | 3 |
| 7/25/2012 2:21:15 PM | 0.31 | 211 | 232 | 2 |
| 7/25/2012 2:22:15 PM | 0.30 | 212 | 232 | 2 |
| 7/25/2012 2:23:15 PM | 0.30 | 212 | 234 | 3 |
| 7/25/2012 2:24:15 PM | 0.30 | 214 | 233 | 2 |
| 7/25/2012 2:25:15 PM | 0.30 | 214 | 235 | 3 |
| 7/25/2012 2:26:15 PM | 0.30 | 213 | 234 | 3 |
| 7/25/2012 2:27:15 PM | 0.30 | 212 | 235 | 2 |
| 7/25/2012 2:28:15 PM | 0.30 | 212 | 236 | 3 |
| 7/25/2012 2:29:15 PM | 0.30 | 212 | 237 | 3 |
| 7/25/2012 2:30:15 PM | 0.30 | 211 | 239 | 3 |
| 7/25/2012 2:31:15 PM | 0.30 | 212 | 241 | 2 |
| 7/25/2012 2:32:15 PM | 0.30 | 214 | 239 | 2 |
| 7/25/2012 2:33:15 PM | 0.29 | 215 | 240 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 2:34:15 PM | 0.30 | 217 | 239 | 2 |
| 7/25/2012 2:35:15 PM | 0.30 | 216 | 239 | 2 |
| 7/25/2012 2:36:15 PM | 0.30 | 214 | 240 | 2 |
| 7/25/2012 2:37:15 PM | 0.30 | 214 | 237 | 2 |
| 7/25/2012 2:38:15 PM | 0.30 | 215 | 240 | 2 |
| 7/25/2012 2:39:15 PM | 0.30 | 215 | 242 | 2 |
| 7/25/2012 2:40:15 PM | 0.30 | 213 | 242 | 3 |
| 7/25/2012 2:41:15 PM | 0.30 | 214 | 242 | 3 |
| 7/25/2012 2:42:15 PM | 0.30 | 214 | 243 | 3 |
| 7/25/2012 2:43:15 PM | 0.30 | 214 | 244 | 3 |
| 7/25/2012 2:44:15 PM | 0.30 | 215 | 245 | 2 |
| 7/25/2012 2:45:15 PM | 0.30 | 216 | 245 | 2 |
| 7/25/2012 2:46:15 PM | 0.30 | 216 | 246 | 2 |
| 7/25/2012 2:47:15 PM | 0.30 | 216 | 245 | 2 |
| 7/25/2012 2:48:15 PM | 0.30 | 215 | 246 | 2 |
| 7/25/2012 2:49:15 PM | 0.30 | 216 | 246 | 2 |
| 7/25/2012 2:50:15 PM | 0.30 | 216 | 246 | 2 |
| 7/25/2012 2:51:15 PM | 0.30 | 214 | 247 | 2 |
| 7/25/2012 2:52:15 PM | 0.30 | 214 | 247 | 3 |
| 7/25/2012 2:53:15 PM | 0.30 | 215 | 247 | 3 |
| 7/25/2012 2:54:15 PM | 0.30 | 215 | 247 | 3 |
| 7/25/2012 2:55:15 PM | 0.30 | 215 | 247 | 2 |
| 7/25/2012 2:56:15 PM | 0.30 | 216 | 248 | 2 |
| 7/25/2012 2:57:15 PM | 0.30 | 216 | 249 | 2 |
| 7/25/2012 2:58:15 PM | 0.30 | 215 | 248 | 2 |
| 7/25/2012 2:59:15 PM | 0.30 | 215 | 250 | 3 |
| 7/25/2012 3:00:15 PM | 0.29 | 216 | 251 | 2 |
| 7/25/2012 3:01:15 PM | 0.30 | 217 | 251 | 2 |
| 7/25/2012 3:02:15 PM | 0.30 | 215 | 252 | 2 |
| 7/25/2012 3:03:15 PM | 0.30 | 213 | 252 | 2 |
| 7/25/2012 3:04:15 PM | 0.29 | 214 | 252 | 2 |
| 7/25/2012 3:05:15 PM | 0.30 | 216 | 252 | 2 |
| 7/25/2012 3:06:15 PM | 0.30 | 216 | 252 | 2 |
| 7/25/2012 3:07:15 PM | 0.30 | 215 | 251 | 2 |
| 7/25/2012 3:08:15 PM | 0.30 | 215 | 252 | 2 |
| 7/25/2012 3:09:15 PM | 0.30 | 216 | 250 | 2 |
| 7/25/2012 3:10:15 PM | 0.30 | 215 | 252 | 2 |
| 7/25/2012 3:11:15 PM | 0.30 | 215 | 251 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 3:12:15 PM | 0.29 | 215 | 252 | 2 |
| 7/25/2012 3:13:15 PM | 0.29 | 217 | 254 | 2 |
| 7/25/2012 3:14:15 PM | 0.29 | 219 | 255 | 3 |
| 7/25/2012 3:15:15 PM | 0.29 | 219 | 255 | 2 |
| 7/25/2012 3:16:15 PM | 0.30 | 219 | 257 | 2 |
| 7/25/2012 3:17:15 PM | 0.29 | 217 | 257 | 2 |
| 7/25/2012 3:18:15 PM | 0.29 | 218 | 257 | 3 |
| 7/25/2012 3:19:15 PM | 0.30 | 218 | 259 | 2 |
| 7/25/2012 3:20:15 PM | 0.30 | 218 | 260 | 2 |
| 7/25/2012 3:21:15 PM | 0.30 | 217 | 259 | 2 |
| 7/25/2012 3:22:15 PM | 0.29 | 218 | 259 | 2 |
| 7/25/2012 3:23:15 PM | 0.29 | 219 | 261 | 2 |
| 7/25/2012 3:24:15 PM | 0.29 | 219 | 260 | 2 |
| 7/25/2012 3:25:15 PM | 0.30 | 218 | 262 | 2 |
| 7/25/2012 3:26:15 PM | 0.30 | 219 | 263 | 2 |
| 7/25/2012 3:27:15 PM | 0.30 | 217 | 262 | 2 |
| 7/25/2012 3:28:15 PM | 0.29 | 217 | 263 | 2 |
| 7/25/2012 3:29:15 PM | 0.30 | 218 | 263 | 3 |
| 7/25/2012 3:30:15 PM | 0.30 | 220 | 266 | 2 |
| 7/25/2012 3:31:15 PM | 0.29 | 218 | 267 | 2 |
| 7/25/2012 3:32:15 PM | 0.30 | 215 | 265 | 2 |
| 7/25/2012 3:33:15 PM | 0.30 | 215 | 264 | 3 |
| 7/25/2012 3:34:15 PM | 0.30 | 215 | 262 | 2 |
| 7/25/2012 3:35:15 PM | 0.30 | 215 | 262 | 2 |
| 7/25/2012 3:36:15 PM | 0.30 | 215 | 262 | 2 |
| 7/25/2012 3:37:15 PM | 0.30 | 214 | 264 | 2 |
| 7/25/2012 3:38:15 PM | 0.30 | 215 | 264 | 2 |
| 7/25/2012 3:39:15 PM | 0.30 | 216 | 264 | 3 |
| 7/25/2012 3:40:15 PM | 0.30 | 214 | 267 | 3 |
| 7/25/2012 3:41:15 PM | 0.29 | 213 | 271 | 2 |
| 7/25/2012 3:42:15 PM | 0.29 | 212 | 270 | 3 |
| 7/25/2012 3:43:15 PM | 0.30 | 212 | 271 | 3 |
| 7/25/2012 3:44:15 PM | 0.30 | 212 | 272 | 3 |
| 7/25/2012 3:45:15 PM | 0.30 | 211 | 268 | 2 |
| 7/25/2012 3:46:15 PM | 0.30 | 211 | 266 | 2 |
| 7/25/2012 3:47:15 PM | 0.30 | 211 | 268 | 2 |
| 7/25/2012 3:48:15 PM | 0.30 | 213 | 267 | 2 |
| 7/25/2012 3:49:15 PM | 0.30 | 213 | 270 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 3:50:15 PM | 0.30 | 212 | 272 | 2 |
| 7/25/2012 3:51:15 PM | 0.30 | 212 | 269 | 3 |
| 7/25/2012 3:52:15 PM | 0.30 | 212 | 269 | 3 |
| 7/25/2012 3:53:15 PM | 0.30 | 212 | 270 | 3 |
| 7/25/2012 3:54:15 PM | 0.30 | 212 | 273 | 2 |
| 7/25/2012 3:55:15 PM | 0.30 | 212 | 272 | 3 |
| 7/25/2012 3:56:15 PM | 0.29 | 212 | 272 | 3 |
| 7/25/2012 3:57:15 PM | 0.30 | 212 | 272 | 3 |
| 7/25/2012 3:58:15 PM | 0.30 | 211 | 274 | 3 |
| 7/25/2012 3:59:15 PM | 0.29 | 212 | 273 | 3 |
| 7/25/2012 4:00:15 PM | 0.29 | 210 | 270 | 3 |
| 7/25/2012 4:01:15 PM | 0.30 | 210 | 269 | 3 |
| 7/25/2012 4:02:15 PM | 0.30 | 211 | 267 | 3 |
| 7/25/2012 4:03:15 PM | 0.30 | 212 | 267 | 3 |
| 7/25/2012 4:04:15 PM | 0.30 | 212 | 268 | 3 |
| 7/25/2012 4:05:15 PM | 0.30 | 212 | 267 | 2 |
| 7/25/2012 4:06:15 PM | 0.30 | 212 | 269 | 2 |
| 7/25/2012 4:07:15 PM | 0.30 | 212 | 271 | 2 |
| 7/25/2012 4:08:15 PM | 0.30 | 213 | 269 | 2 |
| 7/25/2012 4:09:15 PM | 0.30 | 214 | 270 | 2 |
| 7/25/2012 4:10:15 PM | 0.30 | 214 | 272 | 2 |
| 7/25/2012 4:11:15 PM | 0.30 | 214 | 270 | 3 |
| 7/25/2012 4:12:15 PM | 0.30 | 214 | 269 | 2 |
| 7/25/2012 4:13:15 PM | 0.30 | 214 | 271 | 3 |
| 7/25/2012 4:14:15 PM | 0.30 | 213 | 273 | 2 |
| 7/25/2012 4:15:15 PM | 0.30 | 211 | 271 | 3 |
| 7/25/2012 4:16:15 PM | 0.30 | 212 | 270 | 2 |
| 7/25/2012 4:17:15 PM | 0.30 | 214 | 269 | 2 |
| 7/25/2012 4:18:15 PM | 0.30 | 214 | 268 | 2 |
| 7/25/2012 4:19:15 PM | 0.30 | 213 | 272 | 3 |
| 7/25/2012 4:20:15 PM | 0.30 | 213 | 271 | 3 |
| 7/25/2012 4:21:15 PM | 0.30 | 214 | 272 | 3 |
| 7/25/2012 4:22:15 PM | 0.30 | 216 | 270 | 3 |
| 7/25/2012 4:23:15 PM | 0.30 | 217 | 272 | 3 |
| 7/25/2012 4:24:15 PM | 0.30 | 217 | 272 | 3 |
| 7/25/2012 4:25:15 PM | 0.30 | 217 | 273 | 3 |
| 7/25/2012 4:26:15 PM | 0.30 | 216 | 272 | 3 |
| 7/25/2012 4:27:15 PM | 0.29 | 218 | 272 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 4:28:15 PM | 0.30 | 219 | 274 | 3 |
| 7/25/2012 4:29:15 PM | 0.30 | 220 | 275 | 3 |
| 7/25/2012 4:30:15 PM | 0.30 | 219 | 272 | 3 |
| 7/25/2012 4:31:15 PM | 0.29 | 219 | 274 | 3 |
| 7/25/2012 4:32:15 PM | 0.30 | 219 | 277 | 3 |
| 7/25/2012 4:33:15 PM | 0.29 | 220 | 279 | 3 |
| 7/25/2012 4:34:15 PM | 0.30 | 220 | 281 | 3 |
| 7/25/2012 4:35:15 PM | 0.30 | 218 | 279 | 3 |
| 7/25/2012 4:36:15 PM | 0.30 | 217 | 277 | 2 |
| 7/25/2012 4:37:15 PM | 0.30 | 217 | 274 | 3 |
| 7/25/2012 4:38:15 PM | 0.29 | 218 | 271 | 3 |
| 7/25/2012 4:39:15 PM | 0.30 | 218 | 267 | 3 |
| 7/25/2012 4:40:15 PM | 0.30 | 218 | 267 | 2 |
| 7/25/2012 4:41:15 PM | 0.30 | 218 | 266 | 3 |
| 7/25/2012 4:42:15 PM | 0.30 | 217 | 265 | 3 |
| 7/25/2012 4:43:15 PM | 0.30 | 217 | 263 | 3 |
| 7/25/2012 4:44:15 PM | 0.30 | 216 | 263 | 3 |
| 7/25/2012 4:45:15 PM | 0.30 | 214 | 262 | 3 |
| 7/25/2012 4:46:15 PM | 0.30 | 215 | 262 | 3 |
| 7/25/2012 4:47:15 PM | 0.30 | 216 | 262 | 3 |
| 7/25/2012 4:48:15 PM | 0.30 | 216 | 265 | 3 |
| 7/25/2012 4:49:15 PM | 0.30 | 215 | 266 | 3 |
| 7/25/2012 4:50:15 PM | 0.30 | 216 | 266 | 3 |
| 7/25/2012 4:51:15 PM | 0.30 | 216 | 268 | 3 |
| 7/25/2012 4:52:15 PM | 0.29 | 216 | 271 | 3 |
| 7/25/2012 4:53:15 PM | 0.29 | 217 | 272 | 3 |
| 7/25/2012 4:54:15 PM | 0.30 | 217 | 273 | 3 |
| 7/25/2012 4:55:15 PM | 0.30 | 217 | 277 | 3 |
| 7/25/2012 4:56:15 PM | 0.30 | 214 | 278 | 3 |
| 7/25/2012 4:57:15 PM | 0.30 | 214 | 277 | 2 |
| 7/25/2012 4:58:15 PM | 0.30 | 213 | 277 | 3 |
| 7/25/2012 4:59:15 PM | 0.30 | 213 | 277 | 3 |
| 7/25/2012 5:00:15 PM | 0.30 | 212 | 276 | 3 |
| 7/25/2012 5:01:15 PM | 0.30 | 212 | 277 | 3 |
| 7/25/2012 5:02:15 PM | 0.29 | 211 | 280 | 3 |
| 7/25/2012 5:03:15 PM | 0.31 | 211 | 278 | 3 |
| 7/25/2012 5:04:15 PM | 0.30 | 212 | 277 | 3 |
| 7/25/2012 5:05:15 PM | 0.30 | 213 | 278 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 5:06:15 PM | 0.30 | 213 | 280 | 3 |
| 7/25/2012 5:07:15 PM | 0.30 | 214 | 282 | 3 |
| 7/25/2012 5:08:15 PM | 0.30 | 214 | 284 | 3 |
| 7/25/2012 5:09:15 PM | 0.30 | 215 | 284 | 3 |
| 7/25/2012 5:10:15 PM | 0.30 | 215 | 284 | 3 |
| 7/25/2012 5:11:15 PM | 0.30 | 214 | 286 | 3 |
| 7/25/2012 5:12:15 PM | 0.30 | 213 | 286 | 3 |
| 7/25/2012 5:13:15 PM | 0.30 | 213 | 286 | 3 |
| 7/25/2012 5:14:15 PM | 0.30 | 212 | 287 | 3 |
| 7/25/2012 5:15:15 PM | 0.30 | 211 | 284 | 3 |
| 7/25/2012 5:16:15 PM | 0.29 | 211 | 285 | 3 |
| 7/25/2012 5:17:15 PM | 0.30 | 210 | 282 | 3 |
| 7/25/2012 5:18:15 PM | 0.30 | 211 | 280 | 3 |
| 7/25/2012 5:19:15 PM | 0.31 | 210 | 280 | 3 |
| 7/25/2012 5:20:15 PM | 0.30 | 210 | 280 | 3 |
| 7/25/2012 5:21:15 PM | 0.30 | 209 | 280 | 3 |
| 7/25/2012 5:22:15 PM | 0.30 | 210 | 281 | 3 |
| 7/25/2012 5:23:15 PM | 0.30 | 211 | 282 | 3 |
| 7/25/2012 5:24:15 PM | 0.30 | 211 | 285 | 3 |
| 7/25/2012 5:25:15 PM | 0.30 | 214 | 282 | 3 |
| 7/25/2012 5:26:15 PM | 0.30 | 216 | 281 | 3 |
| 7/25/2012 5:27:15 PM | 0.30 | 216 | 281 | 3 |
| 7/25/2012 5:28:15 PM | 0.30 | 215 | 281 | 3 |
| 7/25/2012 5:29:15 PM | 0.30 | 215 | 282 | 3 |
| 7/25/2012 5:30:15 PM | 0.30 | 215 | 283 | 3 |
| 7/25/2012 5:31:15 PM | 0.30 | 216 | 282 | 3 |
| 7/25/2012 5:32:15 PM | 0.30 | 215 | 283 | 3 |
| 7/25/2012 5:33:15 PM | 0.30 | 214 | 282 | 3 |
| 7/25/2012 5:34:15 PM | 0.30 | 214 | 282 | 3 |
| 7/25/2012 5:35:15 PM | 0.30 | 215 | 285 | 3 |
| 7/25/2012 5:36:15 PM | 0.30 | 216 | 282 | 3 |
| 7/25/2012 5:37:15 PM | 0.30 | 216 | 282 | 3 |
| 7/25/2012 5:38:15 PM | 0.30 | 216 | 283 | 3 |
| 7/25/2012 5:39:15 PM | 0.30 | 215 | 283 | 3 |
| 7/25/2012 5:40:15 PM | 0.30 | 213 | 285 | 3 |
| 7/25/2012 5:41:15 PM | 0.30 | 212 | 287 | 3 |
| 7/25/2012 5:42:15 PM | 0.30 | 211 | 286 | 4 |
| 7/25/2012 5:43:15 PM | 0.30 | 211 | 286 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 5:44:15 PM | 0.30 | 212 | 284 | 3 |
| 7/25/2012 5:45:15 PM | 0.30 | 213 | 282 | 3 |
| 7/25/2012 5:46:15 PM | 0.30 | 212 | 284 | 3 |
| 7/25/2012 5:47:15 PM | 0.31 | 212 | 287 | 3 |
| 7/25/2012 5:48:15 PM | 0.30 | 212 | 284 | 3 |
| 7/25/2012 5:49:15 PM | 0.30 | 212 | 282 | 3 |
| 7/25/2012 5:50:15 PM | 0.30 | 212 | 281 | 3 |
| 7/25/2012 5:51:15 PM | 0.30 | 212 | 281 | 3 |
| 7/25/2012 5:52:15 PM | 0.30 | 212 | 279 | 4 |
| 7/25/2012 5:53:15 PM | 0.30 | 212 | 278 | 4 |
| 7/25/2012 5:54:15 PM | 0.30 | 212 | 278 | 4 |
| 7/25/2012 5:55:15 PM | 0.30 | 212 | 281 | 3 |
| 7/25/2012 5:56:15 PM | 0.30 | 213 | 281 | 3 |
| 7/25/2012 5:57:15 PM | 0.30 | 213 | 280 | 3 |
| 7/25/2012 5:58:15 PM | 0.30 | 214 | 281 | 3 |
| 7/25/2012 5:59:15 PM | 0.30 | 215 | 283 | 3 |
| 7/25/2012 6:00:15 PM | 0.29 | 216 | 285 | 3 |
| 7/25/2012 6:01:15 PM | 0.29 | 217 | 284 | 3 |
| 7/25/2012 6:02:15 PM | 0.29 | 218 | 282 | 3 |
| 7/25/2012 6:03:15 PM | 0.29 | 219 | 282 | 3 |
| 7/25/2012 6:04:15 PM | 0.29 | 219 | 283 | 3 |
| 7/25/2012 6:05:15 PM | 0.29 | 219 | 284 | 3 |
| 7/25/2012 6:06:15 PM | 0.29 | 218 | 283 | 3 |
| 7/25/2012 6:07:15 PM | 0.29 | 219 | 282 | 3 |
| 7/25/2012 6:08:15 PM | 0.29 | 219 | 282 | 3 |
| 7/25/2012 6:09:15 PM | 0.29 | 219 | 282 | 3 |
| 7/25/2012 6:10:15 PM | 0.29 | 217 | 281 | 3 |
| 7/25/2012 6:11:15 PM | 0.29 | 216 | 281 | 3 |
| 7/25/2012 6:12:15 PM | 0.29 | 216 | 278 | 3 |
| 7/25/2012 6:13:15 PM | 0.29 | 217 | 279 | 3 |
| 7/25/2012 6:14:15 PM | 0.29 | 218 | 281 | 4 |
| 7/25/2012 6:15:15 PM | 0.29 | 218 | 281 | 4 |
| 7/25/2012 6:16:15 PM | 0.30 | 218 | 282 | 4 |
| 7/25/2012 6:17:15 PM | 0.30 | 218 | 282 | 4 |
| 7/25/2012 6:18:15 PM | 0.30 | 217 | 282 | 4 |
| 7/25/2012 6:19:15 PM | 0.29 | 217 | 282 | 4 |
| 7/25/2012 6:20:15 PM | 0.29 | 216 | 283 | 4 |
| 7/25/2012 6:21:15 PM | 0.29 | 217 | 281 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 6:22:15 PM | 0.29 | 217 | 281 | 3 |
| 7/25/2012 6:23:15 PM | 0.30 | 217 | 281 | 3 |
| 7/25/2012 6:24:15 PM | 0.29 | 217 | 282 | 3 |
| 7/25/2012 6:25:15 PM | 0.29 | 216 | 282 | 3 |
| 7/25/2012 6:26:15 PM | 0.29 | 217 | 281 | 3 |
| 7/25/2012 6:27:15 PM | 0.29 | 217 | 278 | 3 |
| 7/25/2012 6:28:15 PM | 0.29 | 217 | 279 | 3 |
| 7/25/2012 6:29:15 PM | 0.29 | 218 | 279 | 3 |
| 7/25/2012 6:30:15 PM | 0.30 | 217 | 279 | 3 |
| 7/25/2012 6:31:15 PM | 0.30 | 218 | 282 | 3 |
| 7/25/2012 6:32:15 PM | 0.30 | 217 | 282 | 3 |
| 7/25/2012 6:33:15 PM | 0.30 | 215 | 281 | 3 |
| 7/25/2012 6:34:15 PM | 0.30 | 215 | 282 | 3 |
| 7/25/2012 6:35:15 PM | 0.30 | 215 | 285 | 3 |
| 7/25/2012 6:36:15 PM | 0.30 | 215 | 288 | 3 |
| 7/25/2012 6:37:15 PM | 0.30 | 215 | 287 | 3 |
| 7/25/2012 6:38:15 PM | 0.30 | 215 | 286 | 3 |
| 7/25/2012 6:39:15 PM | 0.30 | 215 | 284 | 3 |
| 7/25/2012 6:40:15 PM | 0.30 | 215 | 286 | 3 |
| 7/25/2012 6:41:15 PM | 0.30 | 215 | 283 | 4 |
| 7/25/2012 6:42:15 PM | 0.30 | 215 | 283 | 4 |
| 7/25/2012 6:43:15 PM | 0.30 | 214 | 282 | 4 |
| 7/25/2012 6:44:15 PM | 0.29 | 214 | 280 | 4 |
| 7/25/2012 6:45:15 PM | 0.30 | 214 | 281 | 4 |
| 7/25/2012 6:46:15 PM | 0.30 | 214 | 279 | 4 |
| 7/25/2012 6:47:15 PM | 0.30 | 215 | 276 | 4 |
| 7/25/2012 6:48:15 PM | 0.30 | 215 | 276 | 4 |
| 7/25/2012 6:49:15 PM | 0.30 | 214 | 277 | 4 |
| 7/25/2012 6:50:15 PM | 0.30 | 214 | 278 | 4 |
| 7/25/2012 6:51:15 PM | 0.30 | 213 | 277 | 4 |
| 7/25/2012 6:52:15 PM | 0.30 | 212 | 277 | 4 |
| 7/25/2012 6:53:15 PM | 0.30 | 213 | 277 | 4 |
| 7/25/2012 6:54:15 PM | 0.30 | 214 | 276 | 4 |
| 7/25/2012 6:55:15 PM | 0.30 | 214 | 274 | 4 |
| 7/25/2012 6:56:15 PM | 0.30 | 214 | 274 | 4 |
| 7/25/2012 6:57:15 PM | 0.30 | 215 | 274 | 4 |
| 7/25/2012 6:58:15 PM | 0.29 | 215 | 274 | 3 |
| 7/25/2012 6:59:15 PM | 0.30 | 216 | 276 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 7:00:15 PM | 0.29 | 217 | 274 | 3 |
| 7/25/2012 7:01:15 PM | 0.29 | 219 | 275 | 4 |
| 7/25/2012 7:02:15 PM | 0.29 | 220 | 276 | 4 |
| 7/25/2012 7:03:15 PM | 0.29 | 220 | 274 | 4 |
| 7/25/2012 7:04:15 PM | 0.29 | 221 | 273 | 4 |
| 7/25/2012 7:05:15 PM | 0.29 | 221 | 276 | 4 |
| 7/25/2012 7:06:15 PM | 0.29 | 220 | 276 | 4 |
| 7/25/2012 7:07:15 PM | 0.29 | 220 | 275 | 3 |
| 7/25/2012 7:08:15 PM | 0.29 | 221 | 276 | 3 |
| 7/25/2012 7:09:15 PM | 0.29 | 221 | 278 | 3 |
| 7/25/2012 7:10:15 PM | 0.29 | 221 | 278 | 3 |
| 7/25/2012 7:11:15 PM | 0.29 | 222 | 277 | 3 |
| 7/25/2012 7:12:15 PM | 0.29 | 222 | 278 | 3 |
| 7/25/2012 7:13:15 PM | 0.29 | 222 | 280 | 3 |
| 7/25/2012 7:14:15 PM | 0.29 | 223 | 279 | 4 |
| 7/25/2012 7:15:15 PM | 0.29 | 224 | 278 | 4 |
| 7/25/2012 7:16:15 PM | 0.29 | 224 | 279 | 4 |
| 7/25/2012 7:17:15 PM | 0.29 | 224 | 278 | 4 |
| 7/25/2012 7:18:15 PM | 0.29 | 223 | 279 | 4 |
| 7/25/2012 7:19:15 PM | 0.29 | 223 | 277 | 4 |
| 7/25/2012 7:20:15 PM | 0.29 | 222 | 278 | 4 |
| 7/25/2012 7:21:15 PM | 0.29 | 222 | 278 | 4 |
| 7/25/2012 7:22:15 PM | 0.29 | 222 | 278 | 4 |
| 7/25/2012 7:23:15 PM | 0.29 | 222 | 275 | 3 |
| 7/25/2012 7:24:15 PM | 0.29 | 222 | 275 | 4 |
| 7/25/2012 7:25:15 PM | 0.29 | 221 | 273 | 4 |
| 7/25/2012 7:26:15 PM | 0.28 | 222 | 271 | 4 |
| 7/25/2012 7:27:15 PM | 0.29 | 222 | 272 | 3 |
| 7/25/2012 7:28:15 PM | 0.29 | 222 | 273 | 3 |
| 7/25/2012 7:29:15 PM | 0.29 | 221 | 273 | 4 |
| 7/25/2012 7:30:15 PM | 0.29 | 222 | 274 | 4 |
| 7/25/2012 7:31:15 PM | 0.29 | 222 | 275 | 4 |
| 7/25/2012 7:32:15 PM | 0.29 | 223 | 273 | 4 |
| 7/25/2012 7:33:15 PM | 0.28 | 224 | 272 | 4 |
| 7/25/2012 7:34:15 PM | 0.29 | 224 | 270 | 4 |
| 7/25/2012 7:35:15 PM | 0.28 | 224 | 270 | 4 |
| 7/25/2012 7:36:15 PM | 0.28 | 224 | 272 | 4 |
| 7/25/2012 7:37:15 PM | 0.28 | 225 | 268 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 7:38:15 PM | 0.28 | 225 | 268 | 3 |
| 7/25/2012 7:39:15 PM | 0.28 | 225 | 270 | 3 |
| 7/25/2012 7:40:15 PM | 0.28 | 225 | 270 | 3 |
| 7/25/2012 7:41:15 PM | 0.28 | 226 | 268 | 4 |
| 7/25/2012 7:42:15 PM | 0.29 | 226 | 269 | 4 |
| 7/25/2012 7:43:15 PM | 0.28 | 225 | 270 | 4 |
| 7/25/2012 7:44:15 PM | 0.29 | 225 | 272 | 4 |
| 7/25/2012 7:45:15 PM | 0.28 | 226 | 272 | 4 |
| 7/25/2012 7:46:15 PM | 0.29 | 226 | 272 | 4 |
| 7/25/2012 7:47:15 PM | 0.29 | 225 | 272 | 4 |
| 7/25/2012 7:48:15 PM | 0.29 | 223 | 271 | 4 |
| 7/25/2012 7:49:15 PM | 0.29 | 221 | 271 | 4 |
| 7/25/2012 7:50:15 PM | 0.29 | 221 | 270 | 4 |
| 7/25/2012 7:51:15 PM | 0.29 | 222 | 267 | 4 |
| 7/25/2012 7:52:15 PM | 0.29 | 222 | 266 | 4 |
| 7/25/2012 7:53:15 PM | 0.29 | 223 | 268 | 3 |
| 7/25/2012 7:54:15 PM | 0.29 | 223 | 267 | 3 |
| 7/25/2012 7:55:15 PM | 0.29 | 222 | 268 | 3 |
| 7/25/2012 7:56:15 PM | 0.28 | 223 | 267 | 3 |
| 7/25/2012 7:57:15 PM | 0.28 | 223 | 267 | 4 |
| 7/25/2012 7:58:15 PM | 0.29 | 223 | 267 | 4 |
| 7/25/2012 7:59:15 PM | 0.29 | 222 | 267 | 4 |
| 7/25/2012 8:00:15 PM | 0.29 | 222 | 267 | 4 |
| 7/25/2012 8:01:15 PM | 0.28 | 222 | 267 | 3 |
| 7/25/2012 8:02:15 PM | 0.28 | 223 | 267 | 4 |
| 7/25/2012 8:03:15 PM | 0.28 | 224 | 264 | 4 |
| 7/25/2012 8:04:15 PM | 0.28 | 225 | 266 | 4 |
| 7/25/2012 8:05:15 PM | 0.28 | 226 | 266 | 4 |
| 7/25/2012 8:06:15 PM | 0.28 | 226 | 264 | 4 |
| 7/25/2012 8:07:15 PM | 0.28 | 226 | 265 | 4 |
| 7/25/2012 8:08:15 PM | 0.28 | 227 | 266 | 4 |
| 7/25/2012 8:09:15 PM | 0.28 | 227 | 265 | 3 |
| 7/25/2012 8:10:15 PM | 0.28 | 227 | 264 | 3 |
| 7/25/2012 8:11:15 PM | 0.28 | 228 | 262 | 3 |
| 7/25/2012 8:12:15 PM | 0.28 | 227 | 262 | 3 |
| 7/25/2012 8:13:15 PM | 0.28 | 227 | 261 | 3 |
| 7/25/2012 8:14:15 PM | 0.28 | 228 | 262 | 4 |
| 7/25/2012 8:15:15 PM | 0.28 | 229 | 262 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 8:16:15 PM | 0.28 | 228 | 262 | 3 |
| 7/25/2012 8:17:15 PM | 0.28 | 227 | 262 | 3 |
| 7/25/2012 8:18:15 PM | 0.28 | 227 | 260 | 3 |
| 7/25/2012 8:19:15 PM | 0.28 | 226 | 262 | 3 |
| 7/25/2012 8:20:15 PM | 0.29 | 225 | 262 | 3 |
| 7/25/2012 8:21:15 PM | 0.29 | 225 | 262 | 3 |
| 7/25/2012 8:22:15 PM | 0.29 | 225 | 260 | 3 |
| 7/25/2012 8:23:15 PM | 0.28 | 226 | 258 | 3 |
| 7/25/2012 8:24:15 PM | 0.28 | 226 | 257 | 3 |
| 7/25/2012 8:25:15 PM | 0.28 | 227 | 258 | 3 |
| 7/25/2012 8:26:15 PM | 0.28 | 228 | 258 | 4 |
| 7/25/2012 8:27:15 PM | 0.28 | 229 | 260 | 4 |
| 7/25/2012 8:28:15 PM | 0.28 | 229 | 262 | 3 |
| 7/25/2012 8:29:15 PM | 0.28 | 230 | 261 | 4 |
| 7/25/2012 8:30:15 PM | 0.28 | 231 | 261 | 4 |
| 7/25/2012 8:31:15 PM | 0.28 | 231 | 262 | 4 |
| 7/25/2012 8:32:15 PM | 0.28 | 231 | 262 | 4 |
| 7/25/2012 8:33:15 PM | 0.28 | 231 | 260 | 3 |
| 7/25/2012 8:34:15 PM | 0.28 | 231 | 260 | 3 |
| 7/25/2012 8:35:15 PM | 0.28 | 232 | 262 | 3 |
| 7/25/2012 8:36:15 PM | 0.28 | 232 | 261 | 3 |
| 7/25/2012 8:37:15 PM | 0.28 | 232 | 261 | 4 |
| 7/25/2012 8:38:15 PM | 0.28 | 232 | 262 | 4 |
| 7/25/2012 8:39:15 PM | 0.27 | 231 | 262 | 4 |
| 7/25/2012 8:40:15 PM | 0.28 | 230 | 262 | 4 |
| 7/25/2012 8:41:15 PM | 0.28 | 230 | 262 | 4 |
| 7/25/2012 8:42:15 PM | 0.28 | 231 | 263 | 4 |
| 7/25/2012 8:43:15 PM | 0.28 | 231 | 266 | 3 |
| 7/25/2012 8:44:15 PM | 0.28 | 231 | 266 | 3 |
| 7/25/2012 8:45:15 PM | 0.28 | 232 | 262 | 3 |
| 7/25/2012 8:46:15 PM | 0.28 | 232 | 263 | 4 |
| 7/25/2012 8:47:15 PM | 0.28 | 232 | 263 | 3 |
| 7/25/2012 8:48:15 PM | 0.28 | 232 | 262 | 3 |
| 7/25/2012 8:49:15 PM | 0.28 | 231 | 262 | 4 |
| 7/25/2012 8:50:15 PM | 0.28 | 231 | 261 | 4 |
| 7/25/2012 8:51:15 PM | 0.28 | 231 | 261 | 4 |
| 7/25/2012 8:52:15 PM | 0.28 | 231 | 258 | 4 |
| 7/25/2012 8:53:15 PM | 0.28 | 231 | 258 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 8:54:15 PM | 0.28 | 231 | 258 | 4 |
| 7/25/2012 8:55:15 PM | 0.28 | 230 | 259 | 4 |
| 7/25/2012 8:56:15 PM | 0.28 | 229 | 258 | 4 |
| 7/25/2012 8:57:15 PM | 0.28 | 228 | 256 | 4 |
| 7/25/2012 8:58:15 PM | 0.28 | 228 | 257 | 4 |
| 7/25/2012 8:59:15 PM | 0.28 | 227 | 256 | 3 |
| 7/25/2012 9:00:15 PM | 0.28 | 227 | 255 | 3 |
| 7/25/2012 9:01:15 PM | 0.28 | 227 | 254 | 4 |
| 7/25/2012 9:02:15 PM | 0.28 | 226 | 254 | 4 |
| 7/25/2012 9:03:15 PM | 0.28 | 226 | 256 | 4 |
| 7/25/2012 9:04:15 PM | 0.28 | 226 | 257 | 3 |
| 7/25/2012 9:05:15 PM | 0.28 | 224 | 256 | 3 |
| 7/25/2012 9:06:15 PM | 0.28 | 224 | 252 | 3 |
| 7/25/2012 9:07:15 PM | 0.28 | 224 | 254 | 3 |
| 7/25/2012 9:08:15 PM | 0.28 | 225 | 253 | 3 |
| 7/25/2012 9:09:15 PM | 0.28 | 225 | 252 | 3 |
| 7/25/2012 9:10:15 PM | 0.28 | 225 | 252 | 4 |
| 7/25/2012 9:11:15 PM | 0.29 | 224 | 253 | 4 |
| 7/25/2012 9:12:15 PM | 0.28 | 223 | 253 | 4 |
| 7/25/2012 9:13:15 PM | 0.29 | 223 | 253 | 3 |
| 7/25/2012 9:14:15 PM | 0.29 | 223 | 252 | 3 |
| 7/25/2012 9:15:15 PM | 0.29 | 221 | 250 | 3 |
| 7/25/2012 9:16:15 PM | 0.29 | 220 | 248 | 4 |
| 7/25/2012 9:17:15 PM | 0.29 | 220 | 247 | 4 |
| 7/25/2012 9:18:15 PM | 0.29 | 220 | 246 | 4 |
| 7/25/2012 9:19:15 PM | 0.29 | 219 | 247 | 4 |
| 7/25/2012 9:20:15 PM | 0.29 | 219 | 247 | 4 |
| 7/25/2012 9:21:15 PM | 0.29 | 220 | 247 | 4 |
| 7/25/2012 9:22:15 PM | 0.28 | 220 | 246 | 3 |
| 7/25/2012 9:23:15 PM | 0.29 | 221 | 247 | 3 |
| 7/25/2012 9:24:15 PM | 0.28 | 221 | 248 | 3 |
| 7/25/2012 9:25:15 PM | 0.28 | 221 | 248 | 3 |
| 7/25/2012 9:26:15 PM | 0.28 | 222 | 248 | 3 |
| 7/25/2012 9:27:15 PM | 0.29 | 222 | 248 | 3 |
| 7/25/2012 9:28:15 PM | 0.29 | 222 | 249 | 3 |
| 7/25/2012 9:29:15 PM | 0.29 | 222 | 248 | 3 |
| 7/25/2012 9:30:15 PM | 0.29 | 221 | 247 | 3 |
| 7/25/2012 9:31:15 PM | 0.28 | 221 | 248 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 9:32:15 PM | 0.28 | 221 | 247 | 4 |
| 7/25/2012 9:33:15 PM | 0.29 | 221 | 244 | 4 |
| 7/25/2012 9:34:15 PM | 0.29 | 221 | 245 | 4 |
| 7/25/2012 9:35:15 PM | 0.29 | 221 | 247 | 4 |
| 7/25/2012 9:36:15 PM | 0.29 | 222 | 245 | 4 |
| 7/25/2012 9:37:15 PM | 0.29 | 222 | 246 | 3 |
| 7/25/2012 9:38:15 PM | 0.29 | 222 | 246 | 3 |
| 7/25/2012 9:39:15 PM | 0.28 | 222 | 247 | 3 |
| 7/25/2012 9:40:15 PM | 0.28 | 222 | 248 | 3 |
| 7/25/2012 9:41:15 PM | 0.28 | 222 | 248 | 3 |
| 7/25/2012 9:42:15 PM | 0.28 | 223 | 247 | 3 |
| 7/25/2012 9:43:15 PM | 0.29 | 223 | 247 | 3 |
| 7/25/2012 9:44:15 PM | 0.28 | 223 | 247 | 4 |
| 7/25/2012 9:45:15 PM | 0.28 | 223 | 246 | 3 |
| 7/25/2012 9:46:15 PM | 0.28 | 222 | 248 | 4 |
| 7/25/2012 9:47:15 PM | 0.29 | 223 | 249 | 3 |
| 7/25/2012 9:48:15 PM | 0.28 | 223 | 247 | 3 |
| 7/25/2012 9:49:15 PM | 0.29 | 223 | 246 | 3 |
| 7/25/2012 9:50:15 PM | 0.28 | 223 | 247 | 4 |
| 7/25/2012 9:51:15 PM | 0.29 | 223 | 247 | 3 |
| 7/25/2012 9:52:15 PM | 0.29 | 223 | 247 | 3 |
| 7/25/2012 9:53:15 PM | 0.28 | 223 | 247 | 3 |
| 7/25/2012 9:54:15 PM | 0.28 | 223 | 246 | 3 |
| 7/25/2012 9:55:15 PM | 0.28 | 223 | 246 | 3 |
| 7/25/2012 9:56:15 PM | 0.28 | 223 | 246 | 3 |
| 7/25/2012 9:57:15 PM | 0.28 | 224 | 246 | 3 |
| 7/25/2012 9:58:15 PM | 0.28 | 223 | 247 | 3 |
| 7/25/2012 9:59:15 PM | 0.29 | 223 | 246 | 3 |
| 7/25/2012 10:00:15 PM | 0.29 | 223 | 246 | 3 |
| 7/25/2012 10:01:15 PM | 0.29 | 224 | 246 | 3 |
| 7/25/2012 10:02:15 PM | 0.28 | 224 | 247 | 3 |
| 7/25/2012 10:03:15 PM | 0.28 | 225 | 246 | 4 |
| 7/25/2012 10:04:15 PM | 0.28 | 225 | 245 | 4 |
| 7/25/2012 10:05:15 PM | 0.28 | 225 | 247 | 4 |
| 7/25/2012 10:06:15 PM | 0.28 | 225 | 247 | 4 |
| 7/25/2012 10:07:15 PM | 0.28 | 225 | 247 | 3 |
| 7/25/2012 10:08:15 PM | 0.28 | 225 | 248 | 3 |
| 7/25/2012 10:09:15 PM | 0.28 | 224 | 248 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 10:10:15 PM | 0.28 | 224 | 250 | 3 |
| 7/25/2012 10:11:15 PM | 0.28 | 224 | 250 | 3 |
| 7/25/2012 10:12:15 PM | 0.28 | 225 | 249 | 3 |
| 7/25/2012 10:13:15 PM | 0.28 | 225 | 251 | 3 |
| 7/25/2012 10:14:15 PM | 0.28 | 226 | 251 | 3 |
| 7/25/2012 10:15:15 PM | 0.28 | 226 | 250 | 3 |
| 7/25/2012 10:16:15 PM | 0.29 | 226 | 251 | 3 |
| 7/25/2012 10:17:15 PM | 0.28 | 225 | 251 | 3 |
| 7/25/2012 10:18:15 PM | 0.28 | 226 | 249 | 3 |
| 7/25/2012 10:19:15 PM | 0.28 | 226 | 250 | 3 |
| 7/25/2012 10:20:15 PM | 0.28 | 225 | 250 | 3 |
| 7/25/2012 10:21:15 PM | 0.28 | 226 | 249 | 4 |
| 7/25/2012 10:22:15 PM | 0.28 | 226 | 248 | 4 |
| 7/25/2012 10:23:15 PM | 0.28 | 227 | 250 | 4 |
| 7/25/2012 10:24:15 PM | 0.28 | 227 | 252 | 3 |
| 7/25/2012 10:25:15 PM | 0.28 | 227 | 252 | 3 |
| 7/25/2012 10:26:15 PM | 0.28 | 228 | 251 | 3 |
| 7/25/2012 10:27:15 PM | 0.28 | 228 | 251 | 3 |
| 7/25/2012 10:28:15 PM | 0.28 | 228 | 250 | 3 |
| 7/25/2012 10:29:15 PM | 0.28 | 228 | 249 | 3 |
| 7/25/2012 10:30:15 PM | 0.28 | 229 | 251 | 4 |
| 7/25/2012 10:31:15 PM | 0.28 | 230 | 250 | 3 |
| 7/25/2012 10:32:15 PM | 0.28 | 230 | 252 | 4 |
| 7/25/2012 10:33:15 PM | 0.28 | 230 | 252 | 3 |
| 7/25/2012 10:34:15 PM | 0.28 | 231 | 252 | 3 |
| 7/25/2012 10:35:15 PM | 0.28 | 231 | 252 | 3 |
| 7/25/2012 10:36:15 PM | 0.28 | 231 | 251 | 3 |
| 7/25/2012 10:37:15 PM | 0.28 | 232 | 252 | 4 |
| 7/25/2012 10:38:15 PM | 0.28 | 232 | 256 | 4 |
| 7/25/2012 10:39:15 PM | 0.28 | 232 | 256 | 3 |
| 7/25/2012 10:40:15 PM | 0.28 | 232 | 257 | 3 |
| 7/25/2012 10:41:15 PM | 0.27 | 231 | 255 | 4 |
| 7/25/2012 10:42:15 PM | 0.28 | 231 | 255 | 4 |
| 7/25/2012 10:43:15 PM | 0.28 | 231 | 255 | 4 |
| 7/25/2012 10:44:15 PM | 0.28 | 231 | 255 | 4 |
| 7/25/2012 10:45:15 PM | 0.28 | 231 | 255 | 4 |
| 7/25/2012 10:46:15 PM | 0.27 | 231 | 256 | 3 |
| 7/25/2012 10:47:15 PM | 0.28 | 231 | 255 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 10:48:15 PM | 0.28 | 231 | 256 | 3 |
| 7/25/2012 10:49:15 PM | 0.28 | 231 | 256 | 4 |
| 7/25/2012 10:50:15 PM | 0.28 | 231 | 256 | 4 |
| 7/25/2012 10:51:15 PM | 0.28 | 231 | 257 | 4 |
| 7/25/2012 10:52:15 PM | 0.28 | 231 | 257 | 4 |
| 7/25/2012 10:53:15 PM | 0.28 | 230 | 258 | 4 |
| 7/25/2012 10:54:15 PM | 0.28 | 230 | 255 | 4 |
| 7/25/2012 10:55:15 PM | 0.28 | 230 | 257 | 4 |
| 7/25/2012 10:56:15 PM | 0.28 | 230 | 257 | 4 |
| 7/25/2012 10:57:15 PM | 0.29 | 230 | 256 | 4 |
| 7/25/2012 10:58:15 PM | 0.28 | 229 | 255 | 4 |
| 7/25/2012 10:59:15 PM | 0.28 | 229 | 257 | 3 |
| 7/25/2012 11:00:15 PM | 0.28 | 229 | 257 | 4 |
| 7/25/2012 11:01:15 PM | 0.28 | 228 | 256 | 4 |
| 7/25/2012 11:02:15 PM | 0.28 | 228 | 254 | 4 |
| 7/25/2012 11:03:15 PM | 0.28 | 228 | 252 | 4 |
| 7/25/2012 11:04:15 PM | 0.28 | 227 | 254 | 4 |
| 7/25/2012 11:05:15 PM | 0.28 | 226 | 255 | 4 |
| 7/25/2012 11:06:15 PM | 0.28 | 227 | 253 | 3 |
| 7/25/2012 11:07:15 PM | 0.28 | 226 | 253 | 3 |
| 7/25/2012 11:08:15 PM | 0.28 | 226 | 253 | 3 |
| 7/25/2012 11:09:15 PM | 0.28 | 226 | 254 | 4 |
| 7/25/2012 11:10:15 PM | 0.28 | 227 | 254 | 4 |
| 7/25/2012 11:11:15 PM | 0.29 | 227 | 252 | 4 |
| 7/25/2012 11:12:15 PM | 0.28 | 226 | 253 | 4 |
| 7/25/2012 11:13:15 PM | 0.28 | 226 | 253 | 3 |
| 7/25/2012 11:14:15 PM | 0.28 | 227 | 256 | 3 |
| 7/25/2012 11:15:15 PM | 0.28 | 227 | 256 | 3 |
| 7/25/2012 11:16:15 PM | 0.28 | 228 | 255 | 3 |
| 7/25/2012 11:17:15 PM | 0.28 | 228 | 255 | 3 |
| 7/25/2012 11:18:15 PM | 0.28 | 229 | 254 | 3 |
| 7/25/2012 11:19:15 PM | 0.28 | 229 | 255 | 2 |
| 7/25/2012 11:20:15 PM | 0.28 | 229 | 254 | 2 |
| 7/25/2012 11:21:15 PM | 0.28 | 228 | 254 | 3 |
| 7/25/2012 11:22:15 PM | 0.28 | 228 | 256 | 3 |
| 7/25/2012 11:23:15 PM | 0.28 | 229 | 254 | 3 |
| 7/25/2012 11:24:15 PM | 0.28 | 229 | 253 | 3 |
| 7/25/2012 11:25:15 PM | 0.28 | 229 | 255 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **25-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **25-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/25/2012 11:26:15 PM | 0.28 | 229 | 253 | 3 |
| 7/25/2012 11:27:15 PM | 0.28 | 228 | 254 | 3 |
| 7/25/2012 11:28:15 PM | 0.28 | 228 | 253 | 3 |
| 7/25/2012 11:29:15 PM | 0.28 | 228 | 253 | 3 |
| 7/25/2012 11:30:15 PM | 0.28 | 228 | 253 | 3 |
| 7/25/2012 11:31:15 PM | 0.28 | 229 | 253 | 3 |
| 7/25/2012 11:32:15 PM | 0.28 | 229 | 254 | 3 |
| 7/25/2012 11:33:15 PM | 0.28 | 229 | 250 | 3 |
| 7/25/2012 11:34:15 PM | 0.28 | 229 | 249 | 3 |
| 7/25/2012 11:35:15 PM | 0.28 | 230 | 252 | 3 |
| 7/25/2012 11:36:15 PM | 0.28 | 230 | 252 | 3 |
| 7/25/2012 11:37:15 PM | 0.28 | 230 | 252 | 3 |
| 7/25/2012 11:38:15 PM | 0.28 | 230 | 253 | 3 |
| 7/25/2012 11:39:15 PM | 0.28 | 230 | 253 | 3 |
| 7/25/2012 11:40:15 PM | 0.28 | 230 | 254 | 3 |
| 7/25/2012 11:41:15 PM | 0.28 | 231 | 255 | 3 |
| 7/25/2012 11:42:15 PM | 0.28 | 230 | 254 | 3 |
| 7/25/2012 11:43:15 PM | 0.28 | 231 | 256 | 3 |
| 7/25/2012 11:44:15 PM | 0.28 | 231 | 256 | 3 |
| 7/25/2012 11:45:15 PM | 0.28 | 231 | 254 | 3 |
| 7/25/2012 11:46:15 PM | 0.28 | 232 | 256 | 3 |
| 7/25/2012 11:47:15 PM | 0.28 | 231 | 256 | 3 |
| 7/25/2012 11:48:15 PM | 0.28 | 231 | 257 | 3 |
| 7/25/2012 11:49:15 PM | 0.28 | 231 | 261 | 3 |
| 7/25/2012 11:50:15 PM | 0.28 | 232 | 262 | 3 |
| 7/25/2012 11:51:15 PM | 0.28 | 231 | 259 | 3 |
| 7/25/2012 11:52:15 PM | 0.28 | 230 | 258 | 3 |
| 7/25/2012 11:53:15 PM | 0.28 | 229 | 259 | 3 |
| 7/25/2012 11:54:15 PM | 0.28 | 228 | 257 | 3 |
| 7/25/2012 11:55:15 PM | 0.28 | 228 | 258 | 3 |
| 7/25/2012 11:56:15 PM | 0.28 | 227 | 257 | 3 |
| 7/25/2012 11:57:15 PM | 0.28 | 228 | 254 | 4 |
| 7/25/2012 11:58:15 PM | 0.28 | 229 | 256 | 4 |
| 7/25/2012 11:59:15 PM | 0.28 | 230 | 257 | 4 |
| Averages | 0.30 | 213 | 260 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **26-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **26-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **14:50** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/26/2012 0:00:15 AM | 0.28 | 230 | 256 | 4 |
| 7/26/2012 0:01:15 AM | 0.28 | 231 | 259 | 3 |
| 7/26/2012 0:02:15 AM | 0.28 | 230 | 257 | 3 |
| 7/26/2012 0:03:15 AM | 0.28 | 230 | 256 | 4 |
| 7/26/2012 0:04:15 AM | 0.28 | 230 | 258 | 4 |
| 7/26/2012 0:05:15 AM | 0.28 | 231 | 257 | 4 |
| 7/26/2012 0:06:15 AM | 0.28 | 231 | 256 | 4 |
| 7/26/2012 0:07:15 AM | 0.28 | 231 | 258 | 3 |
| 7/26/2012 0:08:15 AM | 0.28 | 231 | 259 | 3 |
| 7/26/2012 0:09:15 AM | 0.28 | 231 | 256 | 4 |
| 7/26/2012 0:10:15 AM | 0.28 | 231 | 257 | 4 |
| 7/26/2012 0:11:15 AM | 0.28 | 232 | 257 | 4 |
| 7/26/2012 0:12:15 AM | 0.28 | 232 | 255 | 4 |
| 7/26/2012 0:13:15 AM | 0.28 | 231 | 256 | 3 |
| 7/26/2012 0:14:15 AM | 0.28 | 231 | 254 | 3 |
| 7/26/2012 0:15:15 AM | 0.28 | 231 | 255 | 3 |
| 7/26/2012 0:16:15 AM | 0.28 | 231 | 256 | 3 |
| 7/26/2012 0:17:15 AM | 0.28 | 231 | 255 | 3 |
| 7/26/2012 0:18:15 AM | 0.28 | 230 | 255 | 3 |
| 7/26/2012 0:19:15 AM | 0.28 | 231 | 256 | 3 |
| 7/26/2012 0:20:15 AM | 0.28 | 230 | 256 | 3 |
| 7/26/2012 0:21:15 AM | 0.28 | 230 | 256 | 4 |
| 7/26/2012 0:22:15 AM | 0.28 | 230 | 255 | 4 |
| 7/26/2012 0:23:15 AM | 0.28 | 229 | 256 | 4 |
| 7/26/2012 0:24:15 AM | 0.28 | 228 | 255 | 4 |
| 7/26/2012 0:25:15 AM | 0.28 | 228 | 256 | 4 |
| 7/26/2012 0:26:15 AM | 0.28 | 228 | 256 | 4 |
| 7/26/2012 0:27:15 AM | 0.28 | 228 | 254 | 4 |
| 7/26/2012 0:28:15 AM | 0.28 | 227 | 254 | 3 |
| 7/26/2012 0:29:15 AM | 0.28 | 226 | 254 | 3 |
| 7/26/2012 0:30:15 AM | 0.28 | 226 | 254 | 3 |
| 7/26/2012 0:31:15 AM | 0.28 | 226 | 252 | 3 |
| 7/26/2012 0:32:15 AM | 0.28 | 226 | 254 | 3 |
| 7/26/2012 0:33:15 AM | 0.28 | 225 | 254 | 3 |
| 7/26/2012 0:34:15 AM | 0.29 | 225 | 253 | 3 |
| 7/26/2012 0:35:15 AM | 0.28 | 224 | 254 | 3 |
| 7/26/2012 0:36:15 AM | 0.28 | 223 | 251 | 3 |
| 7/26/2012 0:37:15 AM | 0.29 | 222 | 252 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **26-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **26-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **14:50** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/26/2012 0:38:15 AM | 0.29 | 222 | 252 | 3 |
| 7/26/2012 0:39:15 AM | 0.28 | 222 | 252 | 3 |
| 7/26/2012 0:40:15 AM | 0.29 | 222 | 252 | 3 |
| 7/26/2012 0:41:15 AM | 0.29 | 222 | 253 | 3 |
| 7/26/2012 0:42:15 AM | 0.29 | 222 | 250 | 3 |
| 7/26/2012 0:43:15 AM | 0.29 | 222 | 251 | 3 |
| 7/26/2012 0:44:15 AM | 0.28 | 222 | 251 | 3 |
| 7/26/2012 0:45:15 AM | 0.28 | 223 | 250 | 3 |
| 7/26/2012 0:46:15 AM | 0.28 | 224 | 250 | 3 |
| 7/26/2012 0:47:15 AM | 0.28 | 224 | 249 | 3 |
| 7/26/2012 0:48:15 AM | 0.28 | 225 | 248 | 3 |
| 7/26/2012 0:49:15 AM | 0.29 | 226 | 251 | 3 |
| 7/26/2012 0:50:15 AM | 0.28 | 226 | 250 | 3 |
| 7/26/2012 0:51:15 AM | 0.28 | 226 | 250 | 3 |
| 7/26/2012 0:52:15 AM | 0.28 | 225 | 248 | 3 |
| 7/26/2012 0:53:15 AM | 0.28 | 226 | 250 | 3 |
| 7/26/2012 0:54:15 AM | 0.28 | 225 | 248 | 3 |
| 7/26/2012 0:55:15 AM | 0.28 | 224 | 248 | 3 |
| 7/26/2012 0:56:15 AM | 0.29 | 225 | 247 | 3 |
| 7/26/2012 0:57:15 AM | 0.28 | 224 | 248 | 3 |
| 7/26/2012 0:58:15 AM | 0.28 | 225 | 248 | 3 |
| 7/26/2012 0:59:15 AM | 0.28 | 225 | 249 | 3 |
| 7/26/2012 1:00:15 AM | 0.28 | 225 | 248 | 3 |
| 7/26/2012 1:01:15 AM | 0.28 | 225 | 248 | 3 |
| 7/26/2012 1:02:15 AM | 0.28 | 226 | 248 | 3 |
| 7/26/2012 1:03:15 AM | 0.28 | 226 | 247 | 3 |
| 7/26/2012 1:04:15 AM | 0.28 | 225 | 246 | 3 |
| 7/26/2012 1:05:15 AM | 0.28 | 225 | 248 | 3 |
| 7/26/2012 1:06:15 AM | 0.28 | 226 | 245 | 3 |
| 7/26/2012 1:07:15 AM | 0.29 | 226 | 247 | 3 |
| 7/26/2012 1:08:15 AM | 0.28 | 225 | 246 | 3 |
| 7/26/2012 1:09:15 AM | 0.28 | 226 | 245 | 3 |
| 7/26/2012 1:10:15 AM | 0.28 | 226 | 246 | 3 |
| 7/26/2012 1:11:15 AM | 0.29 | 227 | 248 | 3 |
| 7/26/2012 1:12:15 AM | 0.28 | 227 | 247 | 3 |
| 7/26/2012 1:13:15 AM | 0.28 | 227 | 248 | 3 |
| 7/26/2012 1:14:15 AM | 0.28 | 227 | 248 | 3 |
| 7/26/2012 1:15:15 AM | 0.28 | 227 | 248 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **26-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **26-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **14:50** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/26/2012 1:16:15 AM | 0.28 | 227 | 248 | 4 |
| 7/26/2012 1:17:15 AM | 0.28 | 226 | 248 | 4 |
| 7/26/2012 1:18:15 AM | 0.28 | 225 | 248 | 4 |
| 7/26/2012 1:19:15 AM | 0.28 | 226 | 248 | 3 |
| 7/26/2012 1:20:15 AM | 0.28 | 227 | 250 | 3 |
| 7/26/2012 1:21:15 AM | 0.28 | 226 | 248 | 3 |
| 7/26/2012 1:22:15 AM | 0.29 | 226 | 249 | 3 |
| 7/26/2012 1:23:15 AM | 0.28 | 226 | 250 | 3 |
| 7/26/2012 1:24:15 AM | 0.28 | 226 | 253 | 3 |
| 7/26/2012 1:25:15 AM | 0.29 | 226 | 254 | 3 |
| 7/26/2012 1:26:15 AM | 0.28 | 225 | 254 | 3 |
| 7/26/2012 1:27:15 AM | 0.28 | 226 | 253 | 3 |
| 7/26/2012 1:28:15 AM | 0.28 | 226 | 253 | 3 |
| 7/26/2012 1:29:15 AM | 0.28 | 227 | 253 | 3 |
| 7/26/2012 1:30:15 AM | 0.28 | 227 | 253 | 4 |
| 7/26/2012 1:31:15 AM | 0.28 | 227 | 252 | 4 |
| 7/26/2012 1:32:15 AM | 0.29 | 227 | 252 | 4 |
| 7/26/2012 1:33:15 AM | 0.28 | 226 | 252 | 4 |
| 7/26/2012 1:34:15 AM | 0.28 | 226 | 249 | 3 |
| 7/26/2012 1:35:15 AM | 0.28 | 225 | 251 | 3 |
| 7/26/2012 1:36:15 AM | 0.29 | 224 | 252 | 3 |
| 7/26/2012 1:37:15 AM | 0.28 | 224 | 253 | 3 |
| 7/26/2012 1:38:15 AM | 0.29 | 225 | 255 | 3 |
| 7/26/2012 1:39:15 AM | 0.28 | 224 | 254 | 3 |
| 7/26/2012 1:40:15 AM | 0.28 | 223 | 256 | 3 |
| 7/26/2012 1:41:15 AM | 0.28 | 224 | 257 | 3 |
| 7/26/2012 1:42:15 AM | 0.29 | 223 | 256 | 3 |
| 7/26/2012 1:43:15 AM | 0.28 | 224 | 255 | 2 |
| 7/26/2012 1:44:15 AM | 0.28 | 224 | 256 | 2 |
| 7/26/2012 1:45:15 AM | 0.29 | 224 | 257 | 3 |
| 7/26/2012 1:46:15 AM | 0.28 | 224 | 257 | 3 |
| 7/26/2012 1:47:15 AM | 0.29 | 225 | 258 | 3 |
| 7/26/2012 1:48:15 AM | 0.29 | 226 | 258 | 3 |
| 7/26/2012 1:49:15 AM | 0.29 | 226 | 259 | 2 |
| 7/26/2012 1:50:15 AM | 0.29 | 226 | 260 | 2 |
| 7/26/2012 1:51:15 AM | 0.28 | 225 | 259 | 3 |
| 7/26/2012 1:52:15 AM | 0.29 | 225 | 260 | 3 |
| 7/26/2012 1:53:15 AM | 0.28 | 225 | 261 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **26-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **26-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **14:50** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/26/2012 1:54:15 AM | 0.28 | 225 | 261 | 3 |
| 7/26/2012 1:55:15 AM | 0.29 | 224 | 263 | 3 |
| 7/26/2012 1:56:15 AM | 0.28 | 224 | 262 | 3 |
| 7/26/2012 1:57:15 AM | 0.28 | 224 | 261 | 3 |
| 7/26/2012 1:58:15 AM | 0.29 | 224 | 259 | 3 |
| 7/26/2012 1:59:15 AM | 0.28 | 223 | 258 | 3 |
| 7/26/2012 2:00:15 AM | 0.29 | 223 | 256 | 3 |
| 7/26/2012 2:01:15 AM | 0.28 | 224 | 257 | 3 |
| 7/26/2012 2:02:15 AM | 0.29 | 224 | 255 | 3 |
| 7/26/2012 2:03:15 AM | 0.28 | 224 | 255 | 3 |
| 7/26/2012 2:04:15 AM | 0.28 | 225 | 255 | 3 |
| 7/26/2012 2:05:15 AM | 0.28 | 225 | 254 | 3 |
| 7/26/2012 2:06:15 AM | 0.28 | 226 | 254 | 3 |
| 7/26/2012 2:07:15 AM | 0.28 | 226 | 253 | 3 |
| 7/26/2012 2:08:15 AM | 0.28 | 226 | 252 | 3 |
| 7/26/2012 2:09:15 AM | 0.28 | 227 | 253 | 3 |
| 7/26/2012 2:10:15 AM | 0.28 | 227 | 254 | 3 |
| 7/26/2012 2:11:15 AM | 0.28 | 228 | 255 | 3 |
| 7/26/2012 2:12:15 AM | 0.28 | 227 | 254 | 3 |
| 7/26/2012 2:13:15 AM | 0.28 | 228 | 253 | 3 |
| 7/26/2012 2:14:15 AM | 0.28 | 228 | 252 | 3 |
| 7/26/2012 2:15:15 AM | 0.28 | 228 | 254 | 3 |
| 7/26/2012 2:16:15 AM | 0.28 | 229 | 255 | 3 |
| 7/26/2012 2:17:15 AM | 0.28 | 229 | 256 | 3 |
| 7/26/2012 2:18:15 AM | 0.28 | 229 | 255 | 3 |
| 7/26/2012 2:19:15 AM | 0.28 | 228 | 254 | 3 |
| 7/26/2012 2:20:15 AM | 0.28 | 229 | 254 | 3 |
| 7/26/2012 2:21:15 AM | 0.28 | 229 | 254 | 3 |
| 7/26/2012 2:22:15 AM | 0.28 | 228 | 252 | 3 |
| 7/26/2012 2:23:15 AM | 0.28 | 228 | 254 | 3 |
| 7/26/2012 2:24:15 AM | 0.28 | 227 | 253 | 3 |
| 7/26/2012 2:25:15 AM | 0.28 | 227 | 254 | 3 |
| 7/26/2012 2:26:15 AM | 0.28 | 227 | 254 | 3 |
| 7/26/2012 2:27:15 AM | 0.28 | 227 | 253 | 3 |
| 7/26/2012 2:28:15 AM | 0.28 | 228 | 253 | 3 |
| 7/26/2012 2:29:15 AM | 0.28 | 228 | 253 | 3 |
| 7/26/2012 2:30:15 AM | 0.28 | 228 | 253 | 3 |
| 7/26/2012 2:31:15 AM | 0.28 | 229 | 254 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **26-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **26-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **14:50** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/26/2012 2:32:15 AM | 0.28 | 229 | 254 | 3 |
| 7/26/2012 2:33:15 AM | 0.29 | 230 | 254 | 3 |
| 7/26/2012 2:34:15 AM | 0.28 | 228 | 254 | 3 |
| 7/26/2012 2:35:15 AM | 0.28 | 228 | 256 | 3 |
| 7/26/2012 2:36:15 AM | 0.28 | 227 | 257 | 3 |
| 7/26/2012 2:37:15 AM | 0.28 | 227 | 257 | 3 |
| 7/26/2012 2:38:15 AM | 0.28 | 226 | 256 | 3 |
| 7/26/2012 2:39:15 AM | 0.29 | 227 | 257 | 3 |
| 7/26/2012 2:40:15 AM | 0.28 | 227 | 256 | 3 |
| 7/26/2012 2:41:15 AM | 0.28 | 227 | 254 | 3 |
| 7/26/2012 2:42:15 AM | 0.28 | 226 | 255 | 3 |
| 7/26/2012 2:43:15 AM | 0.28 | 226 | 254 | 4 |
| 7/26/2012 2:44:15 AM | 0.28 | 226 | 253 | 4 |
| 7/26/2012 2:45:15 AM | 0.28 | 226 | 252 | 4 |
| 7/26/2012 2:46:15 AM | 0.28 | 227 | 252 | 3 |
| 7/26/2012 2:47:15 AM | 0.28 | 227 | 253 | 3 |
| 7/26/2012 2:48:15 AM | 0.28 | 227 | 254 | 3 |
| 7/26/2012 2:49:15 AM | 0.28 | 227 | 254 | 3 |
| 7/26/2012 2:50:15 AM | 0.28 | 227 | 253 | 3 |
| 7/26/2012 2:51:15 AM | 0.28 | 227 | 252 | 3 |
| 7/26/2012 2:52:15 AM | 0.28 | 228 | 252 | 3 |
| 7/26/2012 2:53:15 AM | 0.28 | 228 | 252 | 3 |
| 7/26/2012 2:54:15 AM | 0.28 | 228 | 251 | 4 |
| 7/26/2012 2:55:15 AM | 0.28 | 228 | 251 | 4 |
| 7/26/2012 2:56:15 AM | 0.28 | 228 | 251 | 4 |
| 7/26/2012 2:57:15 AM | 0.29 | 228 | 252 | 4 |
| 7/26/2012 2:58:15 AM | 0.28 | 228 | 253 | 3 |
| 7/26/2012 2:59:15 AM | 0.28 | 227 | 252 | 3 |
| 7/26/2012 3:00:15 AM | 0.28 | 227 | 250 | 3 |
| 7/26/2012 3:01:15 AM | 0.28 | 227 | 251 | 3 |
| 7/26/2012 3:02:15 AM | 0.28 | 227 | 251 | 3 |
| 7/26/2012 3:03:15 AM | 0.28 | 227 | 251 | 3 |
| 7/26/2012 3:04:15 AM | 0.29 | 227 | 252 | 3 |
| 7/26/2012 3:05:15 AM | 0.28 | 227 | 252 | 3 |
| 7/26/2012 3:06:15 AM | 0.29 | 227 | 252 | 3 |
| 7/26/2012 3:07:15 AM | 0.28 | 228 | 253 | 3 |
| 7/26/2012 3:08:15 AM | 0.28 | 228 | 255 | 3 |
| 7/26/2012 3:09:15 AM | 0.28 | 229 | 256 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **26-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **26-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **14:50** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/26/2012 3:10:15 AM | 0.28 | 229 | 257 | 3 |
| 7/26/2012 3:11:15 AM | 0.29 | 228 | 258 | 3 |
| 7/26/2012 3:12:15 AM | 0.28 | 227 | 258 | 3 |
| 7/26/2012 3:13:15 AM | 0.28 | 227 | 259 | 3 |
| 7/26/2012 3:14:15 AM | 0.28 | 227 | 260 | 3 |
| 7/26/2012 3:15:15 AM | 0.28 | 227 | 260 | 3 |
| 7/26/2012 3:16:15 AM | 0.28 | 227 | 261 | 3 |
| 7/26/2012 3:17:15 AM | 0.28 | 227 | 260 | 3 |
| 7/26/2012 3:18:15 AM | 0.29 | 227 | 261 | 3 |
| 7/26/2012 3:19:15 AM | 0.28 | 226 | 262 | 3 |
| 7/26/2012 3:20:15 AM | 0.28 | 226 | 262 | 3 |
| 7/26/2012 3:21:15 AM | 0.28 | 226 | 262 | 3 |
| 7/26/2012 3:22:15 AM | 0.29 | 226 | 262 | 2 |
| 7/26/2012 3:23:15 AM | 0.28 | 226 | 263 | 2 |
| 7/26/2012 3:24:15 AM | 0.28 | 226 | 262 | 3 |
| 7/26/2012 3:25:15 AM | 0.28 | 225 | 263 | 3 |
| 7/26/2012 3:26:15 AM | 0.28 | 226 | 266 | 3 |
| 7/26/2012 3:27:15 AM | 0.28 | 225 | 264 | 3 |
| 7/26/2012 3:28:15 AM | 0.28 | 226 | 265 | 3 |
| 7/26/2012 3:29:15 AM | 0.28 | 226 | 265 | 3 |
| 7/26/2012 3:30:15 AM | 0.28 | 225 | 267 | 3 |
| 7/26/2012 3:31:15 AM | 0.28 | 226 | 265 | 3 |
| 7/26/2012 3:32:15 AM | 0.28 | 226 | 262 | 3 |
| 7/26/2012 3:33:15 AM | 0.28 | 226 | 261 | 3 |
| 7/26/2012 3:34:15 AM | 0.28 | 226 | 259 | 3 |
| 7/26/2012 3:35:15 AM | 0.28 | 226 | 258 | 3 |
| 7/26/2012 3:36:15 AM | 0.28 | 226 | 258 | 3 |
| 7/26/2012 3:37:15 AM | 0.29 | 227 | 257 | 3 |
| 7/26/2012 3:38:15 AM | 0.28 | 227 | 256 | 3 |
| 7/26/2012 3:39:15 AM | 0.28 | 227 | 256 | 4 |
| 7/26/2012 3:40:15 AM | 0.28 | 227 | 257 | 4 |
| 7/26/2012 3:41:15 AM | 0.28 | 228 | 256 | 4 |
| 7/26/2012 3:42:15 AM | 0.28 | 228 | 254 | 4 |
| 7/26/2012 3:43:15 AM | 0.28 | 227 | 254 | 4 |
| 7/26/2012 3:44:15 AM | 0.28 | 227 | 254 | 4 |
| 7/26/2012 3:45:15 AM | 0.28 | 227 | 253 | 4 |
| 7/26/2012 3:46:15 AM | 0.28 | 226 | 252 | 4 |
| 7/26/2012 3:47:15 AM | 0.29 | 226 | 251 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **26-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **26-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **14:50** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/26/2012 3:48:15 AM | 0.29 | 226 | 252 | 4 |
| 7/26/2012 3:49:15 AM | 0.29 | 225 | 253 | 3 |
| 7/26/2012 3:50:15 AM | 0.29 | 225 | 252 | 3 |
| 7/26/2012 3:51:15 AM | 0.28 | 224 | 250 | 3 |
| 7/26/2012 3:52:15 AM | 0.29 | 224 | 252 | 3 |
| 7/26/2012 3:53:15 AM | 0.29 | 224 | 249 | 3 |
| 7/26/2012 3:54:15 AM | 0.29 | 224 | 247 | 3 |
| 7/26/2012 3:55:15 AM | 0.29 | 224 | 250 | 3 |
| 7/26/2012 3:56:15 AM | 0.29 | 225 | 250 | 3 |
| 7/26/2012 3:57:15 AM | 0.29 | 225 | 248 | 3 |
| 7/26/2012 3:58:15 AM | 0.29 | 226 | 248 | 4 |
| 7/26/2012 3:59:15 AM | 0.28 | 226 | 249 | 4 |
| 7/26/2012 4:00:15 AM | 0.28 | 225 | 247 | 4 |
| 7/26/2012 4:01:15 AM | 0.28 | 225 | 248 | 4 |
| 7/26/2012 4:02:15 AM | 0.28 | 225 | 247 | 4 |
| 7/26/2012 4:03:15 AM | 0.28 | 225 | 246 | 3 |
| 7/26/2012 4:04:15 AM | 0.29 | 225 | 247 | 3 |
| 7/26/2012 4:05:15 AM | 0.28 | 224 | 246 | 3 |
| 7/26/2012 4:06:15 AM | 0.29 | 224 | 243 | 3 |
| 7/26/2012 4:07:15 AM | 0.29 | 224 | 243 | 3 |
| 7/26/2012 4:08:15 AM | 0.28 | 225 | 243 | 3 |
| 7/26/2012 4:09:15 AM | 0.29 | 224 | 244 | 3 |
| 7/26/2012 4:10:15 AM | 0.28 | 224 | 245 | 3 |
| 7/26/2012 4:11:15 AM | 0.28 | 224 | 243 | 3 |
| 7/26/2012 4:12:15 AM | 0.28 | 224 | 243 | 3 |
| 7/26/2012 4:13:15 AM | 0.28 | 224 | 244 | 3 |
| 7/26/2012 4:14:15 AM | 0.28 | 224 | 243 | 3 |
| 7/26/2012 4:15:15 AM | 0.28 | 225 | 243 | 3 |
| 7/26/2012 4:16:15 AM | 0.29 | 225 | 244 | 3 |
| 7/26/2012 4:17:15 AM | 0.28 | 224 | 244 | 3 |
| 7/26/2012 4:18:15 AM | 0.29 | 224 | 244 | 3 |
| 7/26/2012 4:19:15 AM | 0.29 | 223 | 243 | 3 |
| 7/26/2012 4:20:15 AM | 0.29 | 224 | 244 | 3 |
| 7/26/2012 4:21:15 AM | 0.28 | 224 | 244 | 3 |
| 7/26/2012 4:22:15 AM | 0.28 | 224 | 244 | 3 |
| 7/26/2012 4:23:15 AM | 0.29 | 224 | 244 | 3 |
| 7/26/2012 4:24:15 AM | 0.29 | 223 | 246 | 3 |
| 7/26/2012 4:25:15 AM | 0.28 | 222 | 247 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **26-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **26-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **14:50** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/26/2012 4:26:15 AM | 0.28 | 222 | 249 | 3 |
| 7/26/2012 4:27:15 AM | 0.28 | 222 | 249 | 3 |
| 7/26/2012 4:28:15 AM | 0.29 | 222 | 248 | 2 |
| 7/26/2012 4:29:15 AM | 0.28 | 223 | 249 | 2 |
| 7/26/2012 4:30:15 AM | 0.28 | 223 | 249 | 2 |
| 7/26/2012 4:31:15 AM | 0.28 | 223 | 248 | 3 |
| 7/26/2012 4:32:15 AM | 0.28 | 224 | 249 | 2 |
| 7/26/2012 4:33:15 AM | 0.29 | 224 | 248 | 2 |
| 7/26/2012 4:34:15 AM | 0.28 | 225 | 249 | 3 |
| 7/26/2012 4:35:15 AM | 0.29 | 225 | 250 | 2 |
| 7/26/2012 4:36:15 AM | 0.28 | 225 | 251 | 3 |
| 7/26/2012 4:37:15 AM | 0.28 | 225 | 252 | 3 |
| 7/26/2012 4:38:15 AM | 0.28 | 225 | 252 | 3 |
| 7/26/2012 4:39:15 AM | 0.28 | 226 | 252 | 3 |
| 7/26/2012 4:40:15 AM | 0.28 | 226 | 252 | 2 |
| 7/26/2012 4:41:15 AM | 0.28 | 226 | 252 | 2 |
| 7/26/2012 4:42:15 AM | 0.28 | 226 | 252 | 2 |
| 7/26/2012 4:43:15 AM | 0.28 | 225 | 253 | 2 |
| 7/26/2012 4:44:15 AM | 0.28 | 224 | 253 | 2 |
| 7/26/2012 4:45:15 AM | 0.28 | 224 | 253 | 2 |
| 7/26/2012 4:46:15 AM | 0.28 | 224 | 255 | 2 |
| 7/26/2012 4:47:15 AM | 0.28 | 224 | 256 | 2 |
| 7/26/2012 4:48:15 AM | 0.28 | 223 | 258 | 3 |
| 7/26/2012 4:49:15 AM | 0.28 | 223 | 259 | 3 |
| 7/26/2012 4:50:15 AM | 0.28 | 224 | 256 | 4 |
| 7/26/2012 4:51:15 AM | 0.28 | 225 | 254 | 3 |
| 7/26/2012 4:52:15 AM | 0.28 | 226 | 254 | 3 |
| 7/26/2012 4:53:15 AM | 0.28 | 227 | 253 | 3 |
| 7/26/2012 4:54:15 AM | 0.28 | 227 | 251 | 3 |
| 7/26/2012 4:55:15 AM | 0.28 | 228 | 252 | 3 |
| 7/26/2012 4:56:15 AM | 0.28 | 228 | 252 | 4 |
| 7/26/2012 4:57:15 AM | 0.28 | 228 | 252 | 3 |
| 7/26/2012 4:58:15 AM | 0.29 | 229 | 253 | 3 |
| 7/26/2012 4:59:15 AM | 0.28 | 228 | 253 | 3 |
| 7/26/2012 5:00:15 AM | 0.28 | 228 | 252 | 3 |
| 7/26/2012 5:01:15 AM | 0.28 | 228 | 253 | 3 |
| 7/26/2012 5:02:15 AM | 0.28 | 227 | 254 | 3 |
| 7/26/2012 5:03:15 AM | 0.28 | 227 | 252 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **26-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **26-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **14:50** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/26/2012 5:04:15 AM | 0.28 | 228 | 253 | 4 |
| 7/26/2012 5:05:15 AM | 0.28 | 228 | 255 | 4 |
| 7/26/2012 5:06:15 AM | 0.28 | 228 | 254 | 4 |
| 7/26/2012 5:07:15 AM | 0.28 | 228 | 255 | 3 |
| 7/26/2012 5:08:15 AM | 0.28 | 229 | 257 | 4 |
| 7/26/2012 5:09:15 AM | 0.28 | 228 | 254 | 4 |
| 7/26/2012 5:10:15 AM | 0.28 | 228 | 253 | 3 |
| 7/26/2012 5:11:15 AM | 0.28 | 228 | 253 | 3 |
| 7/26/2012 5:12:15 AM | 0.28 | 228 | 250 | 3 |
| 7/26/2012 5:13:15 AM | 0.28 | 228 | 250 | 3 |
| 7/26/2012 5:14:15 AM | 0.28 | 228 | 249 | 3 |
| 7/26/2012 5:15:15 AM | 0.28 | 228 | 248 | 3 |
| 7/26/2012 5:16:15 AM | 0.28 | 228 | 248 | 3 |
| 7/26/2012 5:17:15 AM | 0.28 | 228 | 252 | 4 |
| 7/26/2012 5:18:15 AM | 0.28 | 228 | 252 | 3 |
| 7/26/2012 5:19:15 AM | 0.28 | 229 | 253 | 3 |
| 7/26/2012 5:20:15 AM | 0.28 | 229 | 253 | 3 |
| 7/26/2012 5:21:15 AM | 0.28 | 229 | 252 | 3 |
| 7/26/2012 5:22:15 AM | 0.28 | 229 | 252 | 3 |
| 7/26/2012 5:23:15 AM | 0.28 | 229 | 251 | 3 |
| 7/26/2012 5:24:15 AM | 0.28 | 229 | 252 | 3 |
| 7/26/2012 5:25:15 AM | 0.28 | 229 | 249 | 3 |
| 7/26/2012 5:26:15 AM | 0.28 | 228 | 250 | 3 |
| 7/26/2012 5:27:15 AM | 0.28 | 228 | 249 | 3 |
| 7/26/2012 5:28:15 AM | 0.28 | 229 | 252 | 3 |
| 7/26/2012 5:29:15 AM | 0.28 | 230 | 251 | 3 |
| 7/26/2012 5:30:15 AM | 0.28 | 230 | 251 | 3 |
| 7/26/2012 5:31:15 AM | 0.28 | 230 | 254 | 3 |
| 7/26/2012 5:32:15 AM | 0.28 | 230 | 249 | 3 |
| 7/26/2012 5:33:15 AM | 0.28 | 229 | 255 | 3 |
| 7/26/2012 5:34:15 AM | 0.28 | 228 | 258 | 3 |
| 7/26/2012 5:35:15 AM | 0.28 | 227 | 258 | 3 |
| 7/26/2012 5:36:15 AM | 0.29 | 227 | 259 | 3 |
| 7/26/2012 5:37:15 AM | 0.28 | 227 | 261 | 2 |
| 7/26/2012 5:38:15 AM | 0.28 | 227 | 262 | 2 |
| 7/26/2012 5:39:15 AM | 0.28 | 227 | 262 | 3 |
| 7/26/2012 5:40:15 AM | 0.28 | 228 | 263 | 3 |
| 7/26/2012 5:41:15 AM | 0.28 | 229 | 264 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **26-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **26-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **14:50** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/26/2012 5:42:15 AM | 0.28 | 229 | 265 | 3 |
| 7/26/2012 5:43:15 AM | 0.28 | 230 | 266 | 3 |
| 7/26/2012 5:44:15 AM | 0.28 | 230 | 267 | 4 |
| 7/26/2012 5:45:15 AM | 0.28 | 230 | 267 | 3 |
| 7/26/2012 5:46:15 AM | 0.28 | 230 | 267 | 3 |
| 7/26/2012 5:47:15 AM | 0.28 | 231 | 267 | 3 |
| 7/26/2012 5:48:15 AM | 0.28 | 230 | 267 | 3 |
| 7/26/2012 5:49:15 AM | 0.28 | 230 | 269 | 3 |
| 7/26/2012 5:50:15 AM | 0.28 | 230 | 270 | 3 |
| 7/26/2012 5:51:15 AM | 0.28 | 230 | 271 | 3 |
| 7/26/2012 5:52:15 AM | 0.28 | 230 | 272 | 4 |
| 7/26/2012 5:53:15 AM | 0.28 | 229 | 272 | 4 |
| 7/26/2012 5:54:15 AM | 0.28 | 229 | 272 | 4 |
| 7/26/2012 5:55:15 AM | 0.28 | 229 | 274 | 4 |
| 7/26/2012 5:56:15 AM | 0.28 | 229 | 272 | 4 |
| 7/26/2012 5:57:15 AM | 0.28 | 229 | 272 | 3 |
| 7/26/2012 5:58:15 AM | 0.28 | 228 | 272 | 3 |
| 7/26/2012 5:59:15 AM | 0.28 | 228 | 272 | 3 |
| 7/26/2012 6:00:15 AM | 0.28 | 229 | 271 | 3 |
| 7/26/2012 6:01:15 AM | 0.28 | 229 | 269 | 3 |
| 7/26/2012 6:02:15 AM | 0.28 | 229 | 267 | 3 |
| 7/26/2012 6:03:15 AM | 0.28 | 230 | 267 | 3 |
| 7/26/2012 6:04:15 AM | 0.28 | 230 | 268 | 3 |
| 7/26/2012 6:05:15 AM | 0.28 | 230 | 268 | 3 |
| 7/26/2012 6:06:15 AM | 0.28 | 229 | 266 | 4 |
| 7/26/2012 6:07:15 AM | 0.29 | 229 | 266 | 4 |
| 7/26/2012 6:08:15 AM | 0.28 | 229 | 266 | 3 |
| 7/26/2012 6:09:15 AM | 0.28 | 229 | 265 | 4 |
| 7/26/2012 6:10:15 AM | 0.28 | 229 | 266 | 4 |
| 7/26/2012 6:11:15 AM | 0.28 | 229 | 267 | 3 |
| 7/26/2012 6:12:15 AM | 0.28 | 229 | 267 | 3 |
| 7/26/2012 6:13:15 AM | 0.29 | 229 | 267 | 3 |
| 7/26/2012 6:14:15 AM | 0.28 | 230 | 265 | 3 |
| 7/26/2012 6:15:15 AM | 0.28 | 230 | 263 | 4 |
| 7/26/2012 6:16:15 AM | 0.28 | 230 | 265 | 4 |
| 7/26/2012 6:17:15 AM | 0.28 | 230 | 265 | 4 |
| 7/26/2012 6:18:15 AM | 0.28 | 230 | 264 | 3 |
| 7/26/2012 6:19:15 AM | 0.29 | 229 | 265 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **26-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **26-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **14:50** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/26/2012 6:20:15 AM | 0.28 | 229 | 265 | 4 |
| 7/26/2012 6:21:15 AM | 0.28 | 229 | 264 | 4 |
| 7/26/2012 6:22:15 AM | 0.28 | 229 | 266 | 4 |
| 7/26/2012 6:23:15 AM | 0.28 | 229 | 266 | 4 |
| 7/26/2012 6:24:15 AM | 0.28 | 229 | 263 | 4 |
| 7/26/2012 6:25:15 AM | 0.28 | 229 | 264 | 3 |
| 7/26/2012 6:26:15 AM | 0.28 | 228 | 264 | 3 |
| 7/26/2012 6:27:15 AM | 0.29 | 229 | 263 | 4 |
| 7/26/2012 6:28:15 AM | 0.28 | 228 | 262 | 3 |
| 7/26/2012 6:29:15 AM | 0.28 | 227 | 260 | 3 |
| 7/26/2012 6:30:15 AM | 0.29 | 227 | 262 | 4 |
| 7/26/2012 6:31:15 AM | 0.29 | 227 | 262 | 4 |
| 7/26/2012 6:32:15 AM | 0.29 | 227 | 262 | 4 |
| 7/26/2012 6:33:15 AM | 0.29 | 227 | 261 | 4 |
| 7/26/2012 6:34:15 AM | 0.29 | 226 | 262 | 3 |
| 7/26/2012 6:35:15 AM | 0.28 | 227 | 263 | 3 |
| 7/26/2012 6:36:15 AM | 0.29 | 227 | 261 | 3 |
| 7/26/2012 6:37:15 AM | 0.28 | 226 | 260 | 3 |
| 7/26/2012 6:38:15 AM | 0.29 | 226 | 261 | 3 |
| 7/26/2012 6:39:15 AM | 0.28 | 227 | 260 | 3 |
| 7/26/2012 6:40:15 AM | 0.28 | 227 | 261 | 4 |
| 7/26/2012 6:41:15 AM | 0.28 | 228 | 260 | 3 |
| 7/26/2012 6:42:15 AM | 0.28 | 227 | 258 | 3 |
| 7/26/2012 6:43:15 AM | 0.29 | 228 | 261 | 3 |
| 7/26/2012 6:44:15 AM | 0.28 | 228 | 261 | 3 |
| 7/26/2012 6:45:15 AM | 0.29 | 229 | 263 | 3 |
| 7/26/2012 6:46:15 AM | 0.28 | 229 | 264 | 3 |
| 7/26/2012 6:47:15 AM | 0.28 | 230 | 265 | 3 |
| 7/26/2012 6:48:15 AM | 0.28 | 230 | 264 | 3 |
| 7/26/2012 6:49:15 AM | 0.29 | 231 | 267 | 3 |
| 7/26/2012 6:50:15 AM | 0.28 | 231 | 265 | 3 |
| 7/26/2012 6:51:15 AM | 0.28 | 231 | 266 | 3 |
| 7/26/2012 6:52:15 AM | 0.29 | 231 | 266 | 3 |
| 7/26/2012 6:53:15 AM | 0.28 | 231 | 268 | 3 |
| 7/26/2012 6:54:15 AM | 0.28 | 231 | 271 | 3 |
| 7/26/2012 6:55:15 AM | 0.29 | 231 | 274 | 3 |
| 7/26/2012 6:56:15 AM | 0.28 | 231 | 274 | 3 |
| 7/26/2012 6:57:15 AM | 0.29 | 231 | 273 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **26-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **26-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **14:50** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/26/2012 6:58:15 AM | 0.28 | 232 | 277 | 3 |
| 7/26/2012 6:59:15 AM | 0.28 | 232 | 275 | 3 |
| 7/26/2012 7:00:15 AM | 0.28 | 232 | 278 | 4 |
| 7/26/2012 7:01:15 AM | 0.28 | 232 | 280 | 4 |
| 7/26/2012 7:02:15 AM | 0.29 | 232 | 282 | 4 |
| 7/26/2012 7:03:15 AM | 0.29 | 231 | 280 | 4 |
| 7/26/2012 7:04:15 AM | 0.28 | 230 | 278 | 4 |
| 7/26/2012 7:05:15 AM | 0.28 | 230 | 280 | 4 |
| 7/26/2012 7:06:15 AM | 0.28 | 230 | 280 | 4 |
| 7/26/2012 7:07:15 AM | 0.29 | 231 | 279 | 3 |
| 7/26/2012 7:08:15 AM | 0.28 | 230 | 282 | 3 |
| 7/26/2012 7:09:15 AM | 0.28 | 231 | 282 | 3 |
| 7/26/2012 7:10:15 AM | 0.28 | 230 | 282 | 3 |
| 7/26/2012 7:11:15 AM | 0.28 | 230 | 280 | 3 |
| 7/26/2012 7:12:15 AM | 0.28 | 231 | 278 | 3 |
| 7/26/2012 7:13:15 AM | 0.29 | 230 | 279 | 3 |
| 7/26/2012 7:14:15 AM | 0.29 | 230 | 277 | 3 |
| 7/26/2012 7:15:15 AM | 0.28 | 230 | 278 | 3 |
| 7/26/2012 7:16:15 AM | 0.29 | 230 | 277 | 3 |
| 7/26/2012 7:17:15 AM | 0.28 | 230 | 275 | 3 |
| 7/26/2012 7:18:15 AM | 0.28 | 231 | 273 | 3 |
| 7/26/2012 7:19:15 AM | 0.28 | 231 | 275 | 3 |
| 7/26/2012 7:20:15 AM | 0.29 | 231 | 275 | 3 |
| 7/26/2012 7:21:15 AM | 0.29 | 231 | 275 | 3 |
| 7/26/2012 7:22:15 AM | 0.28 | 231 | 276 | 3 |
| 7/26/2012 7:23:15 AM | 0.28 | 231 | 278 | 3 |
| 7/26/2012 7:24:15 AM | 0.28 | 230 | 277 | 3 |
| 7/26/2012 7:25:15 AM | 0.28 | 230 | 276 | 3 |
| 7/26/2012 7:26:15 AM | 0.29 | 231 | 276 | 3 |
| 7/26/2012 7:27:15 AM | 0.28 | 230 | 278 | 3 |
| 7/26/2012 7:28:15 AM | 0.29 | 231 | 279 | 3 |
| 7/26/2012 7:29:15 AM | 0.28 | 231 | 280 | 3 |
| 7/26/2012 7:30:15 AM | 0.28 | 231 | 278 | 3 |
| 7/26/2012 7:31:15 AM | 0.29 | 230 | 277 | 3 |
| 7/26/2012 7:32:15 AM | 0.28 | 231 | 277 | 3 |
| 7/26/2012 7:33:15 AM | 0.29 | 231 | 277 | 3 |
| 7/26/2012 7:34:15 AM | 0.28 | 231 | 280 | 3 |
| 7/26/2012 7:35:15 AM | 0.28 | 231 | 279 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **26-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **26-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **14:50** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/26/2012 7:36:15 AM | 0.28 | 230 | 278 | 3 |
| 7/26/2012 7:37:15 AM | 0.28 | 231 | 279 | 3 |
| 7/26/2012 7:38:15 AM | 0.28 | 231 | 277 | 3 |
| 7/26/2012 7:39:15 AM | 0.29 | 231 | 276 | 3 |
| 7/26/2012 7:40:15 AM | 0.28 | 231 | 276 | 3 |
| 7/26/2012 7:41:15 AM | 0.28 | 231 | 274 | 3 |
| 7/26/2012 7:42:15 AM | 0.28 | 231 | 274 | 3 |
| 7/26/2012 7:43:15 AM | 0.28 | 230 | 277 | 3 |
| 7/26/2012 7:44:15 AM | 0.28 | 229 | 277 | 3 |
| 7/26/2012 7:45:15 AM | 0.28 | 230 | 277 | 3 |
| 7/26/2012 7:46:15 AM | 0.28 | 229 | 276 | 2 |
| 7/26/2012 7:47:15 AM | 0.28 | 228 | 277 | 2 |
| 7/26/2012 7:48:15 AM | 0.28 | 228 | 276 | 3 |
| 7/26/2012 7:49:15 AM | 0.28 | 228 | 277 | 3 |
| 7/26/2012 7:50:15 AM | 0.28 | 227 | 276 | 3 |
| 7/26/2012 7:51:15 AM | 0.28 | 228 | 276 | 3 |
| 7/26/2012 7:52:15 AM | 0.28 | 228 | 276 | 3 |
| 7/26/2012 7:53:15 AM | 0.28 | 228 | 275 | 3 |
| 7/26/2012 7:54:15 AM | 0.28 | 228 | 274 | 3 |
| 7/26/2012 7:55:15 AM | 0.28 | 228 | 272 | 3 |
| 7/26/2012 7:56:15 AM | 0.28 | 228 | 272 | 3 |
| 7/26/2012 7:57:15 AM | 0.28 | 228 | 272 | 3 |
| 7/26/2012 7:58:15 AM | 0.28 | 228 | 273 | 3 |
| 7/26/2012 7:59:15 AM | 0.28 | 228 | 273 | 3 |
| 7/26/2012 8:00:15 AM | 0.28 | 229 | 274 | 3 |
| 7/26/2012 8:01:15 AM | 0.28 | 229 | 274 | 3 |
| 7/26/2012 8:02:15 AM | 0.28 | 229 | 276 | 3 |
| 7/26/2012 8:03:15 AM | 0.28 | 230 | 275 | 3 |
| 7/26/2012 8:04:15 AM | 0.28 | 231 | 275 | 3 |
| 7/26/2012 8:05:15 AM | 0.28 | 230 | 275 | 3 |
| 7/26/2012 8:06:15 AM | 0.28 | 230 | 273 | 3 |
| 7/26/2012 8:07:15 AM | 0.28 | 231 | 273 | 3 |
| 7/26/2012 8:08:15 AM | 0.28 | 230 | 271 | 3 |
| 7/26/2012 8:09:15 AM | 0.28 | 229 | 272 | 3 |
| 7/26/2012 8:10:15 AM | 0.29 | 229 | 272 | 3 |
| 7/26/2012 8:11:15 AM | 0.29 | 230 | 269 | 3 |
| 7/26/2012 8:12:15 AM | 0.28 | 229 | 269 | 3 |
| 7/26/2012 8:13:15 AM | 0.28 | 230 | 272 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **26-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **26-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **14:50** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/26/2012 8:14:15 AM | 0.28 | 231 | 273 | 3 |
| 7/26/2012 8:15:15 AM | 0.29 | 231 | 273 | 3 |
| 7/26/2012 8:16:15 AM | 0.28 | 231 | 271 | 3 |
| 7/26/2012 8:17:15 AM | 0.28 | 231 | 270 | 3 |
| 7/26/2012 8:18:15 AM | 0.28 | 232 | 273 | 3 |
| 7/26/2012 8:19:15 AM | 0.29 | 231 | 277 | 2 |
| 7/26/2012 8:20:15 AM | 0.29 | 232 | 278 | 2 |
| 7/26/2012 8:21:15 AM | 0.28 | 231 | 282 | 2 |
| 7/26/2012 8:22:15 AM | 0.28 | 231 | 284 | 2 |
| 7/26/2012 8:23:15 AM | 0.28 | 231 | 285 | 2 |
| 7/26/2012 8:24:15 AM | 0.28 | 231 | 287 | 2 |
| 7/26/2012 8:25:15 AM | 0.29 | 232 | 287 | 2 |
| 7/26/2012 8:26:15 AM | 0.28 | 232 | 287 | 2 |
| 7/26/2012 8:27:15 AM | 0.28 | 232 | 287 | 2 |
| 7/26/2012 8:28:15 AM | 0.28 | 231 | 289 | 2 |
| 7/26/2012 8:29:15 AM | 0.28 | 232 | 292 | 2 |
| 7/26/2012 8:30:15 AM | 0.29 | 231 | 293 | 3 |
| 7/26/2012 8:31:15 AM | 0.28 | 231 | 293 | 3 |
| 7/26/2012 8:32:15 AM | 0.29 | 230 | 293 | 3 |
| 7/26/2012 8:33:15 AM | 0.28 | 231 | 293 | 2 |
| 7/26/2012 8:34:15 AM | 0.28 | 232 | 295 | 2 |
| 7/26/2012 8:35:15 AM | 0.28 | 232 | 295 | 2 |
| 7/26/2012 8:36:15 AM | 0.28 | 232 | 297 | 3 |
| 7/26/2012 8:37:15 AM | 0.28 | 233 | 297 | 3 |
| 7/26/2012 8:38:15 AM | 0.28 | 233 | 298 | 3 |
| 7/26/2012 8:39:15 AM | 0.29 | 233 | 297 | 3 |
| 7/26/2012 8:40:15 AM | 0.28 | 233 | 296 | 3 |
| 7/26/2012 8:41:15 AM | 0.28 | 232 | 293 | 3 |
| 7/26/2012 8:42:15 AM | 0.28 | 231 | 293 | 3 |
| 7/26/2012 8:43:15 AM | 0.28 | 231 | 294 | 3 |
| 7/26/2012 8:44:15 AM | 0.28 | 231 | 295 | 3 |
| 7/26/2012 8:45:15 AM | 0.28 | 231 | 293 | 3 |
| 7/26/2012 8:46:15 AM | 0.28 | 231 | 294 | 3 |
| 7/26/2012 8:47:15 AM | 0.28 | 230 | 295 | 3 |
| 7/26/2012 8:48:15 AM | 0.29 | 230 | 294 | 3 |
| 7/26/2012 8:49:15 AM | 0.28 | 230 | 294 | 3 |
| 7/26/2012 8:50:15 AM | 0.28 | 230 | 294 | 3 |
| 7/26/2012 8:51:15 AM | 0.29 | 229 | 292 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **26-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **26-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **14:50** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/26/2012 8:52:15 AM | 0.28 | 230 | 290 | 3 |
| 7/26/2012 8:53:15 AM | 0.29 | 231 | 290 | 3 |
| 7/26/2012 8:54:15 AM | 0.29 | 231 | 292 | 3 |
| 7/26/2012 8:55:15 AM | 0.28 | 231 | 292 | 3 |
| 7/26/2012 8:56:15 AM | 0.28 | 231 | 292 | 3 |
| 7/26/2012 8:57:15 AM | 0.28 | 231 | 292 | 3 |
| 7/26/2012 8:58:15 AM | 0.28 | 231 | 289 | 3 |
| 7/26/2012 8:59:15 AM | 0.28 | 230 | 290 | 3 |
| 7/26/2012 9:00:15 AM | 0.29 | 231 | 291 | 3 |
| 7/26/2012 9:01:15 AM | 0.29 | 231 | 290 | 3 |
| 7/26/2012 9:02:15 AM | 0.28 | 231 | 289 | 3 |
| 7/26/2012 9:03:15 AM | 0.29 | 231 | 288 | 3 |
| 7/26/2012 9:04:15 AM | 0.28 | 231 | 289 | 3 |
| 7/26/2012 9:05:15 AM | 0.29 | 231 | 288 | 3 |
| 7/26/2012 9:06:15 AM | 0.28 | 231 | 287 | 3 |
| 7/26/2012 9:07:15 AM | 0.28 | 230 | 288 | 3 |
| 7/26/2012 9:08:15 AM | 0.28 | 230 | 288 | 3 |
| 7/26/2012 9:09:15 AM | 0.28 | 230 | 287 | 3 |
| 7/26/2012 9:10:15 AM | 0.28 | 231 | 288 | 3 |
| 7/26/2012 9:11:15 AM | 0.29 | 231 | 289 | 3 |
| 7/26/2012 9:12:15 AM | 0.28 | 231 | 289 | 3 |
| 7/26/2012 9:13:15 AM | 0.28 | 231 | 287 | 3 |
| 7/26/2012 9:14:15 AM | 0.28 | 231 | 285 | 3 |
| 7/26/2012 9:15:15 AM | 0.28 | 231 | 282 | 3 |
| 7/26/2012 9:16:15 AM | 0.28 | 231 | 286 | 3 |
| 7/26/2012 9:17:15 AM | 0.28 | 231 | 285 | 3 |
| 7/26/2012 9:18:15 AM | 0.28 | 231 | 286 | 3 |
| 7/26/2012 9:19:15 AM | 0.28 | 231 | 285 | 3 |
| 7/26/2012 9:20:15 AM | 0.28 | 231 | 286 | 3 |
| 7/26/2012 9:21:15 AM | 0.28 | 231 | 285 | 3 |
| 7/26/2012 9:22:15 AM | 0.28 | 231 | 288 | 3 |
| 7/26/2012 9:23:15 AM | 0.28 | 230 | 290 | 3 |
| 7/26/2012 9:24:15 AM | 0.28 | 230 | 287 | 3 |
| 7/26/2012 9:25:15 AM | 0.28 | 231 | 287 | 2 |
| 7/26/2012 9:26:15 AM | 0.28 | 231 | 287 | 2 |
| 7/26/2012 9:27:15 AM | 0.28 | 231 | 285 | 3 |
| 7/26/2012 9:28:15 AM | 0.28 | 231 | 287 | 3 |
| 7/26/2012 9:29:15 AM | 0.28 | 230 | 285 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **26-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **26-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **14:50** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/26/2012 9:30:15 AM | 0.28 | 230 | 286 | 3 |
| 7/26/2012 9:31:15 AM | 0.28 | 230 | 288 | 3 |
| 7/26/2012 9:32:15 AM | 0.29 | 230 | 290 | 3 |
| 7/26/2012 9:33:15 AM | 0.28 | 230 | 289 | 3 |
| 7/26/2012 9:34:15 AM | 0.29 | 230 | 288 | 3 |
| 7/26/2012 9:35:15 AM | 0.28 | 230 | 287 | 3 |
| 7/26/2012 9:36:15 AM | 0.29 | 231 | 288 | 3 |
| 7/26/2012 9:37:15 AM | 0.29 | 231 | 286 | 3 |
| 7/26/2012 9:38:15 AM | 0.28 | 231 | 286 | 3 |
| 7/26/2012 9:39:15 AM | 0.28 | 231 | 284 | 3 |
| 7/26/2012 9:40:15 AM | 0.28 | 230 | 284 | 3 |
| 7/26/2012 9:41:15 AM | 0.28 | 230 | 283 | 3 |
| 7/26/2012 9:42:15 AM | 0.29 | 230 | 287 | 3 |
| 7/26/2012 9:43:15 AM | 0.28 | 230 | 287 | 3 |
| 7/26/2012 9:44:15 AM | 0.28 | 230 | 284 | 3 |
| 7/26/2012 9:45:15 AM | 0.28 | 230 | 275 | 3 |
| 7/26/2012 9:46:15 AM | Start Calibration | | | |
| 7/26/2012 9:47:15 AM | | | | |
| 7/26/2012 9:48:15 AM | | | | |
| 7/26/2012 9:49:15 AM | | | | |
| 7/26/2012 9:50:15 AM | | | | |
| 7/26/2012 9:51:15 AM | | | | |
| 7/26/2012 9:52:15 AM | | | | |
| 7/26/2012 9:53:15 AM | | | | |
| 7/26/2012 9:54:15 AM | | | | |
| 7/26/2012 9:55:15 AM | | | | |
| 7/26/2012 9:56:15 AM | | | | |
| 7/26/2012 9:57:15 AM | | | | |
| 7/26/2012 9:58:15 AM | | | | |
| 7/26/2012 9:59:15 AM | | | | |
| 7/26/2012 10:00:15 AM | | | | |
| 7/26/2012 10:01:15 AM | | | | |
| 7/26/2012 10:02:15 AM | | | | |
| 7/26/2012 10:03:15 AM | | | | |
| 7/26/2012 10:04:15 AM | | | | |
| 7/26/2012 10:05:15 AM | | | | |
| 7/26/2012 10:06:15 AM | | | | |
| 7/26/2012 10:07:15 AM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **26-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **26-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **14:50** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/26/2012 10:08:15 AM | | | | |
| 7/26/2012 10:09:15 AM | | | | |
| 7/26/2012 10:10:15 AM | | | | |
| 7/26/2012 10:11:15 AM | | | | |
| 7/26/2012 10:12:15 AM | | | | |
| 7/26/2012 10:13:15 AM | | | | |
| 7/26/2012 10:14:15 AM | | | | |
| 7/26/2012 10:15:15 AM | | | | |
| 7/26/2012 10:16:15 AM | | | | |
| 7/26/2012 10:17:15 AM | | | | |
| 7/26/2012 10:18:15 AM | | | | |
| 7/26/2012 10:19:15 AM | | | | |
| 7/26/2012 10:20:15 AM | | | | |
| 7/26/2012 10:21:15 AM | | | | |
| 7/26/2012 10:22:15 AM | | | | |
| 7/26/2012 10:23:15 AM | | | | |
| 7/26/2012 10:24:15 AM | | | | |
| 7/26/2012 10:25:15 AM | | | | |
| 7/26/2012 10:26:15 AM | | | | |
| 7/26/2012 10:27:15 AM | | | | |
| 7/26/2012 10:28:15 AM | | | | |
| 7/26/2012 10:29:15 AM | End Calibration | | | |
| 7/26/2012 10:30:15 AM | 0.28 | 226 | 208 | 3 |
| 7/26/2012 10:31:15 AM | 0.28 | 226 | 214 | 3 |
| 7/26/2012 10:32:15 AM | 0.28 | 227 | 217 | 3 |
| 7/26/2012 10:33:15 AM | 0.29 | 227 | 217 | 3 |
| 7/26/2012 10:34:15 AM | 0.28 | 227 | 221 | 2 |
| 7/26/2012 10:35:15 AM | 0.28 | 227 | 221 | 3 |
| 7/26/2012 10:36:15 AM | 0.29 | 227 | 223 | 3 |
| 7/26/2012 10:37:15 AM | 0.28 | 228 | 224 | 3 |
| 7/26/2012 10:38:15 AM | 0.29 | 227 | 224 | 3 |
| 7/26/2012 10:39:15 AM | 0.28 | 227 | 227 | 3 |
| 7/26/2012 10:40:15 AM | 0.28 | 226 | 228 | 2 |
| 7/26/2012 10:41:15 AM | 0.29 | 226 | 228 | 3 |
| 7/26/2012 10:42:15 AM | 0.28 | 226 | 229 | 3 |
| 7/26/2012 10:43:15 AM | 0.28 | 226 | 231 | 3 |
| 7/26/2012 10:44:15 AM | 0.29 | 225 | 232 | 3 |
| 7/26/2012 10:45:15 AM | 0.28 | 225 | 234 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **26-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **26-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **14:50** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/26/2012 10:46:15 AM | 0.29 | 225 | 234 | 3 |
| 7/26/2012 10:47:15 AM | 0.29 | 225 | 235 | 3 |
| 7/26/2012 10:48:15 AM | 0.28 | 225 | 234 | 3 |
| 7/26/2012 10:49:15 AM | 0.28 | 225 | 237 | 2 |
| 7/26/2012 10:50:15 AM | 0.29 | 226 | 237 | 2 |
| 7/26/2012 10:51:15 AM | 0.29 | 225 | 237 | 2 |
| 7/26/2012 10:52:15 AM | 0.29 | 225 | 242 | 2 |
| 7/26/2012 10:53:15 AM | 0.28 | 225 | 241 | 2 |
| 7/26/2012 10:54:15 AM | 0.29 | 225 | 239 | 2 |
| 7/26/2012 10:55:15 AM | 0.29 | 226 | 238 | 2 |
| 7/26/2012 10:56:15 AM | 0.28 | 225 | 239 | 2 |
| 7/26/2012 10:57:15 AM | 0.28 | 225 | 239 | 2 |
| 7/26/2012 10:58:15 AM | 0.28 | 225 | 241 | 2 |
| 7/26/2012 10:59:15 AM | 0.28 | 225 | 243 | 2 |
| 7/26/2012 11:00:15 AM | 0.28 | 225 | 242 | 2 |
| 7/26/2012 11:01:15 AM | 0.29 | 226 | 242 | 2 |
| 7/26/2012 11:02:15 AM | 0.28 | 226 | 242 | 2 |
| 7/26/2012 11:03:15 AM | 0.28 | 226 | 243 | 3 |
| 7/26/2012 11:04:15 AM | 0.28 | 227 | 246 | 3 |
| 7/26/2012 11:05:15 AM | 0.28 | 228 | 247 | 3 |
| 7/26/2012 11:06:15 AM | 0.28 | 228 | 245 | 3 |
| 7/26/2012 11:07:15 AM | 0.28 | 227 | 247 | 3 |
| 7/26/2012 11:08:15 AM | 0.28 | 226 | 247 | 3 |
| 7/26/2012 11:09:15 AM | 0.29 | 226 | 247 | 3 |
| 7/26/2012 11:10:15 AM | 0.28 | 225 | 249 | 3 |
| 7/26/2012 11:11:15 AM | 0.28 | 226 | 247 | 3 |
| 7/26/2012 11:12:15 AM | 0.29 | 226 | 246 | 3 |
| 7/26/2012 11:13:15 AM | 0.29 | 226 | 247 | 3 |
| 7/26/2012 11:14:15 AM | 0.28 | 225 | 247 | 3 |
| 7/26/2012 11:15:15 AM | 0.28 | 226 | 248 | 3 |
| 7/26/2012 11:16:15 AM | 0.28 | 225 | 250 | 2 |
| 7/26/2012 11:17:15 AM | 0.29 | 225 | 252 | 2 |
| 7/26/2012 11:18:15 AM | 0.28 | 226 | 252 | 2 |
| 7/26/2012 11:19:15 AM | 0.28 | 227 | 251 | 2 |
| 7/26/2012 11:20:15 AM | 0.28 | 228 | 252 | 2 |
| 7/26/2012 11:21:15 AM | 0.28 | 229 | 254 | 2 |
| 7/26/2012 11:22:15 AM | 0.28 | 229 | 253 | 2 |
| 7/26/2012 11:23:15 AM | 0.28 | 229 | 255 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **26-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **26-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **14:50** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/26/2012 11:24:15 AM | 0.28 | 229 | 254 | 3 |
| 7/26/2012 11:25:15 AM | 0.28 | 230 | 255 | 3 |
| 7/26/2012 11:26:15 AM | 0.28 | 230 | 254 | 3 |
| 7/26/2012 11:27:15 AM | 0.28 | 230 | 255 | 3 |
| 7/26/2012 11:28:15 AM | 0.28 | 229 | 257 | 3 |
| 7/26/2012 11:29:15 AM | 0.28 | 229 | 258 | 3 |
| 7/26/2012 11:30:15 AM | 0.29 | 229 | 258 | 3 |
| 7/26/2012 11:31:15 AM | 0.29 | 228 | 256 | 3 |
| 7/26/2012 11:32:15 AM | 0.29 | 228 | 258 | 2 |
| 7/26/2012 11:33:15 AM | 0.28 | 227 | 257 | 2 |
| 7/26/2012 11:34:15 AM | 0.28 | 228 | 258 | 2 |
| 7/26/2012 11:35:15 AM | 0.29 | 228 | 258 | 2 |
| 7/26/2012 11:36:15 AM | 0.29 | 228 | 258 | 3 |
| 7/26/2012 11:37:15 AM | 0.28 | 226 | 260 | 3 |
| 7/26/2012 11:38:15 AM | 0.28 | 226 | 260 | 3 |
| 7/26/2012 11:39:15 AM | 0.29 | 226 | 261 | 3 |
| 7/26/2012 11:40:15 AM | 0.29 | 225 | 261 | 3 |
| 7/26/2012 11:41:15 AM | 0.29 | 224 | 261 | 3 |
| 7/26/2012 11:42:15 AM | 0.28 | 223 | 258 | 3 |
| 7/26/2012 11:43:15 AM | 0.29 | 223 | 258 | 2 |
| 7/26/2012 11:44:15 AM | 0.29 | 224 | 259 | 2 |
| 7/26/2012 11:45:15 AM | 0.29 | 224 | 257 | 2 |
| 7/26/2012 11:46:15 AM | 0.29 | 223 | 257 | 2 |
| 7/26/2012 11:47:15 AM | 0.29 | 223 | 258 | 2 |
| 7/26/2012 11:48:15 AM | 0.29 | 222 | 259 | 3 |
| 7/26/2012 11:49:15 AM | 0.29 | 222 | 258 | 3 |
| 7/26/2012 11:50:15 AM | 0.29 | 221 | 260 | 3 |
| 7/26/2012 11:51:15 AM | 0.29 | 221 | 259 | 3 |
| 7/26/2012 11:52:15 AM | 0.29 | 222 | 259 | 3 |
| 7/26/2012 11:53:15 AM | 0.29 | 222 | 257 | 3 |
| 7/26/2012 11:54:15 AM | 0.29 | 222 | 257 | 3 |
| 7/26/2012 11:55:15 AM | 0.29 | 221 | 255 | 3 |
| 7/26/2012 11:56:15 AM | 0.29 | 222 | 257 | 3 |
| 7/26/2012 11:57:15 AM | 0.29 | 223 | 255 | 3 |
| 7/26/2012 11:58:15 AM | 0.29 | 223 | 256 | 3 |
| 7/26/2012 11:59:15 AM | 0.29 | 222 | 255 | 3 |
| 7/26/2012 12:00:15 PM | 0.29 | 223 | 256 | 3 |
| 7/26/2012 12:01:15 PM | 0.28 | 221 | 256 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **26-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **26-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **14:50** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/26/2012 12:02:15 PM | 0.29 | 222 | 257 | 2 |
| 7/26/2012 12:03:15 PM | 0.29 | 223 | 257 | 2 |
| 7/26/2012 12:04:15 PM | 0.29 | 223 | 260 | 3 |
| 7/26/2012 12:05:15 PM | 0.28 | 225 | 261 | 2 |
| 7/26/2012 12:06:15 PM | 0.28 | 226 | 259 | 3 |
| 7/26/2012 12:07:15 PM | 0.28 | 226 | 258 | 3 |
| 7/26/2012 12:08:15 PM | 0.28 | 226 | 259 | 3 |
| 7/26/2012 12:09:15 PM | 0.29 | 226 | 259 | 3 |
| 7/26/2012 12:10:15 PM | 0.28 | 225 | 261 | 3 |
| 7/26/2012 12:11:15 PM | 0.29 | 225 | 260 | 3 |
| 7/26/2012 12:12:15 PM | 0.28 | 225 | 259 | 3 |
| 7/26/2012 12:13:15 PM | 0.28 | 225 | 259 | 2 |
| 7/26/2012 12:14:15 PM | 0.29 | 224 | 258 | 2 |
| 7/26/2012 12:15:15 PM | 0.28 | 224 | 260 | 2 |
| 7/26/2012 12:16:15 PM | 0.29 | 224 | 259 | 2 |
| 7/26/2012 12:17:15 PM | 0.29 | 224 | 258 | 2 |
| 7/26/2012 12:18:15 PM | 0.28 | 224 | 258 | 3 |
| 7/26/2012 12:19:15 PM | 0.29 | 224 | 259 | 3 |
| 7/26/2012 12:20:15 PM | 0.29 | 223 | 262 | 3 |
| 7/26/2012 12:21:15 PM | 0.29 | 224 | 260 | 3 |
| 7/26/2012 12:22:15 PM | 0.29 | 224 | 261 | 3 |
| 7/26/2012 12:23:15 PM | 0.28 | 225 | 262 | 3 |
| 7/26/2012 12:24:15 PM | 0.29 | 226 | 262 | 3 |
| 7/26/2012 12:25:15 PM | 0.29 | 226 | 262 | 2 |
| 7/26/2012 12:26:15 PM | 0.28 | 227 | 263 | 2 |
| 7/26/2012 12:27:15 PM | 0.28 | 226 | 263 | 2 |
| 7/26/2012 12:28:15 PM | 0.28 | 225 | 265 | 2 |
| 7/26/2012 12:29:15 PM | 0.29 | 224 | 265 | 2 |
| 7/26/2012 12:30:15 PM | 0.29 | 225 | 264 | 2 |
| 7/26/2012 12:31:15 PM | 0.29 | 225 | 264 | 2 |
| 7/26/2012 12:32:15 PM | 0.29 | 225 | 264 | 3 |
| 7/26/2012 12:33:15 PM | 0.29 | 225 | 263 | 2 |
| 7/26/2012 12:34:15 PM | 0.29 | 226 | 262 | 2 |
| 7/26/2012 12:35:15 PM | 0.28 | 226 | 263 | 2 |
| 7/26/2012 12:36:15 PM | 0.28 | 227 | 262 | 2 |
| 7/26/2012 12:37:15 PM | 0.28 | 227 | 266 | 2 |
| 7/26/2012 12:38:15 PM | 0.28 | 226 | 264 | 2 |
| 7/26/2012 12:39:15 PM | 0.29 | 225 | 264 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **26-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **26-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **14:50** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/26/2012 12:40:15 PM | 0.28 | 226 | 266 | 3 |
| 7/26/2012 12:41:15 PM | 0.28 | 228 | 267 | 3 |
| 7/26/2012 12:42:15 PM | 0.28 | 228 | 264 | 3 |
| 7/26/2012 12:43:15 PM | 0.28 | 228 | 264 | 2 |
| 7/26/2012 12:44:15 PM | 0.28 | 229 | 264 | 2 |
| 7/26/2012 12:45:15 PM | 0.28 | 229 | 264 | 2 |
| 7/26/2012 12:46:15 PM | 0.28 | 230 | 267 | 2 |
| 7/26/2012 12:47:15 PM | 0.28 | 229 | 268 | 2 |
| 7/26/2012 12:48:15 PM | 0.28 | 229 | 269 | 2 |
| 7/26/2012 12:49:15 PM | 0.28 | 229 | 271 | 2 |
| 7/26/2012 12:50:15 PM | 0.29 | 229 | 268 | 2 |
| 7/26/2012 12:51:15 PM | 0.29 | 228 | 268 | 3 |
| 7/26/2012 12:52:15 PM | 0.29 | 227 | 268 | 3 |
| 7/26/2012 12:53:15 PM | 0.29 | 228 | 268 | 3 |
| 7/26/2012 12:54:15 PM | 0.29 | 228 | 269 | 2 |
| 7/26/2012 12:55:15 PM | 0.28 | 228 | 269 | 3 |
| 7/26/2012 12:56:15 PM | 0.28 | 228 | 269 | 3 |
| 7/26/2012 12:57:15 PM | 0.29 | 228 | 272 | 3 |
| 7/26/2012 12:58:15 PM | 0.28 | 229 | 271 | 3 |
| 7/26/2012 12:59:15 PM | 0.28 | 229 | 272 | 2 |
| 7/26/2012 1:00:15 PM | 0.28 | 229 | 274 | 2 |
| 7/26/2012 1:01:15 PM | 0.28 | 230 | 276 | 2 |
| 7/26/2012 1:02:15 PM | 0.28 | 231 | 274 | 3 |
| 7/26/2012 1:03:15 PM | 0.28 | 231 | 273 | 3 |
| 7/26/2012 1:04:15 PM | 0.28 | 231 | 271 | 2 |
| 7/26/2012 1:05:15 PM | 0.28 | 231 | 273 | 2 |
| 7/26/2012 1:06:15 PM | 0.29 | 232 | 272 | 3 |
| 7/26/2012 1:07:15 PM | 0.29 | 231 | 274 | 2 |
| 7/26/2012 1:08:15 PM | 0.28 | 230 | 274 | 2 |
| 7/26/2012 1:09:15 PM | 0.29 | 229 | 273 | 2 |
| 7/26/2012 1:10:15 PM | 0.29 | 228 | 275 | 2 |
| 7/26/2012 1:11:15 PM | 0.28 | 228 | 273 | 2 |
| 7/26/2012 1:12:15 PM | 0.29 | 229 | 273 | 2 |
| 7/26/2012 1:13:15 PM | 0.28 | 228 | 275 | 2 |
| 7/26/2012 1:14:15 PM | 0.29 | 228 | 276 | 2 |
| 7/26/2012 1:15:15 PM | 0.29 | 227 | 277 | 2 |
| 7/26/2012 1:16:15 PM | 0.29 | 227 | 274 | 2 |
| 7/26/2012 1:17:15 PM | 0.29 | 226 | 276 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **26-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **26-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **14:50** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/26/2012 1:18:15 PM | 0.29 | 226 | 272 | 2 |
| 7/26/2012 1:19:15 PM | 0.29 | 225 | 272 | 2 |
| 7/26/2012 1:20:15 PM | 0.29 | 225 | 273 | 2 |
| 7/26/2012 1:21:15 PM | 0.29 | 225 | 275 | 3 |
| 7/26/2012 1:22:15 PM | 0.29 | 226 | 273 | 3 |
| 7/26/2012 1:23:15 PM | 0.29 | 228 | 272 | 3 |
| 7/26/2012 1:24:15 PM | 0.29 | 230 | 274 | 3 |
| 7/26/2012 1:25:15 PM | 0.29 | 231 | 277 | 3 |
| 7/26/2012 1:26:15 PM | 0.29 | 232 | 278 | 3 |
| 7/26/2012 1:27:15 PM | 0.28 | 231 | 278 | 3 |
| 7/26/2012 1:28:15 PM | 0.29 | 230 | 278 | 2 |
| 7/26/2012 1:29:15 PM | 0.29 | 229 | 278 | 2 |
| 7/26/2012 1:30:15 PM | 0.28 | 229 | 278 | 2 |
| 7/26/2012 1:31:15 PM | 0.29 | 229 | 279 | 2 |
| 7/26/2012 1:32:15 PM | 0.29 | 229 | 278 | 2 |
| 7/26/2012 1:33:15 PM | 0.29 | 228 | 277 | 2 |
| 7/26/2012 1:34:15 PM | 0.28 | 227 | 278 | 3 |
| 7/26/2012 1:35:15 PM | 0.29 | 226 | 278 | 2 |
| 7/26/2012 1:36:15 PM | 0.29 | 226 | 277 | 3 |
| 7/26/2012 1:37:15 PM | 0.29 | 226 | 280 | 3 |
| 7/26/2012 1:38:15 PM | 0.29 | 225 | 278 | 3 |
| 7/26/2012 1:39:15 PM | 0.29 | 225 | 277 | 2 |
| 7/26/2012 1:40:15 PM | 0.29 | 225 | 277 | 2 |
| 7/26/2012 1:41:15 PM | 0.29 | 226 | 278 | 2 |
| 7/26/2012 1:42:15 PM | 0.29 | 226 | 277 | 2 |
| 7/26/2012 1:43:15 PM | 0.29 | 226 | 277 | 3 |
| 7/26/2012 1:44:15 PM | 0.30 | 225 | 276 | 3 |
| 7/26/2012 1:45:15 PM | 0.29 | 225 | 276 | 3 |
| 7/26/2012 1:46:15 PM | 0.29 | 225 | 277 | 2 |
| 7/26/2012 1:47:15 PM | 0.29 | 224 | 278 | 2 |
| 7/26/2012 1:48:15 PM | 0.29 | 224 | 277 | 2 |
| 7/26/2012 1:49:15 PM | 0.29 | 225 | 275 | 2 |
| 7/26/2012 1:50:15 PM | 0.29 | 225 | 273 | 2 |
| 7/26/2012 1:51:15 PM | 0.29 | 224 | 272 | 2 |
| 7/26/2012 1:52:15 PM | 0.29 | 224 | 272 | 3 |
| 7/26/2012 1:53:15 PM | 0.29 | 224 | 272 | 2 |
| 7/26/2012 1:54:15 PM | 0.29 | 223 | 273 | 3 |
| 7/26/2012 1:55:15 PM | 0.29 | 223 | 272 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **26-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **26-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **14:50** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/26/2012 1:56:15 PM | 0.30 | 223 | 272 | 2 |
| 7/26/2012 1:57:15 PM | 0.29 | 222 | 270 | 3 |
| 7/26/2012 1:58:15 PM | 0.29 | 222 | 270 | 3 |
| 7/26/2012 1:59:15 PM | 0.30 | 222 | 267 | 3 |
| 7/26/2012 2:00:15 PM | 0.30 | 222 | 267 | 3 |
| 7/26/2012 2:01:15 PM | 0.30 | 223 | 265 | 3 |
| 7/26/2012 2:02:15 PM | 0.30 | 224 | 266 | 3 |
| 7/26/2012 2:03:15 PM | 0.30 | 222 | 263 | 3 |
| 7/26/2012 2:04:15 PM | 0.30 | 222 | 266 | 2 |
| 7/26/2012 2:05:15 PM | 0.30 | 222 | 263 | 2 |
| 7/26/2012 2:06:15 PM | 0.30 | 220 | 263 | 2 |
| 7/26/2012 2:07:15 PM | 0.30 | 221 | 260 | 2 |
| 7/26/2012 2:08:15 PM | 0.30 | 221 | 259 | 2 |
| 7/26/2012 2:09:15 PM | 0.30 | 220 | 257 | 2 |
| 7/26/2012 2:10:15 PM | 0.30 | 221 | 257 | 2 |
| 7/26/2012 2:11:15 PM | 0.29 | 220 | 256 | 2 |
| 7/26/2012 2:12:15 PM | 0.30 | 221 | 257 | 3 |
| 7/26/2012 2:13:15 PM | 0.29 | 221 | 259 | 3 |
| 7/26/2012 2:14:15 PM | 0.30 | 222 | 258 | 3 |
| 7/26/2012 2:15:15 PM | 0.30 | 220 | 262 | 3 |
| 7/26/2012 2:16:15 PM | 0.30 | 220 | 259 | 2 |
| 7/26/2012 2:17:15 PM | 0.30 | 219 | 261 | 2 |
| 7/26/2012 2:18:15 PM | 0.30 | 219 | 258 | 2 |
| 7/26/2012 2:19:15 PM | 0.30 | 218 | 258 | 2 |
| 7/26/2012 2:20:15 PM | 0.30 | 218 | 258 | 3 |
| 7/26/2012 2:21:15 PM | 0.30 | 218 | 254 | 3 |
| 7/26/2012 2:22:15 PM | 0.30 | 217 | 253 | 3 |
| 7/26/2012 2:23:15 PM | 0.31 | 217 | 253 | 3 |
| 7/26/2012 2:24:15 PM | 0.30 | 217 | 253 | 3 |
| 7/26/2012 2:25:15 PM | 0.30 | 217 | 253 | 3 |
| 7/26/2012 2:26:15 PM | 0.30 | 217 | 252 | 3 |
| 7/26/2012 2:27:15 PM | 0.30 | 217 | 252 | 3 |
| 7/26/2012 2:28:15 PM | 0.31 | 218 | 253 | 3 |
| 7/26/2012 2:29:15 PM | 0.30 | 218 | 249 | 3 |
| 7/26/2012 2:30:15 PM | 0.30 | 218 | 248 | 3 |
| 7/26/2012 2:31:15 PM | 0.30 | 218 | 248 | 3 |
| 7/26/2012 2:32:15 PM | 0.30 | 218 | 248 | 3 |
| 7/26/2012 2:33:15 PM | 0.30 | 218 | 248 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **26-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **26-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **14:50** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/26/2012 2:34:15 PM | 0.30 | 217 | 248 | 2 |
| 7/26/2012 2:35:15 PM | 0.30 | 217 | 247 | 2 |
| 7/26/2012 2:36:15 PM | 0.30 | 217 | 247 | 2 |
| 7/26/2012 2:37:15 PM | 0.30 | 217 | 247 | 2 |
| 7/26/2012 2:38:15 PM | 0.30 | 217 | 246 | 2 |
| 7/26/2012 2:39:15 PM | 0.30 | 218 | 247 | 3 |
| 7/26/2012 2:40:15 PM | 0.29 | 219 | 248 | 3 |
| 7/26/2012 2:41:15 PM | 0.30 | 220 | 247 | 3 |
| 7/26/2012 2:42:15 PM | 0.29 | 221 | 248 | 3 |
| 7/26/2012 2:43:15 PM | 0.29 | 221 | 248 | 3 |
| 7/26/2012 2:44:15 PM | 0.29 | 221 | 248 | 3 |
| 7/26/2012 2:45:15 PM | 0.29 | 221 | 248 | 3 |
| 7/26/2012 2:46:15 PM | 0.30 | 220 | 247 | 3 |
| 7/26/2012 2:47:15 PM | 0.30 | 220 | 246 | 3 |
| 7/26/2012 2:48:15 PM | 0.30 | 219 | 243 | 3 |
| 7/26/2012 2:49:15 PM | 0.30 | 219 | 248 | 3 |
| 7/26/2012 2:50:15 PM | 0.30 | 219 | 250 | 3 |
| Averages | 0.28 | 227 | 262 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **27-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **27-Jul-12** |
| | | **Start Time:** | **15:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/27/2012 5:01:31 PM | 0.29 | 215 | 284 | 10 |
| 7/27/2012 5:02:31 PM | 0.29 | 215 | 293 | 10 |
| 7/27/2012 5:03:31 PM | 0.29 | 215 | 297 | 10 |
| 7/27/2012 5:04:31 PM | 0.29 | 214 | 302 | 10 |
| 7/27/2012 5:05:31 PM | 0.28 | 214 | 306 | 10 |
| 7/27/2012 5:06:31 PM | 0.28 | 214 | 307 | 10 |
| 7/27/2012 5:07:31 PM | 0.29 | 215 | 310 | 10 |
| 7/27/2012 5:08:31 PM | 0.29 | 214 | 312 | 10 |
| 7/27/2012 5:09:31 PM | 0.29 | 214 | 311 | 11 |
| 7/27/2012 5:10:31 PM | 0.29 | 214 | 312 | 11 |
| 7/27/2012 5:11:31 PM | 0.29 | 214 | 311 | 11 |
| 7/27/2012 5:12:31 PM | 0.29 | 213 | 309 | 11 |
| 7/27/2012 5:13:31 PM | 0.28 | 213 | 308 | 11 |
| 7/27/2012 5:14:31 PM | 0.28 | 213 | 308 | 11 |
| 7/27/2012 5:15:31 PM | 0.28 | 212 | 307 | 11 |
| 7/27/2012 5:16:31 PM | 0.28 | 212 | 307 | 11 |
| 7/27/2012 5:17:31 PM | 0.28 | 211 | 307 | 11 |
| 7/27/2012 5:18:31 PM | 0.28 | 212 | 305 | 11 |
| 7/27/2012 5:19:31 PM | 0.28 | 211 | 306 | 11 |
| 7/27/2012 5:20:31 PM | 0.29 | 210 | 305 | 11 |
| 7/27/2012 5:21:31 PM | 0.28 | 209 | 303 | 11 |
| 7/27/2012 5:22:31 PM | 0.28 | 210 | 307 | 11 |
| 7/27/2012 5:23:31 PM | 0.28 | 212 | 308 | 11 |
| 7/27/2012 5:24:31 PM | 0.28 | 212 | 310 | 11 |
| 7/27/2012 5:25:31 PM | 0.28 | 212 | 311 | 12 |
| 7/27/2012 5:26:31 PM | 0.28 | 213 | 312 | 12 |
| 7/27/2012 5:27:31 PM | 0.28 | 214 | 314 | 12 |
| 7/27/2012 5:28:31 PM | 0.28 | 213 | 315 | 12 |
| 7/27/2012 5:29:31 PM | 0.29 | 213 | 316 | 12 |
| 7/27/2012 5:30:31 PM | 0.29 | 213 | 313 | 12 |
| 7/27/2012 5:31:31 PM | 0.29 | 213 | 315 | 12 |
| 7/27/2012 5:32:31 PM | 0.29 | 212 | 315 | 12 |
| 7/27/2012 5:33:31 PM | 0.28 | 211 | 311 | 12 |
| 7/27/2012 5:34:31 PM | 0.28 | 209 | 305 | 12 |
| 7/27/2012 5:35:31 PM | 0.28 | 207 | 301 | 12 |
| 7/27/2012 5:36:31 PM | 0.28 | 207 | 304 | 12 |
| 7/27/2012 5:37:31 PM | 0.28 | 208 | 306 | 11 |
| 7/27/2012 5:38:31 PM | 0.28 | 208 | 307 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **27-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **27-Jul-12** |
| | | **Start Time:** | **15:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/27/2012 5:39:31 PM | 0.28 | 208 | 306 | 11 |
| 7/27/2012 5:40:31 PM | 0.28 | 207 | 305 | 11 |
| 7/27/2012 5:41:31 PM | 0.28 | 206 | 304 | 12 |
| 7/27/2012 5:42:31 PM | 0.28 | 206 | 303 | 11 |
| 7/27/2012 5:43:31 PM | 0.28 | 206 | 302 | 11 |
| 7/27/2012 5:44:31 PM | 0.28 | 205 | 300 | 12 |
| 7/27/2012 5:45:31 PM | 0.28 | 205 | 297 | 12 |
| 7/27/2012 5:46:31 PM | 0.28 | 205 | 298 | 12 |
| 7/27/2012 5:47:31 PM | 0.28 | 204 | 298 | 12 |
| 7/27/2012 5:48:31 PM | 0.28 | 203 | 293 | 12 |
| 7/27/2012 5:49:31 PM | 0.28 | 202 | 292 | 12 |
| 7/27/2012 5:50:31 PM | 0.28 | 202 | 291 | 12 |
| 7/27/2012 5:51:31 PM | 0.28 | 201 | 289 | 12 |
| 7/27/2012 5:52:31 PM | 0.28 | 201 | 287 | 12 |
| 7/27/2012 5:53:31 PM | 0.28 | 202 | 287 | 12 |
| 7/27/2012 5:54:31 PM | 0.28 | 202 | 289 | 12 |
| 7/27/2012 5:55:31 PM | 0.29 | 203 | 290 | 12 |
| 7/27/2012 5:56:31 PM | 0.29 | 202 | 289 | 12 |
| 7/27/2012 5:57:31 PM | 0.28 | 201 | 287 | 12 |
| 7/27/2012 5:58:31 PM | 0.29 | 201 | 287 | 12 |
| 7/27/2012 5:59:31 PM | 0.29 | 200 | 287 | 12 |
| 7/27/2012 6:00:31 PM | 0.29 | 200 | 287 | 12 |
| 7/27/2012 6:01:31 PM | 0.29 | 200 | 287 | 13 |
| 7/27/2012 6:02:31 PM | 0.29 | 200 | 284 | 13 |
| 7/27/2012 6:03:31 PM | 0.28 | 200 | 283 | 13 |
| 7/27/2012 6:04:31 PM | 0.28 | 200 | 285 | 12 |
| 7/27/2012 6:05:31 PM | 0.29 | 201 | 287 | 12 |
| 7/27/2012 6:06:31 PM | 0.28 | 202 | 286 | 12 |
| 7/27/2012 6:07:31 PM | 0.28 | 201 | 287 | 12 |
| 7/27/2012 6:08:31 PM | 0.28 | 201 | 282 | 12 |
| 7/27/2012 6:09:31 PM | 0.29 | 201 | 282 | 12 |
| 7/27/2012 6:10:31 PM | 0.28 | 201 | 281 | 12 |
| 7/27/2012 6:11:31 PM | 0.28 | 200 | 281 | 12 |
| 7/27/2012 6:12:31 PM | 0.29 | 200 | 279 | 12 |
| 7/27/2012 6:13:31 PM | 0.29 | 200 | 282 | 11 |
| 7/27/2012 6:14:31 PM | 0.29 | 200 | 282 | 11 |
| 7/27/2012 6:15:31 PM | 0.29 | 200 | 281 | 11 |
| 7/27/2012 6:16:31 PM | 0.28 | 199 | 280 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **27-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **27-Jul-12** |
| | | **Start Time:** | **15:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/27/2012 6:17:31 PM | 0.29 | 199 | 277 | 11 |
| 7/27/2012 6:18:31 PM | 0.28 | 199 | 276 | 12 |
| 7/27/2012 6:19:31 PM | 0.29 | 199 | 277 | 12 |
| 7/27/2012 6:20:31 PM | 0.29 | 199 | 276 | 12 |
| 7/27/2012 6:21:31 PM | 0.29 | 199 | 277 | 12 |
| 7/27/2012 6:22:31 PM | 0.29 | 199 | 277 | 12 |
| 7/27/2012 6:23:31 PM | 0.28 | 198 | 276 | 12 |
| 7/27/2012 6:24:31 PM | 0.29 | 198 | 276 | 12 |
| 7/27/2012 6:25:31 PM | 0.29 | 198 | 276 | 11 |
| 7/27/2012 6:26:31 PM | 0.29 | 199 | 277 | 11 |
| 7/27/2012 6:27:31 PM | 0.29 | 199 | 277 | 12 |
| 7/27/2012 6:28:31 PM | 0.29 | 200 | 277 | 12 |
| 7/27/2012 6:29:31 PM | 0.28 | 199 | 276 | 12 |
| 7/27/2012 6:30:31 PM | 0.28 | 199 | 273 | 12 |
| 7/27/2012 6:31:31 PM | 0.28 | 200 | 273 | 12 |
| 7/27/2012 6:32:31 PM | 0.28 | 200 | 272 | 12 |
| 7/27/2012 6:33:31 PM | 0.28 | 200 | 273 | 12 |
| 7/27/2012 6:34:31 PM | 0.28 | 201 | 274 | 12 |
| 7/27/2012 6:35:31 PM | 0.28 | 201 | 276 | 12 |
| 7/27/2012 6:36:31 PM | 0.28 | 201 | 275 | 12 |
| 7/27/2012 6:37:31 PM | 0.29 | 201 | 277 | 11 |
| 7/27/2012 6:38:31 PM | 0.29 | 201 | 276 | 11 |
| 7/27/2012 6:39:31 PM | 0.28 | 200 | 273 | 11 |
| 7/27/2012 6:40:31 PM | 0.28 | 199 | 270 | 11 |
| 7/27/2012 6:41:31 PM | 0.28 | 198 | 268 | 11 |
| 7/27/2012 6:42:31 PM | 0.28 | 198 | 267 | 11 |
| 7/27/2012 6:43:31 PM | 0.28 | 198 | 268 | 11 |
| 7/27/2012 6:44:31 PM | 0.29 | 198 | 269 | 11 |
| 7/27/2012 6:45:31 PM | 0.29 | 199 | 267 | 11 |
| 7/27/2012 6:46:31 PM | 0.28 | 198 | 269 | 11 |
| 7/27/2012 6:47:31 PM | 0.29 | 199 | 269 | 11 |
| 7/27/2012 6:48:31 PM | 0.28 | 199 | 269 | 12 |
| 7/27/2012 6:49:31 PM | 0.28 | 199 | 268 | 12 |
| 7/27/2012 6:50:31 PM | 0.28 | 199 | 267 | 12 |
| 7/27/2012 6:51:31 PM | 0.29 | 199 | 264 | 12 |
| 7/27/2012 6:52:31 PM | 0.28 | 199 | 267 | 11 |
| 7/27/2012 6:53:31 PM | 0.28 | 198 | 267 | 11 |
| 7/27/2012 6:54:31 PM | 0.28 | 198 | 266 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **27-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **27-Jul-12** |
| | | **Start Time:** | **15:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/27/2012 6:55:31 PM | 0.28 | 198 | 265 | 12 |
| 7/27/2012 6:56:31 PM | 0.29 | 197 | 263 | 12 |
| 7/27/2012 6:57:31 PM | 0.29 | 196 | 261 | 12 |
| 7/27/2012 6:58:31 PM | 0.28 | 196 | 260 | 12 |
| 7/27/2012 6:59:31 PM | 0.28 | 197 | 260 | 12 |
| 7/27/2012 7:00:31 PM | 0.29 | 197 | 260 | 12 |
| 7/27/2012 7:01:31 PM | 0.29 | 197 | 262 | 11 |
| 7/27/2012 7:02:31 PM | 0.29 | 198 | 261 | 11 |
| 7/27/2012 7:03:31 PM | 0.29 | 197 | 260 | 12 |
| 7/27/2012 7:04:31 PM | 0.28 | 197 | 257 | 12 |
| 7/27/2012 7:05:31 PM | 0.29 | 196 | 257 | 12 |
| 7/27/2012 7:06:31 PM | 0.29 | 197 | 257 | 12 |
| 7/27/2012 7:07:31 PM | 0.29 | 197 | 257 | 12 |
| 7/27/2012 7:08:31 PM | 0.29 | 197 | 257 | 12 |
| 7/27/2012 7:09:31 PM | 0.29 | 197 | 256 | 12 |
| 7/27/2012 7:10:31 PM | 0.29 | 196 | 255 | 11 |
| 7/27/2012 7:11:31 PM | 0.29 | 196 | 256 | 11 |
| 7/27/2012 7:12:31 PM | 0.29 | 196 | 255 | 12 |
| 7/27/2012 7:13:31 PM | 0.28 | 195 | 255 | 12 |
| 7/27/2012 7:14:31 PM | 0.28 | 195 | 253 | 12 |
| 7/27/2012 7:15:31 PM | 0.29 | 195 | 251 | 12 |
| 7/27/2012 7:16:31 PM | 0.28 | 196 | 253 | 11 |
| 7/27/2012 7:17:31 PM | 0.28 | 196 | 254 | 11 |
| 7/27/2012 7:18:31 PM | 0.28 | 196 | 252 | 11 |
| 7/27/2012 7:19:31 PM | 0.28 | 197 | 255 | 11 |
| 7/27/2012 7:20:31 PM | 0.29 | 196 | 254 | 11 |
| 7/27/2012 7:21:31 PM | 0.29 | 196 | 253 | 11 |
| 7/27/2012 7:22:31 PM | 0.29 | 196 | 253 | 11 |
| 7/27/2012 7:23:31 PM | 0.28 | 196 | 252 | 11 |
| 7/27/2012 7:24:31 PM | 0.28 | 195 | 252 | 11 |
| 7/27/2012 7:25:31 PM | 0.29 | 194 | 251 | 11 |
| 7/27/2012 7:26:31 PM | 0.29 | 194 | 250 | 11 |
| 7/27/2012 7:27:31 PM | 0.29 | 195 | 250 | 11 |
| 7/27/2012 7:28:31 PM | 0.29 | 195 | 250 | 11 |
| 7/27/2012 7:29:31 PM | 0.29 | 194 | 248 | 11 |
| 7/27/2012 7:30:31 PM | 0.29 | 194 | 247 | 11 |
| 7/27/2012 7:31:31 PM | 0.29 | 193 | 247 | 11 |
| 7/27/2012 7:32:31 PM | 0.29 | 193 | 246 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **27-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **27-Jul-12** |
| | | **Start Time:** | **15:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/27/2012 7:33:31 PM | 0.29 | 193 | 246 | 11 |
| 7/27/2012 7:34:31 PM | 0.29 | 194 | 246 | 11 |
| 7/27/2012 7:35:31 PM | 0.29 | 194 | 245 | 11 |
| 7/27/2012 7:36:31 PM | 0.29 | 193 | 245 | 11 |
| 7/27/2012 7:37:31 PM | 0.29 | 193 | 246 | 11 |
| 7/27/2012 7:38:31 PM | 0.29 | 193 | 245 | 11 |
| 7/27/2012 7:39:31 PM | 0.29 | 193 | 244 | 11 |
| 7/27/2012 7:40:31 PM | 0.29 | 193 | 245 | 11 |
| 7/27/2012 7:41:31 PM | 0.29 | 193 | 244 | 11 |
| 7/27/2012 7:42:31 PM | 0.29 | 194 | 245 | 11 |
| 7/27/2012 7:43:31 PM | 0.29 | 194 | 245 | 11 |
| 7/27/2012 7:44:31 PM | 0.29 | 193 | 243 | 11 |
| 7/27/2012 7:45:31 PM | 0.29 | 193 | 242 | 11 |
| 7/27/2012 7:46:31 PM | 0.29 | 193 | 242 | 11 |
| 7/27/2012 7:47:31 PM | 0.29 | 193 | 243 | 11 |
| 7/27/2012 7:48:31 PM | 0.29 | 192 | 242 | 11 |
| 7/27/2012 7:49:31 PM | 0.29 | 191 | 241 | 11 |
| 7/27/2012 7:50:31 PM | 0.29 | 191 | 239 | 11 |
| 7/27/2012 7:51:31 PM | 0.29 | 192 | 238 | 11 |
| 7/27/2012 7:52:31 PM | 0.29 | 193 | 240 | 11 |
| 7/27/2012 7:53:31 PM | 0.28 | 193 | 240 | 11 |
| 7/27/2012 7:54:31 PM | 0.29 | 192 | 240 | 11 |
| 7/27/2012 7:55:31 PM | 0.29 | 191 | 236 | 11 |
| 7/27/2012 7:56:31 PM | 0.29 | 191 | 237 | 11 |
| 7/27/2012 7:57:31 PM | 0.29 | 191 | 235 | 11 |
| 7/27/2012 7:58:31 PM | 0.29 | 191 | 233 | 11 |
| 7/27/2012 7:59:31 PM | 0.29 | 191 | 234 | 11 |
| 7/27/2012 8:00:31 PM | 0.29 | 191 | 235 | 11 |
| 7/27/2012 8:01:31 PM | 0.29 | 191 | 233 | 11 |
| 7/27/2012 8:02:31 PM | 0.29 | 191 | 233 | 11 |
| 7/27/2012 8:03:31 PM | 0.29 | 191 | 232 | 11 |
| 7/27/2012 8:04:31 PM | 0.29 | 191 | 232 | 11 |
| 7/27/2012 8:05:31 PM | 0.29 | 191 | 232 | 11 |
| 7/27/2012 8:06:31 PM | 0.29 | 191 | 234 | 11 |
| 7/27/2012 8:07:31 PM | 0.29 | 191 | 234 | 11 |
| 7/27/2012 8:08:31 PM | 0.29 | 190 | 232 | 11 |
| 7/27/2012 8:09:31 PM | 0.29 | 190 | 231 | 11 |
| 7/27/2012 8:10:31 PM | 0.29 | 190 | 231 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **27-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **27-Jul-12** |
| | | **Start Time:** | **15:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/27/2012 8:11:31 PM | 0.29 | 191 | 231 | 11 |
| 7/27/2012 8:12:31 PM | 0.29 | 191 | 232 | 11 |
| 7/27/2012 8:13:31 PM | 0.29 | 190 | 231 | 11 |
| 7/27/2012 8:14:31 PM | 0.29 | 190 | 231 | 11 |
| 7/27/2012 8:15:31 PM | 0.29 | 190 | 230 | 11 |
| 7/27/2012 8:16:31 PM | 0.29 | 189 | 229 | 11 |
| 7/27/2012 8:17:31 PM | 0.30 | 190 | 229 | 11 |
| 7/27/2012 8:18:31 PM | 0.29 | 190 | 230 | 11 |
| 7/27/2012 8:19:31 PM | 0.29 | 191 | 232 | 10 |
| 7/27/2012 8:20:31 PM | 0.29 | 192 | 232 | 10 |
| 7/27/2012 8:21:31 PM | 0.29 | 192 | 231 | 10 |
| 7/27/2012 8:22:31 PM | 0.29 | 192 | 232 | 10 |
| 7/27/2012 8:23:31 PM | 0.29 | 192 | 231 | 10 |
| 7/27/2012 8:24:31 PM | 0.29 | 191 | 229 | 11 |
| 7/27/2012 8:25:31 PM | 0.29 | 191 | 228 | 11 |
| 7/27/2012 8:26:31 PM | 0.29 | 190 | 228 | 11 |
| 7/27/2012 8:27:31 PM | 0.29 | 190 | 227 | 11 |
| 7/27/2012 8:28:31 PM | 0.29 | 189 | 227 | 11 |
| 7/27/2012 8:29:31 PM | 0.29 | 189 | 226 | 11 |
| 7/27/2012 8:30:31 PM | 0.29 | 189 | 225 | 11 |
| 7/27/2012 8:31:31 PM | 0.29 | 190 | 225 | 11 |
| 7/27/2012 8:32:31 PM | 0.29 | 189 | 225 | 11 |
| 7/27/2012 8:33:31 PM | 0.29 | 189 | 223 | 11 |
| 7/27/2012 8:34:31 PM | 0.29 | 189 | 223 | 11 |
| 7/27/2012 8:35:31 PM | 0.29 | 190 | 224 | 11 |
| 7/27/2012 8:36:31 PM | 0.29 | 189 | 223 | 11 |
| 7/27/2012 8:37:31 PM | 0.29 | 189 | 222 | 11 |
| 7/27/2012 8:38:31 PM | 0.29 | 189 | 222 | 11 |
| 7/27/2012 8:39:31 PM | 0.29 | 189 | 220 | 11 |
| 7/27/2012 8:40:31 PM | 0.29 | 188 | 222 | 10 |
| 7/27/2012 8:41:31 PM | 0.29 | 188 | 221 | 10 |
| 7/27/2012 8:42:31 PM | 0.29 | 189 | 220 | 10 |
| 7/27/2012 8:43:31 PM | 0.29 | 189 | 220 | 10 |
| 7/27/2012 8:44:31 PM | 0.29 | 190 | 220 | 10 |
| 7/27/2012 8:45:31 PM | 0.29 | 190 | 219 | 11 |
| 7/27/2012 8:46:31 PM | 0.29 | 190 | 221 | 11 |
| 7/27/2012 8:47:31 PM | 0.29 | 189 | 221 | 11 |
| 7/27/2012 8:48:31 PM | 0.29 | 189 | 220 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **27-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **27-Jul-12** |
| | | **Start Time:** | **15:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/27/2012 8:49:31 PM | 0.29 | 189 | 218 | 11 |
| 7/27/2012 8:50:31 PM | 0.29 | 189 | 218 | 11 |
| 7/27/2012 8:51:31 PM | 0.29 | 188 | 216 | 11 |
| 7/27/2012 8:52:31 PM | 0.29 | 189 | 216 | 11 |
| 7/27/2012 8:53:31 PM | 0.29 | 189 | 217 | 11 |
| 7/27/2012 8:54:31 PM | 0.29 | 190 | 218 | 11 |
| 7/27/2012 8:55:31 PM | 0.29 | 190 | 218 | 10 |
| 7/27/2012 8:56:31 PM | 0.29 | 190 | 217 | 10 |
| 7/27/2012 8:57:31 PM | 0.29 | 190 | 218 | 10 |
| 7/27/2012 8:58:31 PM | 0.29 | 190 | 218 | 10 |
| 7/27/2012 8:59:31 PM | 0.29 | 190 | 219 | 10 |
| 7/27/2012 9:00:31 PM | 0.29 | 190 | 218 | 10 |
| 7/27/2012 9:01:31 PM | 0.29 | 191 | 220 | 10 |
| 7/27/2012 9:02:31 PM | 0.29 | 191 | 220 | 10 |
| 7/27/2012 9:03:31 PM | 0.29 | 192 | 220 | 10 |
| 7/27/2012 9:04:31 PM | 0.28 | 192 | 221 | 10 |
| 7/27/2012 9:05:31 PM | 0.29 | 192 | 219 | 10 |
| 7/27/2012 9:06:31 PM | 0.29 | 192 | 219 | 10 |
| 7/27/2012 9:07:31 PM | 0.29 | 192 | 219 | 10 |
| 7/27/2012 9:08:31 PM | 0.29 | 192 | 218 | 10 |
| 7/27/2012 9:09:31 PM | 0.29 | 191 | 217 | 10 |
| 7/27/2012 9:10:31 PM | 0.29 | 192 | 217 | 10 |
| 7/27/2012 9:11:31 PM | 0.29 | 191 | 217 | 10 |
| 7/27/2012 9:12:31 PM | 0.29 | 191 | 216 | 10 |
| 7/27/2012 9:13:31 PM | 0.29 | 191 | 217 | 10 |
| 7/27/2012 9:14:31 PM | 0.29 | 190 | 217 | 10 |
| 7/27/2012 9:15:31 PM | 0.29 | 190 | 215 | 10 |
| 7/27/2012 9:16:31 PM | 0.29 | 190 | 215 | 10 |
| 7/27/2012 9:17:31 PM | 0.29 | 191 | 215 | 10 |
| 7/27/2012 9:18:31 PM | 0.29 | 190 | 214 | 10 |
| 7/27/2012 9:19:31 PM | 0.29 | 190 | 215 | 10 |
| 7/27/2012 9:20:31 PM | 0.29 | 190 | 214 | 10 |
| 7/27/2012 9:21:31 PM | 0.29 | 190 | 214 | 10 |
| 7/27/2012 9:22:31 PM | 0.29 | 191 | 215 | 10 |
| 7/27/2012 9:23:31 PM | 0.30 | 191 | 215 | 10 |
| 7/27/2012 9:24:31 PM | 0.29 | 191 | 214 | 10 |
| 7/27/2012 9:25:31 PM | 0.29 | 191 | 214 | 10 |
| 7/27/2012 9:26:31 PM | 0.29 | 191 | 213 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **27-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **27-Jul-12** |
| | | **Start Time:** | **15:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/27/2012 9:27:31 PM | 0.29 | 192 | 214 | 10 |
| 7/27/2012 9:28:31 PM | 0.29 | 193 | 217 | 10 |
| 7/27/2012 9:29:31 PM | 0.29 | 193 | 218 | 10 |
| 7/27/2012 9:30:31 PM | 0.29 | 193 | 218 | 10 |
| 7/27/2012 9:31:31 PM | 0.29 | 192 | 216 | 10 |
| 7/27/2012 9:32:31 PM | 0.29 | 193 | 215 | 10 |
| 7/27/2012 9:33:31 PM | 0.29 | 193 | 216 | 10 |
| 7/27/2012 9:34:31 PM | 0.29 | 192 | 216 | 10 |
| 7/27/2012 9:35:31 PM | 0.29 | 192 | 216 | 10 |
| 7/27/2012 9:36:31 PM | 0.29 | 192 | 214 | 10 |
| 7/27/2012 9:37:31 PM | 0.29 | 193 | 214 | 10 |
| 7/27/2012 9:38:31 PM | 0.29 | 193 | 214 | 10 |
| 7/27/2012 9:39:31 PM | 0.29 | 193 | 214 | 10 |
| 7/27/2012 9:40:31 PM | 0.29 | 193 | 214 | 10 |
| 7/27/2012 9:41:31 PM | 0.29 | 194 | 216 | 10 |
| 7/27/2012 9:42:31 PM | 0.29 | 194 | 215 | 10 |
| 7/27/2012 9:43:31 PM | 0.29 | 194 | 216 | 9 |
| 7/27/2012 9:44:31 PM | 0.29 | 195 | 216 | 9 |
| 7/27/2012 9:45:31 PM | 0.29 | 194 | 214 | 10 |
| 7/27/2012 9:46:31 PM | 0.29 | 194 | 215 | 10 |
| 7/27/2012 9:47:31 PM | 0.29 | 194 | 215 | 10 |
| 7/27/2012 9:48:31 PM | 0.29 | 194 | 214 | 10 |
| 7/27/2012 9:49:31 PM | 0.29 | 195 | 215 | 10 |
| 7/27/2012 9:50:31 PM | 0.29 | 195 | 214 | 10 |
| 7/27/2012 9:51:31 PM | 0.29 | 194 | 214 | 10 |
| 7/27/2012 9:52:31 PM | 0.29 | 194 | 213 | 10 |
| 7/27/2012 9:53:31 PM | 0.29 | 194 | 213 | 10 |
| 7/27/2012 9:54:31 PM | 0.29 | 195 | 212 | 10 |
| 7/27/2012 9:55:31 PM | 0.29 | 195 | 214 | 10 |
| 7/27/2012 9:56:31 PM | 0.29 | 195 | 213 | 10 |
| 7/27/2012 9:57:31 PM | 0.30 | 195 | 213 | 10 |
| 7/27/2012 9:58:31 PM | 0.29 | 195 | 214 | 9 |
| 7/27/2012 9:59:31 PM | 0.28 | 194 | 213 | 9 |
| 7/27/2012 10:00:31 PM | 0.29 | 195 | 212 | 10 |
| 7/27/2012 10:01:31 PM | 0.29 | 195 | 213 | 10 |
| 7/27/2012 10:02:31 PM | 0.29 | 195 | 212 | 10 |
| 7/27/2012 10:03:31 PM | 0.29 | 195 | 211 | 10 |
| 7/27/2012 10:04:31 PM | 0.29 | 195 | 213 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **27-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **27-Jul-12** |
| | | **Start Time:** | **15:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/27/2012 10:05:31 PM | 0.29 | 194 | 212 | 10 |
| 7/27/2012 10:06:31 PM | 0.29 | 195 | 212 | 10 |
| 7/27/2012 10:07:31 PM | 0.29 | 194 | 212 | 9 |
| 7/27/2012 10:08:31 PM | 0.29 | 194 | 211 | 9 |
| 7/27/2012 10:09:31 PM | 0.29 | 194 | 210 | 10 |
| 7/27/2012 10:10:31 PM | 0.29 | 194 | 208 | 10 |
| 7/27/2012 10:11:31 PM | 0.29 | 193 | 210 | 10 |
| 7/27/2012 10:12:31 PM | 0.29 | 193 | 209 | 10 |
| 7/27/2012 10:13:31 PM | 0.29 | 193 | 207 | 10 |
| 7/27/2012 10:14:31 PM | 0.29 | 193 | 208 | 10 |
| 7/27/2012 10:15:31 PM | 0.29 | 194 | 207 | 10 |
| 7/27/2012 10:16:31 PM | 0.29 | 194 | 209 | 10 |
| 7/27/2012 10:17:31 PM | 0.30 | 194 | 208 | 10 |
| 7/27/2012 10:18:31 PM | 0.29 | 194 | 208 | 10 |
| 7/27/2012 10:19:31 PM | 0.29 | 194 | 208 | 10 |
| 7/27/2012 10:20:31 PM | 0.29 | 193 | 208 | 10 |
| 7/27/2012 10:21:31 PM | 0.29 | 193 | 206 | 10 |
| 7/27/2012 10:22:31 PM | 0.29 | 193 | 206 | 9 |
| 7/27/2012 10:23:31 PM | 0.29 | 193 | 206 | 9 |
| 7/27/2012 10:24:31 PM | 0.29 | 193 | 206 | 10 |
| 7/27/2012 10:25:31 PM | 0.29 | 193 | 208 | 10 |
| 7/27/2012 10:26:31 PM | 0.29 | 194 | 207 | 10 |
| 7/27/2012 10:27:31 PM | 0.30 | 194 | 207 | 10 |
| 7/27/2012 10:28:31 PM | 0.29 | 193 | 208 | 10 |
| 7/27/2012 10:29:31 PM | 0.29 | 193 | 206 | 10 |
| 7/27/2012 10:30:31 PM | 0.29 | 193 | 205 | 10 |
| 7/27/2012 10:31:31 PM | 0.30 | 193 | 206 | 10 |
| 7/27/2012 10:32:31 PM | 0.29 | 192 | 206 | 10 |
| 7/27/2012 10:33:31 PM | 0.30 | 192 | 204 | 10 |
| 7/27/2012 10:34:31 PM | 0.30 | 192 | 203 | 9 |
| 7/27/2012 10:35:31 PM | 0.30 | 192 | 204 | 9 |
| 7/27/2012 10:36:31 PM | 0.29 | 192 | 204 | 10 |
| 7/27/2012 10:37:31 PM | 0.29 | 192 | 203 | 10 |
| 7/27/2012 10:38:31 PM | 0.29 | 193 | 204 | 10 |
| 7/27/2012 10:39:31 PM | 0.29 | 192 | 202 | 10 |
| 7/27/2012 10:40:31 PM | 0.30 | 192 | 201 | 10 |
| 7/27/2012 10:41:31 PM | 0.29 | 192 | 202 | 10 |
| 7/27/2012 10:42:31 PM | 0.29 | 192 | 200 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **27-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **27-Jul-12** |
| | | **Start Time:** | **15:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/27/2012 10:43:31 PM | 0.29 | 191 | 201 | 10 |
| 7/27/2012 10:44:31 PM | 0.30 | 191 | 201 | 10 |
| 7/27/2012 10:45:31 PM | 0.29 | 192 | 200 | 10 |
| 7/27/2012 10:46:31 PM | 0.30 | 192 | 201 | 9 |
| 7/27/2012 10:47:31 PM | 0.29 | 192 | 201 | 9 |
| 7/27/2012 10:48:31 PM | 0.29 | 192 | 202 | 9 |
| 7/27/2012 10:49:31 PM | 0.29 | 192 | 202 | 9 |
| 7/27/2012 10:50:31 PM | 0.29 | 192 | 201 | 9 |
| 7/27/2012 10:51:31 PM | 0.30 | 192 | 200 | 9 |
| 7/27/2012 10:52:31 PM | 0.29 | 191 | 201 | 9 |
| 7/27/2012 10:53:31 PM | 0.30 | 191 | 202 | 9 |
| 7/27/2012 10:54:31 PM | 0.29 | 191 | 202 | 10 |
| 7/27/2012 10:55:31 PM | 0.29 | 191 | 201 | 10 |
| 7/27/2012 10:56:31 PM | 0.30 | 191 | 199 | 10 |
| 7/27/2012 10:57:31 PM | 0.30 | 192 | 198 | 10 |
| 7/27/2012 10:58:31 PM | 0.29 | 192 | 199 | 9 |
| 7/27/2012 10:59:31 PM | 0.29 | 192 | 198 | 9 |
| 7/27/2012 11:00:31 PM | 0.29 | 192 | 200 | 9 |
| 7/27/2012 11:01:31 PM | 0.29 | 193 | 202 | 9 |
| 7/27/2012 11:02:31 PM | 0.29 | 193 | 203 | 9 |
| 7/27/2012 11:03:31 PM | 0.29 | 194 | 202 | 9 |
| 7/27/2012 11:04:31 PM | 0.29 | 194 | 202 | 9 |
| 7/27/2012 11:05:31 PM | 0.29 | 194 | 203 | 9 |
| 7/27/2012 11:06:31 PM | 0.29 | 194 | 204 | 9 |
| 7/27/2012 11:07:31 PM | 0.29 | 195 | 204 | 9 |
| 7/27/2012 11:08:31 PM | 0.29 | 195 | 205 | 9 |
| 7/27/2012 11:09:31 PM | 0.29 | 196 | 205 | 10 |
| 7/27/2012 11:10:31 PM | 0.29 | 195 | 204 | 10 |
| 7/27/2012 11:11:31 PM | 0.29 | 195 | 204 | 10 |
| 7/27/2012 11:12:31 PM | 0.29 | 195 | 205 | 10 |
| 7/27/2012 11:13:31 PM | 0.29 | 195 | 204 | 9 |
| 7/27/2012 11:14:31 PM | 0.29 | 194 | 203 | 9 |
| 7/27/2012 11:15:31 PM | 0.29 | 194 | 203 | 10 |
| 7/27/2012 11:16:31 PM | 0.29 | 195 | 203 | 10 |
| 7/27/2012 11:17:31 PM | 0.29 | 195 | 203 | 10 |
| 7/27/2012 11:18:31 PM | 0.29 | 196 | 204 | 10 |
| 7/27/2012 11:19:31 PM | 0.29 | 196 | 205 | 10 |
| 7/27/2012 11:20:31 PM | 0.29 | 197 | 207 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **27-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **27-Jul-12** |
| | | **Start Time:** | **15:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/27/2012 11:21:31 PM | 0.29 | 196 | 206 | 10 |
| 7/27/2012 11:22:31 PM | 0.29 | 196 | 206 | 9 |
| 7/27/2012 11:23:31 PM | 0.29 | 196 | 205 | 9 |
| 7/27/2012 11:24:31 PM | 0.29 | 196 | 205 | 9 |
| 7/27/2012 11:25:31 PM | 0.29 | 196 | 205 | 9 |
| 7/27/2012 11:26:31 PM | 0.29 | 196 | 206 | 9 |
| 7/27/2012 11:27:31 PM | 0.29 | 196 | 204 | 9 |
| 7/27/2012 11:28:31 PM | 0.29 | 196 | 204 | 9 |
| 7/27/2012 11:29:31 PM | 0.29 | 197 | 203 | 9 |
| 7/27/2012 11:30:31 PM | 0.29 | 197 | 205 | 9 |
| 7/27/2012 11:31:31 PM | 0.29 | 196 | 204 | 9 |
| 7/27/2012 11:32:31 PM | 0.29 | 196 | 203 | 9 |
| 7/27/2012 11:33:31 PM | 0.29 | 196 | 203 | 9 |
| 7/27/2012 11:34:31 PM | 0.29 | 196 | 204 | 9 |
| 7/27/2012 11:35:31 PM | 0.29 | 196 | 205 | 9 |
| 7/27/2012 11:36:31 PM | 0.29 | 197 | 204 | 9 |
| 7/27/2012 11:37:31 PM | 0.29 | 197 | 203 | 9 |
| 7/27/2012 11:38:31 PM | 0.29 | 196 | 204 | 9 |
| 7/27/2012 11:39:31 PM | 0.29 | 196 | 203 | 9 |
| 7/27/2012 11:40:31 PM | 0.29 | 196 | 204 | 9 |
| 7/27/2012 11:41:31 PM | 0.29 | 196 | 205 | 9 |
| 7/27/2012 11:42:31 PM | 0.29 | 196 | 205 | 9 |
| 7/27/2012 11:43:31 PM | 0.29 | 196 | 203 | 9 |
| 7/27/2012 11:44:31 PM | 0.29 | 196 | 203 | 9 |
| 7/27/2012 11:45:31 PM | 0.29 | 195 | 203 | 9 |
| 7/27/2012 11:46:31 PM | 0.29 | 196 | 204 | 9 |
| 7/27/2012 11:47:31 PM | 0.29 | 196 | 203 | 9 |
| 7/27/2012 11:48:31 PM | 0.29 | 196 | 202 | 9 |
| 7/27/2012 11:49:31 PM | 0.29 | 196 | 201 | 9 |
| 7/27/2012 11:50:31 PM | 0.29 | 196 | 202 | 9 |
| 7/27/2012 11:51:31 PM | 0.29 | 196 | 202 | 9 |
| 7/27/2012 11:52:31 PM | 0.30 | 196 | 203 | 9 |
| 7/27/2012 11:53:31 PM | 0.29 | 196 | 204 | 9 |
| 7/27/2012 11:54:31 PM | 0.29 | 197 | 203 | 9 |
| 7/27/2012 11:55:31 PM | 0.29 | 198 | 204 | 9 |
| 7/27/2012 11:56:31 PM | 0.29 | 198 | 204 | 9 |
| 7/27/2012 11:57:31 PM | 0.29 | 198 | 202 | 9 |
| 7/27/2012 11:58:31 PM | 0.29 | 198 | 204 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **27-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **27-Jul-12** |
| | | **Start Time:** | **15:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/27/2012 11:59:31 PM | 0.29 | 198 | 205 | 9 |
| Averages | 0.29 | 196 | 239 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 0:00:31 AM | 0.29 | 198 | 204 | 10 |
| 7/28/2012 0:01:31 AM | 0.29 | 198 | 205 | 10 |
| 7/28/2012 0:02:31 AM | 0.29 | 198 | 205 | 10 |
| 7/28/2012 0:03:31 AM | 0.29 | 198 | 203 | 10 |
| 7/28/2012 0:04:31 AM | 0.29 | 197 | 203 | 9 |
| 7/28/2012 0:05:31 AM | 0.30 | 197 | 202 | 9 |
| 7/28/2012 0:06:31 AM | 0.29 | 197 | 202 | 9 |
| 7/28/2012 0:07:31 AM | 0.29 | 197 | 205 | 9 |
| 7/28/2012 0:08:31 AM | 0.29 | 197 | 208 | 9 |
| 7/28/2012 0:09:31 AM | 0.29 | 197 | 211 | 9 |
| 7/28/2012 0:10:31 AM | 0.29 | 197 | 212 | 9 |
| 7/28/2012 0:11:31 AM | 0.28 | 197 | 213 | 9 |
| 7/28/2012 0:12:31 AM | 0.29 | 198 | 213 | 9 |
| 7/28/2012 0:13:31 AM | 0.29 | 198 | 213 | 9 |
| 7/28/2012 0:14:31 AM | 0.29 | 198 | 213 | 9 |
| 7/28/2012 0:15:31 AM | 0.29 | 198 | 213 | 9 |
| 7/28/2012 0:16:31 AM | 0.29 | 198 | 213 | 9 |
| 7/28/2012 0:17:31 AM | 0.29 | 198 | 212 | 9 |
| 7/28/2012 0:18:31 AM | 0.29 | 198 | 212 | 9 |
| 7/28/2012 0:19:31 AM | 0.29 | 197 | 212 | 9 |
| 7/28/2012 0:20:31 AM | 0.29 | 197 | 213 | 9 |
| 7/28/2012 0:21:31 AM | 0.29 | 197 | 212 | 9 |
| 7/28/2012 0:22:31 AM | 0.29 | 198 | 213 | 9 |
| 7/28/2012 0:23:31 AM | 0.29 | 198 | 213 | 9 |
| 7/28/2012 0:24:31 AM | 0.29 | 199 | 213 | 9 |
| 7/28/2012 0:25:31 AM | 0.29 | 199 | 213 | 9 |
| 7/28/2012 0:26:31 AM | 0.29 | 199 | 213 | 9 |
| 7/28/2012 0:27:31 AM | 0.29 | 199 | 212 | 9 |
| 7/28/2012 0:28:31 AM | 0.29 | 200 | 213 | 9 |
| 7/28/2012 0:29:31 AM | 0.29 | 200 | 213 | 9 |
| 7/28/2012 0:30:31 AM | 0.29 | 200 | 212 | 9 |
| 7/28/2012 0:31:31 AM | 0.29 | 199 | 213 | 9 |
| 7/28/2012 0:32:31 AM | 0.29 | 200 | 213 | 9 |
| 7/28/2012 0:33:31 AM | 0.29 | 199 | 212 | 9 |
| 7/28/2012 0:34:31 AM | 0.29 | 200 | 213 | 9 |
| 7/28/2012 0:35:31 AM | 0.29 | 200 | 213 | 9 |
| 7/28/2012 0:36:31 AM | 0.29 | 201 | 213 | 9 |
| 7/28/2012 0:37:31 AM | 0.29 | 201 | 215 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 0:38:31 AM | 0.29 | 201 | 214 | 9 |
| 7/28/2012 0:39:31 AM | 0.29 | 201 | 212 | 9 |
| 7/28/2012 0:40:31 AM | 0.29 | 201 | 212 | 9 |
| 7/28/2012 0:41:31 AM | 0.29 | 201 | 214 | 9 |
| 7/28/2012 0:42:31 AM | 0.29 | 200 | 213 | 9 |
| 7/28/2012 0:43:31 AM | 0.29 | 200 | 213 | 9 |
| 7/28/2012 0:44:31 AM | 0.28 | 200 | 213 | 9 |
| 7/28/2012 0:45:31 AM | 0.29 | 200 | 212 | 9 |
| 7/28/2012 0:46:31 AM | 0.29 | 200 | 211 | 9 |
| 7/28/2012 0:47:31 AM | 0.29 | 200 | 212 | 9 |
| 7/28/2012 0:48:31 AM | 0.29 | 200 | 212 | 9 |
| 7/28/2012 0:49:31 AM | 0.29 | 200 | 213 | 9 |
| 7/28/2012 0:50:31 AM | 0.29 | 200 | 212 | 9 |
| 7/28/2012 0:51:31 AM | 0.29 | 201 | 212 | 9 |
| 7/28/2012 0:52:31 AM | 0.29 | 201 | 213 | 9 |
| 7/28/2012 0:53:31 AM | 0.29 | 201 | 212 | 9 |
| 7/28/2012 0:54:31 AM | 0.29 | 202 | 213 | 9 |
| 7/28/2012 0:55:31 AM | 0.29 | 202 | 213 | 9 |
| 7/28/2012 0:56:31 AM | 0.29 | 202 | 213 | 9 |
| 7/28/2012 0:57:31 AM | 0.29 | 202 | 212 | 9 |
| 7/28/2012 0:58:31 AM | 0.29 | 202 | 213 | 9 |
| 7/28/2012 0:59:31 AM | 0.29 | 202 | 213 | 9 |
| 7/28/2012 1:00:31 AM | 0.29 | 201 | 211 | 9 |
| 7/28/2012 1:01:31 AM | 0.29 | 201 | 211 | 8 |
| 7/28/2012 1:02:31 AM | 0.29 | 202 | 213 | 8 |
| 7/28/2012 1:03:31 AM | 0.29 | 202 | 213 | 9 |
| 7/28/2012 1:04:31 AM | 0.29 | 202 | 213 | 9 |
| 7/28/2012 1:05:31 AM | 0.29 | 202 | 213 | 9 |
| 7/28/2012 1:06:31 AM | 0.29 | 202 | 213 | 9 |
| 7/28/2012 1:07:31 AM | 0.29 | 202 | 213 | 9 |
| 7/28/2012 1:08:31 AM | 0.29 | 202 | 212 | 9 |
| 7/28/2012 1:09:31 AM | 0.29 | 201 | 213 | 9 |
| 7/28/2012 1:10:31 AM | 0.29 | 201 | 211 | 9 |
| 7/28/2012 1:11:31 AM | 0.29 | 200 | 209 | 9 |
| 7/28/2012 1:12:31 AM | 0.29 | 200 | 209 | 9 |
| 7/28/2012 1:13:31 AM | 0.29 | 199 | 208 | 9 |
| 7/28/2012 1:14:31 AM | 0.29 | 200 | 208 | 9 |
| 7/28/2012 1:15:31 AM | 0.29 | 200 | 208 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 1:16:31 AM | 0.29 | 199 | 208 | 9 |
| 7/28/2012 1:17:31 AM | 0.29 | 199 | 209 | 9 |
| 7/28/2012 1:18:31 AM | 0.29 | 199 | 210 | 9 |
| 7/28/2012 1:19:31 AM | 0.29 | 199 | 210 | 9 |
| 7/28/2012 1:20:31 AM | 0.29 | 200 | 209 | 9 |
| 7/28/2012 1:21:31 AM | 0.29 | 200 | 210 | 9 |
| 7/28/2012 1:22:31 AM | 0.30 | 200 | 211 | 9 |
| 7/28/2012 1:23:31 AM | 0.29 | 200 | 211 | 9 |
| 7/28/2012 1:24:31 AM | 0.29 | 200 | 211 | 9 |
| 7/28/2012 1:25:31 AM | 0.29 | 201 | 210 | 9 |
| 7/28/2012 1:26:31 AM | 0.29 | 202 | 212 | 9 |
| 7/28/2012 1:27:31 AM | 0.29 | 201 | 210 | 9 |
| 7/28/2012 1:28:31 AM | 0.29 | 201 | 211 | 9 |
| 7/28/2012 1:29:31 AM | 0.29 | 201 | 210 | 9 |
| 7/28/2012 1:30:31 AM | 0.29 | 201 | 209 | 9 |
| 7/28/2012 1:31:31 AM | 0.29 | 201 | 210 | 9 |
| 7/28/2012 1:32:31 AM | 0.29 | 201 | 209 | 9 |
| 7/28/2012 1:33:31 AM | 0.29 | 200 | 208 | 9 |
| 7/28/2012 1:34:31 AM | 0.29 | 201 | 210 | 9 |
| 7/28/2012 1:35:31 AM | 0.29 | 201 | 211 | 9 |
| 7/28/2012 1:36:31 AM | 0.29 | 202 | 211 | 9 |
| 7/28/2012 1:37:31 AM | 0.29 | 201 | 213 | 9 |
| 7/28/2012 1:38:31 AM | 0.29 | 201 | 212 | 9 |
| 7/28/2012 1:39:31 AM | 0.29 | 201 | 212 | 9 |
| 7/28/2012 1:40:31 AM | 0.29 | 201 | 211 | 9 |
| 7/28/2012 1:41:31 AM | 0.29 | 201 | 210 | 9 |
| 7/28/2012 1:42:31 AM | 0.29 | 201 | 210 | 9 |
| 7/28/2012 1:43:31 AM | 0.29 | 201 | 212 | 9 |
| 7/28/2012 1:44:31 AM | 0.29 | 202 | 212 | 9 |
| 7/28/2012 1:45:31 AM | 0.29 | 202 | 212 | 9 |
| 7/28/2012 1:46:31 AM | 0.29 | 202 | 212 | 9 |
| 7/28/2012 1:47:31 AM | 0.29 | 202 | 212 | 9 |
| 7/28/2012 1:48:31 AM | 0.29 | 202 | 211 | 9 |
| 7/28/2012 1:49:31 AM | 0.29 | 203 | 213 | 9 |
| 7/28/2012 1:50:31 AM | 0.29 | 204 | 213 | 9 |
| 7/28/2012 1:51:31 AM | 0.29 | 204 | 213 | 9 |
| 7/28/2012 1:52:31 AM | 0.29 | 204 | 213 | 9 |
| 7/28/2012 1:53:31 AM | 0.29 | 204 | 216 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 1:54:31 AM | 0.29 | 204 | 214 | 9 |
| 7/28/2012 1:55:31 AM | 0.29 | 203 | 214 | 9 |
| 7/28/2012 1:56:31 AM | 0.29 | 204 | 214 | 9 |
| 7/28/2012 1:57:31 AM | 0.29 | 203 | 214 | 9 |
| 7/28/2012 1:58:31 AM | 0.29 | 203 | 213 | 9 |
| 7/28/2012 1:59:31 AM | 0.29 | 203 | 213 | 9 |
| 7/28/2012 2:00:31 AM | 0.29 | 203 | 213 | 9 |
| 7/28/2012 2:01:31 AM | 0.29 | 202 | 213 | 9 |
| 7/28/2012 2:02:31 AM | 0.29 | 203 | 213 | 9 |
| 7/28/2012 2:03:31 AM | 0.29 | 203 | 212 | 9 |
| 7/28/2012 2:04:31 AM | 0.29 | 203 | 214 | 9 |
| 7/28/2012 2:05:31 AM | 0.29 | 204 | 215 | 9 |
| 7/28/2012 2:06:31 AM | 0.29 | 204 | 215 | 9 |
| 7/28/2012 2:07:31 AM | 0.29 | 204 | 217 | 9 |
| 7/28/2012 2:08:31 AM | 0.29 | 205 | 218 | 9 |
| 7/28/2012 2:09:31 AM | 0.29 | 205 | 217 | 9 |
| 7/28/2012 2:10:31 AM | 0.29 | 205 | 217 | 9 |
| 7/28/2012 2:11:31 AM | 0.29 | 205 | 216 | 9 |
| 7/28/2012 2:12:31 AM | 0.29 | 205 | 216 | 9 |
| 7/28/2012 2:13:31 AM | 0.29 | 205 | 216 | 9 |
| 7/28/2012 2:14:31 AM | 0.29 | 205 | 215 | 9 |
| 7/28/2012 2:15:31 AM | 0.29 | 206 | 217 | 9 |
| 7/28/2012 2:16:31 AM | 0.29 | 206 | 217 | 9 |
| 7/28/2012 2:17:31 AM | 0.29 | 206 | 217 | 9 |
| 7/28/2012 2:18:31 AM | 0.29 | 206 | 216 | 9 |
| 7/28/2012 2:19:31 AM | 0.29 | 206 | 217 | 9 |
| 7/28/2012 2:20:31 AM | 0.29 | 207 | 217 | 9 |
| 7/28/2012 2:21:31 AM | 0.29 | 207 | 217 | 9 |
| 7/28/2012 2:22:31 AM | 0.29 | 208 | 218 | 9 |
| 7/28/2012 2:23:31 AM | 0.30 | 208 | 218 | 9 |
| 7/28/2012 2:24:31 AM | 0.29 | 207 | 218 | 9 |
| 7/28/2012 2:25:31 AM | 0.29 | 207 | 218 | 9 |
| 7/28/2012 2:26:31 AM | 0.29 | 207 | 218 | 9 |
| 7/28/2012 2:27:31 AM | 0.29 | 207 | 218 | 9 |
| 7/28/2012 2:28:31 AM | 0.29 | 207 | 217 | 8 |
| 7/28/2012 2:29:31 AM | 0.29 | 207 | 218 | 8 |
| 7/28/2012 2:30:31 AM | 0.29 | 208 | 217 | 9 |
| 7/28/2012 2:31:31 AM | 0.29 | 208 | 219 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 2:32:31 AM | 0.29 | 207 | 218 | 9 |
| 7/28/2012 2:33:31 AM | 0.29 | 207 | 218 | 9 |
| 7/28/2012 2:34:31 AM | 0.29 | 208 | 218 | 9 |
| 7/28/2012 2:35:31 AM | 0.29 | 208 | 218 | 9 |
| 7/28/2012 2:36:31 AM | 0.29 | 209 | 218 | 9 |
| 7/28/2012 2:37:31 AM | 0.29 | 208 | 219 | 9 |
| 7/28/2012 2:38:31 AM | 0.29 | 208 | 218 | 9 |
| 7/28/2012 2:39:31 AM | 0.29 | 208 | 220 | 9 |
| 7/28/2012 2:40:31 AM | 0.28 | 208 | 220 | 9 |
| 7/28/2012 2:41:31 AM | 0.29 | 208 | 218 | 9 |
| 7/28/2012 2:42:31 AM | 0.29 | 209 | 219 | 9 |
| 7/28/2012 2:43:31 AM | 0.29 | 209 | 220 | 9 |
| 7/28/2012 2:44:31 AM | 0.29 | 208 | 219 | 9 |
| 7/28/2012 2:45:31 AM | 0.29 | 207 | 219 | 9 |
| 7/28/2012 2:46:31 AM | 0.29 | 207 | 218 | 9 |
| 7/28/2012 2:47:31 AM | 0.29 | 206 | 218 | 9 |
| 7/28/2012 2:48:31 AM | 0.29 | 206 | 217 | 9 |
| 7/28/2012 2:49:31 AM | 0.29 | 206 | 218 | 9 |
| 7/28/2012 2:50:31 AM | 0.29 | 207 | 219 | 9 |
| 7/28/2012 2:51:31 AM | 0.29 | 208 | 219 | 9 |
| 7/28/2012 2:52:31 AM | 0.29 | 208 | 221 | 8 |
| 7/28/2012 2:53:31 AM | 0.29 | 208 | 221 | 8 |
| 7/28/2012 2:54:31 AM | 0.29 | 207 | 219 | 9 |
| 7/28/2012 2:55:31 AM | 0.29 | 207 | 221 | 9 |
| 7/28/2012 2:56:31 AM | 0.28 | 207 | 219 | 9 |
| 7/28/2012 2:57:31 AM | 0.29 | 208 | 220 | 9 |
| 7/28/2012 2:58:31 AM | 0.29 | 208 | 222 | 9 |
| 7/28/2012 2:59:31 AM | 0.29 | 208 | 222 | 9 |
| 7/28/2012 3:00:31 AM | 0.29 | 207 | 220 | 9 |
| 7/28/2012 3:01:31 AM | 0.28 | 207 | 220 | 9 |
| 7/28/2012 3:02:31 AM | 0.29 | 207 | 220 | 9 |
| 7/28/2012 3:03:31 AM | 0.29 | 207 | 220 | 9 |
| 7/28/2012 3:04:31 AM | 0.28 | 208 | 219 | 9 |
| 7/28/2012 3:05:31 AM | 0.28 | 208 | 220 | 9 |
| 7/28/2012 3:06:31 AM | 0.29 | 208 | 219 | 9 |
| 7/28/2012 3:07:31 AM | 0.29 | 209 | 220 | 8 |
| 7/28/2012 3:08:31 AM | 0.29 | 209 | 222 | 8 |
| 7/28/2012 3:09:31 AM | 0.29 | 209 | 222 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 3:10:31 AM | 0.29 | 210 | 223 | 9 |
| 7/28/2012 3:11:31 AM | 0.29 | 210 | 223 | 9 |
| 7/28/2012 3:12:31 AM | 0.29 | 210 | 223 | 9 |
| 7/28/2012 3:13:31 AM | 0.29 | 210 | 225 | 9 |
| 7/28/2012 3:14:31 AM | 0.29 | 210 | 226 | 9 |
| 7/28/2012 3:15:31 AM | 0.29 | 211 | 225 | 9 |
| 7/28/2012 3:16:31 AM | 0.29 | 210 | 225 | 9 |
| 7/28/2012 3:17:31 AM | 0.29 | 211 | 224 | 9 |
| 7/28/2012 3:18:31 AM | 0.29 | 211 | 223 | 9 |
| 7/28/2012 3:19:31 AM | 0.29 | 211 | 225 | 9 |
| 7/28/2012 3:20:31 AM | 0.28 | 211 | 227 | 9 |
| 7/28/2012 3:21:31 AM | 0.29 | 211 | 227 | 9 |
| 7/28/2012 3:22:31 AM | 0.28 | 211 | 226 | 9 |
| 7/28/2012 3:23:31 AM | 0.29 | 211 | 226 | 9 |
| 7/28/2012 3:24:31 AM | 0.29 | 210 | 226 | 9 |
| 7/28/2012 3:25:31 AM | 0.29 | 210 | 225 | 9 |
| 7/28/2012 3:26:31 AM | 0.29 | 210 | 227 | 9 |
| 7/28/2012 3:27:31 AM | 0.29 | 210 | 223 | 9 |
| 7/28/2012 3:28:31 AM | 0.29 | 210 | 221 | 8 |
| 7/28/2012 3:29:31 AM | 0.29 | 210 | 220 | 8 |
| 7/28/2012 3:30:31 AM | 0.29 | 210 | 219 | 9 |
| 7/28/2012 3:31:31 AM | 0.29 | 210 | 217 | 9 |
| 7/28/2012 3:32:31 AM | 0.29 | 210 | 218 | 9 |
| 7/28/2012 3:33:31 AM | 0.29 | 210 | 216 | 9 |
| 7/28/2012 3:34:31 AM | 0.29 | 210 | 215 | 9 |
| 7/28/2012 3:35:31 AM | 0.29 | 209 | 213 | 9 |
| 7/28/2012 3:36:31 AM | 0.29 | 209 | 213 | 9 |
| 7/28/2012 3:37:31 AM | 0.29 | 209 | 212 | 9 |
| 7/28/2012 3:38:31 AM | 0.29 | 209 | 212 | 9 |
| 7/28/2012 3:39:31 AM | 0.29 | 208 | 209 | 9 |
| 7/28/2012 3:40:31 AM | 0.29 | 208 | 211 | 9 |
| 7/28/2012 3:41:31 AM | 0.29 | 208 | 210 | 9 |
| 7/28/2012 3:42:31 AM | 0.29 | 208 | 208 | 9 |
| 7/28/2012 3:43:31 AM | 0.29 | 208 | 207 | 8 |
| 7/28/2012 3:44:31 AM | 0.29 | 208 | 208 | 8 |
| 7/28/2012 3:45:31 AM | 0.29 | 208 | 207 | 8 |
| 7/28/2012 3:46:31 AM | 0.29 | 209 | 209 | 8 |
| 7/28/2012 3:47:31 AM | 0.29 | 210 | 210 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 3:48:31 AM | 0.29 | 210 | 211 | 8 |
| 7/28/2012 3:49:31 AM | 0.29 | 211 | 211 | 8 |
| 7/28/2012 3:50:31 AM | 0.28 | 211 | 209 | 8 |
| 7/28/2012 3:51:31 AM | 0.29 | 211 | 208 | 8 |
| 7/28/2012 3:52:31 AM | 0.29 | 212 | 212 | 8 |
| 7/28/2012 3:53:31 AM | 0.29 | 212 | 213 | 8 |
| 7/28/2012 3:54:31 AM | 0.29 | 212 | 213 | 9 |
| 7/28/2012 3:55:31 AM | 0.29 | 212 | 212 | 9 |
| 7/28/2012 3:56:31 AM | 0.29 | 212 | 212 | 9 |
| 7/28/2012 3:57:31 AM | 0.29 | 212 | 212 | 9 |
| 7/28/2012 3:58:31 AM | 0.29 | 212 | 212 | 9 |
| 7/28/2012 3:59:31 AM | 0.29 | 212 | 212 | 9 |
| 7/28/2012 4:00:31 AM | 0.28 | 213 | 211 | 9 |
| 7/28/2012 4:01:31 AM | 0.29 | 212 | 213 | 9 |
| 7/28/2012 4:02:31 AM | 0.29 | 212 | 213 | 9 |
| 7/28/2012 4:03:31 AM | 0.29 | 211 | 213 | 9 |
| 7/28/2012 4:04:31 AM | 0.29 | 210 | 212 | 8 |
| 7/28/2012 4:05:31 AM | 0.29 | 210 | 211 | 8 |
| 7/28/2012 4:06:31 AM | 0.29 | 211 | 210 | 8 |
| 7/28/2012 4:07:31 AM | 0.28 | 211 | 211 | 8 |
| 7/28/2012 4:08:31 AM | 0.29 | 211 | 210 | 8 |
| 7/28/2012 4:09:31 AM | 0.29 | 211 | 209 | 8 |
| 7/28/2012 4:10:31 AM | 0.29 | 210 | 208 | 8 |
| 7/28/2012 4:11:31 AM | 0.29 | 211 | 210 | 8 |
| 7/28/2012 4:12:31 AM | 0.29 | 211 | 211 | 8 |
| 7/28/2012 4:13:31 AM | 0.29 | 211 | 212 | 8 |
| 7/28/2012 4:14:31 AM | 0.29 | 211 | 212 | 8 |
| 7/28/2012 4:15:31 AM | 0.29 | 211 | 209 | 9 |
| 7/28/2012 4:16:31 AM | 0.29 | 211 | 211 | 9 |
| 7/28/2012 4:17:31 AM | 0.29 | 211 | 211 | 9 |
| 7/28/2012 4:18:31 AM | 0.29 | 211 | 211 | 9 |
| 7/28/2012 4:19:31 AM | 0.28 | 211 | 213 | 8 |
| 7/28/2012 4:20:31 AM | 0.29 | 212 | 212 | 8 |
| 7/28/2012 4:21:31 AM | 0.29 | 212 | 212 | 8 |
| 7/28/2012 4:22:31 AM | 0.29 | 212 | 213 | 8 |
| 7/28/2012 4:23:31 AM | 0.29 | 212 | 213 | 8 |
| 7/28/2012 4:24:31 AM | 0.28 | 212 | 212 | 9 |
| 7/28/2012 4:25:31 AM | 0.29 | 213 | 214 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 4:26:31 AM | 0.29 | 213 | 214 | 9 |
| 7/28/2012 4:27:31 AM | 0.29 | 212 | 213 | 9 |
| 7/28/2012 4:28:31 AM | 0.29 | 213 | 213 | 9 |
| 7/28/2012 4:29:31 AM | 0.29 | 213 | 212 | 9 |
| 7/28/2012 4:30:31 AM | 0.29 | 213 | 213 | 9 |
| 7/28/2012 4:31:31 AM | 0.29 | 213 | 212 | 8 |
| 7/28/2012 4:32:31 AM | 0.29 | 213 | 214 | 8 |
| 7/28/2012 4:33:31 AM | 0.29 | 213 | 216 | 8 |
| 7/28/2012 4:34:31 AM | 0.28 | 213 | 215 | 8 |
| 7/28/2012 4:35:31 AM | 0.28 | 213 | 214 | 8 |
| 7/28/2012 4:36:31 AM | 0.29 | 213 | 214 | 8 |
| 7/28/2012 4:37:31 AM | 0.29 | 213 | 213 | 8 |
| 7/28/2012 4:38:31 AM | 0.28 | 213 | 214 | 8 |
| 7/28/2012 4:39:31 AM | 0.28 | 214 | 216 | 8 |
| 7/28/2012 4:40:31 AM | 0.28 | 214 | 217 | 8 |
| 7/28/2012 4:41:31 AM | 0.28 | 213 | 216 | 8 |
| 7/28/2012 4:42:31 AM | 0.29 | 214 | 217 | 8 |
| 7/28/2012 4:43:31 AM | 0.29 | 214 | 216 | 8 |
| 7/28/2012 4:44:31 AM | 0.29 | 214 | 216 | 8 |
| 7/28/2012 4:45:31 AM | 0.29 | 214 | 218 | 9 |
| 7/28/2012 4:46:31 AM | 0.29 | 214 | 218 | 9 |
| 7/28/2012 4:47:31 AM | 0.28 | 214 | 217 | 9 |
| 7/28/2012 4:48:31 AM | 0.29 | 214 | 218 | 9 |
| 7/28/2012 4:49:31 AM | 0.29 | 214 | 217 | 8 |
| 7/28/2012 4:50:31 AM | 0.28 | 214 | 218 | 8 |
| 7/28/2012 4:51:31 AM | 0.29 | 213 | 217 | 8 |
| 7/28/2012 4:52:31 AM | 0.29 | 212 | 217 | 8 |
| 7/28/2012 4:53:31 AM | 0.29 | 212 | 216 | 8 |
| 7/28/2012 4:54:31 AM | 0.29 | 212 | 215 | 9 |
| 7/28/2012 4:55:31 AM | 0.29 | 212 | 216 | 9 |
| 7/28/2012 4:56:31 AM | 0.29 | 213 | 217 | 9 |
| 7/28/2012 4:57:31 AM | 0.28 | 213 | 217 | 9 |
| 7/28/2012 4:58:31 AM | 0.28 | 213 | 218 | 9 |
| 7/28/2012 4:59:31 AM | 0.28 | 214 | 219 | 9 |
| 7/28/2012 5:00:31 AM | 0.29 | 215 | 217 | 9 |
| 7/28/2012 5:01:31 AM | 0.29 | 215 | 218 | 9 |
| 7/28/2012 5:02:31 AM | 0.28 | 214 | 219 | 9 |
| 7/28/2012 5:03:31 AM | 0.29 | 214 | 219 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 5:04:31 AM | 0.29 | 214 | 220 | 8 |
| 7/28/2012 5:05:31 AM | 0.29 | 214 | 219 | 8 |
| 7/28/2012 5:06:31 AM | 0.29 | 214 | 218 | 8 |
| 7/28/2012 5:07:31 AM | 0.29 | 214 | 219 | 8 |
| 7/28/2012 5:08:31 AM | 0.29 | 214 | 219 | 8 |
| 7/28/2012 5:09:31 AM | 0.29 | 215 | 221 | 9 |
| 7/28/2012 5:10:31 AM | 0.28 | 214 | 223 | 9 |
| 7/28/2012 5:11:31 AM | 0.28 | 214 | 221 | 9 |
| 7/28/2012 5:12:31 AM | 0.29 | 214 | 220 | 9 |
| 7/28/2012 5:13:31 AM | 0.28 | 214 | 220 | 8 |
| 7/28/2012 5:14:31 AM | 0.29 | 214 | 222 | 8 |
| 7/28/2012 5:15:31 AM | 0.29 | 213 | 223 | 9 |
| 7/28/2012 5:16:31 AM | 0.29 | 213 | 222 | 9 |
| 7/28/2012 5:17:31 AM | 0.29 | 214 | 222 | 9 |
| 7/28/2012 5:18:31 AM | 0.29 | 214 | 222 | 9 |
| 7/28/2012 5:19:31 AM | 0.29 | 214 | 222 | 8 |
| 7/28/2012 5:20:31 AM | 0.28 | 214 | 222 | 8 |
| 7/28/2012 5:21:31 AM | 0.28 | 214 | 223 | 8 |
| 7/28/2012 5:22:31 AM | 0.29 | 215 | 225 | 8 |
| 7/28/2012 5:23:31 AM | 0.28 | 215 | 227 | 8 |
| 7/28/2012 5:24:31 AM | 0.29 | 216 | 228 | 8 |
| 7/28/2012 5:25:31 AM | 0.28 | 216 | 228 | 8 |
| 7/28/2012 5:26:31 AM | 0.29 | 216 | 228 | 8 |
| 7/28/2012 5:27:31 AM | 0.28 | 216 | 228 | 8 |
| 7/28/2012 5:28:31 AM | 0.28 | 216 | 228 | 8 |
| 7/28/2012 5:29:31 AM | 0.29 | 216 | 230 | 8 |
| 7/28/2012 5:30:31 AM | 0.28 | 216 | 232 | 8 |
| 7/28/2012 5:31:31 AM | 0.29 | 216 | 233 | 8 |
| 7/28/2012 5:32:31 AM | 0.28 | 215 | 233 | 8 |
| 7/28/2012 5:33:31 AM | 0.29 | 215 | 233 | 8 |
| 7/28/2012 5:34:31 AM | 0.28 | 216 | 233 | 8 |
| 7/28/2012 5:35:31 AM | 0.29 | 216 | 235 | 8 |
| 7/28/2012 5:36:31 AM | 0.29 | 216 | 236 | 8 |
| 7/28/2012 5:37:31 AM | 0.29 | 216 | 237 | 8 |
| 7/28/2012 5:38:31 AM | 0.28 | 216 | 237 | 8 |
| 7/28/2012 5:39:31 AM | 0.29 | 216 | 236 | 8 |
| 7/28/2012 5:40:31 AM | 0.28 | 216 | 237 | 8 |
| 7/28/2012 5:41:31 AM | 0.28 | 216 | 239 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 5:42:31 AM | 0.29 | 217 | 238 | 8 |
| 7/28/2012 5:43:31 AM | 0.28 | 217 | 240 | 8 |
| 7/28/2012 5:44:31 AM | 0.28 | 217 | 240 | 8 |
| 7/28/2012 5:45:31 AM | 0.28 | 216 | 239 | 8 |
| 7/28/2012 5:46:31 AM | 0.29 | 217 | 242 | 8 |
| 7/28/2012 5:47:31 AM | 0.28 | 217 | 242 | 8 |
| 7/28/2012 5:48:31 AM | 0.29 | 218 | 242 | 9 |
| 7/28/2012 5:49:31 AM | 0.28 | 217 | 243 | 9 |
| 7/28/2012 5:50:31 AM | 0.29 | 218 | 242 | 9 |
| 7/28/2012 5:51:31 AM | 0.28 | 218 | 243 | 9 |
| 7/28/2012 5:52:31 AM | 0.28 | 218 | 242 | 9 |
| 7/28/2012 5:53:31 AM | 0.28 | 218 | 241 | 9 |
| 7/28/2012 5:54:31 AM | 0.29 | 217 | 242 | 9 |
| 7/28/2012 5:55:31 AM | 0.29 | 215 | 242 | 9 |
| 7/28/2012 5:56:31 AM | 0.29 | 215 | 241 | 9 |
| 7/28/2012 5:57:31 AM | 0.29 | 215 | 241 | 9 |
| 7/28/2012 5:58:31 AM | 0.28 | 215 | 237 | 9 |
| 7/28/2012 5:59:31 AM | 0.29 | 216 | 237 | 9 |
| 7/28/2012 6:00:31 AM | 0.29 | 216 | 238 | 9 |
| 7/28/2012 6:01:31 AM | 0.29 | 216 | 240 | 9 |
| 7/28/2012 6:02:31 AM | 0.29 | 216 | 239 | 9 |
| 7/28/2012 6:03:31 AM | 0.29 | 216 | 239 | 9 |
| 7/28/2012 6:04:31 AM | 0.28 | 216 | 241 | 9 |
| 7/28/2012 6:05:31 AM | 0.28 | 217 | 240 | 9 |
| 7/28/2012 6:06:31 AM | 0.28 | 217 | 241 | 9 |
| 7/28/2012 6:07:31 AM | 0.29 | 217 | 239 | 9 |
| 7/28/2012 6:08:31 AM | 0.29 | 217 | 239 | 9 |
| 7/28/2012 6:09:31 AM | 0.29 | 216 | 239 | 9 |
| 7/28/2012 6:10:31 AM | 0.29 | 216 | 240 | 9 |
| 7/28/2012 6:11:31 AM | 0.29 | 217 | 241 | 9 |
| 7/28/2012 6:12:31 AM | 0.29 | 217 | 242 | 9 |
| 7/28/2012 6:13:31 AM | 0.29 | 217 | 242 | 8 |
| 7/28/2012 6:14:31 AM | 0.29 | 218 | 242 | 8 |
| 7/28/2012 6:15:31 AM | 0.29 | 217 | 243 | 8 |
| 7/28/2012 6:16:31 AM | 0.29 | 217 | 242 | 8 |
| 7/28/2012 6:17:31 AM | 0.29 | 216 | 242 | 8 |
| 7/28/2012 6:18:31 AM | 0.29 | 216 | 242 | 9 |
| 7/28/2012 6:19:31 AM | 0.29 | 217 | 243 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 6:20:31 AM | 0.29 | 217 | 243 | 9 |
| 7/28/2012 6:21:31 AM | 0.29 | 217 | 243 | 9 |
| 7/28/2012 6:22:31 AM | 0.29 | 217 | 242 | 9 |
| 7/28/2012 6:23:31 AM | 0.29 | 217 | 242 | 9 |
| 7/28/2012 6:24:31 AM | 0.29 | 217 | 243 | 9 |
| 7/28/2012 6:25:31 AM | 0.28 | 217 | 244 | 8 |
| 7/28/2012 6:26:31 AM | 0.29 | 218 | 244 | 8 |
| 7/28/2012 6:27:31 AM | 0.29 | 217 | 245 | 9 |
| 7/28/2012 6:28:31 AM | 0.29 | 218 | 244 | 9 |
| 7/28/2012 6:29:31 AM | 0.29 | 218 | 244 | 9 |
| 7/28/2012 6:30:31 AM | 0.29 | 218 | 244 | 9 |
| 7/28/2012 6:31:31 AM | 0.28 | 218 | 245 | 9 |
| 7/28/2012 6:32:31 AM | 0.29 | 217 | 245 | 9 |
| 7/28/2012 6:33:31 AM | 0.29 | 218 | 246 | 9 |
| 7/28/2012 6:34:31 AM | 0.29 | 218 | 247 | 8 |
| 7/28/2012 6:35:31 AM | 0.29 | 218 | 248 | 8 |
| 7/28/2012 6:36:31 AM | 0.29 | 218 | 247 | 9 |
| 7/28/2012 6:37:31 AM | 0.29 | 219 | 247 | 9 |
| 7/28/2012 6:38:31 AM | 0.29 | 219 | 247 | 9 |
| 7/28/2012 6:39:31 AM | 0.29 | 219 | 246 | 9 |
| 7/28/2012 6:40:31 AM | 0.29 | 219 | 247 | 9 |
| 7/28/2012 6:41:31 AM | 0.28 | 219 | 247 | 9 |
| 7/28/2012 6:42:31 AM | 0.29 | 219 | 246 | 9 |
| 7/28/2012 6:43:31 AM | 0.28 | 218 | 247 | 9 |
| 7/28/2012 6:44:31 AM | 0.28 | 219 | 245 | 9 |
| 7/28/2012 6:45:31 AM | 0.28 | 219 | 247 | 9 |
| 7/28/2012 6:46:31 AM | 0.29 | 219 | 246 | 9 |
| 7/28/2012 6:47:31 AM | 0.29 | 219 | 248 | 9 |
| 7/28/2012 6:48:31 AM | 0.29 | 218 | 248 | 9 |
| 7/28/2012 6:49:31 AM | 0.29 | 218 | 248 | 9 |
| 7/28/2012 6:50:31 AM | 0.28 | 217 | 247 | 9 |
| 7/28/2012 6:51:31 AM | 0.29 | 218 | 247 | 9 |
| 7/28/2012 6:52:31 AM | 0.29 | 217 | 248 | 8 |
| 7/28/2012 6:53:31 AM | 0.29 | 217 | 247 | 8 |
| 7/28/2012 6:54:31 AM | 0.29 | 218 | 247 | 8 |
| 7/28/2012 6:55:31 AM | 0.28 | 217 | 249 | 8 |
| 7/28/2012 6:56:31 AM | 0.29 | 217 | 247 | 8 |
| 7/28/2012 6:57:31 AM | 0.29 | 218 | 247 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 6:58:31 AM | 0.29 | 218 | 248 | 8 |
| 7/28/2012 6:59:31 AM | 0.29 | 218 | 247 | 8 |
| 7/28/2012 7:00:31 AM | 0.29 | 218 | 248 | 9 |
| 7/28/2012 7:01:31 AM | 0.28 | 218 | 249 | 9 |
| 7/28/2012 7:02:31 AM | 0.28 | 218 | 249 | 9 |
| 7/28/2012 7:03:31 AM | 0.29 | 218 | 249 | 9 |
| 7/28/2012 7:04:31 AM | 0.29 | 218 | 251 | 9 |
| 7/28/2012 7:05:31 AM | 0.29 | 218 | 250 | 9 |
| 7/28/2012 7:06:31 AM | 0.29 | 218 | 249 | 9 |
| 7/28/2012 7:07:31 AM | 0.29 | 218 | 249 | 9 |
| 7/28/2012 7:08:31 AM | 0.29 | 218 | 250 | 9 |
| 7/28/2012 7:09:31 AM | 0.29 | 218 | 251 | 9 |
| 7/28/2012 7:10:31 AM | 0.29 | 218 | 251 | 8 |
| 7/28/2012 7:11:31 AM | 0.29 | 218 | 252 | 8 |
| 7/28/2012 7:12:31 AM | 0.29 | 218 | 251 | 9 |
| 7/28/2012 7:13:31 AM | 0.29 | 219 | 251 | 9 |
| 7/28/2012 7:14:31 AM | 0.29 | 219 | 251 | 9 |
| 7/28/2012 7:15:31 AM | 0.29 | 218 | 250 | 9 |
| 7/28/2012 7:16:31 AM | 0.29 | 218 | 250 | 8 |
| 7/28/2012 7:17:31 AM | 0.29 | 217 | 248 | 8 |
| 7/28/2012 7:18:31 AM | 0.29 | 217 | 248 | 8 |
| 7/28/2012 7:19:31 AM | 0.30 | 216 | 248 | 8 |
| 7/28/2012 7:20:31 AM | 0.30 | 216 | 248 | 8 |
| 7/28/2012 7:21:31 AM | 0.29 | 215 | 246 | 8 |
| 7/28/2012 7:22:31 AM | 0.29 | 215 | 245 | 9 |
| 7/28/2012 7:23:31 AM | 0.29 | 215 | 244 | 9 |
| 7/28/2012 7:24:31 AM | 0.30 | 216 | 243 | 9 |
| 7/28/2012 7:25:31 AM | 0.29 | 217 | 244 | 8 |
| 7/28/2012 7:26:31 AM | 0.29 | 217 | 245 | 8 |
| 7/28/2012 7:27:31 AM | 0.29 | 217 | 246 | 8 |
| 7/28/2012 7:28:31 AM | 0.29 | 218 | 245 | 8 |
| 7/28/2012 7:29:31 AM | 0.29 | 218 | 246 | 8 |
| 7/28/2012 7:30:31 AM | 0.29 | 218 | 248 | 8 |
| 7/28/2012 7:31:31 AM | 0.29 | 218 | 247 | 8 |
| 7/28/2012 7:32:31 AM | 0.29 | 218 | 247 | 8 |
| 7/28/2012 7:33:31 AM | 0.29 | 218 | 248 | 8 |
| 7/28/2012 7:34:31 AM | 0.29 | 219 | 248 | 8 |
| 7/28/2012 7:35:31 AM | 0.29 | 219 | 248 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 7:36:31 AM | 0.29 | 220 | 249 | 8 |
| 7/28/2012 7:37:31 AM | 0.28 | 219 | 251 | 8 |
| 7/28/2012 7:38:31 AM | 0.28 | 219 | 252 | 8 |
| 7/28/2012 7:39:31 AM | 0.29 | 219 | 251 | 9 |
| 7/28/2012 7:40:31 AM | 0.29 | 219 | 253 | 9 |
| 7/28/2012 7:41:31 AM | 0.29 | 219 | 253 | 9 |
| 7/28/2012 7:42:31 AM | 0.29 | 219 | 254 | 9 |
| 7/28/2012 7:43:31 AM | 0.29 | 218 | 255 | 8 |
| 7/28/2012 7:44:31 AM | 0.29 | 218 | 253 | 8 |
| 7/28/2012 7:45:31 AM | 0.29 | 218 | 253 | 9 |
| 7/28/2012 7:46:31 AM | 0.29 | 217 | 253 | 9 |
| 7/28/2012 7:47:31 AM | 0.29 | 218 | 254 | 9 |
| 7/28/2012 7:48:31 AM | 0.29 | 218 | 255 | 9 |
| 7/28/2012 7:49:31 AM | 0.29 | 218 | 255 | 8 |
| 7/28/2012 7:50:31 AM | 0.29 | 218 | 254 | 8 |
| 7/28/2012 7:51:31 AM | 0.29 | 219 | 253 | 8 |
| 7/28/2012 7:52:31 AM | 0.29 | 219 | 253 | 8 |
| 7/28/2012 7:53:31 AM | 0.29 | 218 | 256 | 8 |
| 7/28/2012 7:54:31 AM | 0.28 | 218 | 255 | 8 |
| 7/28/2012 7:55:31 AM | 0.29 | 218 | 256 | 8 |
| 7/28/2012 7:56:31 AM | 0.29 | 219 | 257 | 8 |
| 7/28/2012 7:57:31 AM | 0.29 | 219 | 256 | 8 |
| 7/28/2012 7:58:31 AM | 0.29 | 220 | 256 | 8 |
| 7/28/2012 7:59:31 AM | 0.28 | 221 | 258 | 8 |
| 7/28/2012 8:00:31 AM | 0.29 | 220 | 260 | 8 |
| 7/28/2012 8:01:31 AM | 0.29 | 221 | 261 | 8 |
| 7/28/2012 8:02:31 AM | 0.28 | 220 | 261 | 8 |
| 7/28/2012 8:03:31 AM | 0.29 | 220 | 259 | 8 |
| 7/28/2012 8:04:31 AM | 0.29 | 220 | 259 | 8 |
| 7/28/2012 8:05:31 AM | 0.28 | 220 | 260 | 8 |
| 7/28/2012 8:06:31 AM | 0.29 | 219 | 260 | 8 |
| 7/28/2012 8:07:31 AM | 0.29 | 219 | 261 | 8 |
| 7/28/2012 8:08:31 AM | 0.29 | 220 | 261 | 8 |
| 7/28/2012 8:09:31 AM | 0.29 | 220 | 261 | 9 |
| 7/28/2012 8:10:31 AM | 0.29 | 219 | 259 | 9 |
| 7/28/2012 8:11:31 AM | 0.28 | 218 | 258 | 9 |
| 7/28/2012 8:12:31 AM | 0.29 | 218 | 259 | 9 |
| 7/28/2012 8:13:31 AM | 0.29 | 219 | 262 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 8:14:31 AM | 0.29 | 219 | 262 | 8 |
| 7/28/2012 8:15:31 AM | 0.29 | 220 | 262 | 8 |
| 7/28/2012 8:16:31 AM | 0.29 | 220 | 265 | 8 |
| 7/28/2012 8:17:31 AM | 0.28 | 221 | 265 | 8 |
| 7/28/2012 8:18:31 AM | 0.29 | 221 | 266 | 8 |
| 7/28/2012 8:19:31 AM | 0.29 | 222 | 267 | 8 |
| 7/28/2012 8:20:31 AM | 0.29 | 221 | 268 | 8 |
| 7/28/2012 8:21:31 AM | 0.29 | 221 | 269 | 8 |
| 7/28/2012 8:22:31 AM | 0.29 | 221 | 271 | 8 |
| 7/28/2012 8:23:31 AM | 0.29 | 220 | 270 | 8 |
| 7/28/2012 8:24:31 AM | 0.29 | 220 | 269 | 8 |
| 7/28/2012 8:25:31 AM | 0.29 | 220 | 268 | 8 |
| 7/28/2012 8:26:31 AM | 0.29 | 219 | 269 | 8 |
| 7/28/2012 8:27:31 AM | 0.29 | 219 | 268 | 8 |
| 7/28/2012 8:28:31 AM | 0.29 | 218 | 269 | 8 |
| 7/28/2012 8:29:31 AM | 0.29 | 218 | 269 | 8 |
| 7/28/2012 8:30:31 AM | 0.29 | 218 | 268 | 8 |
| 7/28/2012 8:31:31 AM | 0.29 | 218 | 267 | 8 |
| 7/28/2012 8:32:31 AM | 0.29 | 218 | 267 | 8 |
| 7/28/2012 8:33:31 AM | 0.29 | 218 | 268 | 8 |
| 7/28/2012 8:34:31 AM | 0.29 | 217 | 269 | 8 |
| 7/28/2012 8:35:31 AM | 0.29 | 218 | 269 | 8 |
| 7/28/2012 8:36:31 AM | 0.29 | 217 | 270 | 8 |
| 7/28/2012 8:37:31 AM | 0.29 | 218 | 272 | 8 |
| 7/28/2012 8:38:31 AM | 0.29 | 217 | 273 | 8 |
| 7/28/2012 8:39:31 AM | 0.29 | 218 | 272 | 8 |
| 7/28/2012 8:40:31 AM | 0.29 | 217 | 272 | 8 |
| 7/28/2012 8:41:31 AM | 0.29 | 218 | 272 | 8 |
| 7/28/2012 8:42:31 AM | 0.29 | 218 | 273 | 8 |
| 7/28/2012 8:43:31 AM | 0.29 | 218 | 273 | 8 |
| 7/28/2012 8:44:31 AM | 0.29 | 218 | 273 | 8 |
| 7/28/2012 8:45:31 AM | 0.29 | 218 | 274 | 9 |
| 7/28/2012 8:46:31 AM | 0.29 | 218 | 278 | 9 |
| 7/28/2012 8:47:31 AM | 0.29 | 217 | 278 | 9 |
| 7/28/2012 8:48:31 AM | 0.29 | 217 | 279 | 9 |
| 7/28/2012 8:49:31 AM | 0.29 | 218 | 280 | 9 |
| 7/28/2012 8:50:31 AM | 0.29 | 217 | 281 | 9 |
| 7/28/2012 8:51:31 AM | 0.29 | 217 | 278 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 8:52:31 AM | 0.29 | 217 | 278 | 9 |
| 7/28/2012 8:53:31 AM | 0.29 | 217 | 279 | 9 |
| 7/28/2012 8:54:31 AM | 0.29 | 217 | 280 | 9 |
| 7/28/2012 8:55:31 AM | 0.29 | 218 | 281 | 9 |
| 7/28/2012 8:56:31 AM | 0.29 | 218 | 281 | 9 |
| 7/28/2012 8:57:31 AM | 0.29 | 218 | 282 | 9 |
| 7/28/2012 8:58:31 AM | 0.29 | 219 | 283 | 8 |
| 7/28/2012 8:59:31 AM | 0.29 | 218 | 282 | 8 |
| 7/28/2012 9:00:31 AM | 0.29 | 218 | 282 | 8 |
| 7/28/2012 9:01:31 AM | 0.29 | 218 | 283 | 8 |
| 7/28/2012 9:02:31 AM | 0.29 | 218 | 286 | 8 |
| 7/28/2012 9:03:31 AM | 0.29 | 218 | 285 | 9 |
| 7/28/2012 9:04:31 AM | 0.29 | 218 | 285 | 9 |
| 7/28/2012 9:05:31 AM | 0.29 | 218 | 284 | 9 |
| 7/28/2012 9:06:31 AM | 0.29 | 217 | 283 | 9 |
| 7/28/2012 9:07:31 AM | 0.29 | 217 | 283 | 8 |
| 7/28/2012 9:08:31 AM | 0.29 | 217 | 283 | 8 |
| 7/28/2012 9:09:31 AM | 0.29 | 217 | 282 | 9 |
| 7/28/2012 9:10:31 AM | 0.29 | 217 | 283 | 9 |
| 7/28/2012 9:11:31 AM | 0.29 | 217 | 283 | 9 |
| 7/28/2012 9:12:31 AM | 0.29 | 217 | 284 | 9 |
| 7/28/2012 9:13:31 AM | 0.29 | 217 | 282 | 9 |
| 7/28/2012 9:14:31 AM | 0.29 | 216 | 282 | 9 |
| 7/28/2012 9:15:31 AM | 0.30 | 217 | 283 | 9 |
| 7/28/2012 9:16:31 AM | 0.29 | 216 | 283 | 9 |
| 7/28/2012 9:17:31 AM | 0.29 | 216 | 282 | 9 |
| 7/28/2012 9:18:31 AM | 0.29 | 216 | 282 | 9 |
| 7/28/2012 9:19:31 AM | 0.29 | 216 | 282 | 9 |
| 7/28/2012 9:20:31 AM | 0.29 | 216 | 283 | 9 |
| 7/28/2012 9:21:31 AM | 0.29 | 216 | 283 | 9 |
| 7/28/2012 9:22:31 AM | 0.29 | 217 | 284 | 9 |
| 7/28/2012 9:23:31 AM | 0.29 | 217 | 284 | 9 |
| 7/28/2012 9:24:31 AM | 0.29 | 217 | 284 | 9 |
| 7/28/2012 9:25:31 AM | 0.29 | 217 | 285 | 9 |
| 7/28/2012 9:26:31 AM | 0.29 | 217 | 285 | 9 |
| 7/28/2012 9:27:31 AM | 0.29 | 217 | 286 | 9 |
| 7/28/2012 9:28:31 AM | 0.29 | 217 | 286 | 9 |
| 7/28/2012 9:29:31 AM | 0.29 | 217 | 284 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 9:30:31 AM | 0.29 | 217 | 285 | 9 |
| 7/28/2012 9:31:31 AM | 0.29 | 217 | 286 | 9 |
| 7/28/2012 9:32:31 AM | 0.29 | 217 | 285 | 9 |
| 7/28/2012 9:33:31 AM | 0.29 | 217 | 285 | 9 |
| 7/28/2012 9:34:31 AM | 0.29 | 218 | 287 | 9 |
| 7/28/2012 9:35:31 AM | 0.29 | 217 | 286 | 9 |
| 7/28/2012 9:36:31 AM | 0.29 | 217 | 286 | 9 |
| 7/28/2012 9:37:31 AM | 0.29 | 216 | 286 | 9 |
| 7/28/2012 9:38:31 AM | 0.29 | 216 | 286 | 9 |
| 7/28/2012 9:39:31 AM | 0.29 | 216 | 286 | 9 |
| 7/28/2012 9:40:31 AM | 0.29 | 216 | 286 | 9 |
| 7/28/2012 9:41:31 AM | 0.29 | 217 | 286 | 9 |
| 7/28/2012 9:42:31 AM | 0.29 | 217 | 287 | 9 |
| 7/28/2012 9:43:31 AM | 0.30 | 217 | 288 | 9 |
| 7/28/2012 9:44:31 AM | 0.29 | 217 | 289 | 9 |
| 7/28/2012 9:45:31 AM | 0.29 | 217 | 287 | 9 |
| 7/28/2012 9:46:31 AM | 0.29 | 217 | 288 | 9 |
| 7/28/2012 9:47:31 AM | 0.29 | 216 | 288 | 9 |
| 7/28/2012 9:48:31 AM | 0.30 | 216 | 287 | 9 |
| 7/28/2012 9:49:31 AM | 0.30 | 216 | 287 | 9 |
| 7/28/2012 9:50:31 AM | 0.29 | 216 | 287 | 9 |
| 7/28/2012 9:51:31 AM | 0.29 | 216 | 287 | 9 |
| 7/28/2012 9:52:31 AM | 0.29 | 216 | 288 | 9 |
| 7/28/2012 9:53:31 AM | 0.29 | 216 | 288 | 9 |
| 7/28/2012 9:54:31 AM | 0.29 | 215 | 287 | 9 |
| 7/28/2012 9:55:31 AM | 0.29 | 215 | 287 | 9 |
| 7/28/2012 9:56:31 AM | 0.30 | 215 | 287 | 9 |
| 7/28/2012 9:57:31 AM | 0.29 | 216 | 287 | 10 |
| 7/28/2012 9:58:31 AM | 0.30 | 216 | 288 | 10 |
| 7/28/2012 9:59:31 AM | 0.29 | 216 | 292 | 10 |
| 7/28/2012 10:00:31 AM | 0.29 | 216 | 289 | 10 |
| 7/28/2012 10:01:31 AM | 0.29 | 216 | 289 | 9 |
| 7/28/2012 10:02:31 AM | 0.30 | 216 | 290 | 9 |
| 7/28/2012 10:03:31 AM | 0.29 | 216 | 291 | 9 |
| 7/28/2012 10:04:31 AM | 0.30 | 216 | 291 | 9 |
| 7/28/2012 10:05:31 AM | 0.29 | 217 | 291 | 9 |
| 7/28/2012 10:06:31 AM | 0.29 | 216 | 291 | 10 |
| 7/28/2012 10:07:31 AM | 0.29 | 217 | 290 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 10:08:31 AM | 0.29 | 217 | 291 | 10 |
| 7/28/2012 10:09:31 AM | 0.29 | 217 | 291 | 10 |
| 7/28/2012 10:10:31 AM | 0.29 | 217 | 293 | 10 |
| 7/28/2012 10:11:31 AM | 0.29 | 217 | 293 | 10 |
| 7/28/2012 10:12:31 AM | 0.30 | 217 | 293 | 10 |
| 7/28/2012 10:13:31 AM | 0.30 | 216 | 292 | 10 |
| 7/28/2012 10:14:31 AM | 0.29 | 216 | 291 | 10 |
| 7/28/2012 10:15:31 AM | 0.29 | 216 | 291 | 10 |
| 7/28/2012 10:16:31 AM | 0.29 | 216 | 291 | 9 |
| 7/28/2012 10:17:31 AM | 0.30 | 216 | 292 | 9 |
| 7/28/2012 10:18:31 AM | 0.30 | 216 | 290 | 10 |
| 7/28/2012 10:19:31 AM | 0.29 | 215 | 291 | 10 |
| 7/28/2012 10:20:31 AM | 0.30 | 216 | 291 | 10 |
| 7/28/2012 10:21:31 AM | 0.29 | 216 | 290 | 10 |
| 7/28/2012 10:22:31 AM | 0.29 | 215 | 290 | 10 |
| 7/28/2012 10:23:31 AM | 0.30 | 216 | 291 | 10 |
| 7/28/2012 10:24:31 AM | 0.29 | 216 | 291 | 10 |
| 7/28/2012 10:25:31 AM | 0.30 | 216 | 291 | 10 |
| 7/28/2012 10:26:31 AM | 0.30 | 216 | 291 | 10 |
| 7/28/2012 10:27:31 AM | 0.29 | 216 | 292 | 10 |
| 7/28/2012 10:28:31 AM | 0.29 | 216 | 291 | 10 |
| 7/28/2012 10:29:31 AM | 0.29 | 217 | 292 | 10 |
| 7/28/2012 10:30:31 AM | 0.29 | 217 | 292 | 10 |
| 7/28/2012 10:31:31 AM | 0.29 | 219 | 294 | 10 |
| 7/28/2012 10:32:31 AM | 0.29 | 220 | 294 | 10 |
| 7/28/2012 10:33:31 AM | 0.29 | 220 | 294 | 10 |
| 7/28/2012 10:34:31 AM | 0.29 | 220 | 295 | 10 |
| 7/28/2012 10:35:31 AM | 0.29 | 221 | 296 | 10 |
| 7/28/2012 10:36:31 AM | 0.29 | 222 | 297 | 10 |
| 7/28/2012 10:37:31 AM | 0.29 | 223 | 299 | 9 |
| 7/28/2012 10:38:31 AM | 0.29 | 223 | 299 | 9 |
| 7/28/2012 10:39:31 AM | 0.29 | 223 | 299 | 10 |
| 7/28/2012 10:40:31 AM | 0.28 | 222 | 299 | 10 |
| 7/28/2012 10:41:31 AM | 0.29 | 223 | 299 | 10 |
| 7/28/2012 10:42:31 AM | 0.29 | 223 | 300 | 10 |
| 7/28/2012 10:43:31 AM | 0.29 | 223 | 299 | 10 |
| 7/28/2012 10:44:31 AM | 0.29 | 223 | 301 | 10 |
| 7/28/2012 10:45:31 AM | 0.29 | 224 | 302 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 10:46:31 AM | 0.29 | 224 | 302 | 10 |
| 7/28/2012 10:47:31 AM | 0.29 | 222 | 302 | 10 |
| 7/28/2012 10:48:31 AM | 0.29 | 221 | 301 | 10 |
| 7/28/2012 10:49:31 AM | 0.29 | 221 | 301 | 10 |
| 7/28/2012 10:50:31 AM | 0.29 | 223 | 300 | 10 |
| 7/28/2012 10:51:31 AM | 0.29 | 223 | 300 | 10 |
| 7/28/2012 10:52:31 AM | 0.29 | 222 | 301 | 9 |
| 7/28/2012 10:53:31 AM | 0.29 | 223 | 301 | 9 |
| 7/28/2012 10:54:31 AM | 0.29 | 224 | 302 | 10 |
| 7/28/2012 10:55:31 AM | 0.29 | 224 | 304 | 10 |
| 7/28/2012 10:56:31 AM | 0.29 | 223 | 303 | 10 |
| 7/28/2012 10:57:31 AM | 0.29 | 222 | 302 | 10 |
| 7/28/2012 10:58:31 AM | 0.29 | 221 | 301 | 10 |
| 7/28/2012 10:59:31 AM | 0.29 | 221 | 300 | 10 |
| 7/28/2012 11:00:31 AM | 0.30 | 221 | 298 | 10 |
| 7/28/2012 11:01:31 AM | 0.30 | 220 | 297 | 9 |
| 7/28/2012 11:02:31 AM | 0.29 | 220 | 296 | 9 |
| 7/28/2012 11:03:31 AM | 0.29 | 221 | 296 | 10 |
| 7/28/2012 11:04:31 AM | 0.29 | 220 | 295 | 10 |
| 7/28/2012 11:05:31 AM | 0.29 | 220 | 295 | 10 |
| 7/28/2012 11:06:31 AM | 0.29 | 220 | 294 | 10 |
| 7/28/2012 11:07:31 AM | 0.30 | 219 | 293 | 10 |
| 7/28/2012 11:08:31 AM | 0.30 | 220 | 292 | 10 |
| 7/28/2012 11:09:31 AM | 0.30 | 220 | 291 | 10 |
| 7/28/2012 11:10:31 AM | 0.29 | 219 | 291 | 9 |
| 7/28/2012 11:11:31 AM | 0.29 | 221 | 291 | 9 |
| 7/28/2012 11:12:31 AM | 0.29 | 220 | 292 | 10 |
| 7/28/2012 11:13:31 AM | 0.29 | 220 | 293 | 10 |
| 7/28/2012 11:14:31 AM | 0.29 | 220 | 293 | 10 |
| 7/28/2012 11:15:31 AM | 0.29 | 220 | 293 | 10 |
| 7/28/2012 11:16:31 AM | 0.29 | 220 | 294 | 10 |
| 7/28/2012 11:17:31 AM | 0.29 | 219 | 294 | 10 |
| 7/28/2012 11:18:31 AM | 0.29 | 220 | 293 | 10 |
| 7/28/2012 11:19:31 AM | 0.30 | 220 | 293 | 9 |
| 7/28/2012 11:20:31 AM | 0.29 | 220 | 292 | 9 |
| 7/28/2012 11:21:31 AM | 0.29 | 220 | 294 | 10 |
| 7/28/2012 11:22:31 AM | 0.29 | 220 | 295 | 10 |
| 7/28/2012 11:23:31 AM | 0.29 | 220 | 295 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 11:24:31 AM | 0.29 | 221 | 295 | 10 |
| 7/28/2012 11:25:31 AM | 0.29 | 220 | 296 | 10 |
| 7/28/2012 11:26:31 AM | 0.29 | 220 | 295 | 10 |
| 7/28/2012 11:27:31 AM | 0.29 | 220 | 294 | 10 |
| 7/28/2012 11:28:31 AM | 0.29 | 219 | 295 | 10 |
| 7/28/2012 11:29:31 AM | 0.29 | 221 | 294 | 10 |
| 7/28/2012 11:30:31 AM | 0.29 | 221 | 295 | 10 |
| 7/28/2012 11:31:31 AM | 0.29 | 220 | 295 | 10 |
| 7/28/2012 11:32:31 AM | 0.29 | 219 | 294 | 10 |
| 7/28/2012 11:33:31 AM | 0.29 | 218 | 293 | 10 |
| 7/28/2012 11:34:31 AM | 0.30 | 218 | 294 | 10 |
| 7/28/2012 11:35:31 AM | 0.29 | 218 | 292 | 10 |
| 7/28/2012 11:36:31 AM | 0.30 | 218 | 291 | 10 |
| 7/28/2012 11:37:31 AM | 0.30 | 218 | 292 | 10 |
| 7/28/2012 11:38:31 AM | 0.30 | 217 | 291 | 10 |
| 7/28/2012 11:39:31 AM | 0.30 | 217 | 291 | 10 |
| 7/28/2012 11:40:31 AM | 0.30 | 217 | 290 | 10 |
| 7/28/2012 11:41:31 AM | 0.30 | 216 | 289 | 10 |
| 7/28/2012 11:42:31 AM | 0.30 | 216 | 288 | 10 |
| 7/28/2012 11:43:31 AM | 0.30 | 216 | 289 | 10 |
| 7/28/2012 11:44:31 AM | 0.30 | 216 | 289 | 10 |
| 7/28/2012 11:45:31 AM | 0.30 | 217 | 291 | 10 |
| 7/28/2012 11:46:31 AM | 0.29 | 217 | 292 | 10 |
| 7/28/2012 11:47:31 AM | 0.30 | 217 | 291 | 10 |
| 7/28/2012 11:48:31 AM | 0.29 | 217 | 292 | 10 |
| 7/28/2012 11:49:31 AM | 0.30 | 217 | 292 | 10 |
| 7/28/2012 11:50:31 AM | 0.29 | 217 | 290 | 10 |
| 7/28/2012 11:51:31 AM | 0.29 | 217 | 290 | 10 |
| 7/28/2012 11:52:31 AM | 0.30 | 217 | 291 | 10 |
| 7/28/2012 11:53:31 AM | 0.29 | 217 | 291 | 10 |
| 7/28/2012 11:54:31 AM | 0.29 | 218 | 291 | 10 |
| 7/28/2012 11:55:31 AM | 0.30 | 219 | 292 | 10 |
| 7/28/2012 11:56:31 AM | 0.30 | 219 | 293 | 10 |
| 7/28/2012 11:57:31 AM | 0.29 | 219 | 293 | 10 |
| 7/28/2012 11:58:31 AM | 0.30 | 219 | 292 | 10 |
| 7/28/2012 11:59:31 AM | 0.30 | 219 | 293 | 10 |
| 7/28/2012 12:00:31 PM | 0.30 | 218 | 292 | 10 |
| 7/28/2012 12:01:31 PM | 0.30 | 218 | 293 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 12:02:31 PM | 0.30 | 218 | 291 | 10 |
| 7/28/2012 12:03:31 PM | 0.30 | 218 | 292 | 10 |
| 7/28/2012 12:04:31 PM | 0.29 | 219 | 293 | 10 |
| 7/28/2012 12:05:31 PM | 0.29 | 220 | 294 | 10 |
| 7/28/2012 12:06:31 PM | 0.29 | 220 | 294 | 10 |
| 7/28/2012 12:07:31 PM | 0.29 | 221 | 298 | 10 |
| 7/28/2012 12:08:31 PM | 0.29 | 221 | 297 | 10 |
| 7/28/2012 12:09:31 PM | 0.29 | 221 | 297 | 10 |
| 7/28/2012 12:10:31 PM | 0.29 | 222 | 297 | 10 |
| 7/28/2012 12:11:31 PM | 0.29 | 222 | 299 | 10 |
| 7/28/2012 12:12:31 PM | 0.29 | 221 | 298 | 10 |
| 7/28/2012 12:13:31 PM | 0.29 | 220 | 299 | 10 |
| 7/28/2012 12:14:31 PM | 0.29 | 220 | 297 | 10 |
| 7/28/2012 12:15:31 PM | 0.29 | 220 | 297 | 10 |
| 7/28/2012 12:16:31 PM | 0.29 | 220 | 296 | 10 |
| 7/28/2012 12:17:31 PM | 0.29 | 220 | 296 | 10 |
| 7/28/2012 12:18:31 PM | 0.29 | 220 | 297 | 10 |
| 7/28/2012 12:19:31 PM | 0.29 | 220 | 297 | 10 |
| 7/28/2012 12:20:31 PM | 0.29 | 220 | 297 | 10 |
| 7/28/2012 12:21:31 PM | 0.29 | 219 | 296 | 10 |
| 7/28/2012 12:22:31 PM | 0.29 | 220 | 295 | 10 |
| 7/28/2012 12:23:31 PM | 0.29 | 220 | 296 | 10 |
| 7/28/2012 12:24:31 PM | 0.29 | 221 | 298 | 10 |
| 7/28/2012 12:25:31 PM | 0.29 | 220 | 298 | 10 |
| 7/28/2012 12:26:31 PM | 0.28 | 220 | 295 | 10 |
| 7/28/2012 12:27:31 PM | 0.29 | 220 | 294 | 10 |
| 7/28/2012 12:28:31 PM | 0.29 | 220 | 297 | 10 |
| 7/28/2012 12:29:31 PM | 0.28 | 220 | 296 | 10 |
| 7/28/2012 12:30:31 PM | 0.28 | 221 | 297 | 10 |
| 7/28/2012 12:31:31 PM | 0.29 | 221 | 298 | 10 |
| 7/28/2012 12:32:31 PM | 0.29 | 222 | 299 | 10 |
| 7/28/2012 12:33:31 PM | 0.29 | 222 | 299 | 10 |
| 7/28/2012 12:34:31 PM | 0.28 | 223 | 301 | 10 |
| 7/28/2012 12:35:31 PM | 0.28 | 223 | 301 | 10 |
| 7/28/2012 12:36:31 PM | 0.28 | 223 | 301 | 10 |
| 7/28/2012 12:37:31 PM | 0.28 | 224 | 302 | 9 |
| 7/28/2012 12:38:31 PM | 0.28 | 224 | 303 | 9 |
| 7/28/2012 12:39:31 PM | 0.28 | 223 | 302 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 12:40:31 PM | 0.28 | 223 | 303 | 10 |
| 7/28/2012 12:41:31 PM | 0.29 | 222 | 301 | 10 |
| 7/28/2012 12:42:31 PM | 0.29 | 222 | 301 | 10 |
| 7/28/2012 12:43:31 PM | 0.29 | 222 | 301 | 10 |
| 7/28/2012 12:44:31 PM | 0.28 | 223 | 301 | 10 |
| 7/28/2012 12:45:31 PM | 0.29 | 224 | 302 | 10 |
| 7/28/2012 12:46:31 PM | 0.29 | 223 | 303 | 10 |
| 7/28/2012 12:47:31 PM | 0.28 | 223 | 301 | 10 |
| 7/28/2012 12:48:31 PM | 0.29 | 222 | 302 | 10 |
| 7/28/2012 12:49:31 PM | 0.28 | 222 | 302 | 10 |
| 7/28/2012 12:50:31 PM | 0.28 | 222 | 301 | 10 |
| 7/28/2012 12:51:31 PM | 0.28 | 223 | 302 | 10 |
| 7/28/2012 12:52:31 PM | 0.28 | 224 | 303 | 10 |
| 7/28/2012 12:53:31 PM | 0.28 | 223 | 303 | 10 |
| 7/28/2012 12:54:31 PM | 0.28 | 223 | 303 | 10 |
| 7/28/2012 12:55:31 PM | 0.29 | 224 | 303 | 10 |
| 7/28/2012 12:56:31 PM | 0.28 | 224 | 303 | 10 |
| 7/28/2012 12:57:31 PM | 0.28 | 223 | 303 | 10 |
| 7/28/2012 12:58:31 PM | 0.28 | 223 | 305 | 9 |
| 7/28/2012 12:59:31 PM | 0.29 | 221 | 302 | 9 |
| 7/28/2012 1:00:31 PM | 0.29 | 219 | 297 | 10 |
| 7/28/2012 1:01:31 PM | 0.29 | 219 | 295 | 10 |
| 7/28/2012 1:02:31 PM | 0.29 | 219 | 297 | 10 |
| 7/28/2012 1:03:31 PM | 0.29 | 218 | 297 | 10 |
| 7/28/2012 1:04:31 PM | 0.29 | 218 | 295 | 10 |
| 7/28/2012 1:05:31 PM | 0.29 | 219 | 296 | 10 |
| 7/28/2012 1:06:31 PM | 0.29 | 219 | 296 | 10 |
| 7/28/2012 1:07:31 PM | 0.29 | 219 | 297 | 10 |
| 7/28/2012 1:08:31 PM | 0.29 | 219 | 298 | 10 |
| 7/28/2012 1:09:31 PM | 0.28 | 219 | 298 | 10 |
| 7/28/2012 1:10:31 PM | 0.29 | 221 | 301 | 10 |
| 7/28/2012 1:11:31 PM | 0.28 | 222 | 302 | 10 |
| 7/28/2012 1:12:31 PM | 0.29 | 223 | 302 | 10 |
| 7/28/2012 1:13:31 PM | 0.29 | 223 | 303 | 10 |
| 7/28/2012 1:14:31 PM | 0.29 | 223 | 303 | 10 |
| 7/28/2012 1:15:31 PM | 0.29 | 223 | 304 | 10 |
| 7/28/2012 1:16:31 PM | 0.30 | 223 | 304 | 10 |
| 7/28/2012 1:17:31 PM | 0.29 | 221 | 301 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 1:18:31 PM | 0.29 | 220 | 299 | 10 |
| 7/28/2012 1:19:31 PM | 0.29 | 220 | 300 | 10 |
| 7/28/2012 1:20:31 PM | 0.29 | 220 | 297 | 10 |
| 7/28/2012 1:21:31 PM | 0.28 | 219 | 296 | 10 |
| 7/28/2012 1:22:31 PM | 0.29 | 219 | 296 | 10 |
| 7/28/2012 1:23:31 PM | 0.29 | 220 | 296 | 10 |
| 7/28/2012 1:24:31 PM | 0.29 | 220 | 296 | 10 |
| 7/28/2012 1:25:31 PM | 0.29 | 218 | 295 | 10 |
| 7/28/2012 1:26:31 PM | 0.29 | 218 | 291 | 10 |
| 7/28/2012 1:27:31 PM | 0.30 | 217 | 289 | 10 |
| 7/28/2012 1:28:31 PM | 0.29 | 217 | 290 | 10 |
| 7/28/2012 1:29:31 PM | 0.29 | 217 | 289 | 10 |
| 7/28/2012 1:30:31 PM | 0.28 | 217 | 288 | 10 |
| 7/28/2012 1:31:31 PM | 0.28 | 218 | 286 | 10 |
| 7/28/2012 1:32:31 PM | 0.29 | 220 | 290 | 10 |
| 7/28/2012 1:33:31 PM | 0.28 | 220 | 292 | 10 |
| 7/28/2012 1:34:31 PM | 0.28 | 220 | 292 | 10 |
| 7/28/2012 1:35:31 PM | 0.29 | 221 | 292 | 10 |
| 7/28/2012 1:36:31 PM | 0.29 | 221 | 292 | 10 |
| 7/28/2012 1:37:31 PM | 0.29 | 220 | 292 | 9 |
| 7/28/2012 1:38:31 PM | 0.29 | 219 | 290 | 9 |
| 7/28/2012 1:39:31 PM | 0.29 | 219 | 293 | 10 |
| 7/28/2012 1:40:31 PM | 0.29 | 218 | 292 | 10 |
| 7/28/2012 1:41:31 PM | 0.28 | 219 | 292 | 10 |
| 7/28/2012 1:42:31 PM | 0.29 | 220 | 292 | 10 |
| 7/28/2012 1:43:31 PM | 0.28 | 221 | 295 | 10 |
| 7/28/2012 1:44:31 PM | 0.29 | 222 | 298 | 10 |
| 7/28/2012 1:45:31 PM | 0.29 | 222 | 296 | 10 |
| 7/28/2012 1:46:31 PM | 0.29 | 222 | 296 | 10 |
| 7/28/2012 1:47:31 PM | 0.29 | 221 | 296 | 10 |
| 7/28/2012 1:48:31 PM | 0.29 | 222 | 296 | 10 |
| 7/28/2012 1:49:31 PM | 0.29 | 221 | 297 | 9 |
| 7/28/2012 1:50:31 PM | 0.29 | 222 | 295 | 9 |
| 7/28/2012 1:51:31 PM | 0.29 | 224 | 296 | 10 |
| 7/28/2012 1:52:31 PM | 0.29 | 224 | 297 | 10 |
| 7/28/2012 1:53:31 PM | 0.29 | 223 | 297 | 10 |
| 7/28/2012 1:54:31 PM | 0.28 | 224 | 297 | 10 |
| 7/28/2012 1:55:31 PM | 0.28 | 225 | 299 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 1:56:31 PM | 0.28 | 225 | 298 | 10 |
| 7/28/2012 1:57:31 PM | 0.28 | 224 | 296 | 10 |
| 7/28/2012 1:58:31 PM | 0.28 | 223 | 294 | 10 |
| 7/28/2012 1:59:31 PM | 0.28 | 223 | 296 | 10 |
| 7/28/2012 2:00:31 PM | 0.28 | 224 | 296 | 10 |
| 7/28/2012 2:01:31 PM | 0.29 | 223 | 297 | 9 |
| 7/28/2012 2:02:31 PM | 0.29 | 222 | 294 | 9 |
| 7/28/2012 2:03:31 PM | 0.29 | 222 | 294 | 10 |
| 7/28/2012 2:04:31 PM | 0.29 | 221 | 294 | 10 |
| 7/28/2012 2:05:31 PM | 0.28 | 221 | 295 | 10 |
| 7/28/2012 2:06:31 PM | 0.28 | 221 | 295 | 10 |
| 7/28/2012 2:07:31 PM | 0.28 | 221 | 297 | 9 |
| 7/28/2012 2:08:31 PM | 0.29 | 221 | 296 | 9 |
| 7/28/2012 2:09:31 PM | 0.29 | 221 | 294 | 10 |
| 7/28/2012 2:10:31 PM | 0.29 | 221 | 297 | 10 |
| 7/28/2012 2:11:31 PM | 0.29 | 220 | 294 | 10 |
| 7/28/2012 2:12:31 PM | 0.29 | 220 | 294 | 10 |
| 7/28/2012 2:13:31 PM | 0.29 | 220 | 293 | 10 |
| 7/28/2012 2:14:31 PM | 0.29 | 220 | 293 | 10 |
| 7/28/2012 2:15:31 PM | 0.29 | 221 | 294 | 10 |
| 7/28/2012 2:16:31 PM | 0.28 | 222 | 296 | 10 |
| 7/28/2012 2:17:31 PM | 0.28 | 222 | 297 | 10 |
| 7/28/2012 2:18:31 PM | 0.28 | 222 | 296 | 10 |
| 7/28/2012 2:19:31 PM | 0.28 | 223 | 297 | 10 |
| 7/28/2012 2:20:31 PM | 0.28 | 224 | 297 | 10 |
| 7/28/2012 2:21:31 PM | 0.28 | 223 | 297 | 10 |
| 7/28/2012 2:22:31 PM | 0.28 | 224 | 299 | 10 |
| 7/28/2012 2:23:31 PM | 0.28 | 223 | 301 | 10 |
| 7/28/2012 2:24:31 PM | 0.29 | 222 | 298 | 10 |
| 7/28/2012 2:25:31 PM | 0.28 | 221 | 297 | 10 |
| 7/28/2012 2:26:31 PM | 0.28 | 220 | 295 | 10 |
| 7/28/2012 2:27:31 PM | 0.28 | 219 | 294 | 10 |
| 7/28/2012 2:28:31 PM | 0.28 | 219 | 293 | 9 |
| 7/28/2012 2:29:31 PM | 0.29 | 220 | 294 | 9 |
| 7/28/2012 2:30:31 PM | 0.29 | 219 | 292 | 10 |
| 7/28/2012 2:31:31 PM | 0.28 | 219 | 292 | 10 |
| 7/28/2012 2:32:31 PM | 0.28 | 219 | 292 | 10 |
| 7/28/2012 2:33:31 PM | 0.28 | 219 | 291 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 2:34:31 PM | 0.28 | 219 | 293 | 10 |
| 7/28/2012 2:35:31 PM | 0.28 | 218 | 294 | 10 |
| 7/28/2012 2:36:31 PM | 0.29 | 219 | 292 | 10 |
| 7/28/2012 2:37:31 PM | 0.29 | 219 | 294 | 10 |
| 7/28/2012 2:38:31 PM | 0.28 | 218 | 294 | 10 |
| 7/28/2012 2:39:31 PM | 0.28 | 218 | 294 | 10 |
| 7/28/2012 2:40:31 PM | 0.29 | 218 | 292 | 10 |
| 7/28/2012 2:41:31 PM | 0.28 | 219 | 292 | 10 |
| 7/28/2012 2:42:31 PM | 0.28 | 220 | 293 | 10 |
| 7/28/2012 2:43:31 PM | 0.29 | 220 | 294 | 9 |
| 7/28/2012 2:44:31 PM | 0.29 | 220 | 294 | 9 |
| 7/28/2012 2:45:31 PM | 0.28 | 220 | 297 | 10 |
| 7/28/2012 2:46:31 PM | 0.28 | 221 | 299 | 10 |
| 7/28/2012 2:47:31 PM | 0.28 | 222 | 300 | 10 |
| 7/28/2012 2:48:31 PM | 0.28 | 222 | 302 | 10 |
| 7/28/2012 2:49:31 PM | 0.28 | 220 | 301 | 10 |
| 7/28/2012 2:50:31 PM | 0.28 | 220 | 300 | 10 |
| 7/28/2012 2:51:31 PM | 0.29 | 221 | 299 | 10 |
| 7/28/2012 2:52:31 PM | 0.28 | 220 | 300 | 10 |
| 7/28/2012 2:53:31 PM | 0.29 | 219 | 299 | 10 |
| 7/28/2012 2:54:31 PM | 0.28 | 218 | 297 | 10 |
| 7/28/2012 2:55:31 PM | 0.29 | 218 | 296 | 10 |
| 7/28/2012 2:56:31 PM | 0.29 | 218 | 296 | 10 |
| 7/28/2012 2:57:31 PM | 0.28 | 219 | 297 | 10 |
| 7/28/2012 2:58:31 PM | 0.28 | 220 | 299 | 9 |
| 7/28/2012 2:59:31 PM | 0.29 | 220 | 299 | 9 |
| 7/28/2012 3:00:31 PM | 0.29 | 221 | 298 | 10 |
| 7/28/2012 3:01:31 PM | 0.29 | 220 | 301 | 10 |
| 7/28/2012 3:02:31 PM | 0.28 | 221 | 301 | 10 |
| 7/28/2012 3:03:31 PM | 0.28 | 221 | 303 | 10 |
| 7/28/2012 3:04:31 PM | 0.28 | 220 | 302 | 10 |
| 7/28/2012 3:05:31 PM | 0.28 | 221 | 302 | 10 |
| 7/28/2012 3:06:31 PM | 0.28 | 221 | 300 | 10 |
| 7/28/2012 3:07:31 PM | 0.28 | 221 | 301 | 10 |
| 7/28/2012 3:08:31 PM | 0.28 | 222 | 302 | 9 |
| 7/28/2012 3:09:31 PM | 0.28 | 222 | 302 | 10 |
| 7/28/2012 3:10:31 PM | 0.28 | 221 | 303 | 10 |
| 7/28/2012 3:11:31 PM | 0.29 | 221 | 302 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 3:12:31 PM | 0.29 | 221 | 302 | 10 |
| 7/28/2012 3:13:31 PM | 0.29 | 220 | 301 | 9 |
| 7/28/2012 3:14:31 PM | 0.29 | 221 | 302 | 9 |
| 7/28/2012 3:15:31 PM | 0.29 | 221 | 304 | 9 |
| 7/28/2012 3:16:31 PM | 0.29 | 221 | 305 | 9 |
| 7/28/2012 3:17:31 PM | 0.28 | 222 | 305 | 9 |
| 7/28/2012 3:18:31 PM | 0.28 | 222 | 305 | 10 |
| 7/28/2012 3:19:31 PM | 0.28 | 222 | 304 | 10 |
| 7/28/2012 3:20:31 PM | 0.28 | 222 | 303 | 10 |
| 7/28/2012 3:21:31 PM | 0.28 | 222 | 306 | 10 |
| 7/28/2012 3:22:31 PM | 0.28 | 221 | 307 | 10 |
| 7/28/2012 3:23:31 PM | 0.28 | 221 | 306 | 10 |
| 7/28/2012 3:24:31 PM | 0.28 | 221 | 307 | 10 |
| 7/28/2012 3:25:31 PM | 0.29 | 220 | 305 | 10 |
| 7/28/2012 3:26:31 PM | 0.29 | 220 | 303 | 10 |
| 7/28/2012 3:27:31 PM | 0.28 | 221 | 303 | 10 |
| 7/28/2012 3:28:31 PM | 0.28 | 222 | 305 | 9 |
| 7/28/2012 3:29:31 PM | 0.28 | 222 | 304 | 9 |
| 7/28/2012 3:30:31 PM | 0.28 | 222 | 303 | 10 |
| 7/28/2012 3:31:31 PM | 0.28 | 222 | 306 | 10 |
| 7/28/2012 3:32:31 PM | 0.28 | 221 | 306 | 10 |
| 7/28/2012 3:33:31 PM | 0.28 | 220 | 304 | 10 |
| 7/28/2012 3:34:31 PM | 0.28 | 220 | 303 | 10 |
| 7/28/2012 3:35:31 PM | 0.28 | 220 | 302 | 10 |
| 7/28/2012 3:36:31 PM | 0.28 | 220 | 302 | 10 |
| 7/28/2012 3:37:31 PM | 0.28 | 220 | 304 | 10 |
| 7/28/2012 3:38:31 PM | 0.28 | 220 | 303 | 10 |
| 7/28/2012 3:39:31 PM | 0.28 | 221 | 304 | 10 |
| 7/28/2012 3:40:31 PM | 0.28 | 220 | 303 | 10 |
| 7/28/2012 3:41:31 PM | 0.28 | 220 | 302 | 10 |
| 7/28/2012 3:42:31 PM | 0.28 | 219 | 302 | 10 |
| 7/28/2012 3:43:31 PM | 0.29 | 220 | 302 | 10 |
| 7/28/2012 3:44:31 PM | 0.29 | 219 | 302 | 10 |
| 7/28/2012 3:45:31 PM | 0.28 | 219 | 302 | 10 |
| 7/28/2012 3:46:31 PM | 0.29 | 219 | 302 | 10 |
| 7/28/2012 3:47:31 PM | 0.28 | 219 | 302 | 10 |
| 7/28/2012 3:48:31 PM | 0.28 | 219 | 302 | 10 |
| 7/28/2012 3:49:31 PM | 0.28 | 219 | 302 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 3:50:31 PM | 0.29 | 218 | 302 | 10 |
| 7/28/2012 3:51:31 PM | 0.29 | 217 | 301 | 10 |
| 7/28/2012 3:52:31 PM | 0.29 | 216 | 301 | 10 |
| 7/28/2012 3:53:31 PM | 0.28 | 217 | 301 | 10 |
| 7/28/2012 3:54:31 PM | 0.28 | 217 | 301 | 10 |
| 7/28/2012 3:55:31 PM | 0.28 | 218 | 300 | 10 |
| 7/28/2012 3:56:31 PM | 0.29 | 219 | 302 | 10 |
| 7/28/2012 3:57:31 PM | 0.28 | 219 | 302 | 10 |
| 7/28/2012 3:58:31 PM | 0.28 | 219 | 302 | 10 |
| 7/28/2012 3:59:31 PM | 0.29 | 219 | 303 | 10 |
| 7/28/2012 4:00:31 PM | 0.28 | 219 | 302 | 10 |
| 7/28/2012 4:01:31 PM | 0.30 | 219 | 301 | 10 |
| 7/28/2012 4:02:31 PM | 0.29 | 220 | 303 | 10 |
| 7/28/2012 4:03:31 PM | 0.29 | 221 | 304 | 10 |
| 7/28/2012 4:04:31 PM | 0.30 | 220 | 305 | 10 |
| 7/28/2012 4:05:31 PM | 0.29 | 220 | 304 | 10 |
| 7/28/2012 4:06:31 PM | 0.29 | 220 | 305 | 10 |
| 7/28/2012 4:07:31 PM | 0.30 | 220 | 303 | 10 |
| 7/28/2012 4:08:31 PM | 0.29 | 220 | 303 | 10 |
| 7/28/2012 4:09:31 PM | 0.29 | 219 | 303 | 11 |
| 7/28/2012 4:10:31 PM | 0.29 | 219 | 300 | 11 |
| 7/28/2012 4:11:31 PM | 0.29 | 218 | 300 | 11 |
| 7/28/2012 4:12:31 PM | 0.29 | 219 | 300 | 10 |
| 7/28/2012 4:13:31 PM | 0.29 | 218 | 299 | 10 |
| 7/28/2012 4:14:31 PM | 0.29 | 219 | 299 | 10 |
| 7/28/2012 4:15:31 PM | 0.28 | 220 | 299 | 10 |
| 7/28/2012 4:16:31 PM | 0.28 | 220 | 300 | 10 |
| 7/28/2012 4:17:31 PM | 0.29 | 221 | 301 | 10 |
| 7/28/2012 4:18:31 PM | 0.28 | 221 | 303 | 10 |
| 7/28/2012 4:19:31 PM | 0.29 | 222 | 302 | 10 |
| 7/28/2012 4:20:31 PM | 0.29 | 222 | 303 | 10 |
| 7/28/2012 4:21:31 PM | 0.29 | 221 | 303 | 10 |
| 7/28/2012 4:22:31 PM | 0.29 | 219 | 301 | 10 |
| 7/28/2012 4:23:31 PM | 0.29 | 217 | 300 | 10 |
| 7/28/2012 4:24:31 PM | 0.29 | 217 | 297 | 10 |
| 7/28/2012 4:25:31 PM | 0.29 | 217 | 296 | 10 |
| 7/28/2012 4:26:31 PM | 0.29 | 216 | 294 | 10 |
| 7/28/2012 4:27:31 PM | 0.28 | 215 | 292 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 4:28:31 PM | 0.29 | 215 | 293 | 10 |
| 7/28/2012 4:29:31 PM | 0.29 | 216 | 292 | 10 |
| 7/28/2012 4:30:31 PM | 0.29 | 216 | 292 | 10 |
| 7/28/2012 4:31:31 PM | 0.29 | 217 | 293 | 10 |
| 7/28/2012 4:32:31 PM | 0.29 | 218 | 296 | 10 |
| 7/28/2012 4:33:31 PM | 0.28 | 219 | 297 | 10 |
| 7/28/2012 4:34:31 PM | 0.28 | 219 | 296 | 10 |
| 7/28/2012 4:35:31 PM | 0.29 | 218 | 297 | 10 |
| 7/28/2012 4:36:31 PM | 0.29 | 218 | 295 | 10 |
| 7/28/2012 4:37:31 PM | 0.29 | 217 | 294 | 10 |
| 7/28/2012 4:38:31 PM | 0.29 | 217 | 293 | 10 |
| 7/28/2012 4:39:31 PM | 0.29 | 217 | 292 | 10 |
| 7/28/2012 4:40:31 PM | 0.28 | 217 | 295 | 10 |
| 7/28/2012 4:41:31 PM | 0.28 | 216 | 293 | 10 |
| 7/28/2012 4:42:31 PM | 0.29 | 216 | 291 | 10 |
| 7/28/2012 4:43:31 PM | 0.28 | 216 | 291 | 10 |
| 7/28/2012 4:44:31 PM | 0.29 | 216 | 292 | 10 |
| 7/28/2012 4:45:31 PM | 0.28 | 216 | 292 | 10 |
| 7/28/2012 4:46:31 PM | 0.28 | 217 | 292 | 10 |
| 7/28/2012 4:47:31 PM | 0.29 | 217 | 292 | 10 |
| 7/28/2012 4:48:31 PM | 0.28 | 218 | 293 | 10 |
| 7/28/2012 4:49:31 PM | 0.29 | 218 | 292 | 10 |
| 7/28/2012 4:50:31 PM | 0.28 | 218 | 294 | 10 |
| 7/28/2012 4:51:31 PM | 0.28 | 219 | 294 | 10 |
| 7/28/2012 4:52:31 PM | 0.29 | 219 | 293 | 10 |
| 7/28/2012 4:53:31 PM | 0.28 | 219 | 294 | 10 |
| 7/28/2012 4:54:31 PM | 0.28 | 218 | 292 | 10 |
| 7/28/2012 4:55:31 PM | 0.29 | 218 | 292 | 10 |
| 7/28/2012 4:56:31 PM | 0.29 | 217 | 292 | 10 |
| 7/28/2012 4:57:31 PM | 0.28 | 216 | 292 | 10 |
| 7/28/2012 4:58:31 PM | 0.28 | 216 | 293 | 10 |
| 7/28/2012 4:59:31 PM | 0.29 | 217 | 292 | 10 |
| 7/28/2012 5:00:31 PM | 0.29 | 217 | 293 | 10 |
| 7/28/2012 5:01:31 PM | 0.29 | 217 | 292 | 10 |
| 7/28/2012 5:02:31 PM | 0.29 | 217 | 294 | 10 |
| 7/28/2012 5:03:31 PM | 0.28 | 218 | 293 | 11 |
| 7/28/2012 5:04:31 PM | 0.28 | 218 | 294 | 11 |
| 7/28/2012 5:05:31 PM | 0.28 | 219 | 296 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 5:06:31 PM | 0.28 | 219 | 297 | 11 |
| 7/28/2012 5:07:31 PM | 0.28 | 220 | 296 | 10 |
| 7/28/2012 5:08:31 PM | 0.28 | 221 | 299 | 10 |
| 7/28/2012 5:09:31 PM | 0.28 | 222 | 301 | 10 |
| 7/28/2012 5:10:31 PM | 0.28 | 223 | 304 | 10 |
| 7/28/2012 5:11:31 PM | 0.28 | 223 | 303 | 10 |
| 7/28/2012 5:12:31 PM | 0.28 | 222 | 305 | 10 |
| 7/28/2012 5:13:31 PM | 0.28 | 222 | 307 | 10 |
| 7/28/2012 5:14:31 PM | 0.29 | 221 | 305 | 10 |
| 7/28/2012 5:15:31 PM | 0.28 | 221 | 303 | 10 |
| 7/28/2012 5:16:31 PM | 0.29 | 221 | 302 | 10 |
| 7/28/2012 5:17:31 PM | 0.28 | 221 | 303 | 10 |
| 7/28/2012 5:18:31 PM | 0.28 | 220 | 301 | 10 |
| 7/28/2012 5:19:31 PM | 0.29 | 219 | 301 | 10 |
| 7/28/2012 5:20:31 PM | 0.29 | 218 | 300 | 10 |
| 7/28/2012 5:21:31 PM | 0.29 | 217 | 299 | 10 |
| 7/28/2012 5:22:31 PM | 0.28 | 218 | 299 | 10 |
| 7/28/2012 5:23:31 PM | 0.28 | 218 | 302 | 10 |
| 7/28/2012 5:24:31 PM | 0.28 | 218 | 299 | 10 |
| 7/28/2012 5:25:31 PM | 0.29 | 219 | 298 | 10 |
| 7/28/2012 5:26:31 PM | 0.29 | 219 | 301 | 10 |
| 7/28/2012 5:27:31 PM | 0.29 | 217 | 299 | 11 |
| 7/28/2012 5:28:31 PM | 0.29 | 216 | 298 | 11 |
| 7/28/2012 5:29:31 PM | 0.29 | 216 | 297 | 11 |
| 7/28/2012 5:30:31 PM | 0.29 | 216 | 297 | 11 |
| 7/28/2012 5:31:31 PM | 0.29 | 216 | 296 | 10 |
| 7/28/2012 5:32:31 PM | 0.29 | 217 | 296 | 10 |
| 7/28/2012 5:33:31 PM | 0.29 | 218 | 297 | 10 |
| 7/28/2012 5:34:31 PM | 0.29 | 218 | 297 | 10 |
| 7/28/2012 5:35:31 PM | 0.29 | 218 | 296 | 10 |
| 7/28/2012 5:36:31 PM | 0.28 | 217 | 296 | 10 |
| 7/28/2012 5:37:31 PM | 0.28 | 218 | 295 | 10 |
| 7/28/2012 5:38:31 PM | 0.29 | 218 | 296 | 10 |
| 7/28/2012 5:39:31 PM | 0.29 | 218 | 296 | 11 |
| 7/28/2012 5:40:31 PM | 0.29 | 218 | 296 | 11 |
| 7/28/2012 5:41:31 PM | 0.28 | 218 | 296 | 11 |
| 7/28/2012 5:42:31 PM | 0.29 | 217 | 295 | 11 |
| 7/28/2012 5:43:31 PM | 0.29 | 216 | 295 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 5:44:31 PM | 0.28 | 215 | 292 | 10 |
| 7/28/2012 5:45:31 PM | 0.29 | 215 | 293 | 10 |
| 7/28/2012 5:46:31 PM | 0.29 | 214 | 292 | 10 |
| 7/28/2012 5:47:31 PM | 0.29 | 215 | 292 | 10 |
| 7/28/2012 5:48:31 PM | 0.29 | 215 | 292 | 10 |
| 7/28/2012 5:49:31 PM | 0.29 | 216 | 292 | 10 |
| 7/28/2012 5:50:31 PM | 0.29 | 216 | 291 | 10 |
| 7/28/2012 5:51:31 PM | 0.29 | 216 | 291 | 10 |
| 7/28/2012 5:52:31 PM | 0.29 | 217 | 292 | 10 |
| 7/28/2012 5:53:31 PM | 0.29 | 217 | 292 | 10 |
| 7/28/2012 5:54:31 PM | 0.28 | 216 | 292 | 10 |
| 7/28/2012 5:55:31 PM | 0.28 | 216 | 292 | 10 |
| 7/28/2012 5:56:31 PM | 0.29 | 216 | 292 | 10 |
| 7/28/2012 5:57:31 PM | 0.29 | 217 | 292 | 10 |
| 7/28/2012 5:58:31 PM | 0.28 | 219 | 294 | 10 |
| 7/28/2012 5:59:31 PM | 0.28 | 219 | 295 | 10 |
| 7/28/2012 6:00:31 PM | 0.29 | 219 | 295 | 10 |
| 7/28/2012 6:01:31 PM | 0.29 | 219 | 295 | 10 |
| 7/28/2012 6:02:31 PM | 0.28 | 220 | 296 | 10 |
| 7/28/2012 6:03:31 PM | 0.28 | 220 | 297 | 11 |
| 7/28/2012 6:04:31 PM | 0.28 | 220 | 298 | 11 |
| 7/28/2012 6:05:31 PM | 0.29 | 221 | 298 | 11 |
| 7/28/2012 6:06:31 PM | 0.29 | 221 | 299 | 10 |
| 7/28/2012 6:07:31 PM | 0.29 | 221 | 298 | 10 |
| 7/28/2012 6:08:31 PM | 0.28 | 222 | 298 | 10 |
| 7/28/2012 6:09:31 PM | 0.28 | 223 | 300 | 10 |
| 7/28/2012 6:10:31 PM | 0.28 | 223 | 301 | 10 |
| 7/28/2012 6:11:31 PM | 0.28 | 223 | 300 | 10 |
| 7/28/2012 6:12:31 PM | 0.29 | 223 | 298 | 10 |
| 7/28/2012 6:13:31 PM | 0.29 | 223 | 297 | 10 |
| 7/28/2012 6:14:31 PM | 0.29 | 223 | 299 | 10 |
| 7/28/2012 6:15:31 PM | 0.28 | 222 | 299 | 10 |
| 7/28/2012 6:16:31 PM | 0.28 | 222 | 301 | 10 |
| 7/28/2012 6:17:31 PM | 0.28 | 222 | 300 | 10 |
| 7/28/2012 6:18:31 PM | 0.28 | 222 | 300 | 10 |
| 7/28/2012 6:19:31 PM | 0.28 | 222 | 298 | 10 |
| 7/28/2012 6:20:31 PM | 0.28 | 221 | 298 | 10 |
| 7/28/2012 6:21:31 PM | 0.28 | 222 | 298 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 6:22:31 PM | 0.28 | 221 | 297 | 10 |
| 7/28/2012 6:23:31 PM | 0.28 | 221 | 297 | 10 |
| 7/28/2012 6:24:31 PM | 0.28 | 221 | 297 | 11 |
| 7/28/2012 6:25:31 PM | 0.28 | 222 | 298 | 11 |
| 7/28/2012 6:26:31 PM | 0.29 | 222 | 298 | 11 |
| 7/28/2012 6:27:31 PM | 0.28 | 222 | 298 | 10 |
| 7/28/2012 6:28:31 PM | 0.29 | 221 | 298 | 10 |
| 7/28/2012 6:29:31 PM | 0.28 | 221 | 297 | 10 |
| 7/28/2012 6:30:31 PM | 0.28 | 221 | 297 | 10 |
| 7/28/2012 6:31:31 PM | 0.28 | 221 | 296 | 10 |
| 7/28/2012 6:32:31 PM | 0.29 | 222 | 297 | 10 |
| 7/28/2012 6:33:31 PM | 0.28 | 222 | 297 | 10 |
| 7/28/2012 6:34:31 PM | 0.28 | 222 | 297 | 10 |
| 7/28/2012 6:35:31 PM | 0.29 | 222 | 296 | 10 |
| 7/28/2012 6:36:31 PM | 0.28 | 222 | 297 | 10 |
| 7/28/2012 6:37:31 PM | 0.28 | 222 | 298 | 10 |
| 7/28/2012 6:38:31 PM | 0.28 | 221 | 296 | 10 |
| 7/28/2012 6:39:31 PM | 0.28 | 221 | 294 | 10 |
| 7/28/2012 6:40:31 PM | 0.28 | 221 | 295 | 10 |
| 7/28/2012 6:41:31 PM | 0.28 | 221 | 296 | 10 |
| 7/28/2012 6:42:31 PM | 0.28 | 221 | 295 | 10 |
| 7/28/2012 6:43:31 PM | 0.28 | 221 | 296 | 10 |
| 7/28/2012 6:44:31 PM | 0.28 | 221 | 298 | 10 |
| 7/28/2012 6:45:31 PM | 0.28 | 222 | 299 | 10 |
| 7/28/2012 6:46:31 PM | 0.28 | 222 | 300 | 10 |
| 7/28/2012 6:47:31 PM | 0.28 | 222 | 301 | 10 |
| 7/28/2012 6:48:31 PM | 0.28 | 223 | 300 | 10 |
| 7/28/2012 6:49:31 PM | 0.28 | 223 | 301 | 10 |
| 7/28/2012 6:50:31 PM | 0.28 | 222 | 302 | 10 |
| 7/28/2012 6:51:31 PM | 0.28 | 221 | 302 | 10 |
| 7/28/2012 6:52:31 PM | 0.28 | 221 | 301 | 10 |
| 7/28/2012 6:53:31 PM | 0.28 | 220 | 300 | 10 |
| 7/28/2012 6:54:31 PM | 0.28 | 219 | 299 | 10 |
| 7/28/2012 6:55:31 PM | 0.28 | 219 | 298 | 10 |
| 7/28/2012 6:56:31 PM | 0.28 | 218 | 298 | 10 |
| 7/28/2012 6:57:31 PM | 0.28 | 218 | 297 | 10 |
| 7/28/2012 6:58:31 PM | 0.28 | 219 | 298 | 10 |
| 7/28/2012 6:59:31 PM | 0.28 | 219 | 298 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 7:00:31 PM | 0.28 | 219 | 298 | 10 |
| 7/28/2012 7:01:31 PM | 0.28 | 220 | 297 | 10 |
| 7/28/2012 7:02:31 PM | 0.28 | 220 | 297 | 10 |
| 7/28/2012 7:03:31 PM | 0.28 | 221 | 298 | 10 |
| 7/28/2012 7:04:31 PM | 0.28 | 221 | 299 | 10 |
| 7/28/2012 7:05:31 PM | 0.28 | 222 | 300 | 10 |
| 7/28/2012 7:06:31 PM | 0.28 | 222 | 301 | 10 |
| 7/28/2012 7:07:31 PM | 0.28 | 222 | 302 | 10 |
| 7/28/2012 7:08:31 PM | 0.28 | 223 | 302 | 10 |
| 7/28/2012 7:09:31 PM | 0.28 | 223 | 301 | 10 |
| 7/28/2012 7:10:31 PM | 0.28 | 223 | 304 | 10 |
| 7/28/2012 7:11:31 PM | 0.28 | 223 | 303 | 10 |
| 7/28/2012 7:12:31 PM | 0.28 | 223 | 302 | 10 |
| 7/28/2012 7:13:31 PM | 0.28 | 223 | 303 | 10 |
| 7/28/2012 7:14:31 PM | 0.28 | 223 | 302 | 10 |
| 7/28/2012 7:15:31 PM | 0.28 | 223 | 302 | 10 |
| 7/28/2012 7:16:31 PM | 0.28 | 223 | 302 | 10 |
| 7/28/2012 7:17:31 PM | 0.28 | 223 | 301 | 10 |
| 7/28/2012 7:18:31 PM | 0.28 | 223 | 302 | 10 |
| 7/28/2012 7:19:31 PM | 0.28 | 224 | 301 | 10 |
| 7/28/2012 7:20:31 PM | 0.28 | 223 | 302 | 10 |
| 7/28/2012 7:21:31 PM | 0.28 | 223 | 301 | 10 |
| 7/28/2012 7:22:31 PM | 0.28 | 223 | 302 | 10 |
| 7/28/2012 7:23:31 PM | 0.28 | 223 | 302 | 10 |
| 7/28/2012 7:24:31 PM | 0.28 | 222 | 302 | 10 |
| 7/28/2012 7:25:31 PM | 0.28 | 222 | 301 | 9 |
| 7/28/2012 7:26:31 PM | 0.29 | 222 | 300 | 9 |
| 7/28/2012 7:27:31 PM | 0.29 | 222 | 301 | 10 |
| 7/28/2012 7:28:31 PM | 0.28 | 222 | 300 | 10 |
| 7/28/2012 7:29:31 PM | 0.28 | 222 | 299 | 10 |
| 7/28/2012 7:30:31 PM | 0.28 | 223 | 301 | 10 |
| 7/28/2012 7:31:31 PM | 0.29 | 223 | 302 | 10 |
| 7/28/2012 7:32:31 PM | 0.28 | 222 | 300 | 10 |
| 7/28/2012 7:33:31 PM | 0.28 | 221 | 298 | 10 |
| 7/28/2012 7:34:31 PM | 0.28 | 221 | 298 | 10 |
| 7/28/2012 7:35:31 PM | 0.28 | 221 | 296 | 10 |
| 7/28/2012 7:36:31 PM | 0.28 | 220 | 295 | 10 |
| 7/28/2012 7:37:31 PM | 0.28 | 220 | 296 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 7:38:31 PM | 0.28 | 220 | 296 | 10 |
| 7/28/2012 7:39:31 PM | 0.28 | 220 | 296 | 10 |
| 7/28/2012 7:40:31 PM | 0.28 | 220 | 297 | 10 |
| 7/28/2012 7:41:31 PM | 0.28 | 220 | 295 | 10 |
| 7/28/2012 7:42:31 PM | 0.28 | 220 | 294 | 10 |
| 7/28/2012 7:43:31 PM | 0.28 | 220 | 293 | 10 |
| 7/28/2012 7:44:31 PM | 0.28 | 221 | 295 | 10 |
| 7/28/2012 7:45:31 PM | 0.28 | 221 | 296 | 10 |
| 7/28/2012 7:46:31 PM | 0.28 | 221 | 296 | 10 |
| 7/28/2012 7:47:31 PM | 0.28 | 221 | 295 | 10 |
| 7/28/2012 7:48:31 PM | 0.28 | 221 | 296 | 10 |
| 7/28/2012 7:49:31 PM | 0.28 | 220 | 294 | 10 |
| 7/28/2012 7:50:31 PM | 0.28 | 220 | 295 | 10 |
| 7/28/2012 7:51:31 PM | 0.28 | 220 | 296 | 10 |
| 7/28/2012 7:52:31 PM | 0.29 | 220 | 295 | 10 |
| 7/28/2012 7:53:31 PM | 0.29 | 219 | 293 | 10 |
| 7/28/2012 7:54:31 PM | 0.29 | 218 | 293 | 10 |
| 7/28/2012 7:55:31 PM | 0.29 | 217 | 293 | 10 |
| 7/28/2012 7:56:31 PM | 0.29 | 217 | 290 | 10 |
| 7/28/2012 7:57:31 PM | 0.29 | 218 | 289 | 10 |
| 7/28/2012 7:58:31 PM | 0.29 | 218 | 291 | 10 |
| 7/28/2012 7:59:31 PM | 0.29 | 218 | 290 | 10 |
| 7/28/2012 8:00:31 PM | 0.29 | 219 | 290 | 10 |
| 7/28/2012 8:01:31 PM | 0.29 | 218 | 289 | 9 |
| 7/28/2012 8:02:31 PM | 0.29 | 217 | 291 | 9 |
| 7/28/2012 8:03:31 PM | 0.29 | 217 | 290 | 9 |
| 7/28/2012 8:04:31 PM | 0.29 | 216 | 289 | 9 |
| 7/28/2012 8:05:31 PM | 0.29 | 215 | 288 | 9 |
| 7/28/2012 8:06:31 PM | 0.29 | 214 | 286 | 9 |
| 7/28/2012 8:07:31 PM | 0.29 | 215 | 285 | 9 |
| 7/28/2012 8:08:31 PM | 0.29 | 215 | 285 | 9 |
| 7/28/2012 8:09:31 PM | 0.29 | 214 | 286 | 10 |
| 7/28/2012 8:10:31 PM | 0.29 | 214 | 287 | 10 |
| 7/28/2012 8:11:31 PM | 0.29 | 215 | 286 | 10 |
| 7/28/2012 8:12:31 PM | 0.29 | 215 | 287 | 10 |
| 7/28/2012 8:13:31 PM | 0.29 | 215 | 286 | 10 |
| 7/28/2012 8:14:31 PM | 0.29 | 215 | 286 | 10 |
| 7/28/2012 8:15:31 PM | 0.29 | 214 | 286 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **28-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **28-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **20:30** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 7/28/2012 8:16:31 PM | 0.29 | 214 | 288 | 10 |
| 7/28/2012 8:17:31 PM | 0.29 | 214 | 287 | 10 |
| 7/28/2012 8:18:31 PM | 0.29 | 214 | 288 | 10 |
| 7/28/2012 8:19:31 PM | 0.29 | 215 | 289 | 9 |
| 7/28/2012 8:20:31 PM | 0.28 | 215 | 289 | 9 |
| 7/28/2012 8:21:31 PM | 0.29 | 216 | 290 | 10 |
| 7/28/2012 8:22:31 PM | 0.29 | 216 | 290 | 10 |
| 7/28/2012 8:23:31 PM | 0.29 | 215 | 291 | 10 |
| 7/28/2012 8:24:31 PM | 0.29 | 216 | 292 | 10 |
| 7/28/2012 8:25:31 PM | 0.29 | 216 | 291 | 10 |
| 7/28/2012 8:26:31 PM | 0.31 | 218 | 291 | 10 |
| 7/28/2012 8:27:31 PM | 0.29 | 218 | 294 | 10 |
| 7/28/2012 8:28:31 PM | 0.29 | 219 | 296 | 10 |
| 7/28/2012 8:29:31 PM | 0.29 | 219 | 309 | 10 |
| 7/28/2012 8:30:31 PM | 0.30 | 220 | 311 | 10 |
| Averages | 0.28 | 219 | 297 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **29-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **29-Jul-12** |
| | | **Start Time:** | **10:30** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/29/12 | 10:30:31 AM | 0.28 | 230 | 606 | 29 |
| 7/29/12 | 10:31:31 AM | 0.28 | 229 | 609 | 29 |
| 7/29/12 | 10:32:31 AM | 0.28 | 229 | 610 | 29 |
| 7/29/12 | 10:33:31 AM | 0.28 | 228 | 612 | 29 |
| 7/29/12 | 10:34:31 AM | 0.28 | 228 | 614 | 29 |
| 7/29/12 | 10:35:31 AM | 0.28 | 228 | 615 | 29 |
| 7/29/12 | 10:36:31 AM | 0.28 | 228 | 615 | 29 |
| 7/29/12 | 10:37:31 AM | 0.28 | 228 | 616 | 29 |
| 7/29/12 | 10:38:31 AM | 0.28 | 228 | 617 | 29 |
| 7/29/12 | 10:39:31 AM | 0.28 | 228 | 620 | 28 |
| 7/29/12 | 10:40:31 AM | 0.28 | 228 | 620 | 28 |
| 7/29/12 | 10:41:31 AM | 0.28 | 228 | 620 | 28 |
| 7/29/12 | 10:42:31 AM | 0.28 | 228 | 620 | 28 |
| 7/29/12 | 10:43:31 AM | 0.28 | 229 | 621 | 28 |
| 7/29/12 | 10:44:31 AM | 0.28 | 230 | 621 | 28 |
| 7/29/12 | 10:45:31 AM | 0.28 | 230 | 620 | 27 |
| 7/29/12 | 10:46:31 AM | 0.28 | 230 | 620 | 27 |
| 7/29/12 | 10:47:31 AM | 0.28 | 230 | 622 | 27 |
| 7/29/12 | 10:48:31 AM | 0.28 | 230 | 622 | 27 |
| 7/29/12 | 10:49:31 AM | 0.28 | 230 | 621 | 27 |
| 7/29/12 | 10:50:31 AM | 0.28 | 229 | 620 | 27 |
| 7/29/12 | 10:51:31 AM | 0.28 | 229 | 620 | 27 |
| 7/29/12 | 10:52:31 AM | 0.28 | 230 | 618 | 27 |
| 7/29/12 | 10:53:31 AM | 0.28 | 230 | 618 | 27 |
| 7/29/12 | 10:54:31 AM | 0.28 | 230 | 618 | 27 |
| 7/29/12 | 10:55:31 AM | 0.28 | 230 | 617 | 27 |
| 7/29/12 | 10:56:31 AM | 0.29 | 231 | 616 | 27 |
| 7/29/12 | 10:57:31 AM | 0.28 | 231 | 615 | 27 |
| 7/29/12 | 10:58:31 AM | 0.29 | 231 | 616 | 27 |
| 7/29/12 | 10:59:31 AM | 0.28 | 231 | 616 | 27 |
| 7/29/12 | 11:00:31 AM | 0.28 | 230 | 615 | 27 |
| 7/29/12 | 11:01:31 AM | 0.28 | 230 | 615 | 27 |
| 7/29/12 | 11:02:31 AM | 0.29 | 230 | 615 | 27 |
| 7/29/12 | 11:03:31 AM | 0.29 | 230 | 614 | 26 |
| 7/29/12 | 11:04:31 AM | 0.28 | 230 | 614 | 26 |
| 7/29/12 | 11:05:31 AM | 0.28 | 230 | 613 | 26 |
| 7/29/12 | 11:06:31 AM | 0.28 | 231 | 612 | 26 |
| 7/29/12 | 11:07:31 AM | 0.28 | 231 | 611 | 26 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **29-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **29-Jul-12** |
| | | **Start Time:** | **10:30** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/29/12 | 11:08:31 AM | 0.28 | 231 | 609 | 26 |
| 7/29/12 | 11:09:31 AM | 0.28 | 231 | 607 | 25 |
| 7/29/12 | 11:10:31 AM | 0.28 | 230 | 605 | 25 |
| 7/29/12 | 11:11:31 AM | 0.28 | 229 | 603 | 25 |
| 7/29/12 | 11:12:31 AM | 0.28 | 229 | 600 | 25 |
| 7/29/12 | 11:13:31 AM | 0.28 | 228 | 598 | 25 |
| 7/29/12 | 11:14:31 AM | 0.28 | 228 | 597 | 25 |
| 7/29/12 | 11:15:31 AM | 0.29 | 228 | 596 | 25 |
| 7/29/12 | 11:16:31 AM | 0.29 | 229 | 596 | 25 |
| 7/29/12 | 11:17:31 AM | 0.29 | 229 | 595 | 25 |
| 7/29/12 | 11:18:31 AM | 0.29 | 229 | 598 | 25 |
| 7/29/12 | 11:19:31 AM | 0.29 | 230 | 600 | 25 |
| 7/29/12 | 11:20:31 AM | 0.29 | 230 | 598 | 25 |
| 7/29/12 | 11:21:31 AM | 0.29 | 230 | 598 | 25 |
| 7/29/12 | 11:22:31 AM | 0.29 | 230 | 276 | 25 |
| 7/29/12 | 11:23:31 AM | No Data | | | |
| 7/29/12 | 11:24:31 AM | No Data | | | |
| 7/29/12 | 11:25:31 AM | No Data | | | |
| 7/29/12 | 11:26:31 AM | No Data | | | |
| 7/29/12 | 11:27:31 AM | 0.29 | 227 | 588 | 24 |
| 7/29/12 | 11:28:31 AM | 0.28 | 226 | 585 | 24 |
| 7/29/12 | 11:29:31 AM | 0.28 | 226 | 587 | 24 |
| 7/29/12 | 11:30:31 AM | 0.28 | 227 | 586 | 24 |
| 7/29/12 | 11:31:31 AM | 0.28 | 227 | 587 | 24 |
| 7/29/12 | 11:32:31 AM | 0.28 | 227 | 588 | 24 |
| 7/29/12 | 11:33:31 AM | 0.28 | 227 | 591 | 24 |
| 7/29/12 | 11:34:31 AM | 0.28 | 227 | 592 | 24 |
| 7/29/12 | 11:35:31 AM | 0.29 | 227 | 593 | 24 |
| 7/29/12 | 11:36:31 AM | 0.28 | 226 | 593 | 24 |
| 7/29/12 | 11:37:31 AM | 0.28 | 225 | 593 | 24 |
| 7/29/12 | 11:38:31 AM | 0.29 | 225 | 593 | 24 |
| 7/29/12 | 11:39:31 AM | 0.29 | 225 | 591 | 24 |
| 7/29/12 | 11:40:31 AM | 0.29 | 224 | 589 | 24 |
| 7/29/12 | 11:41:31 AM | 0.28 | 223 | 588 | 24 |
| 7/29/12 | 11:42:31 AM | 0.28 | 223 | 588 | 24 |
| 7/29/12 | 11:43:31 AM | 0.29 | 223 | 587 | 24 |
| 7/29/12 | 11:44:31 AM | 0.29 | 223 | 587 | 24 |
| 7/29/12 | 11:45:31 AM | 0.29 | 224 | 590 | 24 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **29-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **29-Jul-12** |
| | | **Start Time:** | **10:30** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/29/12 | 11:46:31 AM | 0.29 | 224 | 591 | 24 |
| 7/29/12 | 11:47:31 AM | 0.29 | 224 | 590 | 24 |
| 7/29/12 | 11:48:31 AM | 0.29 | 225 | 589 | 24 |
| 7/29/12 | 11:49:31 AM | 0.29 | 225 | 590 | 24 |
| 7/29/12 | 11:50:31 AM | 0.29 | 225 | 593 | 24 |
| 7/29/12 | 11:51:31 AM | 0.29 | 226 | 596 | 23 |
| 7/29/12 | 11:52:31 AM | 0.29 | 226 | 598 | 23 |
| 7/29/12 | 11:53:31 AM | 0.29 | 226 | 598 | 24 |
| 7/29/12 | 11:54:31 AM | 0.28 | 226 | 597 | 24 |
| 7/29/12 | 11:55:31 AM | 0.29 | 226 | 596 | 24 |
| 7/29/12 | 11:56:31 AM | 0.29 | 225 | 783 | 24 |
| 7/29/12 | 11:57:31 AM | 0.29 | 224 | 1022 | 24 |
| 7/29/12 | 11:58:31 AM | 0.29 | 222 | 927 | 24 |
| 7/29/12 | 11:59:31 AM | 0.29 | 221 | 990 | 21 |
| 7/29/12 | 12:00:31 PM | 0.29 | 220 | 812 | 1 |
| 7/29/12 | 12:01:31 PM | 0.29 | 221 | 495 | 1 |
| 7/29/12 | 12:02:31 PM | 0.29 | 220 | 534 | 4 |
| 7/29/12 | 12:03:31 PM | 0.29 | 220 | 550 | 25 |
| 7/29/12 | 12:04:31 PM | 0.29 | 221 | 560 | 25 |
| 7/29/12 | 12:05:31 PM | 0.30 | 221 | 569 | 25 |
| 7/29/12 | 12:06:31 PM | 0.30 | 220 | 575 | 26 |
| 7/29/12 | 12:07:31 PM | 0.30 | 220 | 578 | 26 |
| 7/29/12 | 12:08:31 PM | 0.30 | 219 | 583 | 26 |
| 7/29/12 | 12:09:31 PM | 0.30 | 218 | 585 | 26 |
| 7/29/12 | 12:10:31 PM | 0.30 | 217 | 590 | 26 |
| 7/29/12 | 12:11:31 PM | 0.30 | 218 | 593 | 27 |
| 7/29/12 | 12:12:31 PM | 0.29 | 218 | 597 | 27 |
| 7/29/12 | 12:13:31 PM | 0.29 | 218 | 602 | 27 |
| 7/29/12 | 12:14:31 PM | 0.29 | 219 | 606 | 27 |
| 7/29/12 | 12:15:31 PM | 0.29 | 219 | 610 | 28 |
| 7/29/12 | 12:16:31 PM | 0.30 | 219 | 614 | 28 |
| 7/29/12 | 12:17:31 PM | 0.30 | 218 | 618 | 28 |
| 7/29/12 | 12:18:31 PM | 0.30 | 219 | 620 | 29 |
| 7/29/12 | 12:19:31 PM | 0.29 | 218 | 623 | 29 |
| 7/29/12 | 12:20:31 PM | 0.29 | 218 | 626 | 29 |
| 7/29/12 | 12:21:31 PM | 0.29 | 218 | 628 | 30 |
| 7/29/12 | 12:22:31 PM | 0.29 | 218 | 632 | 30 |
| 7/29/12 | 12:23:31 PM | 0.30 | 217 | 634 | 30 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **29-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **29-Jul-12** |
| | | **Start Time:** | **10:30** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/29/12 | 12:24:31 PM | 0.30 | 217 | 636 | 31 |
| 7/29/12 | 12:25:31 PM | 0.30 | 216 | 637 | 31 |
| 7/29/12 | 12:26:31 PM | 0.30 | 215 | 639 | 31 |
| 7/29/12 | 12:27:31 PM | 0.29 | 215 | 641 | 32 |
| 7/29/12 | 12:28:31 PM | 0.30 | 215 | 641 | 32 |
| 7/29/12 | 12:29:31 PM | 0.30 | 215 | 644 | 32 |
| 7/29/12 | 12:30:31 PM | 0.30 | 215 | 648 | 32 |
| 7/29/12 | 12:31:31 PM | 0.30 | 214 | 650 | 32 |
| 7/29/12 | 12:32:31 PM | 0.30 | 213 | 650 | 32 |
| 7/29/12 | 12:33:31 PM | 0.30 | 213 | 653 | 33 |
| 7/29/12 | 12:34:31 PM | 0.30 | 214 | 657 | 33 |
| 7/29/12 | 12:35:31 PM | 0.30 | 213 | 658 | 33 |
| 7/29/12 | 12:36:31 PM | 0.30 | 213 | 659 | 34 |
| 7/29/12 | 12:37:31 PM | 0.29 | 213 | 662 | 34 |
| 7/29/12 | 12:38:31 PM | 0.30 | 213 | 665 | 34 |
| 7/29/12 | 12:39:31 PM | 0.30 | 213 | 667 | 35 |
| 7/29/12 | 12:40:31 PM | 0.30 | 213 | 670 | 35 |
| 7/29/12 | 12:41:31 PM | 0.30 | 213 | 673 | 35 |
| 7/29/12 | 12:42:31 PM | 0.29 | 214 | 676 | 36 |
| 7/29/12 | 12:43:31 PM | 0.30 | 214 | 679 | 36 |
| 7/29/12 | 12:44:31 PM | 0.29 | 214 | 677 | 36 |
| 7/29/12 | 12:45:31 PM | 0.30 | 216 | 681 | 36 |
| 7/29/12 | 12:46:31 PM | 0.29 | 216 | 693 | 36 |
| 7/29/12 | 12:47:31 PM | 0.29 | 216 | 701 | 36 |
| 7/29/12 | 12:48:31 PM | 0.29 | 217 | 709 | 37 |
| 7/29/12 | 12:49:31 PM | 0.29 | 216 | 718 | 37 |
| 7/29/12 | 12:50:31 PM | 0.29 | 217 | 722 | 37 |
| 7/29/12 | 12:51:31 PM | 0.29 | 217 | 727 | 38 |
| 7/29/12 | 12:52:31 PM | 0.29 | 217 | 733 | 38 |
| 7/29/12 | 12:53:31 PM | 0.29 | 217 | 736 | 38 |
| 7/29/12 | 12:54:31 PM | 0.29 | 218 | 742 | 38 |
| 7/29/12 | 12:55:31 PM | 0.29 | 219 | 747 | 38 |
| 7/29/12 | 12:56:31 PM | 0.29 | 219 | 752 | 38 |
| 7/29/12 | 12:57:31 PM | 0.29 | 218 | 754 | 39 |
| 7/29/12 | 12:58:31 PM | 0.29 | 219 | 758 | 39 |
| 7/29/12 | 12:59:31 PM | 0.29 | 218 | 763 | 39 |
| 7/29/12 | 1:00:31 PM | 0.29 | 218 | 769 | 40 |
| 7/29/12 | 1:01:31 PM | 0.29 | 219 | 768 | 40 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **29-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **29-Jul-12** |
| | | **Start Time:** | **10:30** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/29/12 | 1:02:31 PM | 0.29 | 219 | 771 | 40 |
| 7/29/12 | 1:03:31 PM | 0.29 | 219 | 774 | 41 |
| 7/29/12 | 1:04:31 PM | 0.29 | 219 | 778 | 41 |
| 7/29/12 | 1:05:31 PM | 0.29 | 220 | 782 | 41 |
| 7/29/12 | 1:06:31 PM | 0.29 | 220 | 785 | 41 |
| 7/29/12 | 1:07:31 PM | 0.29 | 221 | 788 | 41 |
| 7/29/12 | 1:08:31 PM | 0.28 | 221 | 791 | 42 |
| 7/29/12 | 1:09:31 PM | 0.29 | 220 | 792 | 42 |
| 7/29/12 | 1:10:31 PM | 0.29 | 220 | 792 | 42 |
| 7/29/12 | 1:11:31 PM | 0.29 | 220 | 795 | 42 |
| 7/29/12 | 1:12:31 PM | 0.29 | 220 | 796 | 42 |
| 7/29/12 | 1:13:31 PM | 0.29 | 220 | 798 | 42 |
| 7/29/12 | 1:14:31 PM | 0.29 | 220 | 799 | 42 |
| 7/29/12 | 1:15:31 PM | 0.29 | 220 | 799 | 43 |
| 7/29/12 | 1:16:31 PM | 0.29 | 220 | 802 | 43 |
| 7/29/12 | 1:17:31 PM | 0.29 | 220 | 804 | 43 |
| 7/29/12 | 1:18:31 PM | 0.28 | 219 | 803 | 44 |
| 7/29/12 | 1:19:31 PM | 0.28 | 220 | 803 | 44 |
| 7/29/12 | 1:20:31 PM | 0.28 | 220 | 806 | 44 |
| 7/29/12 | 1:21:31 PM | 0.29 | 220 | 803 | 44 |
| 7/29/12 | 1:22:31 PM | 0.28 | 220 | 806 | 44 |
| 7/29/12 | 1:23:31 PM | 0.28 | 220 | 806 | 44 |
| 7/29/12 | 1:24:31 PM | 0.29 | 220 | 806 | 45 |
| 7/29/12 | 1:25:31 PM | 0.28 | 219 | 807 | 45 |
| 7/29/12 | 1:26:31 PM | 0.28 | 220 | 809 | 45 |
| 7/29/12 | 1:27:31 PM | 0.28 | 219 | 811 | 46 |
| 7/29/12 | 1:28:31 PM | 0.28 | 220 | 814 | 46 |
| 7/29/12 | 1:29:31 PM | 0.28 | 220 | 815 | 46 |
| 7/29/12 | 1:30:31 PM | 0.29 | 220 | 813 | 46 |
| 7/29/12 | 1:31:31 PM | 0.29 | 220 | 815 | 46 |
| 7/29/12 | 1:32:31 PM | 0.29 | 220 | 816 | 46 |
| 7/29/12 | 1:33:31 PM | 0.29 | 220 | 818 | 47 |
| 7/29/12 | 1:34:31 PM | 0.29 | 221 | 819 | 47 |
| 7/29/12 | 1:35:31 PM | 0.28 | 221 | 821 | 47 |
| 7/29/12 | 1:36:31 PM | 0.29 | 221 | 822 | 47 |
| 7/29/12 | 1:37:31 PM | 0.28 | 221 | 823 | 47 |
| 7/29/12 | 1:38:31 PM | 0.28 | 221 | 824 | 47 |
| 7/29/12 | 1:39:31 PM | 0.28 | 222 | 826 | 47 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **29-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **29-Jul-12** |
| | | **Start Time:** | **10:30** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/29/12 | 1:40:31 PM | 0.28 | 222 | 828 | 47 |
| 7/29/12 | 1:41:31 PM | 0.28 | 222 | 830 | 48 |
| 7/29/12 | 1:42:31 PM | 0.28 | 222 | 831 | 48 |
| 7/29/12 | 1:43:31 PM | 0.28 | 223 | 831 | 48 |
| 7/29/12 | 1:44:31 PM | 0.28 | 222 | 833 | 48 |
| 7/29/12 | 1:45:31 PM | 0.28 | 223 | 833 | 49 |
| 7/29/12 | 1:46:31 PM | 0.29 | 223 | 835 | 49 |
| 7/29/12 | 1:47:31 PM | 0.28 | 222 | 835 | 49 |
| 7/29/12 | 1:48:31 PM | 0.28 | 222 | 836 | 49 |
| 7/29/12 | 1:49:31 PM | 0.28 | 222 | 834 | 49 |
| 7/29/12 | 1:50:31 PM | 0.28 | 222 | 840 | 49 |
| 7/29/12 | 1:51:31 PM | 0.28 | 222 | 849 | 50 |
| 7/29/12 | 1:52:31 PM | 0.28 | 221 | 845 | 50 |
| 7/29/12 | 1:53:31 PM | 0.28 | 222 | 840 | 50 |
| 7/29/12 | 1:54:31 PM | 0.28 | 222 | 840 | 50 |
| 7/29/12 | 1:55:31 PM | 0.28 | 221 | 836 | 50 |
| 7/29/12 | 1:56:31 PM | 0.28 | 222 | 833 | 50 |
| 7/29/12 | 1:57:31 PM | 0.29 | 221 | 829 | 51 |
| 7/29/12 | 1:58:31 PM | 0.29 | 221 | 824 | 51 |
| 7/29/12 | 1:59:31 PM | 0.28 | 221 | 824 | 51 |
| 7/29/12 | 2:00:31 PM | 0.29 | 221 | 824 | 51 |
| 7/29/12 | 2:01:31 PM | 0.28 | 221 | 822 | 51 |
| 7/29/12 | 2:02:31 PM | 0.29 | 221 | 819 | 51 |
| 7/29/12 | 2:03:31 PM | 0.29 | 221 | 818 | 52 |
| 7/29/12 | 2:04:31 PM | 0.28 | 221 | 818 | 52 |
| 7/29/12 | 2:05:31 PM | 0.29 | 221 | 819 | 52 |
| 7/29/12 | 2:06:31 PM | 0.28 | 221 | 818 | 52 |
| 7/29/12 | 2:07:31 PM | 0.29 | 221 | 815 | 52 |
| 7/29/12 | 2:08:31 PM | 0.29 | 221 | 816 | 52 |
| 7/29/12 | 2:09:31 PM | 0.28 | 221 | 816 | 53 |
| 7/29/12 | 2:10:31 PM | 0.28 | 221 | 818 | 53 |
| 7/29/12 | 2:11:31 PM | 0.28 | 221 | 818 | 53 |
| 7/29/12 | 2:12:31 PM | 0.28 | 220 | 817 | 53 |
| 7/29/12 | 2:13:31 PM | 0.29 | 220 | 817 | 53 |
| 7/29/12 | 2:14:31 PM | 0.29 | 220 | 816 | 53 |
| 7/29/12 | 2:15:31 PM | 0.29 | 219 | 815 | 54 |
| 7/29/12 | 2:16:31 PM | 0.29 | 218 | 814 | 54 |
| 7/29/12 | 2:17:31 PM | 0.29 | 218 | 812 | 54 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **29-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **29-Jul-12** |
| | | **Start Time:** | **10:30** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/29/12 | 2:18:31 PM | 0.29 | 218 | 812 | 54 |
| 7/29/12 | 2:19:31 PM | 0.29 | 218 | 812 | 54 |
| 7/29/12 | 2:20:31 PM | 0.29 | 218 | 810 | 54 |
| 7/29/12 | 2:21:31 PM | 0.29 | 218 | 810 | 54 |
| 7/29/12 | 2:22:31 PM | 0.29 | 217 | 807 | 54 |
| 7/29/12 | 2:23:31 PM | 0.29 | 217 | 806 | 54 |
| 7/29/12 | 2:24:31 PM | 0.29 | 217 | 807 | 54 |
| 7/29/12 | 2:25:31 PM | 0.29 | 217 | 807 | 54 |
| 7/29/12 | 2:26:31 PM | 0.29 | 216 | 805 | 54 |
| 7/29/12 | 2:27:31 PM | 0.29 | 216 | 805 | 55 |
| 7/29/12 | 2:28:31 PM | 0.29 | 216 | 804 | 55 |
| 7/29/12 | 2:29:31 PM | 0.29 | 216 | 806 | 55 |
| 7/29/12 | 2:30:31 PM | 0.29 | 215 | 805 | 55 |
| 7/29/12 | 2:31:31 PM | 0.29 | 215 | 803 | 55 |
| 7/29/12 | 2:32:31 PM | 0.29 | 215 | 801 | 55 |
| 7/29/12 | 2:33:31 PM | 0.29 | 216 | 800 | 55 |
| 7/29/12 | 2:34:31 PM | 0.29 | 216 | 800 | 55 |
| 7/29/12 | 2:35:31 PM | 0.28 | 216 | 800 | 55 |
| 7/29/12 | 2:36:31 PM | 0.29 | 217 | 799 | 54 |
| 7/29/12 | 2:37:31 PM | 0.29 | 218 | 800 | 54 |
| 7/29/12 | 2:38:31 PM | 0.29 | 218 | 796 | 54 |
| 7/29/12 | 2:39:31 PM | 0.29 | 217 | 797 | 54 |
| 7/29/12 | 2:40:31 PM | 0.29 | 217 | 794 | 54 |
| 7/29/12 | 2:41:31 PM | 0.29 | 217 | 792 | 54 |
| 7/29/12 | 2:42:31 PM | 0.29 | 216 | 790 | 54 |
| 7/29/12 | 2:43:31 PM | 0.29 | 216 | 789 | 54 |
| 7/29/12 | 2:44:31 PM | 0.29 | 217 | 787 | 54 |
| 7/29/12 | 2:45:31 PM | 0.29 | 216 | 784 | 53 |
| 7/29/12 | 2:46:31 PM | 0.29 | 215 | 778 | 53 |
| 7/29/12 | 2:47:31 PM | 0.29 | 215 | 771 | 53 |
| 7/29/12 | 2:48:31 PM | 0.29 | 215 | 767 | 52 |
| 7/29/12 | 2:49:31 PM | 0.30 | 214 | 764 | 52 |
| 7/29/12 | 2:50:31 PM | 0.29 | 213 | 759 | 52 |
| 7/29/12 | 2:51:31 PM | 0.30 | 212 | 754 | 52 |
| 7/29/12 | 2:52:31 PM | 0.30 | 211 | 748 | 52 |
| 7/29/12 | 2:53:31 PM | 0.30 | 212 | 747 | 52 |
| 7/29/12 | 2:54:31 PM | 0.29 | 213 | 748 | 51 |
| 7/29/12 | 2:55:31 PM | 0.29 | 213 | 744 | 51 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **29-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **29-Jul-12** |
| | | **Start Time:** | **10:30** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/29/12 | 2:56:31 PM | 0.29 | 214 | 743 | 51 |
| 7/29/12 | 2:57:31 PM | 0.29 | 214 | 742 | 50 |
| 7/29/12 | 2:58:31 PM | 0.29 | 215 | 742 | 50 |
| 7/29/12 | 2:59:31 PM | 0.29 | 215 | 738 | 50 |
| 7/29/12 | 3:00:31 PM | 0.30 | 215 | 739 | 49 |
| 7/29/12 | 3:01:31 PM | 0.29 | 215 | 735 | 49 |
| 7/29/12 | 3:02:31 PM | 0.30 | 215 | 734 | 49 |
| 7/29/12 | 3:03:31 PM | 0.29 | 213 | 730 | 49 |
| 7/29/12 | 3:04:31 PM | 0.30 | 212 | 720 | 49 |
| 7/29/12 | 3:05:31 PM | 0.30 | 212 | 722 | 49 |
| 7/29/12 | 3:06:31 PM | 0.30 | 211 | 722 | 49 |
| 7/29/12 | 3:07:31 PM | 0.29 | 211 | 716 | 49 |
| 7/29/12 | 3:08:31 PM | 0.29 | 210 | 713 | 49 |
| 7/29/12 | 3:09:31 PM | 0.30 | 209 | 712 | 48 |
| 7/29/12 | 3:10:31 PM | 0.30 | 210 | 711 | 48 |
| 7/29/12 | 3:11:31 PM | 0.30 | 210 | 709 | 48 |
| 7/29/12 | 3:12:31 PM | 0.30 | 209 | 704 | 47 |
| 7/29/12 | 3:13:31 PM | 0.30 | 209 | 704 | 47 |
| 7/29/12 | 3:14:31 PM | 0.30 | 209 | 703 | 47 |
| 7/29/12 | 3:15:31 PM | 0.30 | 209 | 701 | 47 |
| 7/29/12 | 3:16:31 PM | 0.30 | 209 | 700 | 47 |
| 7/29/12 | 3:17:31 PM | 0.30 | 208 | 696 | 47 |
| 7/29/12 | 3:18:31 PM | 0.30 | 208 | 694 | 46 |
| 7/29/12 | 3:19:31 PM | 0.30 | 208 | 691 | 46 |
| 7/29/12 | 3:20:31 PM | 0.30 | 208 | 693 | 46 |
| 7/29/12 | 3:21:31 PM | 0.30 | 209 | 694 | 45 |
| 7/29/12 | 3:22:31 PM | 0.30 | 209 | 696 | 45 |
| 7/29/12 | 3:23:31 PM | 0.29 | 210 | 692 | 45 |
| 7/29/12 | 3:24:31 PM | 0.29 | 210 | 690 | 45 |
| 7/29/12 | 3:25:31 PM | 0.29 | 211 | 690 | 45 |
| 7/29/12 | 3:26:31 PM | 0.30 | 212 | 691 | 45 |
| 7/29/12 | 3:27:31 PM | 0.30 | 211 | 689 | 45 |
| 7/29/12 | 3:28:31 PM | 0.29 | 211 | 687 | 45 |
| 7/29/12 | 3:29:31 PM | 0.30 | 211 | 684 | 44 |
| 7/29/12 | 3:30:31 PM | 0.30 | 212 | 685 | 44 |
| 7/29/12 | 3:31:31 PM | 0.30 | 212 | 684 | 44 |
| 7/29/12 | 3:32:31 PM | 0.30 | 212 | 683 | 44 |
| 7/29/12 | 3:33:31 PM | 0.30 | 211 | 679 | 43 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **29-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **29-Jul-12** |
| | | **Start Time:** | **10:30** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/29/12 | 3:34:31 PM | 0.29 | 211 | 679 | 43 |
| 7/29/12 | 3:35:31 PM | 0.29 | 213 | 679 | 43 |
| 7/29/12 | 3:36:31 PM | 0.29 | 213 | 676 | 43 |
| 7/29/12 | 3:37:31 PM | 0.30 | 213 | 674 | 43 |
| 7/29/12 | 3:38:31 PM | 0.29 | 213 | 674 | 42 |
| 7/29/12 | 3:39:31 PM | 0.29 | 212 | 671 | 42 |
| 7/29/12 | 3:40:31 PM | 0.29 | 212 | 669 | 42 |
| 7/29/12 | 3:41:31 PM | 0.29 | 213 | 668 | 42 |
| 7/29/12 | 3:42:31 PM | 0.30 | 212 | 664 | 42 |
| 7/29/12 | 3:43:31 PM | 0.29 | 212 | 663 | 42 |
| 7/29/12 | 3:44:31 PM | 0.30 | 212 | 662 | 42 |
| 7/29/12 | 3:45:31 PM | 0.29 | 213 | 660 | 41 |
| 7/29/12 | 3:46:31 PM | 0.29 | 213 | 661 | 41 |
| 7/29/12 | 3:47:31 PM | 0.30 | 213 | 661 | 41 |
| 7/29/12 | 3:48:31 PM | 0.29 | 214 | 663 | 41 |
| 7/29/12 | 3:49:31 PM | 0.29 | 214 | 662 | 41 |
| 7/29/12 | 3:50:31 PM | 0.29 | 215 | 662 | 41 |
| 7/29/12 | 3:51:31 PM | 0.29 | 216 | 661 | 40 |
| 7/29/12 | 3:52:31 PM | 0.29 | 216 | 662 | 40 |
| 7/29/12 | 3:53:31 PM | 0.29 | 216 | 662 | 40 |
| 7/29/12 | 3:54:31 PM | 0.29 | 216 | 660 | 40 |
| 7/29/12 | 3:55:31 PM | 0.29 | 216 | 660 | 40 |
| 7/29/12 | 3:56:31 PM | 0.29 | 217 | 658 | 40 |
| 7/29/12 | 3:57:31 PM | 0.29 | 217 | 658 | 39 |
| 7/29/12 | 3:58:31 PM | 0.29 | 217 | 656 | 39 |
| 7/29/12 | 3:59:31 PM | 0.29 | 217 | 658 | 39 |
| 7/29/12 | 4:00:31 PM | 0.29 | 217 | 656 | 39 |
| 7/29/12 | 4:01:31 PM | 0.29 | 217 | 654 | 39 |
| 7/29/12 | 4:02:31 PM | 0.29 | 217 | 652 | 39 |
| 7/29/12 | 4:03:31 PM | 0.29 | 218 | 652 | 39 |
| 7/29/12 | 4:04:31 PM | 0.29 | 218 | 652 | 39 |
| 7/29/12 | 4:05:31 PM | 0.29 | 220 | 651 | 39 |
| 7/29/12 | 4:06:31 PM | 0.28 | 220 | 653 | 38 |
| 7/29/12 | 4:07:31 PM | 0.29 | 220 | 654 | 38 |
| 7/29/12 | 4:08:31 PM | 0.29 | 220 | 654 | 38 |
| 7/29/12 | 4:09:31 PM | 0.28 | 221 | 652 | 38 |
| 7/29/12 | 4:10:31 PM | 0.28 | 221 | 652 | 38 |
| 7/29/12 | 4:11:31 PM | 0.28 | 221 | 655 | 38 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **29-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **29-Jul-12** |
| | | **Start Time:** | **10:30** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/29/12 | 4:12:31 PM | 0.28 | 221 | 653 | 37 |
| 7/29/12 | 4:13:31 PM | 0.28 | 222 | 651 | 37 |
| 7/29/12 | 4:14:31 PM | 0.29 | 223 | 652 | 37 |
| 7/29/12 | 4:15:31 PM | 0.29 | 223 | 651 | 37 |
| 7/29/12 | 4:16:31 PM | 0.28 | 224 | 653 | 37 |
| 7/29/12 | 4:17:31 PM | 0.28 | 224 | 653 | 37 |
| 7/29/12 | 4:18:31 PM | 0.28 | 225 | 652 | 36 |
| 7/29/12 | 4:19:31 PM | 0.28 | 226 | 653 | 36 |
| 7/29/12 | 4:20:31 PM | 0.28 | 226 | 653 | 36 |
| 7/29/12 | 4:21:31 PM | 0.28 | 227 | 653 | 36 |
| 7/29/12 | 4:22:31 PM | 0.28 | 227 | 653 | 36 |
| 7/29/12 | 4:23:31 PM | 0.28 | 226 | 653 | 36 |
| 7/29/12 | 4:24:31 PM | 0.28 | 226 | 651 | 35 |
| 7/29/12 | 4:25:31 PM | 0.28 | 227 | 651 | 35 |
| 7/29/12 | 4:26:31 PM | 0.28 | 227 | 651 | 35 |
| 7/29/12 | 4:27:31 PM | 0.28 | 227 | 650 | 35 |
| 7/29/12 | 4:28:31 PM | 0.28 | 226 | 647 | 35 |
| 7/29/12 | 4:29:31 PM | 0.28 | 226 | 646 | 35 |
| 7/29/12 | 4:30:31 PM | 0.28 | 226 | 645 | 35 |
| 7/29/12 | 4:31:31 PM | 0.28 | 227 | 644 | 35 |
| 7/29/12 | 4:32:31 PM | 0.28 | 227 | 641 | 35 |
| 7/29/12 | 4:33:31 PM | 0.28 | 227 | 640 | 34 |
| 7/29/12 | 4:34:31 PM | 0.28 | 228 | 640 | 34 |
| 7/29/12 | 4:35:31 PM | 0.28 | 228 | 640 | 34 |
| 7/29/12 | 4:36:31 PM | 0.28 | 227 | 640 | 34 |
| 7/29/12 | 4:37:31 PM | 0.28 | 228 | 637 | 34 |
| 7/29/12 | 4:38:31 PM | 0.28 | 229 | 637 | 34 |
| 7/29/12 | 4:39:31 PM | 0.28 | 229 | 638 | 34 |
| 7/29/12 | 4:40:31 PM | 0.28 | 228 | 637 | 34 |
| 7/29/12 | 4:41:31 PM | 0.28 | 228 | 633 | 33 |
| 7/29/12 | 4:42:31 PM | 0.28 | 227 | 633 | 33 |
| 7/29/12 | 4:43:31 PM | 0.28 | 227 | 629 | 33 |
| 7/29/12 | 4:44:31 PM | 0.28 | 227 | 628 | 33 |
| 7/29/12 | 4:45:31 PM | 0.28 | 226 | 627 | 33 |
| 7/29/12 | 4:46:31 PM | 0.28 | 226 | 625 | 33 |
| 7/29/12 | 4:47:31 PM | 0.28 | 226 | 623 | 33 |
| 7/29/12 | 4:48:31 PM | 0.28 | 226 | 620 | 32 |
| 7/29/12 | 4:49:31 PM | 0.28 | 226 | 620 | 32 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **29-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **29-Jul-12** |
| | | **Start Time:** | **10:30** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/29/12 | 4:50:31 PM | 0.28 | 226 | 618 | 32 |
| 7/29/12 | 4:51:31 PM | 0.28 | 227 | 619 | 32 |
| 7/29/12 | 4:52:31 PM | 0.28 | 227 | 621 | 32 |
| 7/29/12 | 4:53:31 PM | 0.28 | 227 | 622 | 32 |
| 7/29/12 | 4:54:31 PM | 0.28 | 227 | 621 | 32 |
| 7/29/12 | 4:55:31 PM | 0.28 | 227 | 619 | 32 |
| 7/29/12 | 4:56:31 PM | 0.28 | 227 | 617 | 32 |
| 7/29/12 | 4:57:31 PM | 0.28 | 227 | 619 | 32 |
| 7/29/12 | 4:58:31 PM | 0.28 | 227 | 619 | 32 |
| 7/29/12 | 4:59:31 PM | 0.28 | 227 | 617 | 32 |
| 7/29/12 | 5:00:31 PM | 0.28 | 227 | 618 | 31 |
| 7/29/12 | 5:01:31 PM | 0.28 | 227 | 613 | 31 |
| 7/29/12 | 5:02:31 PM | 0.28 | 227 | 613 | 31 |
| 7/29/12 | 5:03:31 PM | 0.28 | 227 | 612 | 31 |
| 7/29/12 | 5:04:31 PM | 0.28 | 227 | 608 | 31 |
| 7/29/12 | 5:05:31 PM | 0.29 | 226 | 609 | 31 |
| 7/29/12 | 5:06:31 PM | 0.28 | 226 | 608 | 31 |
| 7/29/12 | 5:07:31 PM | 0.29 | 225 | 603 | 31 |
| 7/29/12 | 5:08:31 PM | 0.29 | 225 | 602 | 31 |
| 7/29/12 | 5:09:31 PM | 0.29 | 225 | 601 | 30 |
| 7/29/12 | 5:10:31 PM | 0.29 | 225 | 599 | 30 |
| 7/29/12 | 5:11:31 PM | 0.29 | 224 | 597 | 30 |
| 7/29/12 | 5:12:31 PM | 0.29 | 224 | 595 | 30 |
| 7/29/12 | 5:13:31 PM | 0.29 | 224 | 593 | 30 |
| 7/29/12 | 5:14:31 PM | 0.29 | 223 | 590 | 30 |
| 7/29/12 | 5:15:31 PM | 0.29 | 223 | 591 | 30 |
| 7/29/12 | 5:16:31 PM | 0.29 | 223 | 590 | 30 |
| 7/29/12 | 5:17:31 PM | 0.29 | 223 | 588 | 30 |
| 7/29/12 | 5:18:31 PM | 0.29 | 223 | 587 | 29 |
| 7/29/12 | 5:19:31 PM | 0.29 | 222 | 587 | 29 |
| 7/29/12 | 5:20:31 PM | 0.29 | 221 | 587 | 29 |
| 7/29/12 | 5:21:31 PM | 0.29 | 222 | 586 | 29 |
| 7/29/12 | 5:22:31 PM | 0.29 | 222 | 583 | 29 |
| 7/29/12 | 5:23:31 PM | 0.29 | 222 | 584 | 29 |
| 7/29/12 | 5:24:31 PM | 0.29 | 222 | 580 | 29 |
| 7/29/12 | 5:25:31 PM | 0.29 | 222 | 579 | 29 |
| 7/29/12 | 5:26:31 PM | 0.29 | 223 | 579 | 29 |
| 7/29/12 | 5:27:31 PM | 0.29 | 223 | 578 | 29 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **29-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **29-Jul-12** |
| | | **Start Time:** | **10:30** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/29/12 | 5:28:31 PM | 0.29 | 223 | 578 | 29 |
| 7/29/12 | 5:29:31 PM | 0.29 | 223 | 579 | 29 |
| 7/29/12 | 5:30:31 PM | 0.29 | 223 | 579 | 28 |
| 7/29/12 | 5:31:31 PM | 0.29 | 221 | 575 | 28 |
| 7/29/12 | 5:32:31 PM | 0.29 | 222 | 573 | 28 |
| 7/29/12 | 5:33:31 PM | 0.29 | 222 | 573 | 28 |
| 7/29/12 | 5:34:31 PM | 0.29 | 223 | 573 | 28 |
| 7/29/12 | 5:35:31 PM | 0.29 | 223 | 574 | 28 |
| 7/29/12 | 5:36:31 PM | 0.29 | 222 | 570 | 28 |
| 7/29/12 | 5:37:31 PM | 0.29 | 222 | 569 | 28 |
| 7/29/12 | 5:38:31 PM | 0.29 | 222 | 569 | 28 |
| 7/29/12 | 5:39:31 PM | 0.29 | 223 | 570 | 28 |
| 7/29/12 | 5:40:31 PM | 0.29 | 223 | 570 | 28 |
| 7/29/12 | 5:41:31 PM | 0.29 | 224 | 570 | 27 |
| 7/29/12 | 5:42:31 PM | 0.29 | 223 | 569 | 27 |
| 7/29/12 | 5:43:31 PM | 0.29 | 223 | 567 | 27 |
| 7/29/12 | 5:44:31 PM | 0.29 | 223 | 568 | 27 |
| 7/29/12 | 5:45:31 PM | 0.28 | 224 | 568 | 27 |
| 7/29/12 | 5:46:31 PM | 0.29 | 224 | 569 | 27 |
| 7/29/12 | 5:47:31 PM | 0.29 | 225 | 569 | 27 |
| 7/29/12 | 5:48:31 PM | 0.29 | 224 | 569 | 27 |
| 7/29/12 | 5:49:31 PM | 0.29 | 224 | 567 | 27 |
| 7/29/12 | 5:50:31 PM | 0.29 | 224 | 566 | 27 |
| 7/29/12 | 5:51:31 PM | 0.29 | 225 | 563 | 26 |
| 7/29/12 | 5:52:31 PM | 0.29 | 225 | 564 | 26 |
| 7/29/12 | 5:53:31 PM | 0.29 | 224 | 563 | 26 |
| 7/29/12 | 5:54:31 PM | 0.29 | 223 | 563 | 26 |
| 7/29/12 | 5:55:31 PM | 0.29 | 224 | 561 | 26 |
| 7/29/12 | 5:56:31 PM | 0.29 | 224 | 561 | 26 |
| 7/29/12 | 5:57:31 PM | 0.29 | 223 | 562 | 26 |
| 7/29/12 | 5:58:31 PM | 0.29 | 224 | 561 | 26 |
| 7/29/12 | 5:59:31 PM | 0.29 | 224 | 561 | 26 |
| 7/29/12 | 6:00:31 PM | 0.29 | 224 | 561 | 26 |
| 7/29/12 | 6:01:31 PM | 0.29 | 224 | 561 | 26 |
| 7/29/12 | 6:02:31 PM | 0.29 | 223 | 559 | 26 |
| 7/29/12 | 6:03:31 PM | 0.29 | 224 | 559 | 26 |
| 7/29/12 | 6:04:31 PM | 0.29 | 225 | 559 | 26 |
| 7/29/12 | 6:05:31 PM | 0.29 | 225 | 560 | 26 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **29-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **29-Jul-12** |
| | | **Start Time:** | **10:30** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/29/12 | 6:06:31 PM | 0.29 | 225 | 558 | 25 |
| 7/29/12 | 6:07:31 PM | 0.29 | 224 | 556 | 25 |
| 7/29/12 | 6:08:31 PM | 0.29 | 224 | 557 | 25 |
| 7/29/12 | 6:09:31 PM | 0.29 | 225 | 559 | 25 |
| 7/29/12 | 6:10:31 PM | 0.29 | 225 | 558 | 25 |
| 7/29/12 | 6:11:31 PM | 0.29 | 225 | 560 | 25 |
| 7/29/12 | 6:12:31 PM | 0.29 | 225 | 559 | 25 |
| 7/29/12 | 6:13:31 PM | 0.29 | 225 | 558 | 25 |
| 7/29/12 | 6:14:31 PM | 0.29 | 224 | 559 | 25 |
| 7/29/12 | 6:15:31 PM | 0.29 | 224 | 557 | 25 |
| 7/29/12 | 6:16:31 PM | 0.29 | 224 | 554 | 25 |
| 7/29/12 | 6:17:31 PM | 0.29 | 223 | 554 | 25 |
| 7/29/12 | 6:18:31 PM | 0.29 | 223 | 553 | 24 |
| 7/29/12 | 6:19:31 PM | 0.29 | 224 | 552 | 24 |
| 7/29/12 | 6:20:31 PM | 0.29 | 223 | 552 | 24 |
| 7/29/12 | 6:21:31 PM | 0.29 | 224 | 550 | 24 |
| 7/29/12 | 6:22:31 PM | 0.29 | 224 | 551 | 24 |
| 7/29/12 | 6:23:31 PM | 0.29 | 225 | 551 | 24 |
| 7/29/12 | 6:24:31 PM | 0.29 | 225 | 551 | 24 |
| 7/29/12 | 6:25:31 PM | 0.29 | 225 | 551 | 24 |
| 7/29/12 | 6:26:31 PM | 0.29 | 226 | 551 | 24 |
| 7/29/12 | 6:27:31 PM | 0.29 | 226 | 552 | 24 |
| 7/29/12 | 6:28:31 PM | 0.28 | 226 | 553 | 24 |
| 7/29/12 | 6:29:31 PM | 0.28 | 225 | 551 | 24 |
| 7/29/12 | 6:30:31 PM | 0.29 | 225 | 551 | 23 |
| 7/29/12 | 6:31:31 PM | 0.29 | 224 | 552 | 23 |
| 7/29/12 | 6:32:31 PM | 0.29 | 225 | 550 | 23 |
| 7/29/12 | 6:33:31 PM | 0.28 | 225 | 548 | 23 |
| 7/29/12 | 6:34:31 PM | 0.28 | 225 | 549 | 23 |
| 7/29/12 | 6:35:31 PM | 0.28 | 225 | 549 | 23 |
| 7/29/12 | 6:36:31 PM | 0.28 | 225 | 551 | 23 |
| 7/29/12 | 6:37:31 PM | 0.28 | 225 | 550 | 23 |
| 7/29/12 | 6:38:31 PM | 0.28 | 225 | 548 | 23 |
| 7/29/12 | 6:39:31 PM | 0.28 | 225 | 550 | 23 |
| 7/29/12 | 6:40:31 PM | 0.28 | 225 | 549 | 23 |
| 7/29/12 | 6:41:31 PM | 0.28 | 224 | 546 | 23 |
| 7/29/12 | 6:42:31 PM | 0.28 | 225 | 547 | 23 |
| 7/29/12 | 6:43:31 PM | 0.28 | 225 | 546 | 23 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **29-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **29-Jul-12** |
| | | **Start Time:** | **10:30** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/29/12 | 6:44:31 PM | 0.28 | 225 | 544 | 23 |
| 7/29/12 | 6:45:31 PM | 0.28 | 226 | 546 | 22 |
| 7/29/12 | 6:46:31 PM | 0.28 | 226 | 546 | 22 |
| 7/29/12 | 6:47:31 PM | 0.28 | 226 | 546 | 22 |
| 7/29/12 | 6:48:31 PM | 0.28 | 227 | 547 | 22 |
| 7/29/12 | 6:49:31 PM | 0.28 | 227 | 550 | 22 |
| 7/29/12 | 6:50:31 PM | 0.28 | 227 | 549 | 22 |
| 7/29/12 | 6:51:31 PM | 0.28 | 228 | 547 | 22 |
| 7/29/12 | 6:52:31 PM | 0.28 | 228 | 547 | 22 |
| 7/29/12 | 6:53:31 PM | 0.28 | 228 | 549 | 22 |
| 7/29/12 | 6:54:31 PM | 0.28 | 228 | 548 | 22 |
| 7/29/12 | 6:55:31 PM | 0.28 | 228 | 546 | 22 |
| 7/29/12 | 6:56:31 PM | 0.28 | 228 | 548 | 22 |
| 7/29/12 | 6:57:31 PM | 0.28 | 228 | 546 | 22 |
| 7/29/12 | 6:58:31 PM | 0.28 | 228 | 544 | 22 |
| 7/29/12 | 6:59:31 PM | 0.28 | 229 | 545 | 22 |
| 7/29/12 | 7:00:31 PM | 0.28 | 229 | 547 | 21 |
| 7/29/12 | 7:01:31 PM | 0.28 | 230 | 549 | 21 |
| 7/29/12 | 7:02:31 PM | 0.28 | 230 | 548 | 22 |
| 7/29/12 | 7:03:31 PM | 0.28 | 230 | 549 | 22 |
| 7/29/12 | 7:04:31 PM | 0.27 | 230 | 548 | 22 |
| 7/29/12 | 7:05:31 PM | 0.28 | 231 | 551 | 22 |
| 7/29/12 | 7:06:31 PM | 0.28 | 232 | 550 | 21 |
| 7/29/12 | 7:07:31 PM | 0.27 | 232 | 549 | 21 |
| 7/29/12 | 7:08:31 PM | 0.27 | 232 | 548 | 21 |
| 7/29/12 | 7:09:31 PM | 0.27 | 233 | 550 | 21 |
| 7/29/12 | 7:10:31 PM | 0.28 | 233 | 551 | 21 |
| 7/29/12 | 7:11:31 PM | 0.27 | 234 | 552 | 21 |
| 7/29/12 | 7:12:31 PM | 0.27 | 233 | 551 | 21 |
| 7/29/12 | 7:13:31 PM | 0.28 | 233 | 552 | 21 |
| 7/29/12 | 7:14:31 PM | 0.27 | 233 | 552 | 21 |
| 7/29/12 | 7:15:31 PM | 0.27 | 233 | 550 | 21 |
| 7/29/12 | 7:16:31 PM | 0.27 | 234 | 551 | 21 |
| 7/29/12 | 7:17:31 PM | 0.28 | 234 | 550 | 21 |
| 7/29/12 | 7:18:31 PM | 0.28 | 234 | 549 | 21 |
| 7/29/12 | 7:19:31 PM | 0.28 | 234 | 549 | 21 |
| 7/29/12 | 7:20:31 PM | 0.27 | 234 | 549 | 21 |
| 7/29/12 | 7:21:31 PM | 0.27 | 235 | 549 | 20 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **29-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **29-Jul-12** |
| | | **Start Time:** | **10:30** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/29/12 | 7:22:31 PM | 0.28 | 234 | 547 | 20 |
| 7/29/12 | 7:23:31 PM | 0.27 | 234 | 547 | 20 |
| 7/29/12 | 7:24:31 PM | 0.27 | 234 | 547 | 20 |
| 7/29/12 | 7:25:31 PM | 0.28 | 234 | 546 | 20 |
| 7/29/12 | 7:26:31 PM | 0.27 | 234 | 546 | 20 |
| 7/29/12 | 7:27:31 PM | 0.27 | 234 | 545 | 20 |
| 7/29/12 | 7:28:31 PM | 0.27 | 234 | 545 | 20 |
| 7/29/12 | 7:29:31 PM | 0.27 | 235 | 544 | 20 |
| 7/29/12 | 7:30:31 PM | 0.27 | 234 | 543 | 20 |
| 7/29/12 | 7:31:31 PM | 0.27 | 234 | 543 | 20 |
| 7/29/12 | 7:32:31 PM | 0.27 | 234 | 543 | 20 |
| 7/29/12 | 7:33:31 PM | 0.28 | 234 | 542 | 20 |
| 7/29/12 | 7:34:31 PM | 0.28 | 234 | 541 | 20 |
| 7/29/12 | 7:35:31 PM | 0.28 | 234 | 541 | 20 |
| 7/29/12 | 7:36:31 PM | 0.27 | 234 | 540 | 20 |
| 7/29/12 | 7:37:31 PM | 0.27 | 233 | 539 | 20 |
| 7/29/12 | 7:38:31 PM | 0.27 | 233 | 539 | 20 |
| 7/29/12 | 7:39:31 PM | 0.27 | 233 | 539 | 19 |
| 7/29/12 | 7:40:31 PM | 0.28 | 232 | 538 | 19 |
| 7/29/12 | 7:41:31 PM | 0.28 | 232 | 537 | 19 |
| 7/29/12 | 7:42:31 PM | 0.27 | 232 | 535 | 20 |
| 7/29/12 | 7:43:31 PM | 0.28 | 231 | 534 | 20 |
| 7/29/12 | 7:44:31 PM | 0.28 | 231 | 533 | 19 |
| 7/29/12 | 7:45:31 PM | 0.28 | 231 | 533 | 19 |
| 7/29/12 | 7:46:31 PM | 0.27 | 230 | 532 | 19 |
| 7/29/12 | 7:47:31 PM | 0.28 | 230 | 530 | 19 |
| 7/29/12 | 7:48:31 PM | 0.28 | 230 | 529 | 19 |
| 7/29/12 | 7:49:31 PM | 0.27 | 231 | 530 | 19 |
| 7/29/12 | 7:50:31 PM | 0.27 | 231 | 529 | 19 |
| 7/29/12 | 7:51:31 PM | 0.27 | 231 | 530 | 19 |
| 7/29/12 | 7:52:31 PM | 0.28 | 231 | 527 | 19 |
| 7/29/12 | 7:53:31 PM | 0.28 | 231 | 526 | 19 |
| 7/29/12 | 7:54:31 PM | 0.27 | 232 | 526 | 19 |
| 7/29/12 | 7:55:31 PM | 0.28 | 232 | 526 | 19 |
| 7/29/12 | 7:56:31 PM | 0.27 | 232 | 527 | 19 |
| 7/29/12 | 7:57:31 PM | 0.27 | 232 | 528 | 19 |
| 7/29/12 | 7:58:31 PM | 0.27 | 232 | 527 | 19 |
| 7/29/12 | 7:59:31 PM | 0.28 | 232 | 527 | 19 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **29-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **29-Jul-12** |
| | | **Start Time:** | **10:30** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/29/12 | 8:00:31 PM | 0.27 | 232 | 527 | 19 |
| 7/29/12 | 8:01:31 PM | 0.27 | 232 | 526 | 19 |
| 7/29/12 | 8:02:31 PM | 0.27 | 230 | 523 | 19 |
| 7/29/12 | 8:03:31 PM | 0.27 | 230 | 521 | 19 |
| 7/29/12 | 8:04:31 PM | 0.28 | 230 | 520 | 19 |
| 7/29/12 | 8:05:31 PM | 0.28 | 229 | 520 | 18 |
| 7/29/12 | 8:06:31 PM | 0.28 | 228 | 516 | 18 |
| 7/29/12 | 8:07:31 PM | 0.28 | 228 | 516 | 18 |
| 7/29/12 | 8:08:31 PM | 0.27 | 228 | 515 | 18 |
| 7/29/12 | 8:09:31 PM | 0.28 | 229 | 515 | 18 |
| 7/29/12 | 8:10:31 PM | 0.28 | 229 | 515 | 18 |
| 7/29/12 | 8:11:31 PM | 0.27 | 230 | 516 | 18 |
| 7/29/12 | 8:12:31 PM | 0.27 | 230 | 516 | 18 |
| 7/29/12 | 8:13:31 PM | 0.28 | 230 | 514 | 18 |
| 7/29/12 | 8:14:31 PM | 0.28 | 231 | 513 | 18 |
| 7/29/12 | 8:15:31 PM | 0.27 | 232 | 517 | 18 |
| 7/29/12 | 8:16:31 PM | 0.28 | 232 | 519 | 18 |
| 7/29/12 | 8:17:31 PM | 0.28 | 232 | 518 | 18 |
| 7/29/12 | 8:18:31 PM | 0.28 | 233 | 518 | 18 |
| 7/29/12 | 8:19:31 PM | 0.27 | 232 | 518 | 18 |
| 7/29/12 | 8:20:31 PM | 0.27 | 232 | 518 | 18 |
| 7/29/12 | 8:21:31 PM | 0.27 | 232 | 518 | 18 |
| 7/29/12 | 8:22:31 PM | 0.28 | 232 | 518 | 18 |
| 7/29/12 | 8:23:31 PM | 0.28 | 233 | 517 | 18 |
| 7/29/12 | 8:24:31 PM | 0.28 | 232 | 517 | 18 |
| 7/29/12 | 8:25:31 PM | 0.28 | 233 | 519 | 18 |
| 7/29/12 | 8:26:31 PM | 0.28 | 233 | 519 | 18 |
| 7/29/12 | 8:27:31 PM | 0.27 | 233 | 519 | 18 |
| 7/29/12 | 8:28:31 PM | 0.27 | 232 | 519 | 18 |
| 7/29/12 | 8:29:31 PM | 0.27 | 232 | 518 | 18 |
| 7/29/12 | 8:30:31 PM | 0.27 | 232 | 519 | 18 |
| 7/29/12 | 8:31:31 PM | 0.28 | 233 | 520 | 18 |
| 7/29/12 | 8:32:31 PM | 0.28 | 233 | 521 | 18 |
| 7/29/12 | 8:33:31 PM | 0.27 | 233 | 520 | 17 |
| 7/29/12 | 8:34:31 PM | 0.27 | 233 | 522 | 17 |
| 7/29/12 | 8:35:31 PM | 0.27 | 233 | 522 | 17 |
| 7/29/12 | 8:36:31 PM | 0.28 | 233 | 519 | 17 |
| 7/29/12 | 8:37:31 PM | 0.27 | 233 | 520 | 17 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **29-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **29-Jul-12** |
| | | **Start Time:** | **10:30** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/29/12 | 8:38:31 PM | 0.28 | 232 | 518 | 17 |
| 7/29/12 | 8:39:31 PM | 0.27 | 231 | 517 | 17 |
| 7/29/12 | 8:40:31 PM | 0.28 | 231 | 516 | 17 |
| 7/29/12 | 8:41:31 PM | 0.27 | 230 | 513 | 17 |
| 7/29/12 | 8:42:31 PM | 0.27 | 229 | 513 | 17 |
| 7/29/12 | 8:43:31 PM | 0.28 | 229 | 511 | 17 |
| 7/29/12 | 8:44:31 PM | 0.28 | 230 | 511 | 17 |
| 7/29/12 | 8:45:31 PM | 0.27 | 230 | 513 | 17 |
| 7/29/12 | 8:46:31 PM | 0.28 | 230 | 512 | 17 |
| 7/29/12 | 8:47:31 PM | 0.27 | 231 | 513 | 17 |
| 7/29/12 | 8:48:31 PM | 0.28 | 231 | 513 | 17 |
| 7/29/12 | 8:49:31 PM | 0.27 | 231 | 513 | 17 |
| 7/29/12 | 8:50:31 PM | 0.27 | 232 | 511 | 17 |
| 7/29/12 | 8:51:31 PM | 0.27 | 232 | 512 | 17 |
| 7/29/12 | 8:52:31 PM | 0.27 | 232 | 515 | 17 |
| 7/29/12 | 8:53:31 PM | 0.28 | 232 | 513 | 17 |
| 7/29/12 | 8:54:31 PM | 0.28 | 232 | 514 | 17 |
| 7/29/12 | 8:55:31 PM | 0.27 | 232 | 515 | 17 |
| 7/29/12 | 8:56:31 PM | 0.28 | 232 | 513 | 17 |
| 7/29/12 | 8:57:31 PM | 0.28 | 232 | 511 | 17 |
| 7/29/12 | 8:58:31 PM | 0.28 | 233 | 512 | 17 |
| 7/29/12 | 8:59:31 PM | 0.28 | 234 | 512 | 17 |
| 7/29/12 | 9:00:31 PM | 0.28 | 233 | 513 | 17 |
| 7/29/12 | 9:01:31 PM | 0.27 | 233 | 511 | 17 |
| 7/29/12 | 9:02:31 PM | 0.27 | 233 | 512 | 17 |
| 7/29/12 | 9:03:31 PM | 0.27 | 233 | 512 | 17 |
| 7/29/12 | 9:04:31 PM | 0.28 | 234 | 514 | 17 |
| 7/29/12 | 9:05:31 PM | 0.28 | 233 | 516 | 17 |
| 7/29/12 | 9:06:31 PM | 0.28 | 232 | 515 | 17 |
| 7/29/12 | 9:07:31 PM | 0.27 | 232 | 514 | 17 |
| 7/29/12 | 9:08:31 PM | 0.28 | 231 | 512 | 17 |
| 7/29/12 | 9:09:31 PM | 0.27 | 230 | 513 | 16 |
| 7/29/12 | 9:10:31 PM | 0.28 | 230 | 511 | 16 |
| 7/29/12 | 9:11:31 PM | 0.28 | 230 | 510 | 16 |
| 7/29/12 | 9:12:31 PM | 0.28 | 229 | 509 | 16 |
| 7/29/12 | 9:13:31 PM | 0.28 | 229 | 507 | 16 |
| 7/29/12 | 9:14:31 PM | 0.28 | 228 | 507 | 16 |
| 7/29/12 | 9:15:31 PM | 0.28 | 227 | 505 | 16 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **29-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **29-Jul-12** |
| | | **Start Time:** | **10:30** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/29/12 | 9:16:31 PM | 0.28 | 227 | 503 | 16 |
| 7/29/12 | 9:17:31 PM | 0.28 | 226 | 504 | 16 |
| 7/29/12 | 9:18:31 PM | 0.28 | 226 | 502 | 16 |
| 7/29/12 | 9:19:31 PM | 0.28 | 226 | 501 | 16 |
| 7/29/12 | 9:20:31 PM | 0.28 | 227 | 501 | 16 |
| 7/29/12 | 9:21:31 PM | 0.28 | 227 | 500 | 16 |
| 7/29/12 | 9:22:31 PM | 0.28 | 228 | 503 | 16 |
| 7/29/12 | 9:23:31 PM | 0.28 | 228 | 503 | 16 |
| 7/29/12 | 9:24:31 PM | 0.27 | 229 | 503 | 16 |
| 7/29/12 | 9:25:31 PM | 0.28 | 229 | 503 | 16 |
| 7/29/12 | 9:26:31 PM | 0.28 | 230 | 502 | 16 |
| 7/29/12 | 9:27:31 PM | 0.28 | 230 | 503 | 16 |
| 7/29/12 | 9:28:31 PM | 0.28 | 231 | 504 | 16 |
| 7/29/12 | 9:29:31 PM | 0.28 | 231 | 504 | 16 |
| 7/29/12 | 9:30:31 PM | 0.27 | 230 | 503 | 16 |
| 7/29/12 | 9:31:31 PM | 0.28 | 232 | 507 | 16 |
| 7/29/12 | 9:32:31 PM | 0.27 | 232 | 508 | 16 |
| 7/29/12 | 9:33:31 PM | 0.27 | 232 | 509 | 16 |
| 7/29/12 | 9:34:31 PM | 0.28 | 233 | 508 | 16 |
| 7/29/12 | 9:35:31 PM | 0.27 | 232 | 510 | 16 |
| 7/29/12 | 9:36:31 PM | 0.28 | 232 | 511 | 16 |
| 7/29/12 | 9:37:31 PM | 0.28 | 232 | 509 | 16 |
| 7/29/12 | 9:38:31 PM | 0.28 | 232 | 511 | 16 |
| 7/29/12 | 9:39:31 PM | 0.27 | 233 | 511 | 16 |
| 7/29/12 | 9:40:31 PM | 0.28 | 233 | 514 | 16 |
| 7/29/12 | 9:41:31 PM | 0.28 | 233 | 512 | 16 |
| 7/29/12 | 9:42:31 PM | 0.28 | 233 | 512 | 16 |
| 7/29/12 | 9:43:31 PM | 0.27 | 234 | 510 | 16 |
| 7/29/12 | 9:44:31 PM | 0.27 | 234 | 511 | 15 |
| 7/29/12 | 9:45:31 PM | 0.27 | 234 | 512 | 15 |
| 7/29/12 | 9:46:31 PM | 0.28 | 234 | 512 | 15 |
| 7/29/12 | 9:47:31 PM | 0.28 | 234 | 512 | 15 |
| 7/29/12 | 9:48:31 PM | 0.27 | 234 | 514 | 15 |
| 7/29/12 | 9:49:31 PM | 0.27 | 234 | 513 | 15 |
| 7/29/12 | 9:50:31 PM | 0.28 | 234 | 512 | 15 |
| 7/29/12 | 9:51:31 PM | 0.28 | 234 | 512 | 15 |
| 7/29/12 | 9:52:31 PM | 0.28 | 233 | 512 | 15 |
| 7/29/12 | 9:53:31 PM | 0.27 | 233 | 515 | 15 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **29-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **29-Jul-12** |
| | | **Start Time:** | **10:30** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/29/12 | 9:54:31 PM | 0.28 | 233 | 515 | 15 |
| 7/29/12 | 9:55:31 PM | 0.28 | 234 | 516 | 15 |
| 7/29/12 | 9:56:31 PM | 0.27 | 233 | 516 | 15 |
| 7/29/12 | 9:57:31 PM | 0.27 | 233 | 513 | 15 |
| 7/29/12 | 9:58:31 PM | 0.28 | 234 | 513 | 15 |
| 7/29/12 | 9:59:31 PM | 0.28 | 234 | 515 | 15 |
| 7/29/12 | 10:00:31 PM | 0.27 | 233 | 514 | 15 |
| 7/29/12 | 10:01:31 PM | 0.27 | 234 | 514 | 15 |
| 7/29/12 | 10:02:31 PM | 0.28 | 234 | 513 | 15 |
| 7/29/12 | 10:03:31 PM | 0.28 | 234 | 513 | 15 |
| 7/29/12 | 10:04:31 PM | 0.28 | 234 | 512 | 15 |
| 7/29/12 | 10:05:31 PM | 0.28 | 233 | 511 | 15 |
| 7/29/12 | 10:06:31 PM | 0.28 | 232 | 509 | 15 |
| 7/29/12 | 10:07:31 PM | 0.27 | 231 | 509 | 15 |
| 7/29/12 | 10:08:31 PM | 0.28 | 231 | 506 | 15 |
| 7/29/12 | 10:09:31 PM | 0.27 | 231 | 505 | 15 |
| 7/29/12 | 10:10:31 PM | 0.28 | 231 | 505 | 15 |
| 7/29/12 | 10:11:31 PM | 0.28 | 231 | 504 | 15 |
| 7/29/12 | 10:12:31 PM | 0.27 | 232 | 503 | 15 |
| 7/29/12 | 10:13:31 PM | 0.28 | 231 | 503 | 15 |
| 7/29/12 | 10:14:31 PM | 0.27 | 231 | 504 | 15 |
| 7/29/12 | 10:15:31 PM | 0.27 | 231 | 501 | 15 |
| 7/29/12 | 10:16:31 PM | 0.28 | 231 | 501 | 15 |
| 7/29/12 | 10:17:31 PM | 0.27 | 231 | 498 | 15 |
| 7/29/12 | 10:18:31 PM | 0.27 | 231 | 498 | 15 |
| 7/29/12 | 10:19:31 PM | 0.28 | 231 | 497 | 15 |
| 7/29/12 | 10:20:31 PM | 0.27 | 231 | 497 | 15 |
| 7/29/12 | 10:21:31 PM | 0.28 | 231 | 497 | 15 |
| 7/29/12 | 10:22:31 PM | 0.28 | 231 | 496 | 15 |
| 7/29/12 | 10:23:31 PM | 0.27 | 231 | 496 | 15 |
| 7/29/12 | 10:24:31 PM | 0.27 | 231 | 497 | 15 |
| 7/29/12 | 10:25:31 PM | 0.27 | 231 | 497 | 15 |
| 7/29/12 | 10:26:31 PM | 0.28 | 231 | 496 | 15 |
| 7/29/12 | 10:27:31 PM | 0.28 | 231 | 495 | 15 |
| 7/29/12 | 10:28:31 PM | 0.28 | 231 | 495 | 15 |
| 7/29/12 | 10:29:31 PM | 0.27 | 231 | 497 | 15 |
| 7/29/12 | 10:30:31 PM | 0.28 | 231 | 497 | 15 |
| 7/29/12 | 10:31:31 PM | 0.28 | 231 | 498 | 15 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **29-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **29-Jul-12** |
| | | **Start Time:** | **10:30** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/29/12 | 10:32:31 PM | 0.27 | 231 | 498 | 14 |
| 7/29/12 | 10:33:31 PM | 0.28 | 231 | 497 | 14 |
| 7/29/12 | 10:34:31 PM | 0.27 | 231 | 499 | 14 |
| 7/29/12 | 10:35:31 PM | 0.28 | 232 | 500 | 14 |
| 7/29/12 | 10:36:31 PM | 0.27 | 232 | 503 | 14 |
| 7/29/12 | 10:37:31 PM | 0.27 | 232 | 503 | 14 |
| 7/29/12 | 10:38:31 PM | 0.28 | 233 | 504 | 14 |
| 7/29/12 | 10:39:31 PM | 0.28 | 233 | 502 | 14 |
| 7/29/12 | 10:40:31 PM | 0.28 | 232 | 503 | 14 |
| 7/29/12 | 10:41:31 PM | 0.27 | 232 | 502 | 14 |
| 7/29/12 | 10:42:31 PM | 0.28 | 232 | 501 | 14 |
| 7/29/12 | 10:43:31 PM | 0.28 | 232 | 498 | 14 |
| 7/29/12 | 10:44:31 PM | 0.28 | 231 | 500 | 14 |
| 7/29/12 | 10:45:31 PM | 0.28 | 230 | 499 | 14 |
| 7/29/12 | 10:46:31 PM | 0.28 | 230 | 497 | 14 |
| 7/29/12 | 10:47:31 PM | 0.28 | 231 | 497 | 14 |
| 7/29/12 | 10:48:31 PM | 0.28 | 231 | 497 | 14 |
| 7/29/12 | 10:49:31 PM | 0.28 | 231 | 495 | 14 |
| 7/29/12 | 10:50:31 PM | 0.28 | 231 | 497 | 14 |
| 7/29/12 | 10:51:31 PM | 0.28 | 231 | 496 | 14 |
| 7/29/12 | 10:52:31 PM | 0.28 | 230 | 497 | 14 |
| 7/29/12 | 10:53:31 PM | 0.28 | 230 | 497 | 14 |
| 7/29/12 | 10:54:31 PM | 0.28 | 231 | 494 | 14 |
| 7/29/12 | 10:55:31 PM | 0.27 | 231 | 497 | 14 |
| 7/29/12 | 10:56:31 PM | 0.28 | 231 | 495 | 14 |
| 7/29/12 | 10:57:31 PM | 0.28 | 231 | 494 | 14 |
| 7/29/12 | 10:58:31 PM | 0.28 | 229 | 492 | 14 |
| 7/29/12 | 10:59:31 PM | 0.28 | 230 | 492 | 14 |
| 7/29/12 | 11:00:31 PM | 0.28 | 230 | 495 | 14 |
| 7/29/12 | 11:01:31 PM | 0.28 | 231 | 495 | 14 |
| 7/29/12 | 11:02:31 PM | 0.28 | 231 | 493 | 14 |
| 7/29/12 | 11:03:31 PM | 0.28 | 231 | 496 | 14 |
| 7/29/12 | 11:04:31 PM | 0.28 | 231 | 495 | 14 |
| 7/29/12 | 11:05:31 PM | 0.28 | 231 | 494 | 14 |
| 7/29/12 | 11:06:31 PM | 0.28 | 231 | 494 | 14 |
| 7/29/12 | 11:07:31 PM | 0.28 | 231 | 494 | 14 |
| 7/29/12 | 11:08:31 PM | 0.28 | 230 | 494 | 14 |
| 7/29/12 | 11:09:31 PM | 0.28 | 231 | 494 | 14 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **29-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **29-Jul-12** |
| | | **Start Time:** | **10:30** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/29/12 | 11:10:31 PM | 0.28 | 231 | 493 | 14 |
| 7/29/12 | 11:11:31 PM | 0.28 | 231 | 493 | 14 |
| 7/29/12 | 11:12:31 PM | 0.28 | 231 | 494 | 14 |
| 7/29/12 | 11:13:31 PM | 0.28 | 231 | 495 | 14 |
| 7/29/12 | 11:14:31 PM | 0.28 | 231 | 495 | 14 |
| 7/29/12 | 11:15:31 PM | 0.28 | 231 | 494 | 14 |
| 7/29/12 | 11:16:31 PM | 0.28 | 231 | 495 | 14 |
| 7/29/12 | 11:17:31 PM | 0.28 | 232 | 494 | 14 |
| 7/29/12 | 11:18:31 PM | 0.27 | 232 | 496 | 14 |
| 7/29/12 | 11:19:31 PM | 0.28 | 232 | 496 | 14 |
| 7/29/12 | 11:20:31 PM | 0.28 | 232 | 495 | 14 |
| 7/29/12 | 11:21:31 PM | 0.27 | 232 | 495 | 14 |
| 7/29/12 | 11:22:31 PM | 0.28 | 231 | 497 | 14 |
| 7/29/12 | 11:23:31 PM | 0.28 | 231 | 495 | 14 |
| 7/29/12 | 11:24:31 PM | 0.28 | 232 | 497 | 14 |
| 7/29/12 | 11:25:31 PM | 0.28 | 232 | 497 | 14 |
| 7/29/12 | 11:26:31 PM | 0.28 | 233 | 496 | 14 |
| 7/29/12 | 11:27:31 PM | 0.28 | 233 | 495 | 14 |
| 7/29/12 | 11:28:31 PM | 0.28 | 233 | 496 | 14 |
| 7/29/12 | 11:29:31 PM | 0.28 | 233 | 496 | 14 |
| 7/29/12 | 11:30:31 PM | 0.28 | 233 | 497 | 14 |
| 7/29/12 | 11:31:31 PM | 0.28 | 233 | 493 | 14 |
| 7/29/12 | 11:32:31 PM | 0.28 | 232 | 494 | 14 |
| 7/29/12 | 11:33:31 PM | 0.28 | 232 | 495 | 14 |
| 7/29/12 | 11:34:31 PM | 0.28 | 232 | 495 | 14 |
| 7/29/12 | 11:35:31 PM | 0.28 | 232 | 495 | 14 |
| 7/29/12 | 11:36:31 PM | 0.28 | 232 | 492 | 14 |
| 7/29/12 | 11:37:31 PM | 0.28 | 232 | 493 | 14 |
| 7/29/12 | 11:38:31 PM | 0.28 | 232 | 494 | 14 |
| 7/29/12 | 11:39:31 PM | 0.28 | 232 | 492 | 14 |
| 7/29/12 | 11:40:31 PM | 0.27 | 232 | 493 | 14 |
| 7/29/12 | 11:41:31 PM | 0.28 | 232 | 492 | 14 |
| 7/29/12 | 11:42:31 PM | 0.28 | 231 | 491 | 13 |
| 7/29/12 | 11:43:31 PM | 0.27 | 231 | 491 | 13 |
| 7/29/12 | 11:44:31 PM | 0.28 | 231 | 489 | 13 |
| 7/29/12 | 11:45:31 PM | 0.28 | 231 | 490 | 13 |
| 7/29/12 | 11:46:31 PM | 0.28 | 230 | 490 | 13 |
| 7/29/12 | 11:47:31 PM | 0.28 | 230 | 491 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **29-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **29-Jul-12** |
| | | **Start Time:** | **10:30** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/29/12 | 11:48:31 PM | 0.28 | 230 | 489 | 13 |
| 7/29/12 | 11:49:31 PM | 0.28 | 230 | 488 | 13 |
| 7/29/12 | 11:50:31 PM | 0.28 | 229 | 487 | 13 |
| 7/29/12 | 11:51:31 PM | 0.28 | 229 | 488 | 13 |
| 7/29/12 | 11:52:31 PM | 0.28 | 228 | 488 | 13 |
| 7/29/12 | 11:53:31 PM | 0.28 | 228 | 487 | 13 |
| 7/29/12 | 11:54:31 PM | 0.28 | 227 | 487 | 13 |
| 7/29/12 | 11:55:31 PM | 0.28 | 228 | 487 | 13 |
| 7/29/12 | 11:56:31 PM | 0.28 | 228 | 487 | 13 |
| 7/29/12 | 11:57:31 PM | 0.28 | 228 | 486 | 13 |
| 7/29/12 | 11:58:31 PM | 0.28 | 228 | 489 | 13 |
| 7/29/12 | 11:59:31 PM | 0.28 | 229 | 488 | 13 |
| Averages | | 0.28 | 225 | 608 | 28 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 12:00:31 AM | 0.28 | 229 | 488 | 13 |
| 7/30/12 | 12:01:31 AM | 0.28 | 229 | 488 | 13 |
| 7/30/12 | 12:02:31 AM | 0.28 | 229 | 491 | 13 |
| 7/30/12 | 12:03:31 AM | 0.28 | 229 | 490 | 13 |
| 7/30/12 | 12:04:31 AM | 0.28 | 229 | 488 | 13 |
| 7/30/12 | 12:05:31 AM | 0.28 | 229 | 490 | 13 |
| 7/30/12 | 12:06:31 AM | 0.28 | 229 | 488 | 13 |
| 7/30/12 | 12:07:31 AM | 0.28 | 229 | 487 | 13 |
| 7/30/12 | 12:08:31 AM | 0.28 | 228 | 487 | 13 |
| 7/30/12 | 12:09:31 AM | 0.28 | 228 | 487 | 13 |
| 7/30/12 | 12:10:31 AM | 0.28 | 227 | 486 | 13 |
| 7/30/12 | 12:11:31 AM | 0.28 | 227 | 486 | 13 |
| 7/30/12 | 12:12:31 AM | 0.28 | 228 | 485 | 13 |
| 7/30/12 | 12:13:31 AM | 0.28 | 228 | 484 | 13 |
| 7/30/12 | 12:14:31 AM | 0.28 | 228 | 484 | 13 |
| 7/30/12 | 12:15:31 AM | 0.28 | 228 | 483 | 13 |
| 7/30/12 | 12:16:31 AM | 0.28 | 228 | 483 | 13 |
| 7/30/12 | 12:17:31 AM | 0.28 | 229 | 484 | 13 |
| 7/30/12 | 12:18:31 AM | 0.28 | 229 | 484 | 13 |
| 7/30/12 | 12:19:31 AM | 0.28 | 229 | 483 | 13 |
| 7/30/12 | 12:20:31 AM | 0.28 | 229 | 484 | 13 |
| 7/30/12 | 12:21:31 AM | 0.28 | 229 | 484 | 13 |
| 7/30/12 | 12:22:31 AM | 0.28 | 229 | 483 | 13 |
| 7/30/12 | 12:23:31 AM | 0.28 | 229 | 483 | 13 |
| 7/30/12 | 12:24:31 AM | 0.28 | 228 | 482 | 13 |
| 7/30/12 | 12:25:31 AM | 0.28 | 228 | 482 | 13 |
| 7/30/12 | 12:26:31 AM | 0.27 | 227 | 482 | 13 |
| 7/30/12 | 12:27:31 AM | 0.28 | 227 | 480 | 13 |
| 7/30/12 | 12:28:31 AM | 0.28 | 228 | 480 | 13 |
| 7/30/12 | 12:29:31 AM | 0.28 | 227 | 480 | 13 |
| 7/30/12 | 12:30:31 AM | 0.28 | 228 | 477 | 13 |
| 7/30/12 | 12:31:31 AM | 0.28 | 229 | 479 | 13 |
| 7/30/12 | 12:32:31 AM | 0.28 | 230 | 479 | 13 |
| 7/30/12 | 12:33:31 AM | 0.28 | 230 | 480 | 13 |
| 7/30/12 | 12:34:31 AM | 0.28 | 230 | 480 | 13 |
| 7/30/12 | 12:35:31 AM | 0.28 | 230 | 478 | 13 |
| 7/30/12 | 12:36:31 AM | 0.27 | 231 | 479 | 13 |
| 7/30/12 | 12:37:31 AM | 0.28 | 231 | 481 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 12:38:31 AM | 0.28 | 231 | 482 | 13 |
| 7/30/12 | 12:39:31 AM | 0.28 | 231 | 483 | 13 |
| 7/30/12 | 12:40:31 AM | 0.28 | 231 | 484 | 13 |
| 7/30/12 | 12:41:31 AM | 0.28 | 230 | 485 | 13 |
| 7/30/12 | 12:42:31 AM | 0.28 | 230 | 485 | 12 |
| 7/30/12 | 12:43:31 AM | 0.28 | 230 | 485 | 12 |
| 7/30/12 | 12:44:31 AM | 0.28 | 230 | 486 | 12 |
| 7/30/12 | 12:45:31 AM | 0.28 | 231 | 489 | 12 |
| 7/30/12 | 12:46:31 AM | 0.28 | 230 | 489 | 12 |
| 7/30/12 | 12:47:31 AM | 0.27 | 230 | 490 | 12 |
| 7/30/12 | 12:48:31 AM | 0.28 | 230 | 492 | 12 |
| 7/30/12 | 12:49:31 AM | 0.28 | 231 | 494 | 12 |
| 7/30/12 | 12:50:31 AM | 0.28 | 230 | 494 | 12 |
| 7/30/12 | 12:51:31 AM | 0.28 | 230 | 496 | 12 |
| 7/30/12 | 12:52:31 AM | 0.28 | 230 | 497 | 12 |
| 7/30/12 | 12:53:31 AM | 0.28 | 230 | 497 | 12 |
| 7/30/12 | 12:54:31 AM | 0.28 | 230 | 497 | 12 |
| 7/30/12 | 12:55:31 AM | 0.28 | 229 | 498 | 12 |
| 7/30/12 | 12:56:31 AM | 0.28 | 229 | 498 | 12 |
| 7/30/12 | 12:57:31 AM | 0.28 | 229 | 497 | 13 |
| 7/30/12 | 12:58:31 AM | 0.28 | 230 | 497 | 13 |
| 7/30/12 | 12:59:31 AM | 0.28 | 229 | 495 | 13 |
| 7/30/12 | 1:00:31 AM | 0.28 | 229 | 493 | 13 |
| 7/30/12 | 1:01:31 AM | 0.28 | 229 | 494 | 13 |
| 7/30/12 | 1:02:31 AM | 0.28 | 230 | 493 | 13 |
| 7/30/12 | 1:03:31 AM | 0.28 | 229 | 492 | 13 |
| 7/30/12 | 1:04:31 AM | 0.28 | 230 | 492 | 13 |
| 7/30/12 | 1:05:31 AM | 0.28 | 231 | 491 | 13 |
| 7/30/12 | 1:06:31 AM | 0.28 | 231 | 492 | 13 |
| 7/30/12 | 1:07:31 AM | 0.28 | 232 | 492 | 13 |
| 7/30/12 | 1:08:31 AM | 0.28 | 232 | 493 | 13 |
| 7/30/12 | 1:09:31 AM | 0.27 | 232 | 493 | 13 |
| 7/30/12 | 1:10:31 AM | 0.28 | 233 | 492 | 13 |
| 7/30/12 | 1:11:31 AM | 0.28 | 233 | 492 | 13 |
| 7/30/12 | 1:12:31 AM | 0.28 | 233 | 492 | 13 |
| 7/30/12 | 1:13:31 AM | 0.28 | 233 | 492 | 13 |
| 7/30/12 | 1:14:31 AM | 0.27 | 233 | 492 | 13 |
| 7/30/12 | 1:15:31 AM | 0.28 | 233 | 492 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 1:16:31 AM | 0.27 | 233 | 491 | 13 |
| 7/30/12 | 1:17:31 AM | 0.27 | 233 | 491 | 13 |
| 7/30/12 | 1:18:31 AM | 0.28 | 233 | 490 | 13 |
| 7/30/12 | 1:19:31 AM | 0.28 | 233 | 489 | 13 |
| 7/30/12 | 1:20:31 AM | 0.28 | 232 | 487 | 13 |
| 7/30/12 | 1:21:31 AM | 0.28 | 232 | 486 | 13 |
| 7/30/12 | 1:22:31 AM | 0.27 | 232 | 487 | 13 |
| 7/30/12 | 1:23:31 AM | 0.27 | 232 | 486 | 13 |
| 7/30/12 | 1:24:31 AM | 0.27 | 232 | 487 | 13 |
| 7/30/12 | 1:25:31 AM | 0.27 | 232 | 487 | 13 |
| 7/30/12 | 1:26:31 AM | 0.27 | 232 | 486 | 13 |
| 7/30/12 | 1:27:31 AM | 0.28 | 232 | 484 | 13 |
| 7/30/12 | 1:28:31 AM | 0.27 | 232 | 486 | 13 |
| 7/30/12 | 1:29:31 AM | 0.27 | 232 | 485 | 13 |
| 7/30/12 | 1:30:31 AM | 0.27 | 233 | 486 | 13 |
| 7/30/12 | 1:31:31 AM | 0.28 | 232 | 485 | 13 |
| 7/30/12 | 1:32:31 AM | 0.28 | 231 | 486 | 13 |
| 7/30/12 | 1:33:31 AM | 0.28 | 230 | 482 | 13 |
| 7/30/12 | 1:34:31 AM | 0.28 | 230 | 483 | 13 |
| 7/30/12 | 1:35:31 AM | 0.28 | 230 | 482 | 13 |
| 7/30/12 | 1:36:31 AM | 0.28 | 230 | 481 | 13 |
| 7/30/12 | 1:37:31 AM | 0.28 | 230 | 480 | 13 |
| 7/30/12 | 1:38:31 AM | 0.28 | 230 | 481 | 12 |
| 7/30/12 | 1:39:31 AM | 0.28 | 230 | 482 | 12 |
| 7/30/12 | 1:40:31 AM | 0.28 | 230 | 481 | 12 |
| 7/30/12 | 1:41:31 AM | 0.28 | 230 | 480 | 12 |
| 7/30/12 | 1:42:31 AM | 0.28 | 230 | 482 | 12 |
| 7/30/12 | 1:43:31 AM | 0.28 | 230 | 482 | 12 |
| 7/30/12 | 1:44:31 AM | 0.28 | 230 | 482 | 12 |
| 7/30/12 | 1:45:31 AM | 0.28 | 230 | 482 | 12 |
| 7/30/12 | 1:46:31 AM | 0.28 | 229 | 482 | 12 |
| 7/30/12 | 1:47:31 AM | 0.28 | 229 | 482 | 12 |
| 7/30/12 | 1:48:31 AM | 0.28 | 229 | 480 | 12 |
| 7/30/12 | 1:49:31 AM | 0.28 | 229 | 481 | 12 |
| 7/30/12 | 1:50:31 AM | 0.28 | 229 | 480 | 12 |
| 7/30/12 | 1:51:31 AM | 0.28 | 229 | 481 | 12 |
| 7/30/12 | 1:52:31 AM | 0.28 | 229 | 479 | 12 |
| 7/30/12 | 1:53:31 AM | 0.28 | 228 | 479 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 1:54:31 AM | 0.28 | 228 | 479 | 12 |
| 7/30/12 | 1:55:31 AM | 0.28 | 227 | 478 | 12 |
| 7/30/12 | 1:56:31 AM | 0.28 | 227 | 478 | 12 |
| 7/30/12 | 1:57:31 AM | 0.28 | 227 | 478 | 12 |
| 7/30/12 | 1:58:31 AM | 0.28 | 226 | 478 | 12 |
| 7/30/12 | 1:59:31 AM | 0.28 | 227 | 480 | 12 |
| 7/30/12 | 2:00:31 AM | 0.28 | 227 | 481 | 12 |
| 7/30/12 | 2:01:31 AM | 0.28 | 227 | 481 | 12 |
| 7/30/12 | 2:02:31 AM | 0.28 | 228 | 483 | 12 |
| 7/30/12 | 2:03:31 AM | 0.28 | 228 | 483 | 12 |
| 7/30/12 | 2:04:31 AM | 0.28 | 228 | 483 | 12 |
| 7/30/12 | 2:05:31 AM | 0.28 | 229 | 481 | 12 |
| 7/30/12 | 2:06:31 AM | 0.28 | 228 | 482 | 12 |
| 7/30/12 | 2:07:31 AM | 0.28 | 228 | 481 | 12 |
| 7/30/12 | 2:08:31 AM | 0.28 | 228 | 479 | 12 |
| 7/30/12 | 2:09:31 AM | 0.28 | 227 | 479 | 12 |
| 7/30/12 | 2:10:31 AM | 0.28 | 227 | 479 | 12 |
| 7/30/12 | 2:11:31 AM | 0.28 | 227 | 480 | 12 |
| 7/30/12 | 2:12:31 AM | 0.28 | 227 | 479 | 12 |
| 7/30/12 | 2:13:31 AM | 0.28 | 227 | 479 | 12 |
| 7/30/12 | 2:14:31 AM | 0.28 | 228 | 479 | 12 |
| 7/30/12 | 2:15:31 AM | 0.28 | 227 | 479 | 12 |
| 7/30/12 | 2:16:31 AM | 0.28 | 228 | 479 | 12 |
| 7/30/12 | 2:17:31 AM | 0.28 | 228 | 479 | 12 |
| 7/30/12 | 2:18:31 AM | 0.28 | 227 | 477 | 12 |
| 7/30/12 | 2:19:31 AM | 0.28 | 227 | 478 | 12 |
| 7/30/12 | 2:20:31 AM | 0.28 | 227 | 478 | 12 |
| 7/30/12 | 2:21:31 AM | 0.28 | 226 | 476 | 12 |
| 7/30/12 | 2:22:31 AM | 0.28 | 226 | 477 | 12 |
| 7/30/12 | 2:23:31 AM | 0.28 | 226 | 477 | 12 |
| 7/30/12 | 2:24:31 AM | 0.28 | 226 | 477 | 12 |
| 7/30/12 | 2:25:31 AM | 0.28 | 226 | 476 | 12 |
| 7/30/12 | 2:26:31 AM | 0.28 | 226 | 477 | 12 |
| 7/30/12 | 2:27:31 AM | 0.28 | 226 | 477 | 12 |
| 7/30/12 | 2:28:31 AM | 0.28 | 226 | 478 | 12 |
| 7/30/12 | 2:29:31 AM | 0.28 | 226 | 477 | 12 |
| 7/30/12 | 2:30:31 AM | 0.28 | 227 | 477 | 12 |
| 7/30/12 | 2:31:31 AM | 0.28 | 227 | 477 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 2:32:31 AM | 0.28 | 227 | 478 | 12 |
| 7/30/12 | 2:33:31 AM | 0.28 | 228 | 478 | 12 |
| 7/30/12 | 2:34:31 AM | 0.28 | 228 | 478 | 12 |
| 7/30/12 | 2:35:31 AM | 0.28 | 229 | 480 | 12 |
| 7/30/12 | 2:36:31 AM | 0.28 | 229 | 482 | 12 |
| 7/30/12 | 2:37:31 AM | 0.28 | 230 | 482 | 12 |
| 7/30/12 | 2:38:31 AM | 0.28 | 229 | 481 | 12 |
| 7/30/12 | 2:39:31 AM | 0.28 | 230 | 482 | 12 |
| 7/30/12 | 2:40:31 AM | 0.28 | 230 | 482 | 12 |
| 7/30/12 | 2:41:31 AM | 0.28 | 230 | 483 | 12 |
| 7/30/12 | 2:42:31 AM | 0.28 | 230 | 485 | 12 |
| 7/30/12 | 2:43:31 AM | 0.28 | 230 | 487 | 12 |
| 7/30/12 | 2:44:31 AM | 0.28 | 230 | 489 | 12 |
| 7/30/12 | 2:45:31 AM | 0.28 | 230 | 488 | 12 |
| 7/30/12 | 2:46:31 AM | 0.28 | 230 | 488 | 12 |
| 7/30/12 | 2:47:31 AM | 0.28 | 231 | 489 | 12 |
| 7/30/12 | 2:48:31 AM | 0.28 | 231 | 490 | 12 |
| 7/30/12 | 2:49:31 AM | 0.28 | 230 | 491 | 12 |
| 7/30/12 | 2:50:31 AM | 0.28 | 231 | 492 | 12 |
| 7/30/12 | 2:51:31 AM | 0.28 | 231 | 494 | 12 |
| 7/30/12 | 2:52:31 AM | 0.28 | 231 | 494 | 12 |
| 7/30/12 | 2:53:31 AM | 0.28 | 232 | 496 | 12 |
| 7/30/12 | 2:54:31 AM | 0.28 | 231 | 496 | 12 |
| 7/30/12 | 2:55:31 AM | 0.28 | 232 | 497 | 12 |
| 7/30/12 | 2:56:31 AM | 0.28 | 230 | 496 | 12 |
| 7/30/12 | 2:57:31 AM | 0.28 | 230 | 496 | 12 |
| 7/30/12 | 2:58:31 AM | 0.28 | 230 | 497 | 12 |
| 7/30/12 | 2:59:31 AM | 0.28 | 229 | 498 | 12 |
| 7/30/12 | 3:00:31 AM | 0.28 | 229 | 499 | 12 |
| 7/30/12 | 3:01:31 AM | 0.28 | 230 | 498 | 12 |
| 7/30/12 | 3:02:31 AM | 0.28 | 230 | 497 | 12 |
| 7/30/12 | 3:03:31 AM | 0.28 | 229 | 496 | 12 |
| 7/30/12 | 3:04:31 AM | 0.27 | 230 | 496 | 12 |
| 7/30/12 | 3:05:31 AM | 0.28 | 230 | 496 | 12 |
| 7/30/12 | 3:06:31 AM | 0.28 | 231 | 494 | 12 |
| 7/30/12 | 3:07:31 AM | 0.28 | 231 | 494 | 12 |
| 7/30/12 | 3:08:31 AM | 0.27 | 231 | 494 | 12 |
| 7/30/12 | 3:09:31 AM | 0.28 | 231 | 495 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 3:10:31 AM | 0.28 | 231 | 493 | 12 |
| 7/30/12 | 3:11:31 AM | 0.28 | 231 | 494 | 12 |
| 7/30/12 | 3:12:31 AM | 0.28 | 231 | 491 | 12 |
| 7/30/12 | 3:13:31 AM | 0.28 | 231 | 491 | 12 |
| 7/30/12 | 3:14:31 AM | 0.28 | 232 | 492 | 12 |
| 7/30/12 | 3:15:31 AM | 0.28 | 232 | 492 | 12 |
| 7/30/12 | 3:16:31 AM | 0.28 | 231 | 491 | 12 |
| 7/30/12 | 3:17:31 AM | 0.28 | 230 | 488 | 12 |
| 7/30/12 | 3:18:31 AM | 0.28 | 230 | 487 | 12 |
| 7/30/12 | 3:19:31 AM | 0.28 | 229 | 486 | 12 |
| 7/30/12 | 3:20:31 AM | 0.28 | 229 | 486 | 12 |
| 7/30/12 | 3:21:31 AM | 0.28 | 230 | 484 | 12 |
| 7/30/12 | 3:22:31 AM | 0.28 | 230 | 486 | 12 |
| 7/30/12 | 3:23:31 AM | 0.28 | 231 | 487 | 12 |
| 7/30/12 | 3:24:31 AM | 0.28 | 231 | 487 | 12 |
| 7/30/12 | 3:25:31 AM | 0.28 | 231 | 487 | 12 |
| 7/30/12 | 3:26:31 AM | 0.28 | 231 | 487 | 12 |
| 7/30/12 | 3:27:31 AM | 0.28 | 231 | 487 | 12 |
| 7/30/12 | 3:28:31 AM | 0.28 | 230 | 487 | 12 |
| 7/30/12 | 3:29:31 AM | 0.28 | 230 | 485 | 12 |
| 7/30/12 | 3:30:31 AM | 0.28 | 230 | 485 | 12 |
| 7/30/12 | 3:31:31 AM | 0.27 | 229 | 483 | 12 |
| 7/30/12 | 3:32:31 AM | 0.28 | 229 | 483 | 12 |
| 7/30/12 | 3:33:31 AM | 0.28 | 228 | 482 | 12 |
| 7/30/12 | 3:34:31 AM | 0.28 | 227 | 482 | 12 |
| 7/30/12 | 3:35:31 AM | 0.28 | 227 | 481 | 12 |
| 7/30/12 | 3:36:31 AM | 0.28 | 227 | 482 | 12 |
| 7/30/12 | 3:37:31 AM | 0.28 | 227 | 481 | 12 |
| 7/30/12 | 3:38:31 AM | 0.28 | 227 | 482 | 12 |
| 7/30/12 | 3:39:31 AM | 0.28 | 228 | 479 | 12 |
| 7/30/12 | 3:40:31 AM | 0.28 | 228 | 481 | 12 |
| 7/30/12 | 3:41:31 AM | 0.28 | 228 | 480 | 12 |
| 7/30/12 | 3:42:31 AM | 0.28 | 229 | 479 | 12 |
| 7/30/12 | 3:43:31 AM | 0.28 | 228 | 480 | 12 |
| 7/30/12 | 3:44:31 AM | 0.28 | 229 | 480 | 12 |
| 7/30/12 | 3:45:31 AM | 0.28 | 228 | 479 | 12 |
| 7/30/12 | 3:46:31 AM | 0.28 | 229 | 480 | 12 |
| 7/30/12 | 3:47:31 AM | 0.28 | 229 | 482 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 3:48:31 AM | 0.28 | 228 | 481 | 12 |
| 7/30/12 | 3:49:31 AM | 0.28 | 228 | 481 | 12 |
| 7/30/12 | 3:50:31 AM | 0.28 | 228 | 482 | 12 |
| 7/30/12 | 3:51:31 AM | 0.28 | 229 | 482 | 12 |
| 7/30/12 | 3:52:31 AM | 0.28 | 229 | 481 | 12 |
| 7/30/12 | 3:53:31 AM | 0.28 | 229 | 482 | 12 |
| 7/30/12 | 3:54:31 AM | 0.28 | 229 | 483 | 12 |
| 7/30/12 | 3:55:31 AM | 0.28 | 228 | 482 | 12 |
| 7/30/12 | 3:56:31 AM | 0.28 | 228 | 482 | 12 |
| 7/30/12 | 3:57:31 AM | 0.28 | 228 | 481 | 12 |
| 7/30/12 | 3:58:31 AM | 0.28 | 228 | 480 | 12 |
| 7/30/12 | 3:59:31 AM | 0.28 | 228 | 480 | 12 |
| 7/30/12 | 4:00:31 AM | 0.28 | 228 | 481 | 12 |
| 7/30/12 | 4:01:31 AM | 0.28 | 228 | 481 | 12 |
| 7/30/12 | 4:02:31 AM | 0.28 | 228 | 481 | 12 |
| 7/30/12 | 4:03:31 AM | 0.28 | 228 | 480 | 12 |
| 7/30/12 | 4:04:31 AM | 0.28 | 229 | 479 | 12 |
| 7/30/12 | 4:05:31 AM | 0.28 | 229 | 481 | 12 |
| 7/30/12 | 4:06:31 AM | 0.28 | 229 | 482 | 12 |
| 7/30/12 | 4:07:31 AM | 0.28 | 229 | 483 | 12 |
| 7/30/12 | 4:08:31 AM | 0.28 | 229 | 484 | 12 |
| 7/30/12 | 4:09:31 AM | 0.28 | 229 | 483 | 11 |
| 7/30/12 | 4:10:31 AM | 0.28 | 229 | 485 | 11 |
| 7/30/12 | 4:11:31 AM | 0.28 | 229 | 487 | 11 |
| 7/30/12 | 4:12:31 AM | 0.28 | 229 | 487 | 11 |
| 7/30/12 | 4:13:31 AM | 0.28 | 229 | 486 | 11 |
| 7/30/12 | 4:14:31 AM | 0.28 | 229 | 488 | 11 |
| 7/30/12 | 4:15:31 AM | 0.28 | 229 | 489 | 11 |
| 7/30/12 | 4:16:31 AM | 0.28 | 229 | 488 | 11 |
| 7/30/12 | 4:17:31 AM | 0.28 | 229 | 488 | 11 |
| 7/30/12 | 4:18:31 AM | 0.28 | 228 | 491 | 12 |
| 7/30/12 | 4:19:31 AM | 0.28 | 228 | 492 | 12 |
| 7/30/12 | 4:20:31 AM | 0.28 | 228 | 492 | 12 |
| 7/30/12 | 4:21:31 AM | 0.28 | 228 | 493 | 12 |
| 7/30/12 | 4:22:31 AM | 0.28 | 228 | 493 | 12 |
| 7/30/12 | 4:23:31 AM | 0.28 | 228 | 493 | 12 |
| 7/30/12 | 4:24:31 AM | 0.28 | 228 | 494 | 12 |
| 7/30/12 | 4:25:31 AM | 0.28 | 228 | 495 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 4:26:31 AM | 0.29 | 228 | 495 | 12 |
| 7/30/12 | 4:27:31 AM | 0.28 | 228 | 495 | 12 |
| 7/30/12 | 4:28:31 AM | 0.28 | 228 | 497 | 12 |
| 7/30/12 | 4:29:31 AM | 0.28 | 228 | 494 | 12 |
| 7/30/12 | 4:30:31 AM | 0.28 | 228 | 494 | 12 |
| 7/30/12 | 4:31:31 AM | 0.28 | 229 | 493 | 12 |
| 7/30/12 | 4:32:31 AM | 0.28 | 228 | 493 | 12 |
| 7/30/12 | 4:33:31 AM | 0.28 | 227 | 493 | 12 |
| 7/30/12 | 4:34:31 AM | 0.28 | 227 | 490 | 12 |
| 7/30/12 | 4:35:31 AM | 0.28 | 228 | 490 | 12 |
| 7/30/12 | 4:36:31 AM | 0.28 | 228 | 488 | 12 |
| 7/30/12 | 4:37:31 AM | 0.28 | 228 | 487 | 12 |
| 7/30/12 | 4:38:31 AM | 0.28 | 228 | 486 | 12 |
| 7/30/12 | 4:39:31 AM | 0.28 | 228 | 485 | 12 |
| 7/30/12 | 4:40:31 AM | 0.28 | 228 | 484 | 12 |
| 7/30/12 | 4:41:31 AM | 0.28 | 227 | 483 | 12 |
| 7/30/12 | 4:42:31 AM | 0.28 | 228 | 483 | 12 |
| 7/30/12 | 4:43:31 AM | 0.28 | 228 | 483 | 12 |
| 7/30/12 | 4:44:31 AM | 0.28 | 229 | 483 | 12 |
| 7/30/12 | 4:45:31 AM | 0.28 | 228 | 484 | 12 |
| 7/30/12 | 4:46:31 AM | 0.28 | 228 | 484 | 12 |
| 7/30/12 | 4:47:31 AM | 0.28 | 229 | 484 | 12 |
| 7/30/12 | 4:48:31 AM | 0.28 | 230 | 484 | 12 |
| 7/30/12 | 4:49:31 AM | 0.28 | 229 | 484 | 12 |
| 7/30/12 | 4:50:31 AM | 0.28 | 230 | 484 | 12 |
| 7/30/12 | 4:51:31 AM | 0.28 | 230 | 482 | 12 |
| 7/30/12 | 4:52:31 AM | 0.28 | 230 | 482 | 12 |
| 7/30/12 | 4:53:31 AM | 0.28 | 230 | 482 | 12 |
| 7/30/12 | 4:54:31 AM | 0.28 | 230 | 482 | 12 |
| 7/30/12 | 4:55:31 AM | 0.28 | 230 | 482 | 12 |
| 7/30/12 | 4:56:31 AM | 0.28 | 230 | 483 | 12 |
| 7/30/12 | 4:57:31 AM | 0.28 | 230 | 483 | 12 |
| 7/30/12 | 4:58:31 AM | 0.28 | 230 | 483 | 12 |
| 7/30/12 | 4:59:31 AM | 0.28 | 229 | 482 | 12 |
| 7/30/12 | 5:00:31 AM | 0.28 | 228 | 480 | 12 |
| 7/30/12 | 5:01:31 AM | 0.28 | 228 | 479 | 12 |
| 7/30/12 | 5:02:31 AM | 0.28 | 228 | 478 | 12 |
| 7/30/12 | 5:03:31 AM | 0.28 | 227 | 477 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 5:04:31 AM | 0.29 | 228 | 478 | 12 |
| 7/30/12 | 5:05:31 AM | 0.28 | 228 | 477 | 12 |
| 7/30/12 | 5:06:31 AM | 0.28 | 228 | 479 | 12 |
| 7/30/12 | 5:07:31 AM | 0.28 | 228 | 477 | 12 |
| 7/30/12 | 5:08:31 AM | 0.28 | 228 | 478 | 12 |
| 7/30/12 | 5:09:31 AM | 0.28 | 227 | 477 | 12 |
| 7/30/12 | 5:10:31 AM | 0.28 | 226 | 477 | 12 |
| 7/30/12 | 5:11:31 AM | 0.29 | 226 | 476 | 12 |
| 7/30/12 | 5:12:31 AM | 0.28 | 226 | 475 | 12 |
| 7/30/12 | 5:13:31 AM | 0.28 | 227 | 474 | 12 |
| 7/30/12 | 5:14:31 AM | 0.28 | 227 | 475 | 12 |
| 7/30/12 | 5:15:31 AM | 0.28 | 228 | 475 | 12 |
| 7/30/12 | 5:16:31 AM | 0.28 | 228 | 474 | 12 |
| 7/30/12 | 5:17:31 AM | 0.28 | 228 | 477 | 12 |
| 7/30/12 | 5:18:31 AM | 0.28 | 228 | 477 | 12 |
| 7/30/12 | 5:19:31 AM | 0.28 | 228 | 477 | 12 |
| 7/30/12 | 5:20:31 AM | 0.28 | 229 | 478 | 12 |
| 7/30/12 | 5:21:31 AM | 0.28 | 229 | 478 | 12 |
| 7/30/12 | 5:22:31 AM | 0.28 | 229 | 478 | 12 |
| 7/30/12 | 5:23:31 AM | 0.28 | 229 | 480 | 11 |
| 7/30/12 | 5:24:31 AM | 0.28 | 230 | 482 | 11 |
| 7/30/12 | 5:25:31 AM | 0.28 | 231 | 484 | 11 |
| 7/30/12 | 5:26:31 AM | 0.28 | 231 | 485 | 11 |
| 7/30/12 | 5:27:31 AM | 0.28 | 230 | 488 | 11 |
| 7/30/12 | 5:28:31 AM | 0.28 | 231 | 488 | 11 |
| 7/30/12 | 5:29:31 AM | 0.28 | 232 | 490 | 11 |
| 7/30/12 | 5:30:31 AM | 0.28 | 232 | 491 | 11 |
| 7/30/12 | 5:31:31 AM | 0.28 | 232 | 490 | 11 |
| 7/30/12 | 5:32:31 AM | 0.28 | 232 | 491 | 11 |
| 7/30/12 | 5:33:31 AM | 0.28 | 231 | 493 | 11 |
| 7/30/12 | 5:34:31 AM | 0.28 | 231 | 492 | 11 |
| 7/30/12 | 5:35:31 AM | 0.28 | 231 | 494 | 11 |
| 7/30/12 | 5:36:31 AM | 0.28 | 231 | 494 | 11 |
| 7/30/12 | 5:37:31 AM | 0.28 | 231 | 496 | 11 |
| 7/30/12 | 5:38:31 AM | 0.28 | 231 | 497 | 11 |
| 7/30/12 | 5:39:31 AM | 0.28 | 231 | 498 | 11 |
| 7/30/12 | 5:40:31 AM | 0.28 | 231 | 500 | 11 |
| 7/30/12 | 5:41:31 AM | 0.27 | 231 | 501 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 5:42:31 AM | 0.28 | 232 | 501 | 11 |
| 7/30/12 | 5:43:31 AM | 0.28 | 231 | 502 | 11 |
| 7/30/12 | 5:44:31 AM | 0.27 | 232 | 501 | 12 |
| 7/30/12 | 5:45:31 AM | 0.28 | 231 | 499 | 12 |
| 7/30/12 | 5:46:31 AM | 0.28 | 231 | 500 | 12 |
| 7/30/12 | 5:47:31 AM | 0.28 | 230 | 498 | 12 |
| 7/30/12 | 5:48:31 AM | 0.28 | 231 | 497 | 12 |
| 7/30/12 | 5:49:31 AM | 0.28 | 231 | 497 | 12 |
| 7/30/12 | 5:50:31 AM | 0.28 | 230 | 495 | 12 |
| 7/30/12 | 5:51:31 AM | 0.29 | 230 | 493 | 12 |
| 7/30/12 | 5:52:31 AM | 0.28 | 229 | 492 | 12 |
| 7/30/12 | 5:53:31 AM | 0.28 | 229 | 492 | 12 |
| 7/30/12 | 5:54:31 AM | 0.28 | 229 | 491 | 12 |
| 7/30/12 | 5:55:31 AM | 0.28 | 229 | 490 | 12 |
| 7/30/12 | 5:56:31 AM | 0.28 | 230 | 488 | 12 |
| 7/30/12 | 5:57:31 AM | 0.28 | 231 | 488 | 12 |
| 7/30/12 | 5:58:31 AM | 0.28 | 231 | 489 | 12 |
| 7/30/12 | 5:59:31 AM | 0.28 | 231 | 489 | 12 |
| 7/30/12 | 6:00:31 AM | 0.28 | 230 | 487 | 12 |
| 7/30/12 | 6:01:31 AM | 0.27 | 229 | 489 | 12 |
| 7/30/12 | 6:02:31 AM | 0.28 | 229 | 487 | 12 |
| 7/30/12 | 6:03:31 AM | 0.28 | 228 | 486 | 12 |
| 7/30/12 | 6:04:31 AM | 0.28 | 229 | 486 | 12 |
| 7/30/12 | 6:05:31 AM | 0.28 | 229 | 486 | 12 |
| 7/30/12 | 6:06:31 AM | 0.28 | 229 | 486 | 12 |
| 7/30/12 | 6:07:31 AM | 0.28 | 229 | 486 | 12 |
| 7/30/12 | 6:08:31 AM | 0.28 | 229 | 485 | 12 |
| 7/30/12 | 6:09:31 AM | 0.28 | 229 | 485 | 12 |
| 7/30/12 | 6:10:31 AM | 0.28 | 229 | 486 | 12 |
| 7/30/12 | 6:11:31 AM | 0.28 | 229 | 487 | 12 |
| 7/30/12 | 6:12:31 AM | 0.28 | 228 | 487 | 12 |
| 7/30/12 | 6:13:31 AM | 0.28 | 228 | 485 | 12 |
| 7/30/12 | 6:14:31 AM | 0.28 | 228 | 485 | 12 |
| 7/30/12 | 6:15:31 AM | 0.28 | 228 | 485 | 12 |
| 7/30/12 | 6:16:31 AM | 0.28 | 229 | 486 | 12 |
| 7/30/12 | 6:17:31 AM | 0.28 | 229 | 485 | 12 |
| 7/30/12 | 6:18:31 AM | 0.28 | 230 | 487 | 12 |
| 7/30/12 | 6:19:31 AM | 0.28 | 230 | 487 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 6:20:31 AM | 0.28 | 230 | 485 | 12 |
| 7/30/12 | 6:21:31 AM | 0.28 | 230 | 484 | 12 |
| 7/30/12 | 6:22:31 AM | 0.28 | 229 | 484 | 12 |
| 7/30/12 | 6:23:31 AM | 0.28 | 229 | 484 | 12 |
| 7/30/12 | 6:24:31 AM | 0.28 | 229 | 483 | 12 |
| 7/30/12 | 6:25:31 AM | 0.28 | 229 | 483 | 12 |
| 7/30/12 | 6:26:31 AM | 0.28 | 230 | 483 | 12 |
| 7/30/12 | 6:27:31 AM | 0.28 | 230 | 483 | 12 |
| 7/30/12 | 6:28:31 AM | 0.28 | 231 | 485 | 12 |
| 7/30/12 | 6:29:31 AM | 0.27 | 231 | 483 | 12 |
| 7/30/12 | 6:30:31 AM | 0.28 | 231 | 484 | 11 |
| 7/30/12 | 6:31:31 AM | 0.28 | 230 | 484 | 11 |
| 7/30/12 | 6:32:31 AM | 0.28 | 230 | 483 | 12 |
| 7/30/12 | 6:33:31 AM | 0.28 | 230 | 483 | 12 |
| 7/30/12 | 6:34:31 AM | 0.28 | 231 | 483 | 12 |
| 7/30/12 | 6:35:31 AM | 0.28 | 231 | 484 | 12 |
| 7/30/12 | 6:36:31 AM | 0.28 | 230 | 482 | 12 |
| 7/30/12 | 6:37:31 AM | 0.28 | 230 | 483 | 12 |
| 7/30/12 | 6:38:31 AM | 0.27 | 231 | 483 | 12 |
| 7/30/12 | 6:39:31 AM | 0.28 | 231 | 483 | 12 |
| 7/30/12 | 6:40:31 AM | 0.28 | 231 | 483 | 12 |
| 7/30/12 | 6:41:31 AM | 0.28 | 230 | 483 | 12 |
| 7/30/12 | 6:42:31 AM | 0.28 | 230 | 482 | 12 |
| 7/30/12 | 6:43:31 AM | 0.28 | 231 | 482 | 12 |
| 7/30/12 | 6:44:31 AM | 0.28 | 231 | 482 | 12 |
| 7/30/12 | 6:45:31 AM | 0.28 | 230 | 482 | 11 |
| 7/30/12 | 6:46:31 AM | 0.28 | 230 | 482 | 11 |
| 7/30/12 | 6:47:31 AM | 0.28 | 231 | 482 | 11 |
| 7/30/12 | 6:48:31 AM | 0.28 | 230 | 481 | 11 |
| 7/30/12 | 6:49:31 AM | 0.28 | 231 | 482 | 11 |
| 7/30/12 | 6:50:31 AM | 0.28 | 231 | 482 | 11 |
| 7/30/12 | 6:51:31 AM | 0.28 | 231 | 482 | 11 |
| 7/30/12 | 6:52:31 AM | 0.28 | 231 | 483 | 11 |
| 7/30/12 | 6:53:31 AM | 0.28 | 231 | 483 | 11 |
| 7/30/12 | 6:54:31 AM | 0.28 | 231 | 484 | 11 |
| 7/30/12 | 6:55:31 AM | 0.28 | 232 | 484 | 11 |
| 7/30/12 | 6:56:31 AM | 0.28 | 231 | 485 | 11 |
| 7/30/12 | 6:57:31 AM | 0.28 | 232 | 487 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 6:58:31 AM | 0.28 | 232 | 488 | 11 |
| 7/30/12 | 6:59:31 AM | 0.28 | 232 | 488 | 11 |
| 7/30/12 | 7:00:31 AM | 0.28 | 232 | 487 | 11 |
| 7/30/12 | 7:01:31 AM | 0.28 | 232 | 487 | 11 |
| 7/30/12 | 7:02:31 AM | 0.28 | 232 | 486 | 11 |
| 7/30/12 | 7:03:31 AM | 0.28 | 232 | 484 | 11 |
| 7/30/12 | 7:04:31 AM | 0.28 | 231 | 483 | 11 |
| 7/30/12 | 7:05:31 AM | 0.28 | 232 | 483 | 11 |
| 7/30/12 | 7:06:31 AM | 0.28 | 231 | 484 | 11 |
| 7/30/12 | 7:07:31 AM | 0.28 | 231 | 485 | 11 |
| 7/30/12 | 7:08:31 AM | 0.28 | 231 | 485 | 11 |
| 7/30/12 | 7:09:31 AM | 0.28 | 232 | 486 | 11 |
| 7/30/12 | 7:10:31 AM | 0.28 | 232 | 483 | 11 |
| 7/30/12 | 7:11:31 AM | 0.28 | 231 | 484 | 11 |
| 7/30/12 | 7:12:31 AM | 0.28 | 232 | 486 | 11 |
| 7/30/12 | 7:13:31 AM | 0.28 | 233 | 487 | 11 |
| 7/30/12 | 7:14:31 AM | 0.28 | 233 | 487 | 11 |
| 7/30/12 | 7:15:31 AM | 0.28 | 233 | 486 | 11 |
| 7/30/12 | 7:16:31 AM | 0.28 | 232 | 486 | 11 |
| 7/30/12 | 7:17:31 AM | 0.28 | 232 | 486 | 11 |
| 7/30/12 | 7:18:31 AM | 0.28 | 231 | 486 | 11 |
| 7/30/12 | 7:19:31 AM | 0.28 | 231 | 487 | 11 |
| 7/30/12 | 7:20:31 AM | 0.28 | 231 | 487 | 11 |
| 7/30/12 | 7:21:31 AM | 0.28 | 231 | 487 | 11 |
| 7/30/12 | 7:22:31 AM | 0.28 | 232 | 488 | 11 |
| 7/30/12 | 7:23:31 AM | 0.28 | 233 | 489 | 11 |
| 7/30/12 | 7:24:31 AM | 0.28 | 233 | 489 | 11 |
| 7/30/12 | 7:25:31 AM | 0.28 | 233 | 490 | 11 |
| 7/30/12 | 7:26:31 AM | 0.28 | 234 | 489 | 11 |
| 7/30/12 | 7:27:31 AM | 0.28 | 234 | 488 | 11 |
| 7/30/12 | 7:28:31 AM | 0.28 | 234 | 490 | 11 |
| 7/30/12 | 7:29:31 AM | 0.28 | 234 | 489 | 11 |
| 7/30/12 | 7:30:31 AM | 0.28 | 234 | 491 | 11 |
| 7/30/12 | 7:31:31 AM | 0.28 | 234 | 489 | 11 |
| 7/30/12 | 7:32:31 AM | 0.28 | 235 | 490 | 11 |
| 7/30/12 | 7:33:31 AM | 0.28 | 235 | 491 | 11 |
| 7/30/12 | 7:34:31 AM | 0.28 | 234 | 491 | 11 |
| 7/30/12 | 7:35:31 AM | 0.28 | 233 | 489 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 7:36:31 AM | 0.28 | 232 | 488 | 11 |
| 7/30/12 | 7:37:31 AM | 0.28 | 232 | 486 | 11 |
| 7/30/12 | 7:38:31 AM | 0.28 | 233 | 487 | 11 |
| 7/30/12 | 7:39:31 AM | 0.28 | 233 | 489 | 11 |
| 7/30/12 | 7:40:31 AM | 0.28 | 232 | 487 | 11 |
| 7/30/12 | 7:41:31 AM | 0.28 | 233 | 487 | 11 |
| 7/30/12 | 7:42:31 AM | 0.28 | 232 | 487 | 11 |
| 7/30/12 | 7:43:31 AM | 0.28 | 231 | 486 | 11 |
| 7/30/12 | 7:44:31 AM | 0.28 | 230 | 484 | 11 |
| 7/30/12 | 7:45:31 AM | 0.29 | 230 | 481 | 11 |
| 7/30/12 | 7:46:31 AM | 0.28 | 231 | 482 | 11 |
| 7/30/12 | 7:47:31 AM | 0.28 | 231 | 483 | 11 |
| 7/30/12 | 7:48:31 AM | 0.28 | 231 | 483 | 11 |
| 7/30/12 | 7:49:31 AM | 0.28 | 230 | 482 | 11 |
| 7/30/12 | 7:50:31 AM | 0.28 | 230 | 483 | 11 |
| 7/30/12 | 7:51:31 AM | 0.28 | 230 | 485 | 11 |
| 7/30/12 | 7:52:31 AM | 0.28 | 230 | 485 | 11 |
| 7/30/12 | 7:53:31 AM | 0.28 | 229 | 486 | 11 |
| 7/30/12 | 7:54:31 AM | 0.28 | 230 | 485 | 11 |
| 7/30/12 | 7:55:31 AM | 0.28 | 231 | 484 | 11 |
| 7/30/12 | 7:56:31 AM | 0.28 | 231 | 486 | 11 |
| 7/30/12 | 7:57:31 AM | 0.29 | 231 | 486 | 11 |
| 7/30/12 | 7:58:31 AM | 0.29 | 231 | 486 | 11 |
| 7/30/12 | 7:59:31 AM | 0.28 | 231 | 488 | 11 |
| 7/30/12 | 8:00:31 AM | 0.28 | 232 | 487 | 11 |
| 7/30/12 | 8:01:31 AM | 0.29 | 232 | 488 | 11 |
| 7/30/12 | 8:02:31 AM | 0.28 | 231 | 489 | 11 |
| 7/30/12 | 8:03:31 AM | 0.29 | 231 | 489 | 11 |
| 7/30/12 | 8:04:31 AM | 0.28 | 231 | 490 | 11 |
| 7/30/12 | 8:05:31 AM | 0.28 | 231 | 489 | 11 |
| 7/30/12 | 8:06:31 AM | 0.28 | 231 | 491 | 11 |
| 7/30/12 | 8:07:31 AM | 0.28 | 231 | 490 | 11 |
| 7/30/12 | 8:08:31 AM | 0.28 | 231 | 491 | 11 |
| 7/30/12 | 8:09:31 AM | 0.28 | 231 | 492 | 11 |
| 7/30/12 | 8:10:31 AM | 0.28 | 231 | 492 | 11 |
| 7/30/12 | 8:11:31 AM | 0.28 | 231 | 493 | 11 |
| 7/30/12 | 8:12:31 AM | 0.28 | 230 | 493 | 11 |
| 7/30/12 | 8:13:31 AM | 0.28 | 230 | 492 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 8:14:31 AM | 0.28 | 230 | 492 | 11 |
| 7/30/12 | 8:15:31 AM | 0.28 | 229 | 492 | 11 |
| 7/30/12 | 8:16:31 AM | 0.28 | 229 | 492 | 11 |
| 7/30/12 | 8:17:31 AM | 0.28 | 229 | 491 | 11 |
| 7/30/12 | 8:18:31 AM | 0.28 | 230 | 491 | 11 |
| 7/30/12 | 8:19:31 AM | 0.28 | 231 | 492 | 11 |
| 7/30/12 | 8:20:31 AM | 0.28 | 230 | 493 | 11 |
| 7/30/12 | 8:21:31 AM | 0.28 | 230 | 494 | 11 |
| 7/30/12 | 8:22:31 AM | 0.28 | 229 | 493 | 11 |
| 7/30/12 | 8:23:31 AM | 0.28 | 229 | 492 | 11 |
| 7/30/12 | 8:24:31 AM | 0.28 | 230 | 493 | 11 |
| 7/30/12 | 8:25:31 AM | 0.28 | 231 | 494 | 11 |
| 7/30/12 | 8:26:31 AM | 0.28 | 232 | 496 | 11 |
| 7/30/12 | 8:27:31 AM | 0.28 | 232 | 497 | 11 |
| 7/30/12 | 8:28:31 AM | 0.28 | 232 | 498 | 11 |
| 7/30/12 | 8:29:31 AM | 0.28 | 233 | 500 | 11 |
| 7/30/12 | 8:30:31 AM | 0.29 | 233 | 502 | 11 |
| 7/30/12 | 8:31:31 AM | 0.28 | 232 | 502 | 11 |
| 7/30/12 | 8:32:31 AM | 0.28 | 232 | 501 | 11 |
| 7/30/12 | 8:33:31 AM | 0.28 | 233 | 503 | 11 |
| 7/30/12 | 8:34:31 AM | 0.28 | 234 | 504 | 11 |
| 7/30/12 | 8:35:31 AM | 0.28 | 234 | 504 | 11 |
| 7/30/12 | 8:36:31 AM | 0.28 | 234 | 502 | 11 |
| 7/30/12 | 8:37:31 AM | 0.28 | 234 | 503 | 11 |
| 7/30/12 | 8:38:31 AM | 0.27 | 235 | 506 | 11 |
| 7/30/12 | 8:39:31 AM | 0.28 | 235 | 505 | 11 |
| 7/30/12 | 8:40:31 AM | 0.27 | 236 | 507 | 11 |
| 7/30/12 | 8:41:31 AM | 0.28 | 236 | 510 | 11 |
| 7/30/12 | 8:42:31 AM | 0.28 | 237 | 512 | 11 |
| 7/30/12 | 8:43:31 AM | 0.27 | 237 | 514 | 11 |
| 7/30/12 | 8:44:31 AM | 0.28 | 237 | 515 | 11 |
| 7/30/12 | 8:45:31 AM | 0.28 | 236 | 515 | 11 |
| 7/30/12 | 8:46:31 AM | 0.28 | 235 | 515 | 11 |
| 7/30/12 | 8:47:31 AM | 0.28 | 235 | 514 | 11 |
| 7/30/12 | 8:48:31 AM | 0.28 | 236 | 515 | 11 |
| 7/30/12 | 8:49:31 AM | 0.28 | 236 | 516 | 11 |
| 7/30/12 | 8:50:31 AM | 0.27 | 235 | 517 | 11 |
| 7/30/12 | 8:51:31 AM | 0.28 | 234 | 515 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 8:52:31 AM | 0.28 | 233 | 515 | 11 |
| 7/30/12 | 8:53:31 AM | 0.28 | 232 | 514 | 11 |
| 7/30/12 | 8:54:31 AM | 0.28 | 232 | 514 | 11 |
| 7/30/12 | 8:55:31 AM | 0.28 | 232 | 514 | 11 |
| 7/30/12 | 8:56:31 AM | 0.28 | 232 | 515 | 11 |
| 7/30/12 | 8:57:31 AM | 0.29 | 231 | 514 | 11 |
| 7/30/12 | 8:58:31 AM | 0.28 | 231 | 512 | 11 |
| 7/30/12 | 8:59:31 AM | 0.28 | 231 | 513 | 11 |
| 7/30/12 | 9:00:31 AM | 0.28 | 231 | 515 | 11 |
| 7/30/12 | 9:01:31 AM | 0.28 | 230 | 514 | 11 |
| 7/30/12 | 9:02:31 AM | 0.28 | 230 | 515 | 11 |
| 7/30/12 | 9:03:31 AM | 0.28 | 229 | 516 | 11 |
| 7/30/12 | 9:04:31 AM | 0.28 | 230 | 516 | 11 |
| 7/30/12 | 9:05:31 AM | 0.28 | 231 | 517 | 11 |
| 7/30/12 | 9:06:31 AM | 0.28 | 231 | 518 | 11 |
| 7/30/12 | 9:07:31 AM | 0.27 | 232 | 520 | 11 |
| 7/30/12 | 9:08:31 AM | 0.27 | 232 | 521 | 12 |
| 7/30/12 | 9:09:31 AM | 0.28 | 233 | 521 | 12 |
| 7/30/12 | 9:10:31 AM | 0.28 | 233 | 522 | 12 |
| 7/30/12 | 9:11:31 AM | 0.28 | 233 | 522 | 12 |
| 7/30/12 | 9:12:31 AM | 0.27 | 234 | 522 | 12 |
| 7/30/12 | 9:13:31 AM | 0.28 | 235 | 523 | 12 |
| 7/30/12 | 9:14:31 AM | 0.28 | 235 | 526 | 12 |
| 7/30/12 | 9:15:31 AM | 0.28 | 235 | 526 | 11 |
| 7/30/12 | 9:16:31 AM | 0.28 | 235 | 527 | 11 |
| 7/30/12 | 9:17:31 AM | 0.28 | 234 | 527 | 11 |
| 7/30/12 | 9:18:31 AM | 0.28 | 234 | 529 | 11 |
| 7/30/12 | 9:19:31 AM | 0.28 | 234 | 530 | 11 |
| 7/30/12 | 9:20:31 AM | 0.28 | 233 | 530 | 12 |
| 7/30/12 | 9:21:31 AM | 0.28 | 234 | 531 | 12 |
| 7/30/12 | 9:22:31 AM | 0.28 | 234 | 532 | 12 |
| 7/30/12 | 9:23:31 AM | 0.28 | 233 | 533 | 12 |
| 7/30/12 | 9:24:31 AM | 0.28 | 232 | 530 | 12 |
| 7/30/12 | 9:25:31 AM | 0.28 | 231 | 528 | 12 |
| 7/30/12 | 9:26:31 AM | 0.29 | 230 | 528 | 12 |
| 7/30/12 | 9:27:31 AM | 0.28 | 230 | 529 | 11 |
| 7/30/12 | 9:28:31 AM | 0.28 | 231 | 529 | 11 |
| 7/30/12 | 9:29:31 AM | 0.28 | 231 | 529 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 9:30:31 AM | 0.28 | 231 | 530 | 12 |
| 7/30/12 | 9:31:31 AM | 0.28 | 230 | 529 | 12 |
| 7/30/12 | 9:32:31 AM | 0.28 | 230 | 530 | 12 |
| 7/30/12 | 9:33:31 AM | 0.28 | 231 | 529 | 12 |
| 7/30/12 | 9:34:31 AM | 0.28 | 231 | 530 | 12 |
| 7/30/12 | 9:35:31 AM | 0.28 | 231 | 531 | 12 |
| 7/30/12 | 9:36:31 AM | 0.29 | 232 | 533 | 12 |
| 7/30/12 | 9:37:31 AM | 0.28 | 232 | 533 | 12 |
| 7/30/12 | 9:38:31 AM | 0.28 | 233 | 535 | 12 |
| 7/30/12 | 9:39:31 AM | 0.28 | 234 | 536 | 12 |
| 7/30/12 | 9:40:31 AM | 0.28 | 235 | 538 | 12 |
| 7/30/12 | 9:41:31 AM | 0.28 | 235 | 536 | 12 |
| 7/30/12 | 9:42:31 AM | 0.28 | 236 | 536 | 12 |
| 7/30/12 | 9:43:31 AM | 0.27 | 235 | 538 | 12 |
| 7/30/12 | 9:44:31 AM | 0.28 | 233 | 536 | 12 |
| 7/30/12 | 9:45:31 AM | 0.28 | 234 | 535 | 12 |
| 7/30/12 | 9:46:31 AM | 0.28 | 235 | 536 | 12 |
| 7/30/12 | 9:47:31 AM | 0.28 | 236 | 537 | 12 |
| 7/30/12 | 9:48:31 AM | 0.27 | 235 | 539 | 12 |
| 7/30/12 | 9:49:31 AM | 0.27 | 233 | 540 | 12 |
| 7/30/12 | 9:50:31 AM | 0.28 | 231 | 538 | 12 |
| 7/30/12 | 9:51:31 AM | 0.28 | 230 | 536 | 12 |
| 7/30/12 | 9:52:31 AM | 0.28 | 230 | 532 | 12 |
| 7/30/12 | 9:53:31 AM | 0.27 | 230 | 533 | 12 |
| 7/30/12 | 9:54:31 AM | 0.28 | 230 | 534 | 12 |
| 7/30/12 | 9:55:31 AM | 0.28 | 230 | 532 | 12 |
| 7/30/12 | 9:56:31 AM | 0.28 | 230 | 533 | 12 |
| 7/30/12 | 9:57:31 AM | 0.28 | 231 | 534 | 12 |
| 7/30/12 | 9:58:31 AM | 0.28 | 230 | 533 | 12 |
| 7/30/12 | 9:59:31 AM | 0.28 | 229 | 532 | 12 |
| 7/30/12 | 10:00:31 AM | 0.28 | 230 | 531 | 12 |
| 7/30/12 | 10:01:31 AM | 0.28 | 231 | 531 | 12 |
| 7/30/12 | 10:02:31 AM | 0.28 | 232 | 532 | 12 |
| 7/30/12 | 10:03:31 AM | 0.28 | 232 | 534 | 12 |
| 7/30/12 | 10:04:31 AM | 0.27 | 233 | 533 | 12 |
| 7/30/12 | 10:05:31 AM | 0.28 | 233 | 533 | 12 |
| 7/30/12 | 10:06:31 AM | 0.28 | 232 | 535 | 12 |
| 7/30/12 | 10:07:31 AM | 0.27 | 232 | 534 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 10:08:31 AM | 0.27 | 233 | 535 | 12 |
| 7/30/12 | 10:09:31 AM | 0.28 | 235 | 537 | 12 |
| 7/30/12 | 10:10:31 AM | 0.28 | 235 | 538 | 12 |
| 7/30/12 | 10:11:31 AM | 0.28 | 235 | 539 | 12 |
| 7/30/12 | 10:12:31 AM | 0.28 | 233 | 540 | 12 |
| 7/30/12 | 10:13:31 AM | 0.28 | 232 | 538 | 12 |
| 7/30/12 | 10:14:31 AM | 0.27 | 232 | 537 | 12 |
| 7/30/12 | 10:15:31 AM | 0.27 | 232 | 537 | 12 |
| 7/30/12 | 10:16:31 AM | 0.28 | 231 | 536 | 12 |
| 7/30/12 | 10:17:31 AM | 0.28 | 233 | 536 | 12 |
| 7/30/12 | 10:18:31 AM | 0.28 | 234 | 536 | 12 |
| 7/30/12 | 10:19:31 AM | 0.28 | 234 | 537 | 12 |
| 7/30/12 | 10:20:31 AM | 0.27 | 234 | 538 | 12 |
| 7/30/12 | 10:21:31 AM | 0.27 | 234 | 536 | 12 |
| 7/30/12 | 10:22:31 AM | 0.28 | 233 | 536 | 12 |
| 7/30/12 | 10:23:31 AM | 0.28 | 233 | 536 | 12 |
| 7/30/12 | 10:24:31 AM | 0.27 | 232 | 537 | 12 |
| 7/30/12 | 10:25:31 AM | 0.28 | 233 | 536 | 12 |
| 7/30/12 | 10:26:31 AM | 0.27 | 232 | 535 | 12 |
| 7/30/12 | 10:27:31 AM | 0.28 | 233 | 532 | 12 |
| 7/30/12 | 10:28:31 AM | 0.28 | 234 | 530 | 12 |
| 7/30/12 | 10:29:31 AM | 0.27 | 234 | 531 | 12 |
| 7/30/12 | 10:30:31 AM | 0.28 | 234 | 530 | 12 |
| 7/30/12 | 10:31:31 AM | 0.27 | 234 | 530 | 12 |
| 7/30/12 | 10:32:31 AM | 0.28 | 234 | 532 | 12 |
| 7/30/12 | 10:33:31 AM | 0.27 | 235 | 533 | 12 |
| 7/30/12 | 10:34:31 AM | 0.28 | 236 | 533 | 12 |
| 7/30/12 | 10:35:31 AM | 0.28 | 234 | 533 | 12 |
| 7/30/12 | 10:36:31 AM | 0.28 | 234 | 532 | 12 |
| 7/30/12 | 10:37:31 AM | 0.27 | 235 | 534 | 12 |
| 7/30/12 | 10:38:31 AM | 0.27 | 236 | 536 | 12 |
| 7/30/12 | 10:39:31 AM | 0.27 | 236 | 537 | 12 |
| 7/30/12 | 10:40:31 AM | 0.27 | 236 | 536 | 12 |
| 7/30/12 | 10:41:31 AM | 0.27 | 237 | 537 | 12 |
| 7/30/12 | 10:42:31 AM | 0.27 | 238 | 537 | 12 |
| 7/30/12 | 10:43:31 AM | 0.27 | 238 | 538 | 12 |
| 7/30/12 | 10:44:31 AM | 0.27 | 238 | 539 | 12 |
| 7/30/12 | 10:45:31 AM | 0.28 | 239 | 541 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 10:46:31 AM | 0.27 | 238 | 541 | 12 |
| 7/30/12 | 10:47:31 AM | 0.27 | 236 | 540 | 12 |
| 7/30/12 | 10:48:31 AM | 0.28 | 236 | 539 | 12 |
| 7/30/12 | 10:49:31 AM | 0.27 | 235 | 537 | 12 |
| 7/30/12 | 10:50:31 AM | 0.27 | 235 | 536 | 12 |
| 7/30/12 | 10:51:31 AM | 0.27 | 235 | 537 | 12 |
| 7/30/12 | 10:52:31 AM | 0.27 | 236 | 537 | 12 |
| 7/30/12 | 10:53:31 AM | 0.27 | 237 | 538 | 12 |
| 7/30/12 | 10:54:31 AM | 0.27 | 236 | 537 | 12 |
| 7/30/12 | 10:55:31 AM | 0.28 | 236 | 536 | 12 |
| 7/30/12 | 10:56:31 AM | 0.27 | 236 | 536 | 12 |
| 7/30/12 | 10:57:31 AM | 0.27 | 237 | 536 | 12 |
| 7/30/12 | 10:58:31 AM | 0.27 | 238 | 538 | 12 |
| 7/30/12 | 10:59:31 AM | 0.28 | 238 | 538 | 12 |
| 7/30/12 | 11:00:31 AM | 0.27 | 239 | 540 | 12 |
| 7/30/12 | 11:01:31 AM | 0.27 | 238 | 540 | 12 |
| 7/30/12 | 11:02:31 AM | 0.27 | 237 | 538 | 12 |
| 7/30/12 | 11:03:31 AM | 0.28 | 236 | 538 | 12 |
| 7/30/12 | 11:04:31 AM | 0.27 | 236 | 537 | 12 |
| 7/30/12 | 11:05:31 AM | 0.28 | 237 | 536 | 12 |
| 7/30/12 | 11:06:31 AM | 0.27 | 238 | 538 | 12 |
| 7/30/12 | 11:07:31 AM | 0.27 | 238 | 538 | 12 |
| 7/30/12 | 11:08:31 AM | 0.27 | 237 | 536 | 12 |
| 7/30/12 | 11:09:31 AM | 0.27 | 236 | 534 | 12 |
| 7/30/12 | 11:10:31 AM | 0.28 | 236 | 535 | 12 |
| 7/30/12 | 11:11:31 AM | 0.28 | 235 | 534 | 12 |
| 7/30/12 | 11:12:31 AM | 0.27 | 234 | 532 | 13 |
| 7/30/12 | 11:13:31 AM | 0.28 | 233 | 530 | 13 |
| 7/30/12 | 11:14:31 AM | 0.27 | 233 | 530 | 13 |
| 7/30/12 | 11:15:31 AM | 0.27 | 234 | 529 | 13 |
| 7/30/12 | 11:16:31 AM | 0.28 | 234 | 530 | 13 |
| 7/30/12 | 11:17:31 AM | 0.28 | 233 | 527 | 13 |
| 7/30/12 | 11:18:31 AM | 0.28 | 233 | 526 | 13 |
| 7/30/12 | 11:19:31 AM | 0.27 | 232 | 526 | 13 |
| 7/30/12 | 11:20:31 AM | 0.28 | 232 | 523 | 13 |
| 7/30/12 | 11:21:31 AM | 0.28 | 233 | 524 | 13 |
| 7/30/12 | 11:22:31 AM | 0.28 | 233 | 525 | 13 |
| 7/30/12 | 11:23:31 AM | 0.27 | 233 | 522 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 11:24:31 AM | 0.28 | 232 | 521 | 12 |
| 7/30/12 | 11:25:31 AM | 0.28 | 231 | 521 | 12 |
| 7/30/12 | 11:26:31 AM | 0.27 | 231 | 519 | 12 |
| 7/30/12 | 11:27:31 AM | 0.28 | 231 | 519 | 13 |
| 7/30/12 | 11:28:31 AM | 0.28 | 230 | 518 | 13 |
| 7/30/12 | 11:29:31 AM | 0.28 | 230 | 518 | 13 |
| 7/30/12 | 11:30:31 AM | 0.27 | 231 | 519 | 13 |
| 7/30/12 | 11:31:31 AM | 0.28 | 230 | 521 | 13 |
| 7/30/12 | 11:32:31 AM | 0.27 | 228 | 519 | 13 |
| 7/30/12 | 11:33:31 AM | 0.28 | 227 | 516 | 13 |
| 7/30/12 | 11:34:31 AM | 0.28 | 228 | 512 | 13 |
| 7/30/12 | 11:35:31 AM | 0.28 | 227 | 514 | 12 |
| 7/30/12 | 11:36:31 AM | 0.28 | 227 | 512 | 12 |
| 7/30/12 | 11:37:31 AM | 0.28 | 228 | 514 | 12 |
| 7/30/12 | 11:38:31 AM | 0.28 | 227 | 514 | 12 |
| 7/30/12 | 11:39:31 AM | 0.28 | 227 | 515 | 13 |
| 7/30/12 | 11:40:31 AM | 0.28 | 227 | 512 | 13 |
| 7/30/12 | 11:41:31 AM | 0.28 | 228 | 512 | 12 |
| 7/30/12 | 11:42:31 AM | 0.28 | 227 | 510 | 12 |
| 7/30/12 | 11:43:31 AM | 0.28 | 226 | 509 | 12 |
| 7/30/12 | 11:44:31 AM | 0.28 | 226 | 511 | 12 |
| 7/30/12 | 11:45:31 AM | 0.28 | 226 | 512 | 12 |
| 7/30/12 | 11:46:31 AM | 0.28 | 226 | 511 | 12 |
| 7/30/12 | 11:47:31 AM | 0.28 | 226 | 512 | 12 |
| 7/30/12 | 11:48:31 AM | 0.27 | 227 | 513 | 12 |
| 7/30/12 | 11:49:31 AM | 0.28 | 227 | 513 | 12 |
| 7/30/12 | 11:50:31 AM | 0.28 | 227 | 514 | 12 |
| 7/30/12 | 11:51:31 AM | 0.27 | 228 | 522 | 12 |
| 7/30/12 | 11:52:31 AM | 0.28 | 228 | 529 | 12 |
| 7/30/12 | 11:53:31 AM | 0.28 | 228 | 539 | 12 |
| 7/30/12 | 11:54:31 AM | 0.28 | 226 | 541 | 13 |
| 7/30/12 | 11:55:31 AM | 0.28 | 226 | 539 | 13 |
| 7/30/12 | 11:56:31 AM | 0.28 | 225 | 538 | 13 |
| 7/30/12 | 11:57:31 AM | 0.28 | 225 | 541 | 13 |
| 7/30/12 | 11:58:31 AM | 0.28 | 226 | 540 | 13 |
| 7/30/12 | 11:59:31 AM | 0.28 | 228 | 544 | 13 |
| 7/30/12 | 12:00:31 PM | 0.28 | 230 | 547 | 13 |
| 7/30/12 | 12:01:31 PM | 0.28 | 231 | 550 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 12:02:31 PM | 0.28 | 229 | 548 | 13 |
| 7/30/12 | 12:03:31 PM | 0.28 | 227 | 546 | 13 |
| 7/30/12 | 12:04:31 PM | 0.28 | 226 | 543 | 13 |
| 7/30/12 | 12:05:31 PM | 0.28 | 228 | 542 | 13 |
| 7/30/12 | 12:06:31 PM | 0.28 | 227 | 542 | 13 |
| 7/30/12 | 12:07:31 PM | 0.28 | 228 | 542 | 13 |
| 7/30/12 | 12:08:31 PM | 0.28 | 229 | 545 | 13 |
| 7/30/12 | 12:09:31 PM | 0.28 | 228 | 542 | 13 |
| 7/30/12 | 12:10:31 PM | 0.28 | 227 | 539 | 13 |
| 7/30/12 | 12:11:31 PM | 0.29 | 226 | 538 | 12 |
| 7/30/12 | 12:12:31 PM | 0.28 | 225 | 536 | 12 |
| 7/30/12 | 12:13:31 PM | 0.28 | 224 | 533 | 12 |
| 7/30/12 | 12:14:31 PM | 0.29 | 225 | 536 | 12 |
| 7/30/12 | 12:15:31 PM | 0.28 | 224 | 537 | 12 |
| 7/30/12 | 12:16:31 PM | 0.28 | 224 | 535 | 12 |
| 7/30/12 | 12:17:31 PM | 0.27 | 225 | 536 | 12 |
| 7/30/12 | 12:18:31 PM | 0.28 | 227 | 538 | 13 |
| 7/30/12 | 12:19:31 PM | 0.28 | 227 | 539 | 13 |
| 7/30/12 | 12:20:31 PM | 0.28 | 227 | 541 | 13 |
| 7/30/12 | 12:21:31 PM | 0.28 | 225 | 540 | 13 |
| 7/30/12 | 12:22:31 PM | 0.28 | 224 | 536 | 13 |
| 7/30/12 | 12:23:31 PM | 0.28 | 224 | 535 | 13 |
| 7/30/12 | 12:24:31 PM | 0.28 | 224 | 534 | 13 |
| 7/30/12 | 12:25:31 PM | 0.28 | 224 | 534 | 13 |
| 7/30/12 | 12:26:31 PM | 0.28 | 225 | 533 | 13 |
| 7/30/12 | 12:27:31 PM | 0.28 | 225 | 533 | 13 |
| 7/30/12 | 12:28:31 PM | 0.28 | 225 | 535 | 13 |
| 7/30/12 | 12:29:31 PM | 0.28 | 225 | 536 | 13 |
| 7/30/12 | 12:30:31 PM | 0.28 | 225 | 536 | 13 |
| 7/30/12 | 12:31:31 PM | 0.28 | 225 | 535 | 13 |
| 7/30/12 | 12:32:31 PM | 0.28 | 224 | 533 | 13 |
| 7/30/12 | 12:33:31 PM | 0.28 | 225 | 533 | 13 |
| 7/30/12 | 12:34:31 PM | 0.28 | 226 | 533 | 13 |
| 7/30/12 | 12:35:31 PM | 0.28 | 225 | 531 | 13 |
| 7/30/12 | 12:36:31 PM | 0.28 | 226 | 531 | 13 |
| 7/30/12 | 12:37:31 PM | 0.28 | 224 | 530 | 13 |
| 7/30/12 | 12:38:31 PM | 0.28 | 224 | 530 | 13 |
| 7/30/12 | 12:39:31 PM | 0.27 | 223 | 530 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 12:40:31 PM | 0.28 | 222 | 527 | 13 |
| 7/30/12 | 12:41:31 PM | 0.28 | 222 | 525 | 13 |
| 7/30/12 | 12:42:31 PM | 0.28 | 222 | 527 | 13 |
| 7/30/12 | 12:43:31 PM | 0.28 | 222 | 527 | 13 |
| 7/30/12 | 12:44:31 PM | 0.28 | 222 | 526 | 13 |
| 7/30/12 | 12:45:31 PM | 0.28 | 222 | 526 | 13 |
| 7/30/12 | 12:46:31 PM | 0.28 | 222 | 524 | 13 |
| 7/30/12 | 12:47:31 PM | 0.28 | 222 | 524 | 13 |
| 7/30/12 | 12:48:31 PM | 0.28 | 223 | 527 | 13 |
| 7/30/12 | 12:49:31 PM | 0.28 | 225 | 528 | 13 |
| 7/30/12 | 12:50:31 PM | 0.28 | 226 | 528 | 13 |
| 7/30/12 | 12:51:31 PM | 0.28 | 226 | 529 | 13 |
| 7/30/12 | 12:52:31 PM | 0.28 | 225 | 529 | 13 |
| 7/30/12 | 12:53:31 PM | 0.28 | 225 | 529 | 13 |
| 7/30/12 | 12:54:31 PM | 0.28 | 225 | 527 | 13 |
| 7/30/12 | 12:55:31 PM | 0.28 | 226 | 526 | 13 |
| 7/30/12 | 12:56:31 PM | 0.28 | 225 | 525 | 13 |
| 7/30/12 | 12:57:31 PM | 0.28 | 225 | 523 | 13 |
| 7/30/12 | 12:58:31 PM | 0.28 | 223 | 521 | 13 |
| 7/30/12 | 12:59:31 PM | 0.28 | 223 | 519 | 13 |
| 7/30/12 | 1:00:31 PM | 0.28 | 223 | 519 | 13 |
| 7/30/12 | 1:01:31 PM | 0.28 | 223 | 521 | 13 |
| 7/30/12 | 1:02:31 PM | 0.28 | 223 | 520 | 13 |
| 7/30/12 | 1:03:31 PM | 0.28 | 223 | 519 | 13 |
| 7/30/12 | 1:04:31 PM | 0.28 | 223 | 518 | 13 |
| 7/30/12 | 1:05:31 PM | 0.28 | 222 | 516 | 13 |
| 7/30/12 | 1:06:31 PM | 0.28 | 222 | 514 | 13 |
| 7/30/12 | 1:07:31 PM | 0.28 | 223 | 515 | 13 |
| 7/30/12 | 1:08:31 PM | 0.28 | 223 | 516 | 13 |
| 7/30/12 | 1:09:31 PM | 0.28 | 223 | 516 | 13 |
| 7/30/12 | 1:10:31 PM | 0.29 | 222 | 514 | 13 |
| 7/30/12 | 1:11:31 PM | 0.28 | 221 | 513 | 13 |
| 7/30/12 | 1:12:31 PM | 0.28 | 221 | 512 | 13 |
| 7/30/12 | 1:13:31 PM | 0.28 | 221 | 510 | 13 |
| 7/30/12 | 1:14:31 PM | 0.28 | 220 | 511 | 13 |
| 7/30/12 | 1:15:31 PM | 0.28 | 220 | 508 | 13 |
| 7/30/12 | 1:16:31 PM | 0.28 | 221 | 508 | 13 |
| 7/30/12 | 1:17:31 PM | 0.28 | 221 | 510 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 1:18:31 PM | 0.28 | 221 | 510 | 13 |
| 7/30/12 | 1:19:31 PM | 0.29 | 219 | 508 | 13 |
| 7/30/12 | 1:20:31 PM | 0.28 | 218 | 507 | 13 |
| 7/30/12 | 1:21:31 PM | 0.29 | 219 | 504 | 13 |
| 7/30/12 | 1:22:31 PM | 0.28 | 218 | 503 | 13 |
| 7/30/12 | 1:23:31 PM | 0.28 | 219 | 501 | 13 |
| 7/30/12 | 1:24:31 PM | 0.28 | 218 | 503 | 13 |
| 7/30/12 | 1:25:31 PM | 0.29 | 218 | 504 | 13 |
| 7/30/12 | 1:26:31 PM | 0.28 | 218 | 501 | 13 |
| 7/30/12 | 1:27:31 PM | 0.29 | 218 | 500 | 13 |
| 7/30/12 | 1:28:31 PM | 0.28 | 219 | 503 | 13 |
| 7/30/12 | 1:29:31 PM | 0.28 | 219 | 500 | 13 |
| 7/30/12 | 1:30:31 PM | 0.28 | 220 | 500 | 13 |
| 7/30/12 | 1:31:31 PM | 0.28 | 220 | 501 | 13 |
| 7/30/12 | 1:32:31 PM | 0.28 | 221 | 502 | 13 |
| 7/30/12 | 1:33:31 PM | 0.28 | 222 | 502 | 13 |
| 7/30/12 | 1:34:31 PM | 0.28 | 222 | 502 | 13 |
| 7/30/12 | 1:35:31 PM | 0.28 | 222 | 503 | 13 |
| 7/30/12 | 1:36:31 PM | 0.28 | 222 | 502 | 13 |
| 7/30/12 | 1:37:31 PM | 0.29 | 221 | 500 | 13 |
| 7/30/12 | 1:38:31 PM | 0.29 | 222 | 498 | 13 |
| 7/30/12 | 1:39:31 PM | 0.28 | 221 | 499 | 13 |
| 7/30/12 | 1:40:31 PM | 0.29 | 220 | 497 | 13 |
| 7/30/12 | 1:41:31 PM | 0.29 | 219 | 498 | 13 |
| 7/30/12 | 1:42:31 PM | 0.28 | 219 | 497 | 13 |
| 7/30/12 | 1:43:31 PM | 0.29 | 219 | 496 | 13 |
| 7/30/12 | 1:44:31 PM | 0.29 | 219 | 496 | 13 |
| 7/30/12 | 1:45:31 PM | 0.28 | 219 | 496 | 13 |
| 7/30/12 | 1:46:31 PM | 0.29 | 219 | 493 | 13 |
| 7/30/12 | 1:47:31 PM | 0.28 | 218 | 494 | 13 |
| 7/30/12 | 1:48:31 PM | 0.28 | 219 | 491 | 13 |
| 7/30/12 | 1:49:31 PM | 0.28 | 220 | 493 | 13 |
| 7/30/12 | 1:50:31 PM | 0.29 | 222 | 496 | 13 |
| 7/30/12 | 1:51:31 PM | 0.28 | 222 | 502 | 13 |
| 7/30/12 | 1:52:31 PM | Start Calibration | | | |
| 7/30/12 | 1:53:31 PM | | | | |
| 7/30/12 | 1:54:31 PM | | | | |
| 7/30/12 | 1:55:31 PM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 1:56:31 PM | | | | |
| 7/30/12 | 1:57:31 PM | | | | |
| 7/30/12 | 1:58:31 PM | | | | |
| 7/30/12 | 1:59:31 PM | | | | |
| 7/30/12 | 2:00:31 PM | | | | |
| 7/30/12 | 2:01:31 PM | | | | |
| 7/30/12 | 2:02:31 PM | | | | |
| 7/30/12 | 2:03:31 PM | | | | |
| 7/30/12 | 2:04:31 PM | | | | |
| 7/30/12 | 2:05:31 PM | | | | |
| 7/30/12 | 2:06:31 PM | | | | |
| 7/30/12 | 2:07:31 PM | | | | |
| 7/30/12 | 2:08:31 PM | | | | |
| 7/30/12 | 2:09:31 PM | | | | |
| 7/30/12 | 2:10:31 PM | | | | |
| 7/30/12 | 2:11:31 PM | | | | |
| 7/30/12 | 2:12:31 PM | | | | |
| 7/30/12 | 2:13:31 PM | | | | |
| 7/30/12 | 2:14:31 PM | | | | |
| 7/30/12 | 2:15:31 PM | | | | |
| 7/30/12 | 2:16:31 PM | | | | |
| 7/30/12 | 2:17:31 PM | | | | |
| 7/30/12 | 2:18:31 PM | | | | |
| 7/30/12 | 2:19:31 PM | | | | |
| 7/30/12 | 2:20:31 PM | | | | |
| 7/30/12 | 2:21:31 PM | | | | |
| 7/30/12 | 2:22:31 PM | | | | |
| 7/30/12 | 2:23:31 PM | End Calibration | | | |
| 7/30/12 | 2:24:31 PM | 0.29 | 218 | 419 | 13 |
| 7/30/12 | 2:25:31 PM | 0.28 | 219 | 430 | 13 |
| 7/30/12 | 2:26:31 PM | 0.29 | 220 | 435 | 13 |
| 7/30/12 | 2:27:31 PM | 0.28 | 220 | 440 | 13 |
| 7/30/12 | 2:28:31 PM | 0.29 | 221 | 444 | 13 |
| 7/30/12 | 2:29:31 PM | 0.28 | 221 | 447 | 13 |
| 7/30/12 | 2:30:31 PM | 0.28 | 219 | 449 | 13 |
| 7/30/12 | 2:31:31 PM | 0.29 | 220 | 453 | 13 |
| 7/30/12 | 2:32:31 PM | 0.29 | 221 | 457 | 13 |
| 7/30/12 | 2:33:31 PM | 0.29 | 220 | 458 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 2:34:31 PM | 0.29 | 220 | 460 | 13 |
| 7/30/12 | 2:35:31 PM | 0.29 | 221 | 462 | 13 |
| 7/30/12 | 2:36:31 PM | 0.29 | 219 | 462 | 13 |
| 7/30/12 | 2:37:31 PM | 0.29 | 219 | 462 | 13 |
| 7/30/12 | 2:38:31 PM | 0.28 | 219 | 464 | 13 |
| 7/30/12 | 2:39:31 PM | 0.28 | 219 | 467 | 13 |
| 7/30/12 | 2:40:31 PM | 0.29 | 220 | 466 | 13 |
| 7/30/12 | 2:41:31 PM | 0.28 | 221 | 467 | 13 |
| 7/30/12 | 2:42:31 PM | 0.28 | 220 | 468 | 13 |
| 7/30/12 | 2:43:31 PM | 0.28 | 219 | 469 | 13 |
| 7/30/12 | 2:44:31 PM | 0.29 | 220 | 467 | 13 |
| 7/30/12 | 2:45:31 PM | 0.28 | 220 | 470 | 13 |
| 7/30/12 | 2:46:31 PM | 0.28 | 220 | 470 | 13 |
| 7/30/12 | 2:47:31 PM | 0.28 | 220 | 472 | 13 |
| 7/30/12 | 2:48:31 PM | 0.29 | 219 | 471 | 13 |
| 7/30/12 | 2:49:31 PM | 0.29 | 219 | 472 | 13 |
| 7/30/12 | 2:50:31 PM | 0.28 | 218 | 473 | 13 |
| 7/30/12 | 2:51:31 PM | 0.29 | 219 | 472 | 13 |
| 7/30/12 | 2:52:31 PM | 0.28 | 220 | 474 | 13 |
| 7/30/12 | 2:53:31 PM | 0.28 | 222 | 477 | 13 |
| 7/30/12 | 2:54:31 PM | 0.28 | 222 | 479 | 13 |
| 7/30/12 | 2:55:31 PM | 0.29 | 222 | 480 | 13 |
| 7/30/12 | 2:56:31 PM | 0.29 | 222 | 478 | 13 |
| 7/30/12 | 2:57:31 PM | 0.28 | 220 | 478 | 13 |
| 7/30/12 | 2:58:31 PM | 0.29 | 219 | 475 | 13 |
| 7/30/12 | 2:59:31 PM | 0.29 | 218 | 473 | 13 |
| 7/30/12 | 3:00:31 PM | 0.28 | 217 | 474 | 13 |
| 7/30/12 | 3:01:31 PM | 0.28 | 217 | 473 | 13 |
| 7/30/12 | 3:02:31 PM | 0.29 | 218 | 475 | 13 |
| 7/30/12 | 3:03:31 PM | 0.29 | 219 | 476 | 13 |
| 7/30/12 | 3:04:31 PM | 0.29 | 218 | 479 | 13 |
| 7/30/12 | 3:05:31 PM | 0.28 | 217 | 478 | 13 |
| 7/30/12 | 3:06:31 PM | 0.29 | 217 | 478 | 13 |
| 7/30/12 | 3:07:31 PM | 0.29 | 217 | 479 | 13 |
| 7/30/12 | 3:08:31 PM | 0.29 | 218 | 484 | 13 |
| 7/30/12 | 3:09:31 PM | 0.29 | 219 | 488 | 13 |
| 7/30/12 | 3:10:31 PM | 0.29 | 217 | 488 | 13 |
| 7/30/12 | 3:11:31 PM | 0.29 | 217 | 487 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 3:12:31 PM | 0.29 | 217 | 487 | 13 |
| 7/30/12 | 3:13:31 PM | 0.29 | 217 | 487 | 13 |
| 7/30/12 | 3:14:31 PM | 0.29 | 217 | 486 | 13 |
| 7/30/12 | 3:15:31 PM | 0.29 | 217 | 487 | 13 |
| 7/30/12 | 3:16:31 PM | 0.29 | 216 | 487 | 13 |
| 7/30/12 | 3:17:31 PM | 0.29 | 217 | 486 | 13 |
| 7/30/12 | 3:18:31 PM | 0.29 | 216 | 485 | 13 |
| 7/30/12 | 3:19:31 PM | 0.29 | 217 | 486 | 13 |
| 7/30/12 | 3:20:31 PM | 0.29 | 218 | 486 | 13 |
| 7/30/12 | 3:21:31 PM | 0.29 | 217 | 484 | 13 |
| 7/30/12 | 3:22:31 PM | 0.29 | 217 | 487 | 13 |
| 7/30/12 | 3:23:31 PM | 0.29 | 219 | 488 | 13 |
| 7/30/12 | 3:24:31 PM | 0.29 | 218 | 488 | 13 |
| 7/30/12 | 3:25:31 PM | 0.29 | 219 | 486 | 13 |
| 7/30/12 | 3:26:31 PM | 0.29 | 218 | 483 | 13 |
| 7/30/12 | 3:27:31 PM | 0.29 | 217 | 483 | 13 |
| 7/30/12 | 3:28:31 PM | 0.29 | 217 | 483 | 13 |
| 7/30/12 | 3:29:31 PM | 0.29 | 215 | 481 | 13 |
| 7/30/12 | 3:30:31 PM | 0.29 | 216 | 482 | 13 |
| 7/30/12 | 3:31:31 PM | 0.29 | 218 | 483 | 13 |
| 7/30/12 | 3:32:31 PM | 0.29 | 218 | 486 | 13 |
| 7/30/12 | 3:33:31 PM | 0.29 | 219 | 486 | 13 |
| 7/30/12 | 3:34:31 PM | 0.29 | 219 | 486 | 13 |
| 7/30/12 | 3:35:31 PM | 0.29 | 219 | 487 | 13 |
| 7/30/12 | 3:36:31 PM | 0.29 | 218 | 484 | 13 |
| 7/30/12 | 3:37:31 PM | 0.29 | 217 | 483 | 13 |
| 7/30/12 | 3:38:31 PM | 0.29 | 217 | 485 | 13 |
| 7/30/12 | 3:39:31 PM | 0.29 | 217 | 483 | 13 |
| 7/30/12 | 3:40:31 PM | 0.29 | 217 | 482 | 13 |
| 7/30/12 | 3:41:31 PM | 0.29 | 216 | 482 | 13 |
| 7/30/12 | 3:42:31 PM | 0.29 | 216 | 482 | 13 |
| 7/30/12 | 3:43:31 PM | 0.29 | 217 | 483 | 13 |
| 7/30/12 | 3:44:31 PM | 0.29 | 217 | 486 | 13 |
| 7/30/12 | 3:45:31 PM | 0.28 | 218 | 487 | 13 |
| 7/30/12 | 3:46:31 PM | 0.29 | 220 | 487 | 13 |
| 7/30/12 | 3:47:31 PM | 0.29 | 220 | 491 | 13 |
| 7/30/12 | 3:48:31 PM | 0.29 | 219 | 487 | 13 |
| 7/30/12 | 3:49:31 PM | 0.29 | 218 | 486 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 3:50:31 PM | 0.29 | 219 | 486 | 13 |
| 7/30/12 | 3:51:31 PM | 0.28 | 220 | 488 | 13 |
| 7/30/12 | 3:52:31 PM | 0.28 | 221 | 500 | 13 |
| 7/30/12 | 3:53:31 PM | 0.29 | 222 | 503 | 13 |
| 7/30/12 | 3:54:31 PM | 0.29 | 222 | 503 | 13 |
| 7/30/12 | 3:55:31 PM | 0.28 | 221 | 501 | 13 |
| 7/30/12 | 3:56:31 PM | 0.28 | 221 | 501 | 13 |
| 7/30/12 | 3:57:31 PM | 0.29 | 220 | 502 | 13 |
| 7/30/12 | 3:58:31 PM | 0.29 | 220 | 501 | 13 |
| 7/30/12 | 3:59:31 PM | 0.29 | 221 | 503 | 13 |
| 7/30/12 | 4:00:31 PM | 0.29 | 221 | 502 | 13 |
| 7/30/12 | 4:01:31 PM | 0.29 | 220 | 500 | 13 |
| 7/30/12 | 4:02:31 PM | 0.29 | 220 | 501 | 13 |
| 7/30/12 | 4:03:31 PM | 0.29 | 219 | 498 | 13 |
| 7/30/12 | 4:04:31 PM | 0.29 | 218 | 507 | 13 |
| 7/30/12 | 4:05:31 PM | 0.29 | 218 | 515 | 13 |
| 7/30/12 | 4:06:31 PM | 0.29 | 217 | 519 | 13 |
| 7/30/12 | 4:07:31 PM | 0.29 | 217 | 520 | 13 |
| 7/30/12 | 4:08:31 PM | 0.29 | 216 | 525 | 13 |
| 7/30/12 | 4:09:31 PM | 0.29 | 217 | 528 | 13 |
| 7/30/12 | 4:10:31 PM | 0.29 | 217 | 531 | 13 |
| 7/30/12 | 4:11:31 PM | 0.29 | 218 | 537 | 13 |
| 7/30/12 | 4:12:31 PM | 0.29 | 218 | 538 | 13 |
| 7/30/12 | 4:13:31 PM | 0.29 | 217 | 541 | 13 |
| 7/30/12 | 4:14:31 PM | 0.29 | 218 | 542 | 13 |
| 7/30/12 | 4:15:31 PM | 0.29 | 218 | 543 | 13 |
| 7/30/12 | 4:16:31 PM | 0.29 | 217 | 544 | 13 |
| 7/30/12 | 4:17:31 PM | 0.29 | 217 | 544 | 13 |
| 7/30/12 | 4:18:31 PM | 0.29 | 217 | 544 | 13 |
| 7/30/12 | 4:19:31 PM | 0.29 | 216 | 545 | 13 |
| 7/30/12 | 4:20:31 PM | 0.29 | 216 | 544 | 13 |
| 7/30/12 | 4:21:31 PM | 0.29 | 216 | 545 | 13 |
| 7/30/12 | 4:22:31 PM | 0.29 | 216 | 546 | 13 |
| 7/30/12 | 4:23:31 PM | 0.29 | 216 | 546 | 13 |
| 7/30/12 | 4:24:31 PM | 0.28 | 216 | 547 | 13 |
| 7/30/12 | 4:25:31 PM | 0.29 | 217 | 547 | 13 |
| 7/30/12 | 4:26:31 PM | 0.29 | 217 | 546 | 13 |
| 7/30/12 | 4:27:31 PM | 0.28 | 217 | 547 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 4:28:31 PM | 0.29 | 217 | 547 | 13 |
| 7/30/12 | 4:29:31 PM | 0.29 | 216 | 546 | 13 |
| 7/30/12 | 4:30:31 PM | 0.29 | 216 | 545 | 13 |
| 7/30/12 | 4:31:31 PM | 0.29 | 215 | 541 | 13 |
| 7/30/12 | 4:32:31 PM | 0.29 | 215 | 542 | 13 |
| 7/30/12 | 4:33:31 PM | 0.28 | 215 | 544 | 13 |
| 7/30/12 | 4:34:31 PM | 0.28 | 215 | 544 | 13 |
| 7/30/12 | 4:35:31 PM | 0.29 | 217 | 545 | 13 |
| 7/30/12 | 4:36:31 PM | 0.29 | 216 | 548 | 13 |
| 7/30/12 | 4:37:31 PM | 0.29 | 216 | 551 | 13 |
| 7/30/12 | 4:38:31 PM | 0.29 | 215 | 552 | 13 |
| 7/30/12 | 4:39:31 PM | 0.29 | 217 | 554 | 13 |
| 7/30/12 | 4:40:31 PM | 0.29 | 216 | 556 | 13 |
| 7/30/12 | 4:41:31 PM | 0.28 | 216 | 554 | 13 |
| 7/30/12 | 4:42:31 PM | 0.29 | 215 | 553 | 13 |
| 7/30/12 | 4:43:31 PM | 0.29 | 215 | 552 | 13 |
| 7/30/12 | 4:44:31 PM | 0.29 | 215 | 554 | 13 |
| 7/30/12 | 4:45:31 PM | 0.29 | 216 | 552 | 13 |
| 7/30/12 | 4:46:31 PM | 0.28 | 216 | 554 | 13 |
| 7/30/12 | 4:47:31 PM | 0.29 | 217 | 556 | 13 |
| 7/30/12 | 4:48:31 PM | 0.28 | 216 | 553 | 13 |
| 7/30/12 | 4:49:31 PM | 0.29 | 216 | 552 | 13 |
| 7/30/12 | 4:50:31 PM | 0.29 | 214 | 551 | 13 |
| 7/30/12 | 4:51:31 PM | 0.29 | 213 | 547 | 13 |
| 7/30/12 | 4:52:31 PM | 0.29 | 213 | 547 | 13 |
| 7/30/12 | 4:53:31 PM | 0.29 | 214 | 547 | 13 |
| 7/30/12 | 4:54:31 PM | 0.29 | 214 | 546 | 13 |
| 7/30/12 | 4:55:31 PM | 0.28 | 214 | 547 | 13 |
| 7/30/12 | 4:56:31 PM | 0.29 | 216 | 550 | 13 |
| 7/30/12 | 4:57:31 PM | 0.29 | 216 | 552 | 13 |
| 7/30/12 | 4:58:31 PM | 0.29 | 216 | 552 | 13 |
| 7/30/12 | 4:59:31 PM | 0.28 | 217 | 551 | 14 |
| 7/30/12 | 5:00:31 PM | 0.28 | 217 | 552 | 14 |
| 7/30/12 | 5:01:31 PM | 0.29 | 216 | 552 | 14 |
| 7/30/12 | 5:02:31 PM | 0.29 | 216 | 549 | 13 |
| 7/30/12 | 5:03:31 PM | 0.29 | 218 | 551 | 13 |
| 7/30/12 | 5:04:31 PM | 0.28 | 218 | 552 | 13 |
| 7/30/12 | 5:05:31 PM | 0.29 | 218 | 550 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 5:06:31 PM | 0.29 | 217 | 549 | 13 |
| 7/30/12 | 5:07:31 PM | 0.29 | 217 | 548 | 13 |
| 7/30/12 | 5:08:31 PM | 0.29 | 217 | 548 | 14 |
| 7/30/12 | 5:09:31 PM | 0.29 | 217 | 547 | 14 |
| 7/30/12 | 5:10:31 PM | 0.29 | 216 | 547 | 14 |
| 7/30/12 | 5:11:31 PM | 0.29 | 215 | 549 | 14 |
| 7/30/12 | 5:12:31 PM | 0.29 | 216 | 548 | 14 |
| 7/30/12 | 5:13:31 PM | 0.29 | 215 | 546 | 14 |
| 7/30/12 | 5:14:31 PM | 0.28 | 216 | 546 | 14 |
| 7/30/12 | 5:15:31 PM | 0.28 | 216 | 545 | 14 |
| 7/30/12 | 5:16:31 PM | 0.29 | 217 | 546 | 14 |
| 7/30/12 | 5:17:31 PM | 0.29 | 218 | 548 | 14 |
| 7/30/12 | 5:18:31 PM | 0.29 | 217 | 547 | 14 |
| 7/30/12 | 5:19:31 PM | 0.29 | 216 | 546 | 14 |
| 7/30/12 | 5:20:31 PM | 0.29 | 215 | 545 | 14 |
| 7/30/12 | 5:21:31 PM | 0.28 | 216 | 542 | 14 |
| 7/30/12 | 5:22:31 PM | 0.28 | 217 | 543 | 14 |
| 7/30/12 | 5:23:31 PM | 0.28 | 217 | 543 | 14 |
| 7/30/12 | 5:24:31 PM | 0.29 | 219 | 544 | 14 |
| 7/30/12 | 5:25:31 PM | 0.28 | 219 | 544 | 14 |
| 7/30/12 | 5:26:31 PM | 0.29 | 219 | 544 | 14 |
| 7/30/12 | 5:27:31 PM | 0.29 | 218 | 542 | 14 |
| 7/30/12 | 5:28:31 PM | 0.28 | 217 | 539 | 14 |
| 7/30/12 | 5:29:31 PM | 0.29 | 217 | 539 | 14 |
| 7/30/12 | 5:30:31 PM | 0.28 | 217 | 541 | 14 |
| 7/30/12 | 5:31:31 PM | 0.29 | 217 | 537 | 14 |
| 7/30/12 | 5:32:31 PM | 0.29 | 216 | 537 | 14 |
| 7/30/12 | 5:33:31 PM | 0.29 | 216 | 539 | 14 |
| 7/30/12 | 5:34:31 PM | 0.29 | 216 | 537 | 14 |
| 7/30/12 | 5:35:31 PM | 0.28 | 216 | 537 | 14 |
| 7/30/12 | 5:36:31 PM | 0.29 | 217 | 537 | 14 |
| 7/30/12 | 5:37:31 PM | 0.29 | 217 | 540 | 14 |
| 7/30/12 | 5:38:31 PM | 0.29 | 217 | 538 | 14 |
| 7/30/12 | 5:39:31 PM | 0.29 | 216 | 538 | 14 |
| 7/30/12 | 5:40:31 PM | 0.29 | 216 | 537 | 14 |
| 7/30/12 | 5:41:31 PM | 0.29 | 216 | 535 | 14 |
| 7/30/12 | 5:42:31 PM | 0.29 | 216 | 535 | 14 |
| 7/30/12 | 5:43:31 PM | 0.29 | 215 | 536 | 14 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 5:44:31 PM | 0.29 | 215 | 536 | 14 |
| 7/30/12 | 5:45:31 PM | 0.28 | 215 | 535 | 14 |
| 7/30/12 | 5:46:31 PM | 0.28 | 216 | 534 | 14 |
| 7/30/12 | 5:47:31 PM | 0.29 | 217 | 536 | 14 |
| 7/30/12 | 5:48:31 PM | 0.29 | 217 | 538 | 14 |
| 7/30/12 | 5:49:31 PM | 0.29 | 216 | 535 | 14 |
| 7/30/12 | 5:50:31 PM | 0.29 | 217 | 535 | 14 |
| 7/30/12 | 5:51:31 PM | 0.29 | 218 | 538 | 14 |
| 7/30/12 | 5:52:31 PM | 0.29 | 217 | 537 | 14 |
| 7/30/12 | 5:53:31 PM | 0.29 | 216 | 535 | 14 |
| 7/30/12 | 5:54:31 PM | 0.29 | 216 | 535 | 14 |
| 7/30/12 | 5:55:31 PM | 0.29 | 217 | 536 | 14 |
| 7/30/12 | 5:56:31 PM | 0.29 | 217 | 536 | 14 |
| 7/30/12 | 5:57:31 PM | 0.29 | 218 | 537 | 14 |
| 7/30/12 | 5:58:31 PM | 0.28 | 219 | 538 | 14 |
| 7/30/12 | 5:59:31 PM | 0.29 | 219 | 538 | 14 |
| 7/30/12 | 6:00:31 PM | 0.29 | 218 | 535 | 14 |
| 7/30/12 | 6:01:31 PM | 0.28 | 219 | 535 | 14 |
| 7/30/12 | 6:02:31 PM | 0.28 | 220 | 540 | 14 |
| 7/30/12 | 6:03:31 PM | 0.28 | 220 | 539 | 14 |
| 7/30/12 | 6:04:31 PM | 0.28 | 220 | 539 | 14 |
| 7/30/12 | 6:05:31 PM | 0.28 | 219 | 534 | 14 |
| 7/30/12 | 6:06:31 PM | 0.29 | 218 | 539 | 14 |
| 7/30/12 | 6:07:31 PM | 0.28 | 218 | 535 | 14 |
| 7/30/12 | 6:08:31 PM | 0.29 | 219 | 533 | 14 |
| 7/30/12 | 6:09:31 PM | 0.28 | 218 | 530 | 14 |
| 7/30/12 | 6:10:31 PM | 0.29 | 218 | 523 | 14 |
| 7/30/12 | 6:11:31 PM | 0.29 | 220 | 521 | 14 |
| 7/30/12 | 6:12:31 PM | 0.28 | 219 | 520 | 14 |
| 7/30/12 | 6:13:31 PM | 0.29 | 219 | 513 | 14 |
| 7/30/12 | 6:14:31 PM | 0.29 | 218 | 510 | 14 |
| 7/30/12 | 6:15:31 PM | 0.29 | 218 | 508 | 14 |
| 7/30/12 | 6:16:31 PM | 0.29 | 219 | 508 | 14 |
| 7/30/12 | 6:17:31 PM | 0.28 | 218 | 506 | 14 |
| 7/30/12 | 6:18:31 PM | 0.28 | 219 | 503 | 14 |
| 7/30/12 | 6:19:31 PM | 0.29 | 221 | 503 | 14 |
| 7/30/12 | 6:20:31 PM | 0.28 | 220 | 503 | 14 |
| 7/30/12 | 6:21:31 PM | 0.29 | 219 | 499 | 14 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 6:22:31 PM | 0.28 | 219 | 495 | 14 |
| 7/30/12 | 6:23:31 PM | 0.28 | 219 | 495 | 14 |
| 7/30/12 | 6:24:31 PM | 0.28 | 218 | 493 | 14 |
| 7/30/12 | 6:25:31 PM | 0.28 | 219 | 490 | 14 |
| 7/30/12 | 6:26:31 PM | 0.29 | 219 | 495 | 14 |
| 7/30/12 | 6:27:31 PM | 0.29 | 220 | 498 | 14 |
| 7/30/12 | 6:28:31 PM | 0.29 | 219 | 493 | 14 |
| 7/30/12 | 6:29:31 PM | 0.28 | 219 | 490 | 14 |
| 7/30/12 | 6:30:31 PM | 0.29 | 219 | 490 | 14 |
| 7/30/12 | 6:31:31 PM | 0.29 | 218 | 487 | 14 |
| 7/30/12 | 6:32:31 PM | 0.29 | 218 | 486 | 14 |
| 7/30/12 | 6:33:31 PM | 0.28 | 218 | 487 | 14 |
| 7/30/12 | 6:34:31 PM | 0.28 | 219 | 487 | 14 |
| 7/30/12 | 6:35:31 PM | 0.29 | 219 | 486 | 14 |
| 7/30/12 | 6:36:31 PM | 0.28 | 219 | 484 | 14 |
| 7/30/12 | 6:37:31 PM | 0.29 | 218 | 483 | 14 |
| 7/30/12 | 6:38:31 PM | 0.28 | 218 | 484 | 14 |
| 7/30/12 | 6:39:31 PM | 0.28 | 218 | 482 | 14 |
| 7/30/12 | 6:40:31 PM | 0.28 | 217 | 482 | 14 |
| 7/30/12 | 6:41:31 PM | 0.29 | 217 | 479 | 14 |
| 7/30/12 | 6:42:31 PM | 0.29 | 216 | 479 | 14 |
| 7/30/12 | 6:43:31 PM | 0.29 | 215 | 477 | 14 |
| 7/30/12 | 6:44:31 PM | 0.29 | 215 | 477 | 14 |
| 7/30/12 | 6:45:31 PM | 0.28 | 215 | 475 | 14 |
| 7/30/12 | 6:46:31 PM | 0.28 | 214 | 474 | 14 |
| 7/30/12 | 6:47:31 PM | 0.29 | 214 | 473 | 14 |
| 7/30/12 | 6:48:31 PM | 0.29 | 215 | 473 | 14 |
| 7/30/12 | 6:49:31 PM | 0.29 | 217 | 475 | 14 |
| 7/30/12 | 6:50:31 PM | 0.28 | 215 | 475 | 14 |
| 7/30/12 | 6:51:31 PM | 0.28 | 215 | 472 | 14 |
| 7/30/12 | 6:52:31 PM | 0.29 | 216 | 471 | 14 |
| 7/30/12 | 6:53:31 PM | 0.29 | 216 | 473 | 14 |
| 7/30/12 | 6:54:31 PM | 0.28 | 216 | 476 | 14 |
| 7/30/12 | 6:55:31 PM | 0.28 | 215 | 475 | 14 |
| 7/30/12 | 6:56:31 PM | 0.29 | 215 | 475 | 14 |
| 7/30/12 | 6:57:31 PM | 0.29 | 215 | 472 | 14 |
| 7/30/12 | 6:58:31 PM | 0.29 | 213 | 472 | 14 |
| 7/30/12 | 6:59:31 PM | 0.29 | 213 | 470 | 14 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 7:00:31 PM | 0.29 | 214 | 471 | 14 |
| 7/30/12 | 7:01:31 PM | 0.29 | 215 | 470 | 14 |
| 7/30/12 | 7:02:31 PM | 0.29 | 215 | 470 | 14 |
| 7/30/12 | 7:03:31 PM | 0.28 | 216 | 471 | 14 |
| 7/30/12 | 7:04:31 PM | 0.29 | 216 | 474 | 14 |
| 7/30/12 | 7:05:31 PM | 0.29 | 217 | 473 | 14 |
| 7/30/12 | 7:06:31 PM | 0.29 | 216 | 474 | 14 |
| 7/30/12 | 7:07:31 PM | 0.29 | 216 | 472 | 14 |
| 7/30/12 | 7:08:31 PM | 0.29 | 215 | 474 | 14 |
| 7/30/12 | 7:09:31 PM | 0.29 | 215 | 471 | 14 |
| 7/30/12 | 7:10:31 PM | 0.29 | 215 | 472 | 14 |
| 7/30/12 | 7:11:31 PM | 0.29 | 213 | 471 | 14 |
| 7/30/12 | 7:12:31 PM | 0.29 | 213 | 469 | 14 |
| 7/30/12 | 7:13:31 PM | 0.28 | 213 | 467 | 14 |
| 7/30/12 | 7:14:31 PM | 0.28 | 213 | 468 | 14 |
| 7/30/12 | 7:15:31 PM | 0.29 | 214 | 468 | 14 |
| 7/30/12 | 7:16:31 PM | 0.29 | 214 | 468 | 14 |
| 7/30/12 | 7:17:31 PM | 0.28 | 213 | 466 | 14 |
| 7/30/12 | 7:18:31 PM | 0.29 | 213 | 466 | 14 |
| 7/30/12 | 7:19:31 PM | 0.29 | 213 | 465 | 14 |
| 7/30/12 | 7:20:31 PM | 0.29 | 213 | 470 | 14 |
| 7/30/12 | 7:21:31 PM | 0.29 | 213 | 470 | 14 |
| 7/30/12 | 7:22:31 PM | 0.28 | 212 | 472 | 14 |
| 7/30/12 | 7:23:31 PM | 0.29 | 212 | 469 | 14 |
| 7/30/12 | 7:24:31 PM | 0.29 | 213 | 468 | 14 |
| 7/30/12 | 7:25:31 PM | 0.29 | 214 | 467 | 14 |
| 7/30/12 | 7:26:31 PM | 0.29 | 213 | 466 | 14 |
| 7/30/12 | 7:27:31 PM | 0.29 | 214 | 465 | 14 |
| 7/30/12 | 7:28:31 PM | 0.28 | 214 | 466 | 14 |
| 7/30/12 | 7:29:31 PM | 0.29 | 213 | 465 | 14 |
| 7/30/12 | 7:30:31 PM | 0.29 | 214 | 465 | 14 |
| 7/30/12 | 7:31:31 PM | 0.29 | 214 | 466 | 14 |
| 7/30/12 | 7:32:31 PM | 0.29 | 213 | 465 | 13 |
| 7/30/12 | 7:33:31 PM | 0.29 | 212 | 463 | 13 |
| 7/30/12 | 7:34:31 PM | 0.28 | 212 | 462 | 13 |
| 7/30/12 | 7:35:31 PM | 0.29 | 212 | 462 | 13 |
| 7/30/12 | 7:36:31 PM | 0.29 | 212 | 462 | 13 |
| 7/30/12 | 7:37:31 PM | 0.29 | 213 | 461 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 7:38:31 PM | 0.29 | 213 | 462 | 13 |
| 7/30/12 | 7:39:31 PM | 0.29 | 212 | 461 | 13 |
| 7/30/12 | 7:40:31 PM | 0.29 | 212 | 462 | 13 |
| 7/30/12 | 7:41:31 PM | 0.29 | 213 | 461 | 14 |
| 7/30/12 | 7:42:31 PM | 0.29 | 212 | 461 | 14 |
| 7/30/12 | 7:43:31 PM | 0.29 | 212 | 462 | 14 |
| 7/30/12 | 7:44:31 PM | 0.29 | 213 | 461 | 14 |
| 7/30/12 | 7:45:31 PM | 0.29 | 213 | 461 | 14 |
| 7/30/12 | 7:46:31 PM | 0.28 | 213 | 461 | 14 |
| 7/30/12 | 7:47:31 PM | 0.29 | 214 | 462 | 13 |
| 7/30/12 | 7:48:31 PM | 0.29 | 214 | 462 | 13 |
| 7/30/12 | 7:49:31 PM | 0.29 | 215 | 462 | 13 |
| 7/30/12 | 7:50:31 PM | 0.28 | 214 | 463 | 13 |
| 7/30/12 | 7:51:31 PM | 0.29 | 213 | 463 | 13 |
| 7/30/12 | 7:52:31 PM | 0.28 | 213 | 460 | 13 |
| 7/30/12 | 7:53:31 PM | 0.29 | 212 | 459 | 13 |
| 7/30/12 | 7:54:31 PM | 0.29 | 214 | 459 | 13 |
| 7/30/12 | 7:55:31 PM | 0.29 | 214 | 462 | 13 |
| 7/30/12 | 7:56:31 PM | 0.29 | 213 | 461 | 13 |
| 7/30/12 | 7:57:31 PM | 0.29 | 213 | 460 | 13 |
| 7/30/12 | 7:58:31 PM | 0.29 | 212 | 458 | 13 |
| 7/30/12 | 7:59:31 PM | 0.29 | 213 | 460 | 13 |
| 7/30/12 | 8:00:31 PM | 0.29 | 214 | 461 | 13 |
| 7/30/12 | 8:01:31 PM | 0.29 | 213 | 462 | 13 |
| 7/30/12 | 8:02:31 PM | 0.28 | 212 | 460 | 13 |
| 7/30/12 | 8:03:31 PM | 0.28 | 213 | 460 | 13 |
| 7/30/12 | 8:04:31 PM | 0.28 | 214 | 462 | 13 |
| 7/30/12 | 8:05:31 PM | 0.28 | 213 | 469 | 13 |
| 7/30/12 | 8:06:31 PM | 0.29 | 213 | 469 | 13 |
| 7/30/12 | 8:07:31 PM | 0.28 | 214 | 467 | 13 |
| 7/30/12 | 8:08:31 PM | 0.28 | 215 | 467 | 13 |
| 7/30/12 | 8:09:31 PM | 0.29 | 215 | 467 | 13 |
| 7/30/12 | 8:10:31 PM | 0.28 | 214 | 467 | 13 |
| 7/30/12 | 8:11:31 PM | 0.29 | 215 | 467 | 13 |
| 7/30/12 | 8:12:31 PM | 0.28 | 215 | 467 | 13 |
| 7/30/12 | 8:13:31 PM | 0.29 | 215 | 468 | 13 |
| 7/30/12 | 8:14:31 PM | 0.29 | 214 | 467 | 13 |
| 7/30/12 | 8:15:31 PM | 0.29 | 213 | 467 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 8:16:31 PM | 0.29 | 213 | 467 | 13 |
| 7/30/12 | 8:17:31 PM | 0.29 | 213 | 466 | 13 |
| 7/30/12 | 8:18:31 PM | 0.29 | 213 | 465 | 13 |
| 7/30/12 | 8:19:31 PM | 0.29 | 212 | 465 | 13 |
| 7/30/12 | 8:20:31 PM | 0.29 | 212 | 462 | 13 |
| 7/30/12 | 8:21:31 PM | 0.29 | 212 | 462 | 13 |
| 7/30/12 | 8:22:31 PM | 0.29 | 214 | 462 | 13 |
| 7/30/12 | 8:23:31 PM | 0.29 | 214 | 463 | 13 |
| 7/30/12 | 8:24:31 PM | 0.29 | 214 | 464 | 13 |
| 7/30/12 | 8:25:31 PM | 0.29 | 213 | 463 | 13 |
| 7/30/12 | 8:26:31 PM | 0.29 | 214 | 462 | 13 |
| 7/30/12 | 8:27:31 PM | 0.28 | 214 | 463 | 13 |
| 7/30/12 | 8:28:31 PM | 0.28 | 214 | 464 | 13 |
| 7/30/12 | 8:29:31 PM | 0.29 | 214 | 462 | 13 |
| 7/30/12 | 8:30:31 PM | 0.29 | 214 | 464 | 13 |
| 7/30/12 | 8:31:31 PM | 0.29 | 213 | 461 | 13 |
| 7/30/12 | 8:32:31 PM | 0.29 | 214 | 461 | 13 |
| 7/30/12 | 8:33:31 PM | 0.28 | 213 | 461 | 13 |
| 7/30/12 | 8:34:31 PM | 0.29 | 213 | 460 | 13 |
| 7/30/12 | 8:35:31 PM | 0.29 | 212 | 460 | 13 |
| 7/30/12 | 8:36:31 PM | 0.29 | 211 | 460 | 13 |
| 7/30/12 | 8:37:31 PM | 0.29 | 211 | 460 | 13 |
| 7/30/12 | 8:38:31 PM | 0.29 | 213 | 461 | 13 |
| 7/30/12 | 8:39:31 PM | 0.28 | 214 | 463 | 13 |
| 7/30/12 | 8:40:31 PM | 0.28 | 214 | 463 | 13 |
| 7/30/12 | 8:41:31 PM | 0.28 | 214 | 463 | 13 |
| 7/30/12 | 8:42:31 PM | 0.28 | 214 | 462 | 13 |
| 7/30/12 | 8:43:31 PM | 0.29 | 214 | 463 | 13 |
| 7/30/12 | 8:44:31 PM | 0.28 | 214 | 462 | 13 |
| 7/30/12 | 8:45:31 PM | 0.29 | 215 | 465 | 13 |
| 7/30/12 | 8:46:31 PM | 0.28 | 214 | 465 | 13 |
| 7/30/12 | 8:47:31 PM | 0.28 | 213 | 463 | 13 |
| 7/30/12 | 8:48:31 PM | 0.29 | 214 | 462 | 13 |
| 7/30/12 | 8:49:31 PM | 0.29 | 214 | 463 | 13 |
| 7/30/12 | 8:50:31 PM | 0.29 | 214 | 469 | 13 |
| 7/30/12 | 8:51:31 PM | 0.29 | 214 | 467 | 13 |
| 7/30/12 | 8:52:31 PM | 0.29 | 214 | 467 | 13 |
| 7/30/12 | 8:53:31 PM | 0.29 | 213 | 465 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 8:54:31 PM | 0.29 | 213 | 465 | 13 |
| 7/30/12 | 8:55:31 PM | 0.29 | 213 | 466 | 13 |
| 7/30/12 | 8:56:31 PM | 0.29 | 212 | 465 | 13 |
| 7/30/12 | 8:57:31 PM | 0.29 | 212 | 462 | 13 |
| 7/30/12 | 8:58:31 PM | 0.29 | 211 | 460 | 13 |
| 7/30/12 | 8:59:31 PM | 0.29 | 212 | 458 | 13 |
| 7/30/12 | 9:00:31 PM | 0.29 | 213 | 461 | 13 |
| 7/30/12 | 9:01:31 PM | 0.28 | 214 | 462 | 13 |
| 7/30/12 | 9:02:31 PM | 0.29 | 214 | 461 | 13 |
| 7/30/12 | 9:03:31 PM | 0.29 | 213 | 461 | 13 |
| 7/30/12 | 9:04:31 PM | 0.29 | 212 | 460 | 13 |
| 7/30/12 | 9:05:31 PM | 0.29 | 213 | 460 | 13 |
| 7/30/12 | 9:06:31 PM | 0.29 | 212 | 459 | 13 |
| 7/30/12 | 9:07:31 PM | 0.29 | 213 | 460 | 13 |
| 7/30/12 | 9:08:31 PM | 0.29 | 212 | 460 | 13 |
| 7/30/12 | 9:09:31 PM | 0.29 | 212 | 460 | 13 |
| 7/30/12 | 9:10:31 PM | 0.29 | 213 | 458 | 13 |
| 7/30/12 | 9:11:31 PM | 0.29 | 214 | 461 | 13 |
| 7/30/12 | 9:12:31 PM | 0.28 | 215 | 461 | 13 |
| 7/30/12 | 9:13:31 PM | 0.28 | 215 | 462 | 13 |
| 7/30/12 | 9:14:31 PM | 0.29 | 215 | 463 | 13 |
| 7/30/12 | 9:15:31 PM | 0.29 | 214 | 462 | 13 |
| 7/30/12 | 9:16:31 PM | 0.28 | 215 | 460 | 13 |
| 7/30/12 | 9:17:31 PM | 0.28 | 214 | 461 | 13 |
| 7/30/12 | 9:18:31 PM | 0.28 | 214 | 461 | 13 |
| 7/30/12 | 9:19:31 PM | 0.28 | 216 | 461 | 13 |
| 7/30/12 | 9:20:31 PM | 0.28 | 214 | 461 | 13 |
| 7/30/12 | 9:21:31 PM | 0.29 | 214 | 458 | 13 |
| 7/30/12 | 9:22:31 PM | 0.29 | 213 | 456 | 13 |
| 7/30/12 | 9:23:31 PM | 0.29 | 213 | 456 | 13 |
| 7/30/12 | 9:24:31 PM | 0.29 | 213 | 458 | 13 |
| 7/30/12 | 9:25:31 PM | 0.28 | 213 | 459 | 13 |
| 7/30/12 | 9:26:31 PM | 0.29 | 213 | 460 | 13 |
| 7/30/12 | 9:27:31 PM | 0.29 | 213 | 458 | 13 |
| 7/30/12 | 9:28:31 PM | 0.28 | 213 | 458 | 13 |
| 7/30/12 | 9:29:31 PM | 0.29 | 213 | 458 | 13 |
| 7/30/12 | 9:30:31 PM | 0.29 | 213 | 457 | 13 |
| 7/30/12 | 9:31:31 PM | 0.28 | 212 | 457 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 9:32:31 PM | 0.29 | 213 | 457 | 13 |
| 7/30/12 | 9:33:31 PM | 0.29 | 213 | 457 | 13 |
| 7/30/12 | 9:34:31 PM | 0.29 | 213 | 458 | 13 |
| 7/30/12 | 9:35:31 PM | 0.29 | 213 | 458 | 13 |
| 7/30/12 | 9:36:31 PM | 0.29 | 213 | 457 | 13 |
| 7/30/12 | 9:37:31 PM | 0.29 | 213 | 458 | 13 |
| 7/30/12 | 9:38:31 PM | 0.29 | 213 | 459 | 13 |
| 7/30/12 | 9:39:31 PM | 0.29 | 213 | 459 | 13 |
| 7/30/12 | 9:40:31 PM | 0.29 | 213 | 456 | 13 |
| 7/30/12 | 9:41:31 PM | 0.29 | 212 | 457 | 13 |
| 7/30/12 | 9:42:31 PM | 0.29 | 212 | 457 | 13 |
| 7/30/12 | 9:43:31 PM | 0.29 | 212 | 458 | 13 |
| 7/30/12 | 9:44:31 PM | 0.29 | 212 | 457 | 13 |
| 7/30/12 | 9:45:31 PM | 0.29 | 212 | 458 | 13 |
| 7/30/12 | 9:46:31 PM | 0.29 | 211 | 457 | 13 |
| 7/30/12 | 9:47:31 PM | 0.29 | 212 | 457 | 13 |
| 7/30/12 | 9:48:31 PM | 0.29 | 213 | 458 | 12 |
| 7/30/12 | 9:49:31 PM | 0.29 | 212 | 460 | 12 |
| 7/30/12 | 9:50:31 PM | 0.29 | 213 | 457 | 13 |
| 7/30/12 | 9:51:31 PM | 0.29 | 213 | 459 | 13 |
| 7/30/12 | 9:52:31 PM | 0.29 | 214 | 460 | 13 |
| 7/30/12 | 9:53:31 PM | 0.28 | 213 | 459 | 12 |
| 7/30/12 | 9:54:31 PM | 0.28 | 213 | 460 | 12 |
| 7/30/12 | 9:55:31 PM | 0.29 | 213 | 458 | 12 |
| 7/30/12 | 9:56:31 PM | 0.28 | 213 | 457 | 12 |
| 7/30/12 | 9:57:31 PM | 0.29 | 213 | 457 | 12 |
| 7/30/12 | 9:58:31 PM | 0.29 | 213 | 457 | 12 |
| 7/30/12 | 9:59:31 PM | 0.29 | 212 | 467 | 12 |
| 7/30/12 | 10:00:31 PM | 0.29 | 212 | 463 | 12 |
| 7/30/12 | 10:01:31 PM | 0.29 | 211 | 462 | 12 |
| 7/30/12 | 10:02:31 PM | 0.29 | 212 | 462 | 12 |
| 7/30/12 | 10:03:31 PM | 0.29 | 212 | 461 | 12 |
| 7/30/12 | 10:04:31 PM | 0.29 | 212 | 462 | 12 |
| 7/30/12 | 10:05:31 PM | 0.29 | 211 | 461 | 12 |
| 7/30/12 | 10:06:31 PM | 0.29 | 212 | 458 | 12 |
| 7/30/12 | 10:07:31 PM | 0.29 | 212 | 459 | 12 |
| 7/30/12 | 10:08:31 PM | 0.29 | 213 | 458 | 12 |
| 7/30/12 | 10:09:31 PM | 0.29 | 213 | 459 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 10:10:31 PM | 0.29 | 213 | 458 | 12 |
| 7/30/12 | 10:11:31 PM | 0.29 | 213 | 459 | 12 |
| 7/30/12 | 10:12:31 PM | 0.29 | 213 | 459 | 12 |
| 7/30/12 | 10:13:31 PM | 0.29 | 213 | 459 | 12 |
| 7/30/12 | 10:14:31 PM | 0.29 | 213 | 461 | 12 |
| 7/30/12 | 10:15:31 PM | 0.29 | 214 | 461 | 12 |
| 7/30/12 | 10:16:31 PM | 0.29 | 214 | 462 | 12 |
| 7/30/12 | 10:17:31 PM | 0.29 | 214 | 461 | 12 |
| 7/30/12 | 10:18:31 PM | 0.29 | 214 | 461 | 12 |
| 7/30/12 | 10:19:31 PM | 0.29 | 215 | 462 | 12 |
| 7/30/12 | 10:20:31 PM | 0.29 | 215 | 465 | 12 |
| 7/30/12 | 10:21:31 PM | 0.29 | 215 | 462 | 12 |
| 7/30/12 | 10:22:31 PM | 0.29 | 214 | 463 | 12 |
| 7/30/12 | 10:23:31 PM | 0.29 | 214 | 463 | 12 |
| 7/30/12 | 10:24:31 PM | 0.29 | 214 | 462 | 12 |
| 7/30/12 | 10:25:31 PM | 0.29 | 214 | 459 | 12 |
| 7/30/12 | 10:26:31 PM | 0.28 | 215 | 459 | 12 |
| 7/30/12 | 10:27:31 PM | 0.28 | 215 | 460 | 12 |
| 7/30/12 | 10:28:31 PM | 0.29 | 215 | 459 | 12 |
| 7/30/12 | 10:29:31 PM | 0.28 | 214 | 460 | 12 |
| 7/30/12 | 10:30:31 PM | 0.29 | 214 | 460 | 12 |
| 7/30/12 | 10:31:31 PM | 0.29 | 214 | 459 | 12 |
| 7/30/12 | 10:32:31 PM | 0.29 | 215 | 460 | 12 |
| 7/30/12 | 10:33:31 PM | 0.28 | 214 | 460 | 12 |
| 7/30/12 | 10:34:31 PM | 0.29 | 214 | 459 | 12 |
| 7/30/12 | 10:35:31 PM | 0.29 | 215 | 462 | 12 |
| 7/30/12 | 10:36:31 PM | 0.29 | 215 | 460 | 12 |
| 7/30/12 | 10:37:31 PM | 0.29 | 215 | 460 | 12 |
| 7/30/12 | 10:38:31 PM | 0.29 | 216 | 460 | 12 |
| 7/30/12 | 10:39:31 PM | 0.29 | 215 | 460 | 12 |
| 7/30/12 | 10:40:31 PM | 0.28 | 215 | 459 | 12 |
| 7/30/12 | 10:41:31 PM | 0.29 | 216 | 459 | 12 |
| 7/30/12 | 10:42:31 PM | 0.29 | 217 | 463 | 12 |
| 7/30/12 | 10:43:31 PM | 0.29 | 217 | 466 | 12 |
| 7/30/12 | 10:44:31 PM | 0.29 | 216 | 465 | 13 |
| 7/30/12 | 10:45:31 PM | 0.29 | 215 | 465 | 13 |
| 7/30/12 | 10:46:31 PM | 0.29 | 216 | 464 | 13 |
| 7/30/12 | 10:47:31 PM | 0.29 | 216 | 467 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 10:48:31 PM | 0.29 | 216 | 468 | 13 |
| 7/30/12 | 10:49:31 PM | 0.29 | 216 | 471 | 13 |
| 7/30/12 | 10:50:31 PM | 0.29 | 216 | 473 | 13 |
| 7/30/12 | 10:51:31 PM | 0.29 | 216 | 475 | 13 |
| 7/30/12 | 10:52:31 PM | 0.29 | 217 | 477 | 13 |
| 7/30/12 | 10:53:31 PM | 0.29 | 217 | 481 | 13 |
| 7/30/12 | 10:54:31 PM | 0.29 | 217 | 484 | 13 |
| 7/30/12 | 10:55:31 PM | 0.29 | 217 | 486 | 13 |
| 7/30/12 | 10:56:31 PM | 0.29 | 217 | 490 | 14 |
| 7/30/12 | 10:57:31 PM | 0.28 | 217 | 491 | 14 |
| 7/30/12 | 10:58:31 PM | 0.29 | 218 | 498 | 14 |
| 7/30/12 | 10:59:31 PM | 0.29 | 219 | 501 | 15 |
| 7/30/12 | 11:00:31 PM | 0.29 | 218 | 509 | 15 |
| 7/30/12 | 11:01:31 PM | 0.29 | 218 | 511 | 15 |
| 7/30/12 | 11:02:31 PM | 0.29 | 218 | 511 | 15 |
| 7/30/12 | 11:03:31 PM | 0.29 | 218 | 513 | 15 |
| 7/30/12 | 11:04:31 PM | 0.29 | 218 | 516 | 15 |
| 7/30/12 | 11:05:31 PM | 0.29 | 218 | 519 | 16 |
| 7/30/12 | 11:06:31 PM | 0.29 | 219 | 523 | 16 |
| 7/30/12 | 11:07:31 PM | 0.29 | 219 | 526 | 16 |
| 7/30/12 | 11:08:31 PM | 0.29 | 218 | 526 | 17 |
| 7/30/12 | 11:09:31 PM | 0.29 | 219 | 531 | 17 |
| 7/30/12 | 11:10:31 PM | 0.29 | 219 | 534 | 17 |
| 7/30/12 | 11:11:31 PM | 0.29 | 220 | 538 | 18 |
| 7/30/12 | 11:12:31 PM | 0.29 | 220 | 541 | 18 |
| 7/30/12 | 11:13:31 PM | 0.29 | 219 | 543 | 18 |
| 7/30/12 | 11:14:31 PM | 0.29 | 218 | 544 | 19 |
| 7/30/12 | 11:15:31 PM | 0.29 | 219 | 548 | 19 |
| 7/30/12 | 11:16:31 PM | 0.29 | 219 | 553 | 19 |
| 7/30/12 | 11:17:31 PM | 0.29 | 219 | 556 | 20 |
| 7/30/12 | 11:18:31 PM | 0.29 | 219 | 559 | 20 |
| 7/30/12 | 11:19:31 PM | 0.29 | 219 | 562 | 20 |
| 7/30/12 | 11:20:31 PM | 0.29 | 219 | 566 | 21 |
| 7/30/12 | 11:21:31 PM | 0.29 | 219 | 569 | 21 |
| 7/30/12 | 11:22:31 PM | 0.29 | 220 | 571 | 21 |
| 7/30/12 | 11:23:31 PM | 0.29 | 220 | 572 | 22 |
| 7/30/12 | 11:24:31 PM | 0.29 | 220 | 577 | 22 |
| 7/30/12 | 11:25:31 PM | 0.29 | 219 | 580 | 22 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **30-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **30-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/30/12 | 11:26:31 PM | 0.29 | 219 | 579 | 23 |
| 7/30/12 | 11:27:31 PM | 0.29 | 219 | 582 | 23 |
| 7/30/12 | 11:28:31 PM | 0.29 | 219 | 585 | 23 |
| 7/30/12 | 11:29:31 PM | 0.29 | 218 | 587 | 24 |
| 7/30/12 | 11:30:31 PM | 0.29 | 218 | 590 | 24 |
| 7/30/12 | 11:31:31 PM | 0.29 | 218 | 593 | 24 |
| 7/30/12 | 11:32:31 PM | 0.29 | 218 | 596 | 24 |
| 7/30/12 | 11:33:31 PM | 0.29 | 218 | 597 | 24 |
| 7/30/12 | 11:34:31 PM | 0.29 | 218 | 602 | 25 |
| 7/30/12 | 11:35:31 PM | 0.29 | 218 | 611 | 25 |
| 7/30/12 | 11:36:31 PM | 0.29 | 218 | 612 | 25 |
| 7/30/12 | 11:37:31 PM | 0.29 | 218 | 614 | 25 |
| 7/30/12 | 11:38:31 PM | 0.29 | 217 | 613 | 26 |
| 7/30/12 | 11:39:31 PM | 0.29 | 218 | 614 | 26 |
| 7/30/12 | 11:40:31 PM | 0.29 | 218 | 617 | 26 |
| 7/30/12 | 11:41:31 PM | 0.29 | 218 | 621 | 27 |
| 7/30/12 | 11:42:31 PM | 0.29 | 219 | 623 | 27 |
| 7/30/12 | 11:43:31 PM | 0.29 | 218 | 625 | 27 |
| 7/30/12 | 11:44:31 PM | 0.29 | 218 | 627 | 28 |
| 7/30/12 | 11:45:31 PM | 0.29 | 218 | 628 | 28 |
| 7/30/12 | 11:46:31 PM | 0.29 | 218 | 631 | 28 |
| 7/30/12 | 11:47:31 PM | 0.29 | 219 | 634 | 29 |
| 7/30/12 | 11:48:31 PM | 0.29 | 219 | 639 | 29 |
| 7/30/12 | 11:49:31 PM | 0.29 | 219 | 640 | 29 |
| 7/30/12 | 11:50:31 PM | 0.29 | 219 | 643 | 30 |
| 7/30/12 | 11:51:31 PM | 0.29 | 219 | 646 | 30 |
| 7/30/12 | 11:52:31 PM | 0.29 | 219 | 648 | 30 |
| 7/30/12 | 11:53:31 PM | 0.29 | 219 | 651 | 30 |
| 7/30/12 | 11:54:31 PM | 0.29 | 219 | 654 | 30 |
| 7/30/12 | 11:55:31 PM | 0.29 | 219 | 657 | 30 |
| 7/30/12 | 11:56:31 PM | 0.29 | 219 | 660 | 32 |
| 7/30/12 | 11:57:31 PM | 0.29 | 220 | 664 | 32 |
| 7/30/12 | 11:58:31 PM | 0.29 | 219 | 665 | 32 |
| 7/30/12 | 11:59:31 PM | 0.29 | 220 | 669 | 32 |
| Averages | | 0.28 | 224 | 500 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 12:00:31 AM | 0.29 | 221 | 670 | 32 |
| 7/31/12 | 12:01:31 AM | 0.29 | 220 | 672 | 32 |
| 7/31/12 | 12:02:31 AM | 0.29 | 220 | 674 | 33 |
| 7/31/12 | 12:03:31 AM | 0.29 | 219 | 677 | 33 |
| 7/31/12 | 12:04:31 AM | 0.29 | 220 | 678 | 33 |
| 7/31/12 | 12:05:31 AM | 0.29 | 220 | 681 | 34 |
| 7/31/12 | 12:06:31 AM | 0.29 | 219 | 682 | 34 |
| 7/31/12 | 12:07:31 AM | 0.29 | 220 | 684 | 34 |
| 7/31/12 | 12:08:31 AM | 0.29 | 219 | 687 | 35 |
| 7/31/12 | 12:09:31 AM | 0.29 | 220 | 691 | 35 |
| 7/31/12 | 12:10:31 AM | 0.29 | 220 | 693 | 35 |
| 7/31/12 | 12:11:31 AM | 0.29 | 220 | 694 | 35 |
| 7/31/12 | 12:12:31 AM | 0.29 | 220 | 697 | 35 |
| 7/31/12 | 12:13:31 AM | 0.29 | 221 | 701 | 35 |
| 7/31/12 | 12:14:31 AM | 0.29 | 221 | 703 | 36 |
| 7/31/12 | 12:15:31 AM | 0.29 | 220 | 703 | 36 |
| 7/31/12 | 12:16:31 AM | 0.29 | 220 | 705 | 36 |
| 7/31/12 | 12:17:31 AM | 0.29 | 220 | 707 | 37 |
| 7/31/12 | 12:18:31 AM | 0.29 | 221 | 711 | 37 |
| 7/31/12 | 12:19:31 AM | 0.29 | 221 | 712 | 37 |
| 7/31/12 | 12:20:31 AM | 0.29 | 220 | 713 | 38 |
| 7/31/12 | 12:21:31 AM | 0.28 | 220 | 713 | 38 |
| 7/31/12 | 12:22:31 AM | 0.29 | 220 | 716 | 38 |
| 7/31/12 | 12:23:31 AM | 0.28 | 220 | 719 | 38 |
| 7/31/12 | 12:24:31 AM | 0.29 | 220 | 721 | 38 |
| 7/31/12 | 12:25:31 AM | 0.29 | 221 | 724 | 38 |
| 7/31/12 | 12:26:31 AM | 0.29 | 220 | 725 | 39 |
| 7/31/12 | 12:27:31 AM | 0.29 | 220 | 726 | 39 |
| 7/31/12 | 12:28:31 AM | 0.29 | 219 | 726 | 39 |
| 7/31/12 | 12:29:31 AM | 0.29 | 219 | 725 | 40 |
| 7/31/12 | 12:30:31 AM | 0.29 | 219 | 727 | 40 |
| 7/31/12 | 12:31:31 AM | 0.29 | 219 | 728 | 40 |
| 7/31/12 | 12:32:31 AM | 0.29 | 220 | 729 | 40 |
| 7/31/12 | 12:33:31 AM | 0.29 | 219 | 739 | 40 |
| 7/31/12 | 12:34:31 AM | 0.29 | 219 | 745 | 40 |
| 7/31/12 | 12:35:31 AM | 0.29 | 219 | 745 | 41 |
| 7/31/12 | 12:36:31 AM | 0.29 | 218 | 745 | 41 |
| 7/31/12 | 12:37:31 AM | 0.29 | 219 | 745 | 41 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 12:38:31 AM | 0.28 | 218 | 745 | 41 |
| 7/31/12 | 12:39:31 AM | 0.29 | 218 | 745 | 41 |
| 7/31/12 | 12:40:31 AM | 0.29 | 218 | 745 | 41 |
| 7/31/12 | 12:41:31 AM | 0.29 | 220 | 748 | 42 |
| 7/31/12 | 12:42:31 AM | 0.29 | 220 | 752 | 42 |
| 7/31/12 | 12:43:31 AM | 0.29 | 219 | 753 | 42 |
| 7/31/12 | 12:44:31 AM | 0.29 | 220 | 755 | 43 |
| 7/31/12 | 12:45:31 AM | 0.29 | 220 | 759 | 43 |
| 7/31/12 | 12:46:31 AM | 0.29 | 221 | 758 | 43 |
| 7/31/12 | 12:47:31 AM | 0.29 | 221 | 760 | 44 |
| 7/31/12 | 12:48:31 AM | 0.29 | 221 | 760 | 44 |
| 7/31/12 | 12:49:31 AM | 0.29 | 221 | 763 | 44 |
| 7/31/12 | 12:50:31 AM | 0.29 | 222 | 764 | 44 |
| 7/31/12 | 12:51:31 AM | 0.28 | 222 | 766 | 44 |
| 7/31/12 | 12:52:31 AM | 0.29 | 221 | 768 | 44 |
| 7/31/12 | 12:53:31 AM | 0.29 | 221 | 769 | 45 |
| 7/31/12 | 12:54:31 AM | 0.29 | 221 | 769 | 45 |
| 7/31/12 | 12:55:31 AM | 0.29 | 221 | 771 | 45 |
| 7/31/12 | 12:56:31 AM | 0.29 | 221 | 772 | 45 |
| 7/31/12 | 12:57:31 AM | 0.29 | 221 | 773 | 45 |
| 7/31/12 | 12:58:31 AM | 0.29 | 221 | 773 | 45 |
| 7/31/12 | 12:59:31 AM | 0.29 | 222 | 775 | 46 |
| 7/31/12 | 1:00:31 AM | 0.29 | 221 | 777 | 46 |
| 7/31/12 | 1:01:31 AM | 0.29 | 221 | 779 | 46 |
| 7/31/12 | 1:02:31 AM | 0.29 | 222 | 789 | 46 |
| 7/31/12 | 1:03:31 AM | 0.28 | 222 | 791 | 46 |
| 7/31/12 | 1:04:31 AM | 0.29 | 221 | 791 | 46 |
| 7/31/12 | 1:05:31 AM | 0.29 | 222 | 790 | 47 |
| 7/31/12 | 1:06:31 AM | 0.29 | 222 | 790 | 47 |
| 7/31/12 | 1:07:31 AM | 0.28 | 222 | 791 | 47 |
| 7/31/12 | 1:08:31 AM | 0.29 | 222 | 792 | 48 |
| 7/31/12 | 1:09:31 AM | 0.28 | 222 | 793 | 48 |
| 7/31/12 | 1:10:31 AM | 0.28 | 223 | 795 | 48 |
| 7/31/12 | 1:11:31 AM | 0.29 | 223 | 796 | 48 |
| 7/31/12 | 1:12:31 AM | 0.29 | 222 | 795 | 48 |
| 7/31/12 | 1:13:31 AM | 0.29 | 222 | 796 | 48 |
| 7/31/12 | 1:14:31 AM | 0.28 | 223 | 799 | 49 |
| 7/31/12 | 1:15:31 AM | 0.29 | 223 | 800 | 49 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 1:16:31 AM | 0.29 | 223 | 802 | 49 |
| 7/31/12 | 1:17:31 AM | 0.28 | 224 | 805 | 49 |
| 7/31/12 | 1:18:31 AM | 0.29 | 224 | 807 | 49 |
| 7/31/12 | 1:19:31 AM | 0.29 | 224 | 807 | 49 |
| 7/31/12 | 1:20:31 AM | 0.28 | 223 | 810 | 50 |
| 7/31/12 | 1:21:31 AM | 0.28 | 223 | 809 | 50 |
| 7/31/12 | 1:22:31 AM | 0.28 | 224 | 810 | 50 |
| 7/31/12 | 1:23:31 AM | 0.28 | 224 | 813 | 50 |
| 7/31/12 | 1:24:31 AM | 0.28 | 223 | 814 | 50 |
| 7/31/12 | 1:25:31 AM | 0.29 | 224 | 815 | 50 |
| 7/31/12 | 1:26:31 AM | 0.29 | 223 | 814 | 51 |
| 7/31/12 | 1:27:31 AM | 0.29 | 224 | 815 | 51 |
| 7/31/12 | 1:28:31 AM | 0.29 | 224 | 817 | 51 |
| 7/31/12 | 1:29:31 AM | 0.28 | 224 | 819 | 51 |
| 7/31/12 | 1:30:31 AM | 0.28 | 224 | 821 | 51 |
| 7/31/12 | 1:31:31 AM | 0.28 | 224 | 826 | 51 |
| 7/31/12 | 1:32:31 AM | 0.29 | 224 | 828 | 51 |
| 7/31/12 | 1:33:31 AM | 0.29 | 224 | 829 | 51 |
| 7/31/12 | 1:34:31 AM | 0.28 | 225 | 827 | 51 |
| 7/31/12 | 1:35:31 AM | 0.29 | 225 | 827 | 52 |
| 7/31/12 | 1:36:31 AM | 0.28 | 225 | 827 | 52 |
| 7/31/12 | 1:37:31 AM | 0.28 | 225 | 826 | 52 |
| 7/31/12 | 1:38:31 AM | 0.28 | 225 | 827 | 52 |
| 7/31/12 | 1:39:31 AM | 0.28 | 225 | 829 | 52 |
| 7/31/12 | 1:40:31 AM | 0.28 | 224 | 830 | 52 |
| 7/31/12 | 1:41:31 AM | 0.28 | 224 | 829 | 53 |
| 7/31/12 | 1:42:31 AM | 0.28 | 225 | 828 | 53 |
| 7/31/12 | 1:43:31 AM | 0.28 | 224 | 829 | 53 |
| 7/31/12 | 1:44:31 AM | 0.28 | 224 | 829 | 53 |
| 7/31/12 | 1:45:31 AM | 0.29 | 224 | 830 | 53 |
| 7/31/12 | 1:46:31 AM | 0.29 | 224 | 832 | 53 |
| 7/31/12 | 1:47:31 AM | 0.29 | 224 | 833 | 53 |
| 7/31/12 | 1:48:31 AM | 0.29 | 224 | 832 | 53 |
| 7/31/12 | 1:49:31 AM | 0.29 | 223 | 832 | 54 |
| 7/31/12 | 1:50:31 AM | 0.28 | 224 | 831 | 54 |
| 7/31/12 | 1:51:31 AM | 0.28 | 224 | 834 | 54 |
| 7/31/12 | 1:52:31 AM | 0.29 | 224 | 836 | 54 |
| 7/31/12 | 1:53:31 AM | 0.29 | 224 | 835 | 55 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 1:54:31 AM | 0.29 | 224 | 836 | 55 |
| 7/31/12 | 1:55:31 AM | 0.28 | 224 | 839 | 55 |
| 7/31/12 | 1:56:31 AM | 0.28 | 224 | 839 | 55 |
| 7/31/12 | 1:57:31 AM | 0.29 | 223 | 837 | 55 |
| 7/31/12 | 1:58:31 AM | 0.28 | 224 | 838 | 55 |
| 7/31/12 | 1:59:31 AM | 0.29 | 224 | 841 | 55 |
| 7/31/12 | 2:00:31 AM | 0.29 | 224 | 851 | 55 |
| 7/31/12 | 2:01:31 AM | 0.28 | 224 | 847 | 55 |
| 7/31/12 | 2:02:31 AM | 0.29 | 224 | 848 | 56 |
| 7/31/12 | 2:03:31 AM | 0.29 | 224 | 843 | 56 |
| 7/31/12 | 2:04:31 AM | 0.29 | 224 | 841 | 56 |
| 7/31/12 | 2:05:31 AM | 0.29 | 224 | 848 | 56 |
| 7/31/12 | 2:06:31 AM | 0.29 | 224 | 845 | 56 |
| 7/31/12 | 2:07:31 AM | 0.29 | 224 | 844 | 56 |
| 7/31/12 | 2:08:31 AM | 0.29 | 225 | 845 | 57 |
| 7/31/12 | 2:09:31 AM | 0.28 | 225 | 847 | 57 |
| 7/31/12 | 2:10:31 AM | 0.28 | 225 | 850 | 57 |
| 7/31/12 | 2:11:31 AM | 0.28 | 224 | 852 | 57 |
| 7/31/12 | 2:12:31 AM | 0.28 | 225 | 849 | 57 |
| 7/31/12 | 2:13:31 AM | 0.29 | 226 | 849 | 57 |
| 7/31/12 | 2:14:31 AM | 0.28 | 226 | 851 | 57 |
| 7/31/12 | 2:15:31 AM | 0.28 | 226 | 851 | 57 |
| 7/31/12 | 2:16:31 AM | 0.28 | 225 | 853 | 57 |
| 7/31/12 | 2:17:31 AM | 0.28 | 225 | 852 | 57 |
| 7/31/12 | 2:18:31 AM | 0.28 | 226 | 853 | 57 |
| 7/31/12 | 2:19:31 AM | 0.28 | 226 | 854 | 57 |
| 7/31/12 | 2:20:31 AM | 0.28 | 226 | 856 | 58 |
| 7/31/12 | 2:21:31 AM | 0.28 | 226 | 859 | 58 |
| 7/31/12 | 2:22:31 AM | 0.29 | 225 | 857 | 58 |
| 7/31/12 | 2:23:31 AM | 0.28 | 225 | 856 | 59 |
| 7/31/12 | 2:24:31 AM | 0.29 | 225 | 854 | 59 |
| 7/31/12 | 2:25:31 AM | 0.28 | 225 | 858 | 59 |
| 7/31/12 | 2:26:31 AM | 0.29 | 225 | 858 | 59 |
| 7/31/12 | 2:27:31 AM | 0.28 | 225 | 859 | 59 |
| 7/31/12 | 2:28:31 AM | 0.29 | 225 | 857 | 59 |
| 7/31/12 | 2:29:31 AM | 0.28 | 224 | 859 | 58 |
| 7/31/12 | 2:30:31 AM | 0.29 | 224 | 857 | 58 |
| 7/31/12 | 2:31:31 AM | 0.28 | 223 | 858 | 59 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 2:32:31 AM | 0.29 | 223 | 858 | 59 |
| 7/31/12 | 2:33:31 AM | 0.29 | 222 | 859 | 59 |
| 7/31/12 | 2:34:31 AM | 0.28 | 221 | 860 | 59 |
| 7/31/12 | 2:35:31 AM | 0.29 | 221 | 859 | 59 |
| 7/31/12 | 2:36:31 AM | 0.29 | 221 | 860 | 59 |
| 7/31/12 | 2:37:31 AM | 0.29 | 221 | 859 | 59 |
| 7/31/12 | 2:38:31 AM | 0.29 | 221 | 862 | 60 |
| 7/31/12 | 2:39:31 AM | 0.28 | 221 | 861 | 60 |
| 7/31/12 | 2:40:31 AM | 0.28 | 222 | 862 | 60 |
| 7/31/12 | 2:41:31 AM | 0.29 | 222 | 862 | 60 |
| 7/31/12 | 2:42:31 AM | 0.28 | 222 | 863 | 60 |
| 7/31/12 | 2:43:31 AM | 0.28 | 223 | 864 | 60 |
| 7/31/12 | 2:44:31 AM | 0.29 | 222 | 864 | 60 |
| 7/31/12 | 2:45:31 AM | 0.29 | 222 | 871 | 60 |
| 7/31/12 | 2:46:31 AM | 0.29 | 221 | 871 | 60 |
| 7/31/12 | 2:47:31 AM | 0.29 | 221 | 868 | 61 |
| 7/31/12 | 2:48:31 AM | 0.29 | 221 | 868 | 61 |
| 7/31/12 | 2:49:31 AM | 0.28 | 220 | 866 | 61 |
| 7/31/12 | 2:50:31 AM | 0.29 | 220 | 863 | 60 |
| 7/31/12 | 2:51:31 AM | 0.29 | 220 | 864 | 60 |
| 7/31/12 | 2:52:31 AM | 0.29 | 221 | 865 | 61 |
| 7/31/12 | 2:53:31 AM | 0.29 | 221 | 866 | 61 |
| 7/31/12 | 2:54:31 AM | 0.29 | 221 | 867 | 61 |
| 7/31/12 | 2:55:31 AM | 0.29 | 222 | 870 | 61 |
| 7/31/12 | 2:56:31 AM | 0.28 | 222 | 869 | 61 |
| 7/31/12 | 2:57:31 AM | 0.29 | 222 | 870 | 61 |
| 7/31/12 | 2:58:31 AM | 0.29 | 222 | 869 | 61 |
| 7/31/12 | 2:59:31 AM | 0.28 | 221 | 869 | 62 |
| 7/31/12 | 3:00:31 AM | 0.29 | 221 | 867 | 62 |
| 7/31/12 | 3:01:31 AM | 0.28 | 221 | 869 | 62 |
| 7/31/12 | 3:02:31 AM | 0.29 | 221 | 870 | 62 |
| 7/31/12 | 3:03:31 AM | 0.29 | 222 | 870 | 62 |
| 7/31/12 | 3:04:31 AM | 0.29 | 222 | 871 | 62 |
| 7/31/12 | 3:05:31 AM | 0.29 | 222 | 870 | 62 |
| 7/31/12 | 3:06:31 AM | 0.29 | 222 | 870 | 62 |
| 7/31/12 | 3:07:31 AM | 0.28 | 221 | 868 | 62 |
| 7/31/12 | 3:08:31 AM | 0.29 | 221 | 867 | 63 |
| 7/31/12 | 3:09:31 AM | 0.29 | 222 | 866 | 63 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 3:10:31 AM | 0.29 | 222 | 868 | 63 |
| 7/31/12 | 3:11:31 AM | 0.29 | 222 | 869 | 63 |
| 7/31/12 | 3:12:31 AM | 0.29 | 222 | 869 | 63 |
| 7/31/12 | 3:13:31 AM | 0.29 | 222 | 871 | 63 |
| 7/31/12 | 3:14:31 AM | 0.28 | 222 | 872 | 63 |
| 7/31/12 | 3:15:31 AM | 0.29 | 222 | 873 | 63 |
| 7/31/12 | 3:16:31 AM | 0.28 | 222 | 874 | 64 |
| 7/31/12 | 3:17:31 AM | 0.29 | 223 | 883 | 64 |
| 7/31/12 | 3:18:31 AM | 0.28 | 223 | 882 | 64 |
| 7/31/12 | 3:19:31 AM | 0.29 | 223 | 881 | 64 |
| 7/31/12 | 3:20:31 AM | 0.28 | 222 | 881 | 63 |
| 7/31/12 | 3:21:31 AM | 0.29 | 222 | 879 | 63 |
| 7/31/12 | 3:22:31 AM | 0.29 | 223 | 879 | 64 |
| 7/31/12 | 3:23:31 AM | 0.29 | 223 | 879 | 64 |
| 7/31/12 | 3:24:31 AM | 0.29 | 223 | 878 | 64 |
| 7/31/12 | 3:25:31 AM | 0.29 | 222 | 879 | 64 |
| 7/31/12 | 3:26:31 AM | 0.29 | 222 | 884 | 64 |
| 7/31/12 | 3:27:31 AM | 0.29 | 222 | 878 | 64 |
| 7/31/12 | 3:28:31 AM | 0.29 | 222 | 876 | 64 |
| 7/31/12 | 3:29:31 AM | 0.29 | 222 | 878 | 64 |
| 7/31/12 | 3:30:31 AM | 0.29 | 222 | 878 | 64 |
| 7/31/12 | 3:31:31 AM | 0.28 | 223 | 879 | 64 |
| 7/31/12 | 3:32:31 AM | 0.28 | 223 | 878 | 64 |
| 7/31/12 | 3:33:31 AM | 0.28 | 223 | 881 | 64 |
| 7/31/12 | 3:34:31 AM | 0.28 | 223 | 881 | 64 |
| 7/31/12 | 3:35:31 AM | 0.28 | 223 | 880 | 64 |
| 7/31/12 | 3:36:31 AM | 0.29 | 223 | 882 | 64 |
| 7/31/12 | 3:37:31 AM | 0.29 | 223 | 883 | 64 |
| 7/31/12 | 3:38:31 AM | 0.29 | 223 | 884 | 65 |
| 7/31/12 | 3:39:31 AM | 0.28 | 224 | 886 | 65 |
| 7/31/12 | 3:40:31 AM | 0.28 | 224 | 887 | 65 |
| 7/31/12 | 3:41:31 AM | 0.29 | 225 | 888 | 65 |
| 7/31/12 | 3:42:31 AM | 0.29 | 225 | 890 | 65 |
| 7/31/12 | 3:43:31 AM | 0.28 | 225 | 892 | 65 |
| 7/31/12 | 3:44:31 AM | 0.28 | 225 | 894 | 65 |
| 7/31/12 | 3:45:31 AM | 0.28 | 226 | 896 | 65 |
| 7/31/12 | 3:46:31 AM | 0.28 | 226 | 896 | 65 |
| 7/31/12 | 3:47:31 AM | 0.28 | 226 | 897 | 66 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 3:48:31 AM | 0.28 | 227 | 900 | 66 |
| 7/31/12 | 3:49:31 AM | 0.28 | 226 | 903 | 66 |
| 7/31/12 | 3:50:31 AM | 0.28 | 226 | 901 | 66 |
| 7/31/12 | 3:51:31 AM | 0.29 | 227 | 903 | 66 |
| 7/31/12 | 3:52:31 AM | 0.29 | 227 | 906 | 66 |
| 7/31/12 | 3:53:31 AM | 0.28 | 227 | 904 | 66 |
| 7/31/12 | 3:54:31 AM | 0.28 | 227 | 903 | 66 |
| 7/31/12 | 3:55:31 AM | 0.28 | 225 | 901 | 66 |
| 7/31/12 | 3:56:31 AM | 0.29 | 225 | 900 | 66 |
| 7/31/12 | 3:57:31 AM | 0.28 | 225 | 900 | 66 |
| 7/31/12 | 3:58:31 AM | 0.29 | 225 | 908 | 66 |
| 7/31/12 | 3:59:31 AM | 0.28 | 224 | 904 | 66 |
| 7/31/12 | 4:00:31 AM | 0.29 | 224 | 903 | 66 |
| 7/31/12 | 4:01:31 AM | 0.28 | 224 | 900 | 66 |
| 7/31/12 | 4:02:31 AM | 0.29 | 224 | 899 | 67 |
| 7/31/12 | 4:03:31 AM | 0.29 | 224 | 896 | 67 |
| 7/31/12 | 4:04:31 AM | 0.29 | 224 | 894 | 67 |
| 7/31/12 | 4:05:31 AM | 0.28 | 224 | 895 | 67 |
| 7/31/12 | 4:06:31 AM | 0.29 | 224 | 896 | 67 |
| 7/31/12 | 4:07:31 AM | 0.28 | 224 | 895 | 67 |
| 7/31/12 | 4:08:31 AM | 0.29 | 225 | 896 | 67 |
| 7/31/12 | 4:09:31 AM | 0.29 | 224 | 896 | 67 |
| 7/31/12 | 4:10:31 AM | 0.29 | 223 | 892 | 67 |
| 7/31/12 | 4:11:31 AM | 0.29 | 223 | 892 | 67 |
| 7/31/12 | 4:12:31 AM | 0.29 | 224 | 893 | 67 |
| 7/31/12 | 4:13:31 AM | 0.29 | 224 | 896 | 67 |
| 7/31/12 | 4:14:31 AM | 0.29 | 224 | 899 | 67 |
| 7/31/12 | 4:15:31 AM | 0.28 | 224 | 908 | 67 |
| 7/31/12 | 4:16:31 AM | 0.29 | 223 | 918 | 67 |
| 7/31/12 | 4:17:31 AM | 0.28 | 224 | 923 | 67 |
| 7/31/12 | 4:18:31 AM | 0.29 | 224 | 928 | 67 |
| 7/31/12 | 4:19:31 AM | 0.29 | 225 | 933 | 67 |
| 7/31/12 | 4:20:31 AM | 0.28 | 225 | 936 | 68 |
| 7/31/12 | 4:21:31 AM | 0.28 | 225 | 937 | 68 |
| 7/31/12 | 4:22:31 AM | 0.28 | 225 | 942 | 68 |
| 7/31/12 | 4:23:31 AM | 0.28 | 226 | 944 | 67 |
| 7/31/12 | 4:24:31 AM | 0.28 | 227 | 946 | 67 |
| 7/31/12 | 4:25:31 AM | 0.28 | 226 | 948 | 68 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 4:26:31 AM | 0.28 | 226 | 952 | 68 |
| 7/31/12 | 4:27:31 AM | 0.29 | 226 | 955 | 68 |
| 7/31/12 | 4:28:31 AM | 0.28 | 226 | 951 | 68 |
| 7/31/12 | 4:29:31 AM | 0.28 | 226 | 951 | 68 |
| 7/31/12 | 4:30:31 AM | 0.29 | 225 | 948 | 68 |
| 7/31/12 | 4:31:31 AM | 0.28 | 225 | 948 | 68 |
| 7/31/12 | 4:32:31 AM | 0.29 | 225 | 946 | 68 |
| 7/31/12 | 4:33:31 AM | 0.29 | 225 | 948 | 68 |
| 7/31/12 | 4:34:31 AM | 0.28 | 225 | 947 | 68 |
| 7/31/12 | 4:35:31 AM | 0.28 | 224 | 947 | 68 |
| 7/31/12 | 4:36:31 AM | 0.28 | 225 | 946 | 68 |
| 7/31/12 | 4:37:31 AM | 0.28 | 224 | 948 | 68 |
| 7/31/12 | 4:38:31 AM | 0.28 | 225 | 948 | 69 |
| 7/31/12 | 4:39:31 AM | 0.28 | 224 | 948 | 69 |
| 7/31/12 | 4:40:31 AM | 0.29 | 224 | 947 | 69 |
| 7/31/12 | 4:41:31 AM | 0.28 | 223 | 946 | 69 |
| 7/31/12 | 4:42:31 AM | 0.29 | 223 | 945 | 69 |
| 7/31/12 | 4:43:31 AM | 0.29 | 222 | 939 | 69 |
| 7/31/12 | 4:44:31 AM | 0.29 | 221 | 938 | 68 |
| 7/31/12 | 4:45:31 AM | 0.29 | 221 | 936 | 68 |
| 7/31/12 | 4:46:31 AM | 0.29 | 221 | 946 | 69 |
| 7/31/12 | 4:47:31 AM | 0.29 | 220 | 945 | 69 |
| 7/31/12 | 4:48:31 AM | 0.29 | 220 | 943 | 69 |
| 7/31/12 | 4:49:31 AM | 0.29 | 221 | 943 | 69 |
| 7/31/12 | 4:50:31 AM | 0.29 | 221 | 945 | 69 |
| 7/31/12 | 4:51:31 AM | 0.29 | 220 | 942 | 69 |
| 7/31/12 | 4:52:31 AM | 0.29 | 220 | 943 | 69 |
| 7/31/12 | 4:53:31 AM | 0.29 | 219 | 942 | 69 |
| 7/31/12 | 4:54:31 AM | 0.29 | 219 | 939 | 69 |
| 7/31/12 | 4:55:31 AM | 0.29 | 219 | 938 | 69 |
| 7/31/12 | 4:56:31 AM | 0.29 | 219 | 936 | 69 |
| 7/31/12 | 4:57:31 AM | 0.29 | 219 | 936 | 69 |
| 7/31/12 | 4:58:31 AM | 0.29 | 219 | 932 | 69 |
| 7/31/12 | 4:59:31 AM | 0.29 | 220 | 934 | 70 |
| 7/31/12 | 5:00:31 AM | 0.29 | 220 | 934 | 70 |
| 7/31/12 | 5:01:31 AM | 0.28 | 219 | 932 | 70 |
| 7/31/12 | 5:02:31 AM | 0.28 | 219 | 927 | 70 |
| 7/31/12 | 5:03:31 AM | 0.29 | 219 | 926 | 70 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 5:04:31 AM | 0.29 | 219 | 927 | 70 |
| 7/31/12 | 5:05:31 AM | 0.28 | 217 | 935 | 69 |
| 7/31/12 | 5:06:31 AM | 0.28 | 217 | 926 | 69 |
| 7/31/12 | 5:07:31 AM | 0.28 | 217 | 925 | 69 |
| 7/31/12 | 5:08:31 AM | 0.29 | 216 | 917 | 69 |
| 7/31/12 | 5:09:31 AM | 0.29 | 215 | 933 | 69 |
| 7/31/12 | 5:10:31 AM | 0.28 | 214 | 925 | 69 |
| 7/31/12 | 5:11:31 AM | 0.29 | 215 | 919 | 69 |
| 7/31/12 | 5:12:31 AM | 0.29 | 214 | 912 | 69 |
| 7/31/12 | 5:13:31 AM | 0.29 | 214 | 907 | 69 |
| 7/31/12 | 5:14:31 AM | 0.29 | 213 | 901 | 69 |
| 7/31/12 | 5:15:31 AM | 0.29 | 212 | 896 | 69 |
| 7/31/12 | 5:16:31 AM | 0.29 | 212 | 890 | 69 |
| 7/31/12 | 5:17:31 AM | 0.29 | 213 | 885 | 68 |
| 7/31/12 | 5:18:31 AM | 0.29 | 212 | 881 | 68 |
| 7/31/12 | 5:19:31 AM | 0.30 | 212 | 877 | 68 |
| 7/31/12 | 5:20:31 AM | 0.30 | 214 | 886 | 68 |
| 7/31/12 | 5:21:31 AM | 0.30 | 215 | 883 | 68 |
| 7/31/12 | 5:22:31 AM | 0.29 | 215 | 878 | 68 |
| 7/31/12 | 5:23:31 AM | 0.29 | 216 | 874 | 68 |
| 7/31/12 | 5:24:31 AM | 0.29 | 216 | 874 | 68 |
| 7/31/12 | 5:25:31 AM | 0.29 | 216 | 872 | 68 |
| 7/31/12 | 5:26:31 AM | 0.30 | 216 | 871 | 68 |
| 7/31/12 | 5:27:31 AM | 0.29 | 217 | 871 | 68 |
| 7/31/12 | 5:28:31 AM | 0.29 | 217 | 871 | 68 |
| 7/31/12 | 5:29:31 AM | 0.29 | 217 | 871 | 68 |
| 7/31/12 | 5:30:31 AM | 0.29 | 217 | 873 | 68 |
| 7/31/12 | 5:31:31 AM | 0.30 | 217 | 871 | 68 |
| 7/31/12 | 5:32:31 AM | 0.29 | 218 | 873 | 69 |
| 7/31/12 | 5:33:31 AM | 0.29 | 219 | 874 | 69 |
| 7/31/12 | 5:34:31 AM | 0.29 | 219 | 877 | 69 |
| 7/31/12 | 5:35:31 AM | 0.29 | 219 | 876 | 69 |
| 7/31/12 | 5:36:31 AM | 0.29 | 219 | 878 | 69 |
| 7/31/12 | 5:37:31 AM | 0.29 | 219 | 875 | 68 |
| 7/31/12 | 5:38:31 AM | 0.30 | 220 | 877 | 68 |
| 7/31/12 | 5:39:31 AM | 0.29 | 220 | 879 | 68 |
| 7/31/12 | 5:40:31 AM | 0.29 | 220 | 882 | 68 |
| 7/31/12 | 5:41:31 AM | 0.29 | 219 | 883 | 69 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 5:42:31 AM | 0.29 | 220 | 883 | 69 |
| 7/31/12 | 5:43:31 AM | 0.29 | 220 | 882 | 69 |
| 7/31/12 | 5:44:31 AM | 0.29 | 220 | 886 | 70 |
| 7/31/12 | 5:45:31 AM | 0.29 | 221 | 887 | 70 |
| 7/31/12 | 5:46:31 AM | 0.29 | 221 | 891 | 70 |
| 7/31/12 | 5:47:31 AM | 0.29 | 221 | 900 | 71 |
| 7/31/12 | 5:48:31 AM | 0.29 | 221 | 901 | 71 |
| 7/31/12 | 5:49:31 AM | 0.29 | 221 | 902 | 71 |
| 7/31/12 | 5:50:31 AM | 0.29 | 221 | 903 | 71 |
| 7/31/12 | 5:51:31 AM | 0.29 | 221 | 903 | 71 |
| 7/31/12 | 5:52:31 AM | 0.29 | 221 | 903 | 71 |
| 7/31/12 | 5:53:31 AM | 0.29 | 221 | 907 | 71 |
| 7/31/12 | 5:54:31 AM | 0.29 | 221 | 908 | 71 |
| 7/31/12 | 5:55:31 AM | 0.29 | 221 | 912 | 71 |
| 7/31/12 | 5:56:31 AM | 0.29 | 221 | 914 | 72 |
| 7/31/12 | 5:57:31 AM | 0.29 | 221 | 916 | 72 |
| 7/31/12 | 5:58:31 AM | 0.29 | 221 | 920 | 72 |
| 7/31/12 | 5:59:31 AM | 0.30 | 222 | 922 | 73 |
| 7/31/12 | 6:00:31 AM | 0.29 | 222 | 926 | 73 |
| 7/31/12 | 6:01:31 AM | 0.29 | 222 | 929 | 73 |
| 7/31/12 | 6:02:31 AM | 0.29 | 222 | 934 | 73 |
| 7/31/12 | 6:03:31 AM | 0.29 | 222 | 936 | 73 |
| 7/31/12 | 6:04:31 AM | 0.29 | 221 | 938 | 73 |
| 7/31/12 | 6:05:31 AM | 0.29 | 221 | 941 | 74 |
| 7/31/12 | 6:06:31 AM | 0.29 | 220 | 941 | 74 |
| 7/31/12 | 6:07:31 AM | 0.29 | 221 | 950 | 74 |
| 7/31/12 | 6:08:31 AM | 0.29 | 221 | 954 | 75 |
| 7/31/12 | 6:09:31 AM | 0.29 | 221 | 958 | 75 |
| 7/31/12 | 6:10:31 AM | 0.29 | 222 | 957 | 75 |
| 7/31/12 | 6:11:31 AM | 0.29 | 222 | 958 | 76 |
| 7/31/12 | 6:12:31 AM | 0.29 | 221 | 958 | 76 |
| 7/31/12 | 6:13:31 AM | 0.29 | 220 | 962 | 76 |
| 7/31/12 | 6:14:31 AM | 0.29 | 221 | 959 | 77 |
| 7/31/12 | 6:15:31 AM | 0.29 | 222 | 961 | 77 |
| 7/31/12 | 6:16:31 AM | 0.29 | 221 | 962 | 77 |
| 7/31/12 | 6:17:31 AM | 0.29 | 221 | 961 | 78 |
| 7/31/12 | 6:18:31 AM | 0.29 | 221 | 962 | 78 |
| 7/31/12 | 6:19:31 AM | 0.30 | 221 | 962 | 78 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 6:20:31 AM | 0.29 | 221 | 963 | 79 |
| 7/31/12 | 6:21:31 AM | 0.29 | 221 | 968 | 79 |
| 7/31/12 | 6:22:31 AM | 0.29 | 221 | 976 | 79 |
| 7/31/12 | 6:23:31 AM | 0.30 | 221 | 971 | 80 |
| 7/31/12 | 6:24:31 AM | 0.30 | 221 | 971 | 80 |
| 7/31/12 | 6:25:31 AM | 0.29 | 221 | 968 | 80 |
| 7/31/12 | 6:26:31 AM | 0.29 | 221 | 973 | 80 |
| 7/31/12 | 6:27:31 AM | 0.29 | 222 | 971 | 80 |
| 7/31/12 | 6:28:31 AM | 0.29 | 223 | 974 | 80 |
| 7/31/12 | 6:29:31 AM | 0.29 | 223 | 977 | 81 |
| 7/31/12 | 6:30:31 AM | 0.29 | 223 | 980 | 81 |
| 7/31/12 | 6:31:31 AM | 0.29 | 224 | 980 | 81 |
| 7/31/12 | 6:32:31 AM | 0.29 | 224 | 989 | 81 |
| 7/31/12 | 6:33:31 AM | 0.29 | 225 | 989 | 81 |
| 7/31/12 | 6:34:31 AM | 0.29 | 225 | 987 | 81 |
| 7/31/12 | 6:35:31 AM | 0.29 | 225 | 989 | 82 |
| 7/31/12 | 6:36:31 AM | 0.29 | 224 | 993 | 82 |
| 7/31/12 | 6:37:31 AM | 0.29 | 224 | 995 | 82 |
| 7/31/12 | 6:38:31 AM | 0.29 | 225 | 994 | 83 |
| 7/31/12 | 6:39:31 AM | 0.29 | 225 | 999 | 83 |
| 7/31/12 | 6:40:31 AM | 0.29 | 226 | 998 | 83 |
| 7/31/12 | 6:41:31 AM | 0.29 | 226 | 1001 | 84 |
| 7/31/12 | 6:42:31 AM | 0.29 | 227 | 1005 | 84 |
| 7/31/12 | 6:43:31 AM | 0.29 | 227 | 1006 | 84 |
| 7/31/12 | 6:44:31 AM | 0.29 | 227 | 1008 | 84 |
| 7/31/12 | 6:45:31 AM | 0.29 | 228 | 1011 | 84 |
| 7/31/12 | 6:46:31 AM | 0.29 | 228 | 1014 | 84 |
| 7/31/12 | 6:47:31 AM | 0.29 | 229 | 1013 | 84 |
| 7/31/12 | 6:48:31 AM | 0.29 | 230 | 1018 | 84 |
| 7/31/12 | 6:49:31 AM | 0.29 | 230 | 1021 | 84 |
| 7/31/12 | 6:50:31 AM | 0.29 | 230 | 1024 | 85 |
| 7/31/12 | 6:51:31 AM | 0.29 | 229 | 1024 | 85 |
| 7/31/12 | 6:52:31 AM | 0.29 | 229 | 1022 | 85 |
| 7/31/12 | 6:53:31 AM | 0.29 | 229 | 1024 | 85 |
| 7/31/12 | 6:54:31 AM | 0.29 | 229 | 1031 | 85 |
| 7/31/12 | 6:55:31 AM | 0.29 | 229 | 1031 | 86 |
| 7/31/12 | 6:56:31 AM | 0.29 | 230 | 1032 | 86 |
| 7/31/12 | 6:57:31 AM | 0.29 | 229 | 1029 | 86 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 6:58:31 AM | 0.29 | 228 | 1027 | 87 |
| 7/31/12 | 6:59:31 AM | 0.29 | 227 | 1025 | 87 |
| 7/31/12 | 7:00:31 AM | 0.29 | 227 | 1022 | 87 |
| 7/31/12 | 7:01:31 AM | 0.29 | 226 | 1029 | 87 |
| 7/31/12 | 7:02:31 AM | 0.29 | 226 | 1030 | 87 |
| 7/31/12 | 7:03:31 AM | 0.29 | 226 | 1027 | 87 |
| 7/31/12 | 7:04:31 AM | 0.29 | 226 | 1027 | 87 |
| 7/31/12 | 7:05:31 AM | 0.29 | 225 | 1028 | 87 |
| 7/31/12 | 7:06:31 AM | 0.29 | 225 | 1024 | 87 |
| 7/31/12 | 7:07:31 AM | 0.29 | 224 | 1025 | 87 |
| 7/31/12 | 7:08:31 AM | 0.29 | 224 | 1022 | 88 |
| 7/31/12 | 7:09:31 AM | 0.29 | 224 | 1022 | 88 |
| 7/31/12 | 7:10:31 AM | 0.29 | 224 | 1022 | 88 |
| 7/31/12 | 7:11:31 AM | 0.29 | 224 | 1025 | 87 |
| 7/31/12 | 7:12:31 AM | 0.29 | 224 | 1023 | 87 |
| 7/31/12 | 7:13:31 AM | 0.29 | 224 | 1025 | 87 |
| 7/31/12 | 7:14:31 AM | 0.29 | 224 | 1026 | 88 |
| 7/31/12 | 7:15:31 AM | 0.29 | 224 | 1027 | 88 |
| 7/31/12 | 7:16:31 AM | 0.29 | 225 | 1031 | 88 |
| 7/31/12 | 7:17:31 AM | 0.29 | 225 | 1034 | 88 |
| 7/31/12 | 7:18:31 AM | 0.29 | 225 | 1035 | 88 |
| 7/31/12 | 7:19:31 AM | 0.29 | 226 | 1039 | 88 |
| 7/31/12 | 7:20:31 AM | 0.29 | 225 | 1041 | 88 |
| 7/31/12 | 7:21:31 AM | 0.29 | 225 | 1041 | 88 |
| 7/31/12 | 7:22:31 AM | 0.29 | 225 | 1043 | 89 |
| 7/31/12 | 7:23:31 AM | 0.29 | 225 | 1044 | 89 |
| 7/31/12 | 7:24:31 AM | 0.28 | 227 | 1047 | 89 |
| 7/31/12 | 7:25:31 AM | 0.29 | 228 | 1049 | 89 |
| 7/31/12 | 7:26:31 AM | 0.29 | 228 | 1054 | 89 |
| 7/31/12 | 7:27:31 AM | 0.29 | 227 | 1054 | 89 |
| 7/31/12 | 7:28:31 AM | 0.29 | 226 | 1052 | 89 |
| 7/31/12 | 7:29:31 AM | 0.29 | 226 | 1053 | 90 |
| 7/31/12 | 7:30:31 AM | 0.29 | 225 | 1053 | 90 |
| 7/31/12 | 7:31:31 AM | 0.29 | 225 | 1055 | 90 |
| 7/31/12 | 7:32:31 AM | 0.29 | 225 | 1055 | 91 |
| 7/31/12 | 7:33:31 AM | 0.29 | 226 | 1053 | 91 |
| 7/31/12 | 7:34:31 AM | 0.29 | 227 | 1056 | 91 |
| 7/31/12 | 7:35:31 AM | 0.29 | 228 | 1057 | 91 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 7:36:31 AM | 0.29 | 229 | 1060 | 91 |
| 7/31/12 | 7:37:31 AM | 0.29 | 229 | 1063 | 91 |
| 7/31/12 | 7:38:31 AM | 0.29 | 228 | 1064 | 91 |
| 7/31/12 | 7:39:31 AM | 0.28 | 229 | 1065 | 91 |
| 7/31/12 | 7:40:31 AM | 0.28 | 230 | 1069 | 92 |
| 7/31/12 | 7:41:31 AM | 0.29 | 230 | 1071 | 92 |
| 7/31/12 | 7:42:31 AM | 0.29 | 231 | 1077 | 92 |
| 7/31/12 | 7:43:31 AM | 0.29 | 231 | 1088 | 92 |
| 7/31/12 | 7:44:31 AM | 0.29 | 230 | 1090 | 92 |
| 7/31/12 | 7:45:31 AM | 0.29 | 229 | 1089 | 92 |
| 7/31/12 | 7:46:31 AM | 0.29 | 229 | 1085 | 92 |
| 7/31/12 | 7:47:31 AM | 0.29 | 229 | 1086 | 92 |
| 7/31/12 | 7:48:31 AM | 0.29 | 230 | 1085 | 92 |
| 7/31/12 | 7:49:31 AM | 0.29 | 230 | 1090 | 92 |
| 7/31/12 | 7:50:31 AM | 0.29 | 230 | 1086 | 93 |
| 7/31/12 | 7:51:31 AM | 0.29 | 231 | 1089 | 93 |
| 7/31/12 | 7:52:31 AM | 0.29 | 231 | 1090 | 93 |
| 7/31/12 | 7:53:31 AM | 0.29 | 230 | 1086 | 93 |
| 7/31/12 | 7:54:31 AM | 0.29 | 229 | 1087 | 93 |
| 7/31/12 | 7:55:31 AM | 0.29 | 229 | 1086 | 93 |
| 7/31/12 | 7:56:31 AM | 0.29 | 229 | 1087 | 93 |
| 7/31/12 | 7:57:31 AM | 0.29 | 229 | 1084 | 93 |
| 7/31/12 | 7:58:31 AM | 0.29 | 228 | 1081 | 93 |
| 7/31/12 | 7:59:31 AM | 0.29 | 227 | 1078 | 94 |
| 7/31/12 | 8:00:31 AM | 0.29 | 226 | 1079 | 94 |
| 7/31/12 | 8:01:31 AM | 0.29 | 226 | 1075 | 94 |
| 7/31/12 | 8:02:31 AM | 0.29 | 226 | 1088 | 94 |
| 7/31/12 | 8:03:31 AM | 0.29 | 225 | 1086 | 94 |
| 7/31/12 | 8:04:31 AM | 0.29 | 225 | 1083 | 94 |
| 7/31/12 | 8:05:31 AM | 0.29 | 224 | 1082 | 94 |
| 7/31/12 | 8:06:31 AM | 0.28 | 223 | 1081 | 94 |
| 7/31/12 | 8:07:31 AM | 0.28 | 222 | 1067 | 94 |
| 7/31/12 | 8:08:31 AM | 0.28 | 223 | 1061 | 94 |
| 7/31/12 | 8:09:31 AM | 0.28 | 224 | 1063 | 94 |
| 7/31/12 | 8:10:31 AM | 0.28 | 224 | 1072 | 94 |
| 7/31/12 | 8:11:31 AM | 0.28 | 224 | 1067 | 92 |
| 7/31/12 | 8:12:31 AM | 0.28 | 225 | 1066 | 92 |
| 7/31/12 | 8:13:31 AM | 0.28 | 226 | 1065 | 92 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 8:14:31 AM | 0.28 | 227 | 1067 | 92 |
| 7/31/12 | 8:15:31 AM | 0.28 | 227 | 1069 | 92 |
| 7/31/12 | 8:16:31 AM | 0.28 | 227 | 1067 | 92 |
| 7/31/12 | 8:17:31 AM | 0.29 | 226 | 1062 | 92 |
| 7/31/12 | 8:18:31 AM | 0.28 | 225 | 1058 | 92 |
| 7/31/12 | 8:19:31 AM | 0.28 | 226 | 1055 | 92 |
| 7/31/12 | 8:20:31 AM | 0.29 | 226 | 1054 | 91 |
| 7/31/12 | 8:21:31 AM | 0.28 | 226 | 1051 | 91 |
| 7/31/12 | 8:22:31 AM | 0.28 | 226 | 1051 | 91 |
| 7/31/12 | 8:23:31 AM | 0.28 | 227 | 1048 | 90 |
| 7/31/12 | 8:24:31 AM | 0.28 | 228 | 1052 | 90 |
| 7/31/12 | 8:25:31 AM | 0.28 | 229 | 1052 | 90 |
| 7/31/12 | 8:26:31 AM | 0.29 | 227 | 1050 | 90 |
| 7/31/12 | 8:27:31 AM | 0.29 | 225 | 1042 | 90 |
| 7/31/12 | 8:28:31 AM | 0.28 | 223 | 1032 | 90 |
| 7/31/12 | 8:29:31 AM | 0.29 | 223 | 1029 | 89 |
| 7/31/12 | 8:30:31 AM | 0.29 | 224 | 1025 | 89 |
| 7/31/12 | 8:31:31 AM | 0.28 | 224 | 1026 | 89 |
| 7/31/12 | 8:32:31 AM | 0.28 | 224 | 1021 | 88 |
| 7/31/12 | 8:33:31 AM | 0.28 | 224 | 1014 | 88 |
| 7/31/12 | 8:34:31 AM | 0.28 | 226 | 1017 | 87 |
| 7/31/12 | 8:35:31 AM | 0.28 | 227 | 1016 | 85 |
| 7/31/12 | 8:36:31 AM | 0.28 | 227 | 1015 | 85 |
| 7/31/12 | 8:37:31 AM | 0.28 | 226 | 1009 | 85 |
| 7/31/12 | 8:38:31 AM | 0.28 | 226 | 1010 | 85 |
| 7/31/12 | 8:39:31 AM | 0.28 | 228 | 1008 | 85 |
| 7/31/12 | 8:40:31 AM | 0.28 | 228 | 1005 | 85 |
| 7/31/12 | 8:41:31 AM | 0.28 | 227 | 1004 | 84 |
| 7/31/12 | 8:42:31 AM | 0.28 | 227 | 1002 | 84 |
| 7/31/12 | 8:43:31 AM | 0.28 | 227 | 1015 | 83 |
| 7/31/12 | 8:44:31 AM | 0.29 | 227 | 1008 | 83 |
| 7/31/12 | 8:45:31 AM | 0.28 | 227 | 1005 | 83 |
| 7/31/12 | 8:46:31 AM | 0.28 | 227 | 1004 | 82 |
| 7/31/12 | 8:47:31 AM | 0.28 | 228 | 1003 | 81 |
| 7/31/12 | 8:48:31 AM | 0.28 | 228 | 998 | 81 |
| 7/31/12 | 8:49:31 AM | 0.28 | 228 | 994 | 81 |
| 7/31/12 | 8:50:31 AM | 0.28 | 228 | 989 | 81 |
| 7/31/12 | 8:51:31 AM | 0.28 | 228 | 985 | 81 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 8:52:31 AM | 0.28 | 228 | 984 | 80 |
| 7/31/12 | 8:53:31 AM | 0.28 | 227 | 977 | 79 |
| 7/31/12 | 8:54:31 AM | 0.28 | 226 | 970 | 79 |
| 7/31/12 | 8:55:31 AM | 0.28 | 227 | 966 | 79 |
| 7/31/12 | 8:56:31 AM | 0.28 | 227 | 965 | 77 |
| 7/31/12 | 8:57:31 AM | 0.28 | 227 | 965 | 77 |
| 7/31/12 | 8:58:31 AM | 0.28 | 228 | 965 | 77 |
| 7/31/12 | 8:59:31 AM | 0.28 | 228 | 963 | 77 |
| 7/31/12 | 9:00:31 AM | 0.28 | 228 | 958 | 77 |
| 7/31/12 | 9:01:31 AM | 0.28 | 227 | 954 | 77 |
| 7/31/12 | 9:02:31 AM | 0.28 | 228 | 954 | 76 |
| 7/31/12 | 9:03:31 AM | 0.28 | 229 | 954 | 76 |
| 7/31/12 | 9:04:31 AM | 0.28 | 229 | 954 | 75 |
| 7/31/12 | 9:05:31 AM | 0.28 | 230 | 950 | 75 |
| 7/31/12 | 9:06:31 AM | 0.28 | 230 | 950 | 75 |
| 7/31/12 | 9:07:31 AM | 0.28 | 230 | 950 | 74 |
| 7/31/12 | 9:08:31 AM | 0.28 | 229 | 949 | 73 |
| 7/31/12 | 9:09:31 AM | 0.28 | 226 | 953 | 73 |
| 7/31/12 | 9:10:31 AM | 0.28 | 226 | 949 | 73 |
| 7/31/12 | 9:11:31 AM | 0.28 | 224 | 940 | 73 |
| 7/31/12 | 9:12:31 AM | 0.28 | 224 | 933 | 73 |
| 7/31/12 | 9:13:31 AM | 0.28 | 225 | 930 | 73 |
| 7/31/12 | 9:14:31 AM | 0.28 | 224 | 929 | 72 |
| 7/31/12 | 9:15:31 AM | 0.28 | 224 | 918 | 72 |
| 7/31/12 | 9:16:31 AM | 0.28 | 225 | 917 | 72 |
| 7/31/12 | 9:17:31 AM | 0.28 | 226 | 914 | 71 |
| 7/31/12 | 9:18:31 AM | 0.28 | 227 | 916 | 71 |
| 7/31/12 | 9:19:31 AM | 0.28 | 227 | 919 | 70 |
| 7/31/12 | 9:20:31 AM | 0.28 | 227 | 911 | 70 |
| 7/31/12 | 9:21:31 AM | 0.28 | 227 | 910 | 70 |
| 7/31/12 | 9:22:31 AM | 0.28 | 227 | 907 | 69 |
| 7/31/12 | 9:23:31 AM | 0.28 | 227 | 907 | 69 |
| 7/31/12 | 9:24:31 AM | 0.28 | 227 | 902 | 69 |
| 7/31/12 | 9:25:31 AM | 0.28 | 226 | 898 | 69 |
| 7/31/12 | 9:26:31 AM | 0.28 | 225 | 891 | 68 |
| 7/31/12 | 9:27:31 AM | 0.28 | 226 | 886 | 68 |
| 7/31/12 | 9:28:31 AM | 0.28 | 227 | 886 | 68 |
| 7/31/12 | 9:29:31 AM | 0.28 | 226 | 885 | 67 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 9:30:31 AM | 0.28 | 227 | 891 | 67 |
| 7/31/12 | 9:31:31 AM | 0.28 | 228 | 891 | 67 |
| 7/31/12 | 9:32:31 AM | 0.28 | 228 | 886 | 67 |
| 7/31/12 | 9:33:31 AM | 0.28 | 226 | 880 | 67 |
| 7/31/12 | 9:34:31 AM | 0.28 | 225 | 875 | 66 |
| 7/31/12 | 9:35:31 AM | 0.28 | 224 | 872 | 65 |
| 7/31/12 | 9:36:31 AM | Start Calibration | | | |
| 7/31/12 | 9:37:31 AM | | | | |
| 7/31/12 | 9:38:31 AM | | | | |
| 7/31/12 | 9:39:31 AM | | | | |
| 7/31/12 | 9:40:31 AM | | | | |
| 7/31/12 | 9:41:31 AM | | | | |
| 7/31/12 | 9:42:31 AM | | | | |
| 7/31/12 | 9:43:31 AM | | | | |
| 7/31/12 | 9:44:31 AM | | | | |
| 7/31/12 | 9:45:31 AM | | | | |
| 7/31/12 | 9:46:31 AM | | | | |
| 7/31/12 | 9:47:31 AM | | | | |
| 7/31/12 | 9:48:31 AM | | | | |
| 7/31/12 | 9:49:31 AM | | | | |
| 7/31/12 | 9:50:31 AM | | | | |
| 7/31/12 | 9:51:31 AM | | | | |
| 7/31/12 | 9:52:31 AM | | | | |
| 7/31/12 | 9:53:31 AM | | | | |
| 7/31/12 | 9:54:31 AM | | | | |
| 7/31/12 | 9:55:31 AM | | | | |
| 7/31/12 | 9:56:31 AM | | | | |
| 7/31/12 | 9:57:31 AM | | | | |
| 7/31/12 | 9:58:31 AM | | | | |
| 7/31/12 | 9:59:31 AM | | | | |
| 7/31/12 | 10:00:31 AM | | | | |
| 7/31/12 | 10:01:31 AM | | | | |
| 7/31/12 | 10:02:31 AM | | | | |
| 7/31/12 | 10:03:31 AM | | | | |
| 7/31/12 | 10:04:31 AM | | | | |
| 7/31/12 | 10:05:31 AM | | | | |
| 7/31/12 | 10:06:31 AM | | | | |
| 7/31/12 | 10:07:31 AM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 10:08:31 AM | | | | |
| 7/31/12 | 10:09:31 AM | | | | |
| 7/31/12 | 10:10:31 AM | | | | |
| 7/31/12 | 10:11:31 AM | | | | |
| 7/31/12 | 10:12:31 AM | | | | |
| 7/31/12 | 10:13:31 AM | | | | |
| 7/31/12 | 10:14:31 AM | | | | |
| 7/31/12 | 10:15:31 AM | | | | |
| 7/31/12 | 10:16:31 AM | | | | |
| 7/31/12 | 10:17:31 AM | | | | |
| 7/31/12 | 10:18:31 AM | | | | |
| 7/31/12 | 10:19:31 AM | | | | |
| 7/31/12 | 10:20:31 AM | | | | |
| 7/31/12 | 10:21:31 AM | | | | |
| 7/31/12 | 10:22:31 AM | | | | |
| 7/31/12 | 10:23:31 AM | | | | |
| 7/31/12 | 10:24:31 AM | End Calibration | | | |
| 7/31/12 | 10:25:31 AM | 0.28 | 226 | 706 | 53 |
| 7/31/12 | 10:26:31 AM | 0.28 | 226 | 706 | 52 |
| 7/31/12 | 10:27:31 AM | 0.28 | 226 | 704 | 52 |
| 7/31/12 | 10:28:31 AM | 0.28 | 226 | 704 | 52 |
| 7/31/12 | 10:29:31 AM | 0.28 | 227 | 708 | 51 |
| 7/31/12 | 10:30:31 AM | 0.28 | 226 | 711 | 51 |
| 7/31/12 | 10:31:31 AM | 0.28 | 225 | 714 | 51 |
| 7/31/12 | 10:32:31 AM | 0.28 | 225 | 719 | 51 |
| 7/31/12 | 10:33:31 AM | 0.28 | 226 | 718 | 51 |
| 7/31/12 | 10:34:31 AM | 0.28 | 226 | 716 | 51 |
| 7/31/12 | 10:35:31 AM | 0.28 | 225 | 709 | 50 |
| 7/31/12 | 10:36:31 AM | 0.28 | 225 | 704 | 50 |
| 7/31/12 | 10:37:31 AM | 0.28 | 224 | 703 | 50 |
| 7/31/12 | 10:38:31 AM | 0.28 | 224 | 704 | 49 |
| 7/31/12 | 10:39:31 AM | 0.28 | 225 | 703 | 49 |
| 7/31/12 | 10:40:31 AM | 0.28 | 225 | 702 | 49 |
| 7/31/12 | 10:41:31 AM | 0.28 | 225 | 702 | 49 |
| 7/31/12 | 10:42:31 AM | 0.28 | 226 | 703 | 49 |
| 7/31/12 | 10:43:31 AM | 0.28 | 225 | 699 | 48 |
| 7/31/12 | 10:44:31 AM | 0.28 | 225 | 697 | 48 |
| 7/31/12 | 10:45:31 AM | 0.28 | 225 | 697 | 48 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 10:46:31 AM | 0.28 | 225 | 699 | 48 |
| 7/31/12 | 10:47:31 AM | 0.28 | 227 | 700 | 48 |
| 7/31/12 | 10:48:31 AM | 0.28 | 227 | 703 | 48 |
| 7/31/12 | 10:49:31 AM | 0.28 | 227 | 702 | 47 |
| 7/31/12 | 10:50:31 AM | 0.28 | 227 | 702 | 47 |
| 7/31/12 | 10:51:31 AM | 0.28 | 227 | 701 | 47 |
| 7/31/12 | 10:52:31 AM | 0.28 | 226 | 703 | 47 |
| 7/31/12 | 10:53:31 AM | 0.28 | 225 | 700 | 46 |
| 7/31/12 | 10:54:31 AM | 0.28 | 225 | 697 | 46 |
| 7/31/12 | 10:55:31 AM | 0.28 | 225 | 697 | 46 |
| 7/31/12 | 10:56:31 AM | 0.28 | 225 | 697 | 46 |
| 7/31/12 | 10:57:31 AM | 0.28 | 224 | 695 | 46 |
| 7/31/12 | 10:58:31 AM | 0.28 | 224 | 692 | 46 |
| 7/31/12 | 10:59:31 AM | 0.28 | 224 | 703 | 45 |
| 7/31/12 | 11:00:31 AM | 0.28 | 224 | 698 | 45 |
| 7/31/12 | 11:01:31 AM | 0.28 | 223 | 693 | 45 |
| 7/31/12 | 11:02:31 AM | 0.28 | 223 | 690 | 44 |
| 7/31/12 | 11:03:31 AM | 0.28 | 223 | 693 | 44 |
| 7/31/12 | 11:04:31 AM | 0.29 | 223 | 696 | 45 |
| 7/31/12 | 11:05:31 AM | 0.29 | 224 | 696 | 45 |
| 7/31/12 | 11:06:31 AM | 0.29 | 224 | 692 | 45 |
| 7/31/12 | 11:07:31 AM | 0.29 | 223 | 689 | 45 |
| 7/31/12 | 11:08:31 AM | 0.28 | 223 | 682 | 44 |
| 7/31/12 | 11:09:31 AM | 0.29 | 223 | 675 | 44 |
| 7/31/12 | 11:10:31 AM | 0.28 | 222 | 681 | 44 |
| 7/31/12 | 11:11:31 AM | 0.28 | 221 | 674 | 44 |
| 7/31/12 | 11:12:31 AM | 0.28 | 222 | 671 | 44 |
| 7/31/12 | 11:13:31 AM | 0.28 | 221 | 671 | 43 |
| 7/31/12 | 11:14:31 AM | 0.28 | 222 | 670 | 43 |
| 7/31/12 | 11:15:31 AM | 0.28 | 222 | 669 | 43 |
| 7/31/12 | 11:16:31 AM | 0.28 | 222 | 669 | 43 |
| 7/31/12 | 11:17:31 AM | 0.28 | 222 | 677 | 43 |
| 7/31/12 | 11:18:31 AM | 0.28 | 220 | 673 | 43 |
| 7/31/12 | 11:19:31 AM | 0.28 | 220 | 669 | 42 |
| 7/31/12 | 11:20:31 AM | 0.29 | 220 | 667 | 42 |
| 7/31/12 | 11:21:31 AM | 0.28 | 219 | 669 | 42 |
| 7/31/12 | 11:22:31 AM | 0.28 | 223 | 670 | 42 |
| 7/31/12 | 11:23:31 AM | 0.28 | 225 | 674 | 42 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 11:24:31 AM | 0.28 | 226 | 676 | 42 |
| 7/31/12 | 11:25:31 AM | 0.28 | 226 | 679 | 42 |
| 7/31/12 | 11:26:31 AM | 0.28 | 225 | 676 | 41 |
| 7/31/12 | 11:27:31 AM | 0.28 | 225 | 672 | 41 |
| 7/31/12 | 11:28:31 AM | 0.28 | 225 | 673 | 41 |
| 7/31/12 | 11:29:31 AM | 0.28 | 225 | 672 | 41 |
| 7/31/12 | 11:30:31 AM | 0.28 | 225 | 669 | 41 |
| 7/31/12 | 11:31:31 AM | 0.29 | 223 | 667 | 41 |
| 7/31/12 | 11:32:31 AM | 0.28 | 222 | 662 | 40 |
| 7/31/12 | 11:33:31 AM | 0.28 | 223 | 667 | 40 |
| 7/31/12 | 11:34:31 AM | 0.28 | 222 | 670 | 40 |
| 7/31/12 | 11:35:31 AM | 0.28 | 221 | 666 | 40 |
| 7/31/12 | 11:36:31 AM | 0.28 | 220 | 665 | 40 |
| 7/31/12 | 11:37:31 AM | 0.28 | 221 | 666 | 40 |
| 7/31/12 | 11:38:31 AM | 0.28 | 220 | 662 | 39 |
| 7/31/12 | 11:39:31 AM | 0.29 | 220 | 656 | 39 |
| 7/31/12 | 11:40:31 AM | 0.28 | 221 | 653 | 39 |
| 7/31/12 | 11:41:31 AM | 0.28 | 220 | 653 | 39 |
| 7/31/12 | 11:42:31 AM | 0.29 | 220 | 653 | 39 |
| 7/31/12 | 11:43:31 AM | 0.29 | 219 | 655 | 39 |
| 7/31/12 | 11:44:31 AM | 0.28 | 218 | 651 | 39 |
| 7/31/12 | 11:45:31 AM | 0.28 | 218 | 650 | 39 |
| 7/31/12 | 11:46:31 AM | 0.28 | 218 | 657 | 39 |
| 7/31/12 | 11:47:31 AM | 0.29 | 219 | 657 | 38 |
| 7/31/12 | 11:48:31 AM | 0.28 | 219 | 655 | 38 |
| 7/31/12 | 11:49:31 AM | 0.28 | 219 | 654 | 38 |
| 7/31/12 | 11:50:31 AM | 0.28 | 219 | 649 | 38 |
| 7/31/12 | 11:51:31 AM | 0.29 | 220 | 647 | 38 |
| 7/31/12 | 11:52:31 AM | 0.28 | 222 | 651 | 38 |
| 7/31/12 | 11:53:31 AM | 0.29 | 222 | 649 | 37 |
| 7/31/12 | 11:54:31 AM | 0.28 | 221 | 647 | 37 |
| 7/31/12 | 11:55:31 AM | 0.28 | 221 | 642 | 37 |
| 7/31/12 | 11:56:31 AM | 0.28 | 221 | 637 | 37 |
| 7/31/12 | 11:57:31 AM | 0.28 | 221 | 638 | 37 |
| 7/31/12 | 11:58:31 AM | 0.29 | 221 | 639 | 37 |
| 7/31/12 | 11:59:31 AM | 0.29 | 222 | 638 | 36 |
| 7/31/12 | 12:00:31 PM | 0.28 | 221 | 650 | 36 |
| 7/31/12 | 12:01:31 PM | 0.29 | 219 | 650 | 36 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 12:02:31 PM | 0.29 | 219 | 647 | 36 |
| 7/31/12 | 12:03:31 PM | 0.28 | 219 | 626 | 36 |
| 7/31/12 | 12:04:31 PM | 0.28 | 221 | 475 | 24 |
| 7/31/12 | 12:05:31 PM | 0.28 | 223 | 629 | 0 |
| 7/31/12 | 12:06:31 PM | 0.28 | 224 | 637 | 0 |
| 7/31/12 | 12:07:31 PM | 0.28 | 224 | 644 | 12 |
| 7/31/12 | 12:08:31 PM | 0.29 | 223 | 643 | 35 |
| 7/31/12 | 12:09:31 PM | 0.28 | 222 | 642 | 35 |
| 7/31/12 | 12:10:31 PM | 0.29 | 221 | 639 | 35 |
| 7/31/12 | 12:11:31 PM | 0.28 | 222 | 638 | 35 |
| 7/31/12 | 12:12:31 PM | 0.28 | 222 | 640 | 35 |
| 7/31/12 | 12:13:31 PM | 0.28 | 222 | 646 | 35 |
| 7/31/12 | 12:14:31 PM | 0.28 | 221 | 642 | 34 |
| 7/31/12 | 12:15:31 PM | 0.28 | 221 | 637 | 34 |
| 7/31/12 | 12:16:31 PM | 0.28 | 221 | 638 | 34 |
| 7/31/12 | 12:17:31 PM | 0.28 | 221 | 639 | 34 |
| 7/31/12 | 12:18:31 PM | 0.28 | 221 | 637 | 34 |
| 7/31/12 | 12:19:31 PM | 0.28 | 220 | 636 | 34 |
| 7/31/12 | 12:20:31 PM | 0.28 | 219 | 636 | 34 |
| 7/31/12 | 12:21:31 PM | 0.29 | 219 | 636 | 34 |
| 7/31/12 | 12:22:31 PM | 0.28 | 217 | 633 | 34 |
| 7/31/12 | 12:23:31 PM | 0.29 | 217 | 632 | 34 |
| 7/31/12 | 12:24:31 PM | 0.28 | 216 | 630 | 34 |
| 7/31/12 | 12:25:31 PM | 0.28 | 217 | 629 | 34 |
| 7/31/12 | 12:26:31 PM | 0.28 | 219 | 627 | 33 |
| 7/31/12 | 12:27:31 PM | 0.29 | 220 | 632 | 33 |
| 7/31/12 | 12:28:31 PM | 0.29 | 221 | 641 | 33 |
| 7/31/12 | 12:29:31 PM | 0.28 | 221 | 638 | 33 |
| 7/31/12 | 12:30:31 PM | 0.28 | 221 | 638 | 33 |
| 7/31/12 | 12:31:31 PM | 0.28 | 221 | 634 | 33 |
| 7/31/12 | 12:32:31 PM | 0.28 | 222 | 633 | 32 |
| 7/31/12 | 12:33:31 PM | 0.28 | 222 | 634 | 32 |
| 7/31/12 | 12:34:31 PM | 0.28 | 222 | 631 | 32 |
| 7/31/12 | 12:35:31 PM | 0.28 | 223 | 625 | 32 |
| 7/31/12 | 12:36:31 PM | 0.28 | 222 | 625 | 32 |
| 7/31/12 | 12:37:31 PM | 0.28 | 222 | 623 | 32 |
| 7/31/12 | 12:38:31 PM | 0.28 | 220 | 624 | 31 |
| 7/31/12 | 12:39:31 PM | 0.28 | 220 | 619 | 31 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 12:40:31 PM | 0.29 | 220 | 618 | 31 |
| 7/31/12 | 12:41:31 PM | 0.29 | 219 | 618 | 31 |
| 7/31/12 | 12:42:31 PM | 0.29 | 217 | 615 | 31 |
| 7/31/12 | 12:43:31 PM | 0.29 | 217 | 622 | 31 |
| 7/31/12 | 12:44:31 PM | 0.28 | 218 | 621 | 31 |
| 7/31/12 | 12:45:31 PM | 0.29 | 220 | 621 | 31 |
| 7/31/12 | 12:46:31 PM | 0.29 | 219 | 617 | 31 |
| 7/31/12 | 12:47:31 PM | 0.29 | 219 | 612 | 31 |
| 7/31/12 | 12:48:31 PM | 0.29 | 220 | 617 | 31 |
| 7/31/12 | 12:49:31 PM | 0.29 | 219 | 619 | 31 |
| 7/31/12 | 12:50:31 PM | 0.29 | 219 | 612 | 31 |
| 7/31/12 | 12:51:31 PM | 0.29 | 219 | 608 | 31 |
| 7/31/12 | 12:52:31 PM | 0.29 | 218 | 605 | 31 |
| 7/31/12 | 12:53:31 PM | 0.29 | 218 | 605 | 30 |
| 7/31/12 | 12:54:31 PM | 0.29 | 218 | 605 | 30 |
| 7/31/12 | 12:55:31 PM | 0.29 | 218 | 605 | 30 |
| 7/31/12 | 12:56:31 PM | 0.29 | 218 | 602 | 30 |
| 7/31/12 | 12:57:31 PM | 0.28 | 219 | 604 | 30 |
| 7/31/12 | 12:58:31 PM | 0.28 | 222 | 612 | 30 |
| 7/31/12 | 12:59:31 PM | 0.28 | 222 | 612 | 30 |
| 7/31/12 | 1:00:31 PM | 0.29 | 222 | 608 | 30 |
| 7/31/12 | 1:01:31 PM | 0.28 | 222 | 602 | 29 |
| 7/31/12 | 1:02:31 PM | 0.28 | 223 | 600 | 29 |
| 7/31/12 | 1:03:31 PM | 0.28 | 223 | 598 | 29 |
| 7/31/12 | 1:04:31 PM | 0.29 | 225 | 596 | 29 |
| 7/31/12 | 1:05:31 PM | 0.28 | 225 | 598 | 29 |
| 7/31/12 | 1:06:31 PM | 0.28 | 226 | 597 | 29 |
| 7/31/12 | 1:07:31 PM | 0.28 | 226 | 600 | 29 |
| 7/31/12 | 1:08:31 PM | 0.28 | 225 | 599 | 29 |
| 7/31/12 | 1:09:31 PM | 0.29 | 225 | 599 | 29 |
| 7/31/12 | 1:10:31 PM | 0.28 | 225 | 596 | 28 |
| 7/31/12 | 1:11:31 PM | 0.29 | 224 | 592 | 28 |
| 7/31/12 | 1:12:31 PM | 0.28 | 223 | 593 | 28 |
| 7/31/12 | 1:13:31 PM | 0.28 | 222 | 591 | 28 |
| 7/31/12 | 1:14:31 PM | 0.28 | 220 | 596 | 28 |
| 7/31/12 | 1:15:31 PM | 0.28 | 221 | 591 | 28 |
| 7/31/12 | 1:16:31 PM | 0.28 | 223 | 593 | 28 |
| 7/31/12 | 1:17:31 PM | 0.28 | 224 | 593 | 28 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 1:18:31 PM | 0.28 | 223 | 592 | 28 |
| 7/31/12 | 1:19:31 PM | 0.28 | 222 | 591 | 28 |
| 7/31/12 | 1:20:31 PM | 0.28 | 221 | 586 | 28 |
| 7/31/12 | 1:21:31 PM | 0.28 | 220 | 580 | 28 |
| 7/31/12 | 1:22:31 PM | 0.28 | 220 | 578 | 28 |
| 7/31/12 | 1:23:31 PM | 0.28 | 220 | 577 | 27 |
| 7/31/12 | 1:24:31 PM | 0.28 | 221 | 577 | 27 |
| 7/31/12 | 1:25:31 PM | 0.28 | 221 | 578 | 27 |
| 7/31/12 | 1:26:31 PM | 0.29 | 222 | 576 | 27 |
| 7/31/12 | 1:27:31 PM | 0.28 | 221 | 574 | 27 |
| 7/31/12 | 1:28:31 PM | 0.29 | 221 | 574 | 27 |
| 7/31/12 | 1:29:31 PM | 0.29 | 220 | 575 | 27 |
| 7/31/12 | 1:30:31 PM | 0.29 | 220 | 578 | 27 |
| 7/31/12 | 1:31:31 PM | 0.29 | 219 | 578 | 27 |
| 7/31/12 | 1:32:31 PM | 0.28 | 219 | 575 | 26 |
| 7/31/12 | 1:33:31 PM | 0.28 | 219 | 574 | 26 |
| 7/31/12 | 1:34:31 PM | 0.28 | 219 | 569 | 26 |
| 7/31/12 | 1:35:31 PM | 0.28 | 218 | 567 | 26 |
| 7/31/12 | 1:36:31 PM | 0.29 | 218 | 565 | 26 |
| 7/31/12 | 1:37:31 PM | 0.29 | 217 | 563 | 26 |
| 7/31/12 | 1:38:31 PM | 0.29 | 218 | 564 | 26 |
| 7/31/12 | 1:39:31 PM | 0.29 | 217 | 564 | 26 |
| 7/31/12 | 1:40:31 PM | 0.29 | 217 | 562 | 26 |
| 7/31/12 | 1:41:31 PM | 0.29 | 217 | 561 | 26 |
| 7/31/12 | 1:42:31 PM | 0.29 | 217 | 560 | 26 |
| 7/31/12 | 1:43:31 PM | 0.28 | 217 | 566 | 26 |
| 7/31/12 | 1:44:31 PM | 0.28 | 217 | 564 | 26 |
| 7/31/12 | 1:45:31 PM | 0.28 | 218 | 568 | 26 |
| 7/31/12 | 1:46:31 PM | 0.28 | 218 | 566 | 26 |
| 7/31/12 | 1:47:31 PM | 0.29 | 218 | 561 | 25 |
| 7/31/12 | 1:48:31 PM | 0.28 | 219 | 559 | 25 |
| 7/31/12 | 1:49:31 PM | 0.28 | 218 | 556 | 25 |
| 7/31/12 | 1:50:31 PM | 0.28 | 218 | 555 | 25 |
| 7/31/12 | 1:51:31 PM | 0.28 | 218 | 554 | 25 |
| 7/31/12 | 1:52:31 PM | 0.28 | 218 | 555 | 25 |
| 7/31/12 | 1:53:31 PM | 0.28 | 217 | 561 | 25 |
| 7/31/12 | 1:54:31 PM | 0.28 | 217 | 561 | 25 |
| 7/31/12 | 1:55:31 PM | 0.28 | 218 | 554 | 25 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 1:56:31 PM | 0.28 | 218 | 556 | 24 |
| 7/31/12 | 1:57:31 PM | 0.29 | 219 | 553 | 24 |
| 7/31/12 | 1:58:31 PM | 0.28 | 218 | 555 | 24 |
| 7/31/12 | 1:59:31 PM | 0.28 | 218 | 550 | 25 |
| 7/31/12 | 2:00:31 PM | 0.28 | 219 | 550 | 25 |
| 7/31/12 | 2:01:31 PM | 0.28 | 218 | 551 | 24 |
| 7/31/12 | 2:02:31 PM | 0.28 | 218 | 558 | 24 |
| 7/31/12 | 2:03:31 PM | 0.29 | 218 | 557 | 24 |
| 7/31/12 | 2:04:31 PM | 0.29 | 218 | 554 | 24 |
| 7/31/12 | 2:05:31 PM | 0.28 | 218 | 555 | 24 |
| 7/31/12 | 2:06:31 PM | 0.28 | 219 | 556 | 24 |
| 7/31/12 | 2:07:31 PM | 0.28 | 218 | 553 | 24 |
| 7/31/12 | 2:08:31 PM | 0.28 | 218 | 552 | 24 |
| 7/31/12 | 2:09:31 PM | 0.28 | 218 | 552 | 24 |
| 7/31/12 | 2:10:31 PM | 0.28 | 218 | 551 | 24 |
| 7/31/12 | 2:11:31 PM | 0.29 | 218 | 552 | 23 |
| 7/31/12 | 2:12:31 PM | 0.28 | 217 | 552 | 23 |
| 7/31/12 | 2:13:31 PM | 0.28 | 218 | 549 | 24 |
| 7/31/12 | 2:14:31 PM | 0.28 | 218 | 550 | 24 |
| 7/31/12 | 2:15:31 PM | 0.28 | 217 | 547 | 24 |
| 7/31/12 | 2:16:31 PM | 0.29 | 218 | 548 | 24 |
| 7/31/12 | 2:17:31 PM | 0.28 | 217 | 547 | 24 |
| 7/31/12 | 2:18:31 PM | 0.28 | 217 | 550 | 24 |
| 7/31/12 | 2:19:31 PM | 0.28 | 217 | 557 | 23 |
| 7/31/12 | 2:20:31 PM | 0.28 | 217 | 556 | 23 |
| 7/31/12 | 2:21:31 PM | 0.28 | 217 | 555 | 23 |
| 7/31/12 | 2:22:31 PM | 0.29 | 217 | 555 | 23 |
| 7/31/12 | 2:23:31 PM | 0.28 | 219 | 557 | 23 |
| 7/31/12 | 2:24:31 PM | 0.29 | 218 | 556 | 23 |
| 7/31/12 | 2:25:31 PM | 0.28 | 220 | 560 | 23 |
| 7/31/12 | 2:26:31 PM | 0.29 | 220 | 562 | 23 |
| 7/31/12 | 2:27:31 PM | 0.29 | 220 | 559 | 23 |
| 7/31/12 | 2:28:31 PM | 0.28 | 220 | 558 | 23 |
| 7/31/12 | 2:29:31 PM | 0.28 | 221 | 556 | 22 |
| 7/31/12 | 2:30:31 PM | 0.28 | 222 | 558 | 22 |
| 7/31/12 | 2:31:31 PM | 0.28 | 223 | 558 | 22 |
| 7/31/12 | 2:32:31 PM | 0.28 | 223 | 560 | 22 |
| 7/31/12 | 2:33:31 PM | 0.29 | 224 | 557 | 22 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 2:34:31 PM | 0.28 | 223 | 557 | 22 |
| 7/31/12 | 2:35:31 PM | 0.29 | 222 | 559 | 22 |
| 7/31/12 | 2:36:31 PM | 0.28 | 220 | 554 | 22 |
| 7/31/12 | 2:37:31 PM | 0.28 | 219 | 549 | 22 |
| 7/31/12 | 2:38:31 PM | 0.28 | 219 | 549 | 22 |
| 7/31/12 | 2:39:31 PM | 0.28 | 219 | 547 | 22 |
| 7/31/12 | 2:40:31 PM | 0.28 | 220 | 543 | 22 |
| 7/31/12 | 2:41:31 PM | 0.28 | 219 | 543 | 22 |
| 7/31/12 | 2:42:31 PM | 0.28 | 219 | 544 | 22 |
| 7/31/12 | 2:43:31 PM | 0.29 | 219 | 541 | 22 |
| 7/31/12 | 2:44:31 PM | 0.28 | 218 | 539 | 22 |
| 7/31/12 | 2:45:31 PM | 0.28 | 218 | 537 | 22 |
| 7/31/12 | 2:46:31 PM | 0.28 | 218 | 536 | 21 |
| 7/31/12 | 2:47:31 PM | 0.28 | 218 | 537 | 21 |
| 7/31/12 | 2:48:31 PM | 0.28 | 219 | 539 | 21 |
| 7/31/12 | 2:49:31 PM | 0.28 | 219 | 537 | 21 |
| 7/31/12 | 2:50:31 PM | 0.28 | 219 | 538 | 21 |
| 7/31/12 | 2:51:31 PM | 0.28 | 220 | 535 | 21 |
| 7/31/12 | 2:52:31 PM | 0.28 | 220 | 544 | 21 |
| 7/31/12 | 2:53:31 PM | 0.28 | 219 | 540 | 21 |
| 7/31/12 | 2:54:31 PM | 0.28 | 218 | 537 | 21 |
| 7/31/12 | 2:55:31 PM | 0.28 | 218 | 533 | 21 |
| 7/31/12 | 2:56:31 PM | 0.28 | 217 | 533 | 21 |
| 7/31/12 | 2:57:31 PM | 0.29 | 217 | 532 | 21 |
| 7/31/12 | 2:58:31 PM | 0.28 | 217 | 533 | 21 |
| 7/31/12 | 2:59:31 PM | 0.28 | 218 | 536 | 21 |
| 7/31/12 | 3:00:31 PM | 0.28 | 218 | 536 | 21 |
| 7/31/12 | 3:01:31 PM | 0.29 | 219 | 538 | 21 |
| 7/31/12 | 3:02:31 PM | 0.29 | 218 | 538 | 21 |
| 7/31/12 | 3:03:31 PM | 0.28 | 219 | 538 | 21 |
| 7/31/12 | 3:04:31 PM | 0.28 | 218 | 537 | 21 |
| 7/31/12 | 3:05:31 PM | 0.29 | 217 | 540 | 21 |
| 7/31/12 | 3:06:31 PM | 0.29 | 216 | 539 | 21 |
| 7/31/12 | 3:07:31 PM | 0.29 | 217 | 535 | 21 |
| 7/31/12 | 3:08:31 PM | 0.29 | 218 | 536 | 21 |
| 7/31/12 | 3:09:31 PM | 0.28 | 216 | 536 | 21 |
| 7/31/12 | 3:10:31 PM | 0.29 | 216 | 534 | 21 |
| 7/31/12 | 3:11:31 PM | 0.29 | 218 | 533 | 20 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 3:12:31 PM | 0.28 | 218 | 534 | 20 |
| 7/31/12 | 3:13:31 PM | 0.28 | 219 | 541 | 20 |
| 7/31/12 | 3:14:31 PM | 0.29 | 220 | 541 | 20 |
| 7/31/12 | 3:15:31 PM | 0.28 | 221 | 539 | 20 |
| 7/31/12 | 3:16:31 PM | 0.28 | 223 | 541 | 20 |
| 7/31/12 | 3:17:31 PM | 0.28 | 222 | 543 | 20 |
| 7/31/12 | 3:18:31 PM | 0.28 | 221 | 539 | 20 |
| 7/31/12 | 3:19:31 PM | 0.29 | 221 | 538 | 20 |
| 7/31/12 | 3:20:31 PM | 0.28 | 223 | 543 | 20 |
| 7/31/12 | 3:21:31 PM | 0.29 | 221 | 543 | 20 |
| 7/31/12 | 3:22:31 PM | 0.28 | 221 | 539 | 20 |
| 7/31/12 | 3:23:31 PM | 0.28 | 221 | 539 | 20 |
| 7/31/12 | 3:24:31 PM | 0.28 | 222 | 539 | 20 |
| 7/31/12 | 3:25:31 PM | 0.28 | 222 | 541 | 20 |
| 7/31/12 | 3:26:31 PM | 0.28 | 221 | 541 | 20 |
| 7/31/12 | 3:27:31 PM | 0.28 | 220 | 540 | 20 |
| 7/31/12 | 3:28:31 PM | 0.29 | 221 | 537 | 20 |
| 7/31/12 | 3:29:31 PM | 0.29 | 221 | 542 | 20 |
| 7/31/12 | 3:30:31 PM | 0.29 | 219 | 540 | 20 |
| 7/31/12 | 3:31:31 PM | 0.28 | 218 | 537 | 20 |
| 7/31/12 | 3:32:31 PM | 0.28 | 218 | 533 | 20 |
| 7/31/12 | 3:33:31 PM | 0.28 | 220 | 532 | 20 |
| 7/31/12 | 3:34:31 PM | 0.28 | 219 | 529 | 20 |
| 7/31/12 | 3:35:31 PM | 0.29 | 219 | 528 | 20 |
| 7/31/12 | 3:36:31 PM | 0.29 | 220 | 530 | 20 |
| 7/31/12 | 3:37:31 PM | 0.28 | 220 | 530 | 20 |
| 7/31/12 | 3:38:31 PM | 0.28 | 220 | 530 | 19 |
| 7/31/12 | 3:39:31 PM | 0.28 | 220 | 528 | 19 |
| 7/31/12 | 3:40:31 PM | 0.29 | 221 | 528 | 19 |
| 7/31/12 | 3:41:31 PM | 0.28 | 221 | 525 | 19 |
| 7/31/12 | 3:42:31 PM | 0.29 | 220 | 522 | 19 |
| 7/31/12 | 3:43:31 PM | 0.28 | 220 | 525 | 19 |
| 7/31/12 | 3:44:31 PM | 0.28 | 220 | 527 | 19 |
| 7/31/12 | 3:45:31 PM | 0.29 | 220 | 524 | 19 |
| 7/31/12 | 3:46:31 PM | 0.28 | 221 | 526 | 19 |
| 7/31/12 | 3:47:31 PM | 0.28 | 221 | 525 | 19 |
| 7/31/12 | 3:48:31 PM | 0.28 | 221 | 524 | 19 |
| 7/31/12 | 3:49:31 PM | 0.28 | 222 | 522 | 19 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 3:50:31 PM | 0.28 | 221 | 522 | 19 |
| 7/31/12 | 3:51:31 PM | 0.28 | 222 | 522 | 19 |
| 7/31/12 | 3:52:31 PM | 0.28 | 221 | 519 | 19 |
| 7/31/12 | 3:53:31 PM | 0.28 | 221 | 515 | 18 |
| 7/31/12 | 3:54:31 PM | 0.28 | 221 | 515 | 18 |
| 7/31/12 | 3:55:31 PM | 0.28 | 221 | 515 | 18 |
| 7/31/12 | 3:56:31 PM | 0.28 | 221 | 516 | 18 |
| 7/31/12 | 3:57:31 PM | 0.28 | 222 | 517 | 18 |
| 7/31/12 | 3:58:31 PM | 0.28 | 222 | 526 | 18 |
| 7/31/12 | 3:59:31 PM | 0.28 | 221 | 522 | 18 |
| 7/31/12 | 4:00:31 PM | 0.28 | 220 | 518 | 18 |
| 7/31/12 | 4:01:31 PM | 0.28 | 220 | 518 | 18 |
| 7/31/12 | 4:02:31 PM | 0.28 | 221 | 514 | 18 |
| 7/31/12 | 4:03:31 PM | 0.28 | 223 | 517 | 18 |
| 7/31/12 | 4:04:31 PM | 0.28 | 224 | 520 | 18 |
| 7/31/12 | 4:05:31 PM | 0.28 | 225 | 522 | 18 |
| 7/31/12 | 4:06:31 PM | 0.28 | 226 | 526 | 18 |
| 7/31/12 | 4:07:31 PM | 0.28 | 226 | 532 | 18 |
| 7/31/12 | 4:08:31 PM | 0.28 | 225 | 531 | 18 |
| 7/31/12 | 4:09:31 PM | 0.28 | 224 | 528 | 18 |
| 7/31/12 | 4:10:31 PM | 0.28 | 224 | 522 | 18 |
| 7/31/12 | 4:11:31 PM | 0.28 | 223 | 523 | 18 |
| 7/31/12 | 4:12:31 PM | 0.28 | 222 | 523 | 18 |
| 7/31/12 | 4:13:31 PM | 0.29 | 221 | 517 | 18 |
| 7/31/12 | 4:14:31 PM | 0.28 | 222 | 512 | 18 |
| 7/31/12 | 4:15:31 PM | 0.28 | 222 | 517 | 18 |
| 7/31/12 | 4:16:31 PM | 0.28 | 222 | 516 | 18 |
| 7/31/12 | 4:17:31 PM | 0.28 | 221 | 516 | 18 |
| 7/31/12 | 4:18:31 PM | 0.28 | 221 | 517 | 18 |
| 7/31/12 | 4:19:31 PM | 0.28 | 221 | 518 | 18 |
| 7/31/12 | 4:20:31 PM | 0.28 | 222 | 518 | 18 |
| 7/31/12 | 4:21:31 PM | 0.28 | 221 | 522 | 18 |
| 7/31/12 | 4:22:31 PM | 0.28 | 221 | 522 | 18 |
| 7/31/12 | 4:23:31 PM | 0.29 | 221 | 520 | 18 |
| 7/31/12 | 4:24:31 PM | 0.28 | 223 | 521 | 18 |
| 7/31/12 | 4:25:31 PM | 0.28 | 225 | 523 | 18 |
| 7/31/12 | 4:26:31 PM | 0.29 | 225 | 534 | 18 |
| 7/31/12 | 4:27:31 PM | 0.29 | 225 | 532 | 18 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 4:28:31 PM | 0.28 | 224 | 530 | 18 |
| 7/31/12 | 4:29:31 PM | 0.28 | 224 | 528 | 18 |
| 7/31/12 | 4:30:31 PM | 0.29 | 223 | 524 | 18 |
| 7/31/12 | 4:31:31 PM | 0.29 | 223 | 521 | 17 |
| 7/31/12 | 4:32:31 PM | 0.29 | 222 | 520 | 17 |
| 7/31/12 | 4:33:31 PM | 0.29 | 222 | 516 | 17 |
| 7/31/12 | 4:34:31 PM | 0.29 | 221 | 516 | 17 |
| 7/31/12 | 4:35:31 PM | 0.29 | 220 | 513 | 17 |
| 7/31/12 | 4:36:31 PM | 0.29 | 219 | 510 | 17 |
| 7/31/12 | 4:37:31 PM | 0.29 | 218 | 506 | 17 |
| 7/31/12 | 4:38:31 PM | 0.28 | 218 | 502 | 17 |
| 7/31/12 | 4:39:31 PM | 0.29 | 218 | 505 | 17 |
| 7/31/12 | 4:40:31 PM | 0.29 | 219 | 507 | 17 |
| 7/31/12 | 4:41:31 PM | 0.28 | 218 | 507 | 17 |
| 7/31/12 | 4:42:31 PM | 0.29 | 218 | 504 | 17 |
| 7/31/12 | 4:43:31 PM | 0.29 | 218 | 502 | 17 |
| 7/31/12 | 4:44:31 PM | 0.29 | 219 | 505 | 17 |
| 7/31/12 | 4:45:31 PM | 0.29 | 218 | 505 | 17 |
| 7/31/12 | 4:46:31 PM | 0.28 | 218 | 503 | 17 |
| 7/31/12 | 4:47:31 PM | 0.29 | 218 | 500 | 17 |
| 7/31/12 | 4:48:31 PM | 0.29 | 220 | 505 | 17 |
| 7/31/12 | 4:49:31 PM | 0.29 | 219 | 503 | 17 |
| 7/31/12 | 4:50:31 PM | 0.30 | 218 | 502 | 17 |
| 7/31/12 | 4:51:31 PM | 0.29 | 217 | 499 | 17 |
| 7/31/12 | 4:52:31 PM | 0.30 | 217 | 500 | 17 |
| 7/31/12 | 4:53:31 PM | 0.29 | 218 | 509 | 17 |
| 7/31/12 | 4:54:31 PM | 0.29 | 217 | 508 | 17 |
| 7/31/12 | 4:55:31 PM | 0.29 | 216 | 502 | 17 |
| 7/31/12 | 4:56:31 PM | 0.29 | 217 | 500 | 17 |
| 7/31/12 | 4:57:31 PM | 0.29 | 217 | 504 | 17 |
| 7/31/12 | 4:58:31 PM | 0.29 | 218 | 501 | 17 |
| 7/31/12 | 4:59:31 PM | 0.29 | 218 | 498 | 17 |
| 7/31/12 | 5:00:31 PM | 0.29 | 218 | 499 | 17 |
| 7/31/12 | 5:01:31 PM | 0.29 | 218 | 499 | 17 |
| 7/31/12 | 5:02:31 PM | 0.30 | 219 | 500 | 17 |
| 7/31/12 | 5:03:31 PM | 0.29 | 219 | 501 | 17 |
| 7/31/12 | 5:04:31 PM | 0.29 | 218 | 502 | 16 |
| 7/31/12 | 5:05:31 PM | 0.30 | 219 | 500 | 16 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 5:06:31 PM | 0.29 | 218 | 503 | 16 |
| 7/31/12 | 5:07:31 PM | 0.29 | 219 | 502 | 16 |
| 7/31/12 | 5:08:31 PM | 0.29 | 219 | 505 | 16 |
| 7/31/12 | 5:09:31 PM | 0.29 | 220 | 505 | 16 |
| 7/31/12 | 5:10:31 PM | 0.28 | 218 | 510 | 16 |
| 7/31/12 | 5:11:31 PM | 0.28 | 219 | 510 | 16 |
| 7/31/12 | 5:12:31 PM | 0.28 | 220 | 509 | 16 |
| 7/31/12 | 5:13:31 PM | 0.29 | 219 | 511 | 16 |
| 7/31/12 | 5:14:31 PM | 0.29 | 218 | 507 | 16 |
| 7/31/12 | 5:15:31 PM | 0.29 | 218 | 505 | 16 |
| 7/31/12 | 5:16:31 PM | 0.29 | 217 | 504 | 16 |
| 7/31/12 | 5:17:31 PM | 0.29 | 218 | 502 | 16 |
| 7/31/12 | 5:18:31 PM | 0.28 | 218 | 504 | 16 |
| 7/31/12 | 5:19:31 PM | 0.29 | 218 | 505 | 16 |
| 7/31/12 | 5:20:31 PM | 0.29 | 217 | 503 | 16 |
| 7/31/12 | 5:21:31 PM | 0.29 | 217 | 506 | 16 |
| 7/31/12 | 5:22:31 PM | 0.28 | 218 | 508 | 16 |
| 7/31/12 | 5:23:31 PM | 0.28 | 218 | 510 | 16 |
| 7/31/12 | 5:24:31 PM | 0.28 | 217 | 509 | 16 |
| 7/31/12 | 5:25:31 PM | 0.29 | 217 | 506 | 16 |
| 7/31/12 | 5:26:31 PM | 0.29 | 217 | 503 | 16 |
| 7/31/12 | 5:27:31 PM | 0.29 | 217 | 499 | 16 |
| 7/31/12 | 5:28:31 PM | 0.29 | 218 | 500 | 16 |
| 7/31/12 | 5:29:31 PM | 0.28 | 218 | 500 | 16 |
| 7/31/12 | 5:30:31 PM | 0.29 | 218 | 506 | 16 |
| 7/31/12 | 5:31:31 PM | 0.28 | 217 | 498 | 16 |
| 7/31/12 | 5:32:31 PM | 0.29 | 217 | 497 | 16 |
| 7/31/12 | 5:33:31 PM | 0.28 | 216 | 496 | 16 |
| 7/31/12 | 5:34:31 PM | 0.28 | 217 | 495 | 16 |
| 7/31/12 | 5:35:31 PM | 0.29 | 218 | 500 | 16 |
| 7/31/12 | 5:36:31 PM | 0.28 | 217 | 504 | 16 |
| 7/31/12 | 5:37:31 PM | 0.28 | 217 | 504 | 16 |
| 7/31/12 | 5:38:31 PM | 0.28 | 217 | 500 | 16 |
| 7/31/12 | 5:39:31 PM | 0.28 | 217 | 501 | 16 |
| 7/31/12 | 5:40:31 PM | 0.28 | 218 | 500 | 16 |
| 7/31/12 | 5:41:31 PM | 0.28 | 219 | 502 | 16 |
| 7/31/12 | 5:42:31 PM | 0.29 | 220 | 502 | 16 |
| 7/31/12 | 5:43:31 PM | 0.28 | 222 | 507 | 16 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 5:44:31 PM | 0.28 | 223 | 510 | 16 |
| 7/31/12 | 5:45:31 PM | 0.28 | 222 | 512 | 16 |
| 7/31/12 | 5:46:31 PM | 0.28 | 221 | 508 | 16 |
| 7/31/12 | 5:47:31 PM | 0.29 | 222 | 507 | 16 |
| 7/31/12 | 5:48:31 PM | 0.28 | 222 | 507 | 16 |
| 7/31/12 | 5:49:31 PM | 0.28 | 222 | 508 | 16 |
| 7/31/12 | 5:50:31 PM | 0.28 | 221 | 507 | 16 |
| 7/31/12 | 5:51:31 PM | 0.28 | 221 | 506 | 16 |
| 7/31/12 | 5:52:31 PM | 0.28 | 222 | 507 | 16 |
| 7/31/12 | 5:53:31 PM | 0.28 | 222 | 508 | 16 |
| 7/31/12 | 5:54:31 PM | 0.28 | 223 | 510 | 16 |
| 7/31/12 | 5:55:31 PM | 0.28 | 224 | 513 | 16 |
| 7/31/12 | 5:56:31 PM | 0.28 | 223 | 519 | 16 |
| 7/31/12 | 5:57:31 PM | 0.28 | 222 | 513 | 16 |
| 7/31/12 | 5:58:31 PM | 0.28 | 221 | 507 | 16 |
| 7/31/12 | 5:59:31 PM | 0.29 | 222 | 506 | 16 |
| 7/31/12 | 6:00:31 PM | 0.28 | 222 | 508 | 16 |
| 7/31/12 | 6:01:31 PM | 0.28 | 222 | 504 | 15 |
| 7/31/12 | 6:02:31 PM | 0.28 | 223 | 505 | 15 |
| 7/31/12 | 6:03:31 PM | 0.28 | 222 | 505 | 15 |
| 7/31/12 | 6:04:31 PM | 0.28 | 222 | 504 | 15 |
| 7/31/12 | 6:05:31 PM | 0.29 | 222 | 503 | 15 |
| 7/31/12 | 6:06:31 PM | 0.29 | 222 | 507 | 15 |
| 7/31/12 | 6:07:31 PM | 0.28 | 222 | 508 | 15 |
| 7/31/12 | 6:08:31 PM | 0.28 | 221 | 506 | 15 |
| 7/31/12 | 6:09:31 PM | 0.28 | 221 | 503 | 15 |
| 7/31/12 | 6:10:31 PM | 0.28 | 221 | 501 | 15 |
| 7/31/12 | 6:11:31 PM | 0.28 | 222 | 501 | 15 |
| 7/31/12 | 6:12:31 PM | 0.28 | 223 | 502 | 15 |
| 7/31/12 | 6:13:31 PM | 0.28 | 222 | 505 | 15 |
| 7/31/12 | 6:14:31 PM | 0.28 | 223 | 502 | 15 |
| 7/31/12 | 6:15:31 PM | 0.28 | 223 | 504 | 15 |
| 7/31/12 | 6:16:31 PM | 0.28 | 222 | 507 | 15 |
| 7/31/12 | 6:17:31 PM | 0.29 | 222 | 508 | 15 |
| 7/31/12 | 6:18:31 PM | 0.28 | 222 | 507 | 15 |
| 7/31/12 | 6:19:31 PM | 0.28 | 223 | 501 | 15 |
| 7/31/12 | 6:20:31 PM | 0.28 | 223 | 502 | 15 |
| 7/31/12 | 6:21:31 PM | 0.28 | 222 | 502 | 15 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 6:22:31 PM | 0.28 | 222 | 498 | 15 |
| 7/31/12 | 6:23:31 PM | 0.28 | 223 | 498 | 15 |
| 7/31/12 | 6:24:31 PM | 0.29 | 224 | 504 | 15 |
| 7/31/12 | 6:25:31 PM | 0.29 | 224 | 509 | 15 |
| 7/31/12 | 6:26:31 PM | 0.29 | 223 | 505 | 15 |
| 7/31/12 | 6:27:31 PM | 0.29 | 222 | 503 | 15 |
| 7/31/12 | 6:28:31 PM | 0.28 | 222 | 503 | 15 |
| 7/31/12 | 6:29:31 PM | 0.29 | 223 | 502 | 15 |
| 7/31/12 | 6:30:31 PM | 0.28 | 223 | 504 | 15 |
| 7/31/12 | 6:31:31 PM | 0.29 | 223 | 506 | 15 |
| 7/31/12 | 6:32:31 PM | 0.29 | 223 | 504 | 15 |
| 7/31/12 | 6:33:31 PM | 0.29 | 223 | 507 | 15 |
| 7/31/12 | 6:34:31 PM | 0.29 | 223 | 504 | 15 |
| 7/31/12 | 6:35:31 PM | 0.29 | 221 | 501 | 15 |
| 7/31/12 | 6:36:31 PM | 0.29 | 221 | 497 | 15 |
| 7/31/12 | 6:37:31 PM | 0.29 | 220 | 496 | 15 |
| 7/31/12 | 6:38:31 PM | 0.28 | 221 | 497 | 15 |
| 7/31/12 | 6:39:31 PM | 0.29 | 221 | 498 | 15 |
| 7/31/12 | 6:40:31 PM | 0.29 | 220 | 497 | 15 |
| 7/31/12 | 6:41:31 PM | 0.28 | 219 | 495 | 15 |
| 7/31/12 | 6:42:31 PM | 0.29 | 219 | 497 | 15 |
| 7/31/12 | 6:43:31 PM | 0.28 | 219 | 497 | 15 |
| 7/31/12 | 6:44:31 PM | 0.28 | 220 | 498 | 15 |
| 7/31/12 | 6:45:31 PM | 0.28 | 221 | 497 | 15 |
| 7/31/12 | 6:46:31 PM | 0.28 | 220 | 496 | 15 |
| 7/31/12 | 6:47:31 PM | 0.28 | 220 | 495 | 15 |
| 7/31/12 | 6:48:31 PM | 0.29 | 221 | 492 | 15 |
| 7/31/12 | 6:49:31 PM | 0.28 | 220 | 488 | 15 |
| 7/31/12 | 6:50:31 PM | 0.28 | 222 | 490 | 15 |
| 7/31/12 | 6:51:31 PM | 0.29 | 222 | 492 | 15 |
| 7/31/12 | 6:52:31 PM | 0.28 | 222 | 494 | 15 |
| 7/31/12 | 6:53:31 PM | 0.29 | 223 | 495 | 15 |
| 7/31/12 | 6:54:31 PM | 0.29 | 222 | 501 | 15 |
| 7/31/12 | 6:55:31 PM | 0.28 | 222 | 497 | 15 |
| 7/31/12 | 6:56:31 PM | 0.28 | 221 | 493 | 15 |
| 7/31/12 | 6:57:31 PM | 0.29 | 220 | 490 | 15 |
| 7/31/12 | 6:58:31 PM | 0.29 | 219 | 487 | 15 |
| 7/31/12 | 6:59:31 PM | 0.29 | 218 | 486 | 14 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 7:00:31 PM | 0.29 | 218 | 485 | 14 |
| 7/31/12 | 7:01:31 PM | 0.29 | 218 | 486 | 14 |
| 7/31/12 | 7:02:31 PM | 0.29 | 219 | 488 | 14 |
| 7/31/12 | 7:03:31 PM | 0.29 | 218 | 495 | 14 |
| 7/31/12 | 7:04:31 PM | 0.29 | 218 | 492 | 14 |
| 7/31/12 | 7:05:31 PM | 0.29 | 219 | 488 | 15 |
| 7/31/12 | 7:06:31 PM | 0.29 | 220 | 488 | 15 |
| 7/31/12 | 7:07:31 PM | 0.29 | 221 | 490 | 14 |
| 7/31/12 | 7:08:31 PM | 0.29 | 221 | 490 | 14 |
| 7/31/12 | 7:09:31 PM | 0.29 | 221 | 491 | 14 |
| 7/31/12 | 7:10:31 PM | 0.29 | 221 | 490 | 14 |
| 7/31/12 | 7:11:31 PM | 0.29 | 220 | 489 | 14 |
| 7/31/12 | 7:12:31 PM | 0.29 | 220 | 488 | 14 |
| 7/31/12 | 7:13:31 PM | 0.29 | 219 | 487 | 14 |
| 7/31/12 | 7:14:31 PM | 0.29 | 219 | 486 | 14 |
| 7/31/12 | 7:15:31 PM | 0.29 | 220 | 487 | 14 |
| 7/31/12 | 7:16:31 PM | 0.29 | 220 | 486 | 14 |
| 7/31/12 | 7:17:31 PM | 0.29 | 220 | 489 | 14 |
| 7/31/12 | 7:18:31 PM | 0.28 | 221 | 498 | 14 |
| 7/31/12 | 7:19:31 PM | 0.29 | 221 | 496 | 14 |
| 7/31/12 | 7:20:31 PM | 0.29 | 221 | 492 | 14 |
| 7/31/12 | 7:21:31 PM | 0.29 | 220 | 490 | 14 |
| 7/31/12 | 7:22:31 PM | 0.29 | 220 | 487 | 14 |
| 7/31/12 | 7:23:31 PM | 0.28 | 220 | 490 | 14 |
| 7/31/12 | 7:24:31 PM | 0.29 | 222 | 491 | 14 |
| 7/31/12 | 7:25:31 PM | 0.29 | 223 | 495 | 14 |
| 7/31/12 | 7:26:31 PM | 0.29 | 223 | 496 | 14 |
| 7/31/12 | 7:27:31 PM | 0.29 | 222 | 495 | 14 |
| 7/31/12 | 7:28:31 PM | 0.29 | 222 | 492 | 14 |
| 7/31/12 | 7:29:31 PM | 0.29 | 222 | 491 | 14 |
| 7/31/12 | 7:30:31 PM | 0.29 | 224 | 491 | 14 |
| 7/31/12 | 7:31:31 PM | 0.29 | 223 | 497 | 14 |
| 7/31/12 | 7:32:31 PM | 0.29 | 223 | 501 | 14 |
| 7/31/12 | 7:33:31 PM | 0.29 | 222 | 498 | 14 |
| 7/31/12 | 7:34:31 PM | 0.29 | 222 | 493 | 14 |
| 7/31/12 | 7:35:31 PM | 0.29 | 222 | 493 | 14 |
| 7/31/12 | 7:36:31 PM | 0.29 | 222 | 494 | 14 |
| 7/31/12 | 7:37:31 PM | 0.29 | 222 | 496 | 14 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 7:38:31 PM | 0.29 | 222 | 495 | 14 |
| 7/31/12 | 7:39:31 PM | 0.29 | 223 | 497 | 14 |
| 7/31/12 | 7:40:31 PM | 0.29 | 223 | 497 | 14 |
| 7/31/12 | 7:41:31 PM | 0.29 | 223 | 498 | 14 |
| 7/31/12 | 7:42:31 PM | 0.29 | 223 | 503 | 14 |
| 7/31/12 | 7:43:31 PM | 0.28 | 222 | 499 | 14 |
| 7/31/12 | 7:44:31 PM | 0.29 | 223 | 495 | 14 |
| 7/31/12 | 7:45:31 PM | 0.29 | 224 | 495 | 14 |
| 7/31/12 | 7:46:31 PM | 0.29 | 223 | 495 | 14 |
| 7/31/12 | 7:47:31 PM | 0.29 | 223 | 494 | 14 |
| 7/31/12 | 7:48:31 PM | 0.29 | 222 | 494 | 14 |
| 7/31/12 | 7:49:31 PM | 0.29 | 222 | 491 | 14 |
| 7/31/12 | 7:50:31 PM | 0.29 | 224 | 493 | 14 |
| 7/31/12 | 7:51:31 PM | 0.29 | 224 | 494 | 14 |
| 7/31/12 | 7:52:31 PM | 0.29 | 224 | 494 | 14 |
| 7/31/12 | 7:53:31 PM | 0.29 | 224 | 494 | 14 |
| 7/31/12 | 7:54:31 PM | 0.29 | 224 | 494 | 14 |
| 7/31/12 | 7:55:31 PM | 0.29 | 222 | 492 | 14 |
| 7/31/12 | 7:56:31 PM | 0.29 | 222 | 490 | 13 |
| 7/31/12 | 7:57:31 PM | 0.29 | 223 | 492 | 13 |
| 7/31/12 | 7:58:31 PM | 0.29 | 223 | 497 | 14 |
| 7/31/12 | 7:59:31 PM | 0.29 | 223 | 502 | 14 |
| 7/31/12 | 8:00:31 PM | 0.29 | 222 | 501 | 14 |
| 7/31/12 | 8:01:31 PM | 0.29 | 222 | 500 | 14 |
| 7/31/12 | 8:02:31 PM | 0.29 | 223 | 498 | 14 |
| 7/31/12 | 8:03:31 PM | 0.29 | 223 | 499 | 14 |
| 7/31/12 | 8:04:31 PM | 0.29 | 223 | 515 | 14 |
| 7/31/12 | 8:05:31 PM | 0.29 | 224 | 521 | 13 |
| 7/31/12 | 8:06:31 PM | 0.28 | 224 | 526 | 13 |
| 7/31/12 | 8:07:31 PM | 0.28 | 226 | 533 | 13 |
| 7/31/12 | 8:08:31 PM | 0.29 | 226 | 538 | 13 |
| 7/31/12 | 8:09:31 PM | 0.29 | 225 | 541 | 13 |
| 7/31/12 | 8:10:31 PM | 0.28 | 225 | 542 | 13 |
| 7/31/12 | 8:11:31 PM | 0.29 | 226 | 545 | 13 |
| 7/31/12 | 8:12:31 PM | 0.29 | 226 | 546 | 13 |
| 7/31/12 | 8:13:31 PM | 0.28 | 226 | 547 | 13 |
| 7/31/12 | 8:14:31 PM | 0.29 | 226 | 547 | 13 |
| 7/31/12 | 8:15:31 PM | 0.29 | 225 | 546 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 8:16:31 PM | 0.29 | 226 | 548 | 13 |
| 7/31/12 | 8:17:31 PM | 0.29 | 225 | 547 | 14 |
| 7/31/12 | 8:18:31 PM | 0.29 | 225 | 549 | 14 |
| 7/31/12 | 8:19:31 PM | 0.29 | 225 | 549 | 14 |
| 7/31/12 | 8:20:31 PM | 0.29 | 225 | 550 | 14 |
| 7/31/12 | 8:21:31 PM | 0.29 | 224 | 548 | 14 |
| 7/31/12 | 8:22:31 PM | 0.29 | 224 | 557 | 14 |
| 7/31/12 | 8:23:31 PM | 0.29 | 223 | 554 | 14 |
| 7/31/12 | 8:24:31 PM | 0.29 | 223 | 555 | 14 |
| 7/31/12 | 8:25:31 PM | 0.29 | 222 | 552 | 14 |
| 7/31/12 | 8:26:31 PM | 0.29 | 222 | 551 | 14 |
| 7/31/12 | 8:27:31 PM | 0.29 | 221 | 551 | 14 |
| 7/31/12 | 8:28:31 PM | 0.29 | 222 | 550 | 13 |
| 7/31/12 | 8:29:31 PM | 0.29 | 222 | 551 | 13 |
| 7/31/12 | 8:30:31 PM | 0.29 | 223 | 552 | 13 |
| 7/31/12 | 8:31:31 PM | 0.29 | 222 | 551 | 13 |
| 7/31/12 | 8:32:31 PM | 0.29 | 224 | 550 | 13 |
| 7/31/12 | 8:33:31 PM | 0.29 | 224 | 551 | 13 |
| 7/31/12 | 8:34:31 PM | 0.29 | 224 | 551 | 13 |
| 7/31/12 | 8:35:31 PM | 0.29 | 225 | 552 | 13 |
| 7/31/12 | 8:36:31 PM | 0.29 | 225 | 552 | 13 |
| 7/31/12 | 8:37:31 PM | 0.28 | 225 | 552 | 13 |
| 7/31/12 | 8:38:31 PM | 0.29 | 226 | 552 | 13 |
| 7/31/12 | 8:39:31 PM | 0.28 | 227 | 553 | 13 |
| 7/31/12 | 8:40:31 PM | 0.28 | 227 | 556 | 13 |
| 7/31/12 | 8:41:31 PM | 0.29 | 227 | 557 | 13 |
| 7/31/12 | 8:42:31 PM | 0.29 | 226 | 557 | 13 |
| 7/31/12 | 8:43:31 PM | 0.29 | 226 | 563 | 13 |
| 7/31/12 | 8:44:31 PM | 0.29 | 225 | 560 | 13 |
| 7/31/12 | 8:45:31 PM | 0.29 | 225 | 560 | 13 |
| 7/31/12 | 8:46:31 PM | 0.29 | 224 | 560 | 13 |
| 7/31/12 | 8:47:31 PM | 0.29 | 223 | 555 | 14 |
| 7/31/12 | 8:48:31 PM | 0.29 | 223 | 553 | 14 |
| 7/31/12 | 8:49:31 PM | 0.29 | 222 | 553 | 14 |
| 7/31/12 | 8:50:31 PM | 0.29 | 222 | 550 | 13 |
| 7/31/12 | 8:51:31 PM | 0.29 | 222 | 549 | 13 |
| 7/31/12 | 8:52:31 PM | 0.29 | 222 | 547 | 14 |
| 7/31/12 | 8:53:31 PM | 0.29 | 222 | 543 | 14 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 8:54:31 PM | 0.29 | 222 | 544 | 14 |
| 7/31/12 | 8:55:31 PM | 0.30 | 221 | 544 | 14 |
| 7/31/12 | 8:56:31 PM | 0.29 | 221 | 544 | 13 |
| 7/31/12 | 8:57:31 PM | 0.29 | 221 | 548 | 13 |
| 7/31/12 | 8:58:31 PM | 0.29 | 221 | 547 | 13 |
| 7/31/12 | 8:59:31 PM | 0.29 | 222 | 548 | 13 |
| 7/31/12 | 9:00:31 PM | 0.29 | 222 | 546 | 13 |
| 7/31/12 | 9:01:31 PM | 0.29 | 221 | 546 | 14 |
| 7/31/12 | 9:02:31 PM | 0.29 | 222 | 558 | 14 |
| 7/31/12 | 9:03:31 PM | 0.29 | 222 | 558 | 14 |
| 7/31/12 | 9:04:31 PM | 0.29 | 221 | 556 | 14 |
| 7/31/12 | 9:05:31 PM | 0.29 | 220 | 554 | 14 |
| 7/31/12 | 9:06:31 PM | 0.30 | 220 | 553 | 14 |
| 7/31/12 | 9:07:31 PM | 0.29 | 221 | 550 | 14 |
| 7/31/12 | 9:08:31 PM | 0.29 | 221 | 548 | 14 |
| 7/31/12 | 9:09:31 PM | 0.29 | 221 | 548 | 14 |
| 7/31/12 | 9:10:31 PM | 0.29 | 221 | 548 | 13 |
| 7/31/12 | 9:11:31 PM | 0.29 | 222 | 547 | 13 |
| 7/31/12 | 9:12:31 PM | 0.29 | 222 | 548 | 13 |
| 7/31/12 | 9:13:31 PM | 0.29 | 223 | 546 | 13 |
| 7/31/12 | 9:14:31 PM | 0.29 | 223 | 549 | 13 |
| 7/31/12 | 9:15:31 PM | 0.29 | 223 | 549 | 13 |
| 7/31/12 | 9:16:31 PM | 0.29 | 223 | 547 | 14 |
| 7/31/12 | 9:17:31 PM | 0.29 | 222 | 549 | 14 |
| 7/31/12 | 9:18:31 PM | 0.29 | 222 | 547 | 14 |
| 7/31/12 | 9:19:31 PM | 0.29 | 222 | 544 | 14 |
| 7/31/12 | 9:20:31 PM | 0.29 | 222 | 545 | 14 |
| 7/31/12 | 9:21:31 PM | 0.29 | 223 | 547 | 14 |
| 7/31/12 | 9:22:31 PM | 0.29 | 223 | 543 | 13 |
| 7/31/12 | 9:23:31 PM | 0.29 | 224 | 543 | 13 |
| 7/31/12 | 9:24:31 PM | 0.29 | 223 | 542 | 13 |
| 7/31/12 | 9:25:31 PM | 0.29 | 224 | 548 | 13 |
| 7/31/12 | 9:26:31 PM | 0.29 | 224 | 549 | 13 |
| 7/31/12 | 9:27:31 PM | 0.29 | 224 | 548 | 13 |
| 7/31/12 | 9:28:31 PM | 0.29 | 224 | 545 | 13 |
| 7/31/12 | 9:29:31 PM | 0.29 | 225 | 545 | 13 |
| 7/31/12 | 9:30:31 PM | 0.29 | 225 | 546 | 13 |
| 7/31/12 | 9:31:31 PM | 0.29 | 225 | 546 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 9:32:31 PM | 0.29 | 224 | 545 | 13 |
| 7/31/12 | 9:33:31 PM | 0.29 | 224 | 544 | 13 |
| 7/31/12 | 9:34:31 PM | 0.29 | 224 | 552 | 13 |
| 7/31/12 | 9:35:31 PM | 0.29 | 223 | 546 | 13 |
| 7/31/12 | 9:36:31 PM | 0.29 | 223 | 546 | 13 |
| 7/31/12 | 9:37:31 PM | 0.29 | 224 | 539 | 14 |
| 7/31/12 | 9:38:31 PM | 0.29 | 225 | 533 | 14 |
| 7/31/12 | 9:39:31 PM | 0.29 | 225 | 533 | 14 |
| 7/31/12 | 9:40:31 PM | 0.28 | 226 | 527 | 14 |
| 7/31/12 | 9:41:31 PM | 0.28 | 226 | 525 | 13 |
| 7/31/12 | 9:42:31 PM | 0.28 | 225 | 521 | 13 |
| 7/31/12 | 9:43:31 PM | 0.29 | 225 | 518 | 13 |
| 7/31/12 | 9:44:31 PM | 0.29 | 225 | 516 | 13 |
| 7/31/12 | 9:45:31 PM | 0.29 | 224 | 514 | 13 |
| 7/31/12 | 9:46:31 PM | 0.29 | 224 | 510 | 13 |
| 7/31/12 | 9:47:31 PM | 0.29 | 225 | 508 | 13 |
| 7/31/12 | 9:48:31 PM | 0.29 | 224 | 507 | 13 |
| 7/31/12 | 9:49:31 PM | 0.28 | 224 | 503 | 13 |
| 7/31/12 | 9:50:31 PM | 0.29 | 225 | 500 | 13 |
| 7/31/12 | 9:51:31 PM | 0.29 | 225 | 500 | 13 |
| 7/31/12 | 9:52:31 PM | 0.29 | 224 | 499 | 14 |
| 7/31/12 | 9:53:31 PM | 0.29 | 223 | 497 | 14 |
| 7/31/12 | 9:54:31 PM | 0.29 | 223 | 494 | 14 |
| 7/31/12 | 9:55:31 PM | 0.29 | 223 | 494 | 14 |
| 7/31/12 | 9:56:31 PM | 0.29 | 224 | 492 | 13 |
| 7/31/12 | 9:57:31 PM | 0.29 | 223 | 492 | 13 |
| 7/31/12 | 9:58:31 PM | 0.29 | 222 | 497 | 13 |
| 7/31/12 | 9:59:31 PM | 0.29 | 222 | 496 | 13 |
| 7/31/12 | 10:00:31 PM | 0.29 | 223 | 495 | 13 |
| 7/31/12 | 10:01:31 PM | 0.29 | 222 | 493 | 13 |
| 7/31/12 | 10:02:31 PM | 0.29 | 223 | 492 | 13 |
| 7/31/12 | 10:03:31 PM | 0.29 | 223 | 490 | 13 |
| 7/31/12 | 10:04:31 PM | 0.29 | 223 | 488 | 13 |
| 7/31/12 | 10:05:31 PM | 0.29 | 223 | 487 | 13 |
| 7/31/12 | 10:06:31 PM | 0.29 | 223 | 485 | 13 |
| 7/31/12 | 10:07:31 PM | 0.29 | 223 | 485 | 13 |
| 7/31/12 | 10:08:31 PM | 0.30 | 223 | 491 | 13 |
| 7/31/12 | 10:09:31 PM | 0.29 | 222 | 491 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 10:10:31 PM | 0.29 | 222 | 490 | 13 |
| 7/31/12 | 10:11:31 PM | 0.29 | 222 | 490 | 13 |
| 7/31/12 | 10:12:31 PM | 0.29 | 222 | 488 | 13 |
| 7/31/12 | 10:13:31 PM | 0.29 | 223 | 484 | 13 |
| 7/31/12 | 10:14:31 PM | 0.29 | 223 | 484 | 13 |
| 7/31/12 | 10:15:31 PM | 0.29 | 224 | 485 | 13 |
| 7/31/12 | 10:16:31 PM | 0.29 | 225 | 485 | 13 |
| 7/31/12 | 10:17:31 PM | 0.29 | 225 | 486 | 13 |
| 7/31/12 | 10:18:31 PM | 0.29 | 225 | 485 | 13 |
| 7/31/12 | 10:19:31 PM | 0.29 | 225 | 487 | 13 |
| 7/31/12 | 10:20:31 PM | 0.29 | 225 | 487 | 13 |
| 7/31/12 | 10:21:31 PM | 0.29 | 224 | 486 | 13 |
| 7/31/12 | 10:22:31 PM | 0.29 | 224 | 485 | 13 |
| 7/31/12 | 10:23:31 PM | 0.30 | 223 | 483 | 13 |
| 7/31/12 | 10:24:31 PM | 0.29 | 223 | 484 | 13 |
| 7/31/12 | 10:25:31 PM | 0.29 | 222 | 488 | 13 |
| 7/31/12 | 10:26:31 PM | 0.29 | 222 | 485 | 13 |
| 7/31/12 | 10:27:31 PM | 0.29 | 222 | 482 | 13 |
| 7/31/12 | 10:28:31 PM | 0.29 | 222 | 482 | 13 |
| 7/31/12 | 10:29:31 PM | 0.29 | 222 | 481 | 13 |
| 7/31/12 | 10:30:31 PM | 0.29 | 222 | 482 | 13 |
| 7/31/12 | 10:31:31 PM | 0.29 | 222 | 482 | 13 |
| 7/31/12 | 10:32:31 PM | 0.29 | 222 | 482 | 13 |
| 7/31/12 | 10:33:31 PM | 0.29 | 222 | 481 | 13 |
| 7/31/12 | 10:34:31 PM | 0.29 | 222 | 481 | 13 |
| 7/31/12 | 10:35:31 PM | 0.29 | 222 | 482 | 13 |
| 7/31/12 | 10:36:31 PM | 0.29 | 221 | 482 | 13 |
| 7/31/12 | 10:37:31 PM | 0.29 | 221 | 482 | 13 |
| 7/31/12 | 10:38:31 PM | 0.30 | 222 | 481 | 13 |
| 7/31/12 | 10:39:31 PM | 0.29 | 221 | 481 | 13 |
| 7/31/12 | 10:40:31 PM | 0.29 | 221 | 481 | 13 |
| 7/31/12 | 10:41:31 PM | 0.29 | 221 | 480 | 13 |
| 7/31/12 | 10:42:31 PM | 0.29 | 221 | 480 | 13 |
| 7/31/12 | 10:43:31 PM | 0.29 | 221 | 482 | 13 |
| 7/31/12 | 10:44:31 PM | 0.29 | 221 | 483 | 13 |
| 7/31/12 | 10:45:31 PM | 0.29 | 221 | 482 | 13 |
| 7/31/12 | 10:46:31 PM | 0.29 | 220 | 482 | 13 |
| 7/31/12 | 10:47:31 PM | 0.30 | 220 | 480 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 10:48:31 PM | 0.30 | 220 | 480 | 13 |
| 7/31/12 | 10:49:31 PM | 0.30 | 220 | 480 | 13 |
| 7/31/12 | 10:50:31 PM | 0.30 | 220 | 485 | 13 |
| 7/31/12 | 10:51:31 PM | 0.30 | 219 | 489 | 13 |
| 7/31/12 | 10:52:31 PM | 0.30 | 218 | 488 | 13 |
| 7/31/12 | 10:53:31 PM | 0.30 | 218 | 482 | 13 |
| 7/31/12 | 10:54:31 PM | 0.30 | 218 | 478 | 13 |
| 7/31/12 | 10:55:31 PM | 0.30 | 219 | 479 | 13 |
| 7/31/12 | 10:56:31 PM | 0.30 | 219 | 479 | 13 |
| 7/31/12 | 10:57:31 PM | 0.30 | 219 | 479 | 13 |
| 7/31/12 | 10:58:31 PM | 0.30 | 218 | 479 | 13 |
| 7/31/12 | 10:59:31 PM | 0.30 | 218 | 479 | 13 |
| 7/31/12 | 11:00:31 PM | 0.30 | 218 | 480 | 13 |
| 7/31/12 | 11:01:31 PM | 0.30 | 218 | 479 | 13 |
| 7/31/12 | 11:02:31 PM | 0.30 | 219 | 480 | 13 |
| 7/31/12 | 11:03:31 PM | 0.30 | 218 | 480 | 13 |
| 7/31/12 | 11:04:31 PM | 0.30 | 218 | 479 | 13 |
| 7/31/12 | 11:05:31 PM | 0.30 | 218 | 477 | 13 |
| 7/31/12 | 11:06:31 PM | 0.30 | 219 | 477 | 13 |
| 7/31/12 | 11:07:31 PM | 0.30 | 218 | 477 | 13 |
| 7/31/12 | 11:08:31 PM | 0.30 | 218 | 476 | 13 |
| 7/31/12 | 11:09:31 PM | 0.30 | 219 | 483 | 13 |
| 7/31/12 | 11:10:31 PM | 0.30 | 218 | 482 | 13 |
| 7/31/12 | 11:11:31 PM | 0.30 | 218 | 483 | 13 |
| 7/31/12 | 11:12:31 PM | 0.30 | 218 | 481 | 13 |
| 7/31/12 | 11:13:31 PM | 0.30 | 218 | 479 | 13 |
| 7/31/12 | 11:14:31 PM | 0.30 | 218 | 479 | 13 |
| 7/31/12 | 11:15:31 PM | 0.30 | 217 | 479 | 13 |
| 7/31/12 | 11:16:31 PM | 0.30 | 219 | 476 | 13 |
| 7/31/12 | 11:17:31 PM | 0.30 | 219 | 478 | 13 |
| 7/31/12 | 11:18:31 PM | 0.30 | 220 | 479 | 13 |
| 7/31/12 | 11:19:31 PM | 0.30 | 220 | 480 | 13 |
| 7/31/12 | 11:20:31 PM | 0.30 | 219 | 478 | 13 |
| 7/31/12 | 11:21:31 PM | 0.30 | 219 | 478 | 13 |
| 7/31/12 | 11:22:31 PM | 0.30 | 219 | 478 | 13 |
| 7/31/12 | 11:23:31 PM | 0.30 | 219 | 478 | 13 |
| 7/31/12 | 11:24:31 PM | 0.30 | 219 | 478 | 13 |
| 7/31/12 | 11:25:31 PM | 0.30 | 220 | 478 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **31-Jul-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **31-Jul-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 7/31/12 | 11:26:31 PM | 0.30 | 220 | 478 | 13 |
| 7/31/12 | 11:27:31 PM | 0.29 | 219 | 485 | 13 |
| 7/31/12 | 11:28:31 PM | 0.30 | 219 | 484 | 13 |
| 7/31/12 | 11:29:31 PM | 0.30 | 219 | 483 | 13 |
| 7/31/12 | 11:30:31 PM | 0.30 | 219 | 479 | 13 |
| 7/31/12 | 11:31:31 PM | 0.30 | 218 | 480 | 13 |
| 7/31/12 | 11:32:31 PM | 0.30 | 218 | 480 | 13 |
| 7/31/12 | 11:33:31 PM | 0.30 | 218 | 477 | 13 |
| 7/31/12 | 11:34:31 PM | 0.30 | 218 | 475 | 13 |
| 7/31/12 | 11:35:31 PM | 0.30 | 218 | 476 | 13 |
| 7/31/12 | 11:36:31 PM | 0.30 | 218 | 475 | 13 |
| 7/31/12 | 11:37:31 PM | 0.29 | 218 | 475 | 13 |
| 7/31/12 | 11:38:31 PM | 0.30 | 218 | 476 | 13 |
| 7/31/12 | 11:39:31 PM | 0.30 | 219 | 477 | 13 |
| 7/31/12 | 11:40:31 PM | 0.30 | 218 | 477 | 13 |
| 7/31/12 | 11:41:31 PM | 0.29 | 218 | 477 | 12 |
| 7/31/12 | 11:42:31 PM | 0.30 | 219 | 477 | 12 |
| 7/31/12 | 11:43:31 PM | 0.30 | 220 | 478 | 12 |
| 7/31/12 | 11:44:31 PM | 0.29 | 220 | 479 | 12 |
| 7/31/12 | 11:45:31 PM | 0.29 | 220 | 479 | 12 |
| 7/31/12 | 11:46:31 PM | 0.30 | 221 | 480 | 12 |
| 7/31/12 | 11:47:31 PM | 0.30 | 221 | 480 | 12 |
| 7/31/12 | 11:48:31 PM | 0.30 | 220 | 481 | 12 |
| 7/31/12 | 11:49:31 PM | 0.29 | 220 | 482 | 13 |
| 7/31/12 | 11:50:31 PM | 0.30 | 220 | 482 | 13 |
| 7/31/12 | 11:51:31 PM | 0.30 | 219 | 482 | 13 |
| 7/31/12 | 11:52:31 PM | 0.30 | 219 | 479 | 13 |
| 7/31/12 | 11:53:31 PM | 0.30 | 219 | 479 | 13 |
| 7/31/12 | 11:54:31 PM | 0.30 | 219 | 481 | 13 |
| 7/31/12 | 11:55:31 PM | 0.30 | 218 | 481 | 12 |
| 7/31/12 | 11:56:31 PM | 0.30 | 219 | 487 | 12 |
| 7/31/12 | 11:57:31 PM | 0.31 | 219 | 487 | 12 |
| 7/31/12 | 11:58:31 PM | 0.30 | 218 | 487 | 12 |
| 7/31/12 | 11:59:31 PM | 0.30 | 217 | 483 | 12 |
| Averages | | 0.29 | 222 | 696 | 40 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 12:00:31 AM | 0.30 | 218 | 482 | 12 |
| 8/1/12 | 12:01:31 AM | 0.30 | 218 | 483 | 12 |
| 8/1/12 | 12:02:31 AM | 0.30 | 218 | 482 | 12 |
| 8/1/12 | 12:03:31 AM | 0.31 | 217 | 479 | 12 |
| 8/1/12 | 12:04:31 AM | 0.30 | 217 | 477 | 13 |
| 8/1/12 | 12:05:31 AM | 0.30 | 216 | 477 | 13 |
| 8/1/12 | 12:06:31 AM | 0.30 | 216 | 475 | 13 |
| 8/1/12 | 12:07:31 AM | 0.30 | 216 | 476 | 13 |
| 8/1/12 | 12:08:31 AM | 0.30 | 216 | 475 | 12 |
| 8/1/12 | 12:09:31 AM | 0.30 | 216 | 473 | 12 |
| 8/1/12 | 12:10:31 AM | 0.30 | 216 | 472 | 12 |
| 8/1/12 | 12:11:31 AM | 0.29 | 217 | 472 | 12 |
| 8/1/12 | 12:12:31 AM | 0.30 | 217 | 473 | 12 |
| 8/1/12 | 12:13:31 AM | 0.30 | 216 | 475 | 12 |
| 8/1/12 | 12:14:31 AM | 0.31 | 216 | 473 | 12 |
| 8/1/12 | 12:15:31 AM | 0.30 | 215 | 472 | 12 |
| 8/1/12 | 12:16:31 AM | 0.31 | 214 | 472 | 12 |
| 8/1/12 | 12:17:31 AM | 0.31 | 213 | 471 | 12 |
| 8/1/12 | 12:18:31 AM | 0.31 | 212 | 477 | 12 |
| 8/1/12 | 12:19:31 AM | 0.30 | 212 | 475 | 12 |
| 8/1/12 | 12:20:31 AM | 0.30 | 211 | 473 | 12 |
| 8/1/12 | 12:21:31 AM | 0.30 | 211 | 469 | 12 |
| 8/1/12 | 12:22:31 AM | 0.31 | 210 | 464 | 12 |
| 8/1/12 | 12:23:31 AM | 0.31 | 209 | 462 | 12 |
| 8/1/12 | 12:24:31 AM | 0.30 | 208 | 461 | 12 |
| 8/1/12 | 12:25:31 AM | 0.30 | 208 | 458 | 12 |
| 8/1/12 | 12:26:31 AM | 0.31 | 209 | 458 | 12 |
| 8/1/12 | 12:27:31 AM | 0.31 | 208 | 458 | 12 |
| 8/1/12 | 12:28:31 AM | 0.31 | 207 | 457 | 12 |
| 8/1/12 | 12:29:31 AM | 0.31 | 207 | 456 | 12 |
| 8/1/12 | 12:30:31 AM | 0.31 | 207 | 455 | 12 |
| 8/1/12 | 12:31:31 AM | 0.31 | 207 | 455 | 12 |
| 8/1/12 | 12:32:31 AM | 0.31 | 206 | 453 | 12 |
| 8/1/12 | 12:33:31 AM | 0.31 | 205 | 452 | 12 |
| 8/1/12 | 12:34:31 AM | 0.30 | 206 | 451 | 12 |
| 8/1/12 | 12:35:31 AM | 0.31 | 206 | 452 | 12 |
| 8/1/12 | 12:36:31 AM | 0.31 | 205 | 451 | 12 |
| 8/1/12 | 12:37:31 AM | 0.30 | 206 | 450 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/1/12 12:38:31 AM | 0.31 | 206 | 450 | 12 |
| 8/1/12 12:39:31 AM | 0.31 | 207 | 455 | 12 |
| 8/1/12 12:40:31 AM | 0.31 | 207 | 458 | 12 |
| 8/1/12 12:41:31 AM | 0.30 | 207 | 457 | 12 |
| 8/1/12 12:42:31 AM | 0.31 | 207 | 452 | 12 |
| 8/1/12 12:43:31 AM | 0.31 | 207 | 451 | 12 |
| 8/1/12 12:44:31 AM | 0.30 | 206 | 453 | 12 |
| 8/1/12 12:45:31 AM | 0.31 | 206 | 452 | 12 |
| 8/1/12 12:46:31 AM | 0.31 | 205 | 452 | 12 |
| 8/1/12 12:47:31 AM | 0.31 | 204 | 451 | 12 |
| 8/1/12 12:48:31 AM | 0.31 | 204 | 449 | 12 |
| 8/1/12 12:49:31 AM | 0.31 | 203 | 449 | 12 |
| 8/1/12 12:50:31 AM | 0.31 | 203 | 449 | 12 |
| 8/1/12 12:51:31 AM | 0.31 | 203 | 449 | 12 |
| 8/1/12 12:52:31 AM | 0.31 | 203 | 448 | 12 |
| 8/1/12 12:53:31 AM | 0.32 | 202 | 449 | 12 |
| 8/1/12 12:54:31 AM | 0.31 | 201 | 447 | 12 |
| 8/1/12 12:55:31 AM | 0.31 | 201 | 446 | 12 |
| 8/1/12 12:56:31 AM | 0.32 | 201 | 446 | 12 |
| 8/1/12 12:57:31 AM | 0.31 | 200 | 445 | 12 |
| 8/1/12 12:58:31 AM | 0.31 | 200 | 445 | 12 |
| 8/1/12 12:59:31 AM | 0.31 | 200 | 446 | 12 |
| 8/1/12 1:00:31 AM | 0.31 | 199 | 444 | 12 |
| 8/1/12 1:01:31 AM | 0.32 | 200 | 451 | 12 |
| 8/1/12 1:02:31 AM | 0.31 | 199 | 452 | 12 |
| 8/1/12 1:03:31 AM | 0.31 | 199 | 448 | 12 |
| 8/1/12 1:04:31 AM | 0.31 | 198 | 447 | 12 |
| 8/1/12 1:05:31 AM | 0.31 | 199 | 443 | 12 |
| 8/1/12 1:06:31 AM | 0.31 | 200 | 442 | 12 |
| 8/1/12 1:07:31 AM | 0.31 | 200 | 445 | 12 |
| 8/1/12 1:08:31 AM | 0.31 | 200 | 448 | 12 |
| 8/1/12 1:09:31 AM | 0.31 | 201 | 449 | 12 |
| 8/1/12 1:10:31 AM | 0.31 | 201 | 450 | 12 |
| 8/1/12 1:11:31 AM | 0.32 | 201 | 449 | 12 |
| 8/1/12 1:12:31 AM | 0.31 | 201 | 449 | 12 |
| 8/1/12 1:13:31 AM | 0.31 | 201 | 451 | 12 |
| 8/1/12 1:14:31 AM | 0.31 | 201 | 448 | 12 |
| 8/1/12 1:15:31 AM | 0.31 | 201 | 447 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 1:16:31 AM | 0.31 | 201 | 447 | 12 |
| 8/1/12 | 1:17:31 AM | 0.31 | 202 | 445 | 12 |
| 8/1/12 | 1:18:31 AM | 0.31 | 203 | 444 | 12 |
| 8/1/12 | 1:19:31 AM | 0.31 | 203 | 445 | 12 |
| 8/1/12 | 1:20:31 AM | 0.31 | 202 | 444 | 12 |
| 8/1/12 | 1:21:31 AM | 0.31 | 202 | 443 | 12 |
| 8/1/12 | 1:22:31 AM | 0.31 | 202 | 446 | 12 |
| 8/1/12 | 1:23:31 AM | 0.31 | 201 | 444 | 12 |
| 8/1/12 | 1:24:31 AM | 0.31 | 201 | 443 | 12 |
| 8/1/12 | 1:25:31 AM | 0.31 | 202 | 442 | 12 |
| 8/1/12 | 1:26:31 AM | 0.31 | 202 | 443 | 12 |
| 8/1/12 | 1:27:31 AM | 0.31 | 202 | 444 | 12 |
| 8/1/12 | 1:28:31 AM | 0.31 | 202 | 444 | 12 |
| 8/1/12 | 1:29:31 AM | 0.31 | 202 | 446 | 12 |
| 8/1/12 | 1:30:31 AM | 0.31 | 202 | 444 | 12 |
| 8/1/12 | 1:31:31 AM | 0.31 | 202 | 444 | 12 |
| 8/1/12 | 1:32:31 AM | 0.31 | 202 | 445 | 12 |
| 8/1/12 | 1:33:31 AM | 0.31 | 202 | 445 | 12 |
| 8/1/12 | 1:34:31 AM | 0.31 | 202 | 445 | 12 |
| 8/1/12 | 1:35:31 AM | 0.31 | 202 | 449 | 12 |
| 8/1/12 | 1:36:31 AM | 0.31 | 202 | 453 | 12 |
| 8/1/12 | 1:37:31 AM | 0.31 | 203 | 451 | 12 |
| 8/1/12 | 1:38:31 AM | 0.31 | 203 | 450 | 12 |
| 8/1/12 | 1:39:31 AM | 0.31 | 204 | 448 | 12 |
| 8/1/12 | 1:40:31 AM | 0.31 | 204 | 448 | 12 |
| 8/1/12 | 1:41:31 AM | 0.31 | 205 | 447 | 12 |
| 8/1/12 | 1:42:31 AM | 0.31 | 205 | 448 | 12 |
| 8/1/12 | 1:43:31 AM | 0.31 | 204 | 450 | 12 |
| 8/1/12 | 1:44:31 AM | 0.31 | 203 | 450 | 12 |
| 8/1/12 | 1:45:31 AM | 0.30 | 204 | 446 | 12 |
| 8/1/12 | 1:46:31 AM | 0.30 | 204 | 446 | 12 |
| 8/1/12 | 1:47:31 AM | 0.31 | 204 | 446 | 12 |
| 8/1/12 | 1:48:31 AM | 0.31 | 204 | 447 | 12 |
| 8/1/12 | 1:49:31 AM | 0.31 | 204 | 447 | 12 |
| 8/1/12 | 1:50:31 AM | 0.31 | 204 | 448 | 12 |
| 8/1/12 | 1:51:31 AM | 0.31 | 204 | 450 | 12 |
| 8/1/12 | 1:52:31 AM | 0.31 | 204 | 451 | 12 |
| 8/1/12 | 1:53:31 AM | 0.30 | 204 | 448 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 1:54:31 AM | 0.31 | 205 | 447 | 12 |
| 8/1/12 | 1:55:31 AM | 0.31 | 204 | 448 | 12 |
| 8/1/12 | 1:56:31 AM | 0.31 | 205 | 450 | 12 |
| 8/1/12 | 1:57:31 AM | 0.30 | 205 | 450 | 12 |
| 8/1/12 | 1:58:31 AM | 0.30 | 205 | 447 | 12 |
| 8/1/12 | 1:59:31 AM | 0.31 | 204 | 447 | 12 |
| 8/1/12 | 2:00:31 AM | 0.31 | 204 | 448 | 12 |
| 8/1/12 | 2:01:31 AM | 0.31 | 204 | 446 | 11 |
| 8/1/12 | 2:02:31 AM | 0.31 | 204 | 446 | 11 |
| 8/1/12 | 2:03:31 AM | 0.31 | 203 | 444 | 11 |
| 8/1/12 | 2:04:31 AM | 0.31 | 202 | 443 | 12 |
| 8/1/12 | 2:05:31 AM | 0.31 | 202 | 441 | 12 |
| 8/1/12 | 2:06:31 AM | 0.31 | 202 | 441 | 12 |
| 8/1/12 | 2:07:31 AM | 0.31 | 202 | 441 | 12 |
| 8/1/12 | 2:08:31 AM | 0.31 | 202 | 441 | 12 |
| 8/1/12 | 2:09:31 AM | 0.31 | 202 | 441 | 12 |
| 8/1/12 | 2:10:31 AM | 0.31 | 202 | 440 | 12 |
| 8/1/12 | 2:11:31 AM | 0.31 | 203 | 441 | 12 |
| 8/1/12 | 2:12:31 AM | 0.31 | 203 | 440 | 12 |
| 8/1/12 | 2:13:31 AM | 0.30 | 203 | 441 | 12 |
| 8/1/12 | 2:14:31 AM | 0.31 | 204 | 442 | 11 |
| 8/1/12 | 2:15:31 AM | 0.31 | 205 | 444 | 11 |
| 8/1/12 | 2:16:31 AM | 0.30 | 205 | 448 | 12 |
| 8/1/12 | 2:17:31 AM | 0.30 | 204 | 452 | 12 |
| 8/1/12 | 2:18:31 AM | 0.31 | 205 | 452 | 12 |
| 8/1/12 | 2:19:31 AM | 0.31 | 205 | 451 | 11 |
| 8/1/12 | 2:20:31 AM | 0.31 | 204 | 447 | 11 |
| 8/1/12 | 2:21:31 AM | 0.31 | 203 | 444 | 11 |
| 8/1/12 | 2:22:31 AM | 0.30 | 202 | 443 | 11 |
| 8/1/12 | 2:23:31 AM | 0.31 | 202 | 443 | 11 |
| 8/1/12 | 2:24:31 AM | 0.31 | 202 | 443 | 11 |
| 8/1/12 | 2:25:31 AM | 0.31 | 202 | 443 | 11 |
| 8/1/12 | 2:26:31 AM | 0.30 | 202 | 444 | 11 |
| 8/1/12 | 2:27:31 AM | 0.31 | 203 | 443 | 11 |
| 8/1/12 | 2:28:31 AM | 0.31 | 202 | 443 | 11 |
| 8/1/12 | 2:29:31 AM | 0.31 | 203 | 442 | 11 |
| 8/1/12 | 2:30:31 AM | 0.31 | 202 | 443 | 11 |
| 8/1/12 | 2:31:31 AM | 0.30 | 202 | 444 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 2:32:31 AM | 0.30 | 203 | 445 | 11 |
| 8/1/12 | 2:33:31 AM | 0.30 | 204 | 446 | 11 |
| 8/1/12 | 2:34:31 AM | 0.30 | 204 | 447 | 11 |
| 8/1/12 | 2:35:31 AM | 0.30 | 204 | 447 | 11 |
| 8/1/12 | 2:36:31 AM | 0.30 | 204 | 446 | 11 |
| 8/1/12 | 2:37:31 AM | 0.30 | 204 | 445 | 11 |
| 8/1/12 | 2:38:31 AM | 0.30 | 203 | 443 | 11 |
| 8/1/12 | 2:39:31 AM | 0.30 | 202 | 444 | 11 |
| 8/1/12 | 2:40:31 AM | 0.30 | 202 | 441 | 11 |
| 8/1/12 | 2:41:31 AM | 0.30 | 202 | 443 | 11 |
| 8/1/12 | 2:42:31 AM | 0.30 | 202 | 442 | 11 |
| 8/1/12 | 2:43:31 AM | 0.30 | 202 | 449 | 11 |
| 8/1/12 | 2:44:31 AM | 0.30 | 202 | 451 | 11 |
| 8/1/12 | 2:45:31 AM | 0.30 | 203 | 453 | 11 |
| 8/1/12 | 2:46:31 AM | 0.30 | 204 | 452 | 11 |
| 8/1/12 | 2:47:31 AM | 0.30 | 204 | 452 | 11 |
| 8/1/12 | 2:48:31 AM | 0.30 | 204 | 451 | 11 |
| 8/1/12 | 2:49:31 AM | 0.30 | 204 | 451 | 11 |
| 8/1/12 | 2:50:31 AM | 0.31 | 204 | 451 | 11 |
| 8/1/12 | 2:51:31 AM | 0.31 | 204 | 449 | 11 |
| 8/1/12 | 2:52:31 AM | 0.31 | 203 | 446 | 11 |
| 8/1/12 | 2:53:31 AM | 0.31 | 203 | 443 | 11 |
| 8/1/12 | 2:54:31 AM | 0.30 | 202 | 442 | 11 |
| 8/1/12 | 2:55:31 AM | 0.31 | 203 | 443 | 11 |
| 8/1/12 | 2:56:31 AM | 0.30 | 203 | 442 | 11 |
| 8/1/12 | 2:57:31 AM | 0.30 | 202 | 441 | 11 |
| 8/1/12 | 2:58:31 AM | 0.30 | 203 | 439 | 11 |
| 8/1/12 | 2:59:31 AM | 0.30 | 203 | 441 | 11 |
| 8/1/12 | 3:00:31 AM | 0.30 | 204 | 440 | 11 |
| 8/1/12 | 3:01:31 AM | 0.30 | 204 | 442 | 11 |
| 8/1/12 | 3:02:31 AM | 0.30 | 204 | 440 | 11 |
| 8/1/12 | 3:03:31 AM | 0.30 | 206 | 442 | 11 |
| 8/1/12 | 3:04:31 AM | 0.29 | 206 | 443 | 11 |
| 8/1/12 | 3:05:31 AM | 0.29 | 206 | 444 | 11 |
| 8/1/12 | 3:06:31 AM | 0.29 | 206 | 445 | 11 |
| 8/1/12 | 3:07:31 AM | 0.29 | 205 | 444 | 11 |
| 8/1/12 | 3:08:31 AM | 0.29 | 205 | 444 | 11 |
| 8/1/12 | 3:09:31 AM | 0.30 | 204 | 443 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 3:10:31 AM | 0.29 | 204 | 442 | 11 |
| 8/1/12 | 3:11:31 AM | 0.30 | 204 | 442 | 11 |
| 8/1/12 | 3:12:31 AM | 0.29 | 202 | 446 | 11 |
| 8/1/12 | 3:13:31 AM | 0.30 | 203 | 445 | 11 |
| 8/1/12 | 3:14:31 AM | 0.30 | 203 | 445 | 11 |
| 8/1/12 | 3:15:31 AM | 0.29 | 203 | 444 | 11 |
| 8/1/12 | 3:16:31 AM | 0.30 | 204 | 441 | 11 |
| 8/1/12 | 3:17:31 AM | 0.30 | 203 | 441 | 11 |
| 8/1/12 | 3:18:31 AM | 0.30 | 204 | 442 | 11 |
| 8/1/12 | 3:19:31 AM | 0.30 | 203 | 442 | 11 |
| 8/1/12 | 3:20:31 AM | 0.30 | 202 | 438 | 11 |
| 8/1/12 | 3:21:31 AM | 0.30 | 200 | 437 | 11 |
| 8/1/12 | 3:22:31 AM | 0.30 | 200 | 436 | 11 |
| 8/1/12 | 3:23:31 AM | 0.30 | 199 | 434 | 11 |
| 8/1/12 | 3:24:31 AM | 0.30 | 198 | 433 | 11 |
| 8/1/12 | 3:25:31 AM | 0.29 | 197 | 431 | 11 |
| 8/1/12 | 3:26:31 AM | 0.30 | 198 | 431 | 11 |
| 8/1/12 | 3:27:31 AM | 0.30 | 198 | 432 | 11 |
| 8/1/12 | 3:28:31 AM | 0.30 | 198 | 431 | 11 |
| 8/1/12 | 3:29:31 AM | 0.30 | 197 | 432 | 11 |
| 8/1/12 | 3:30:31 AM | 0.30 | 197 | 429 | 11 |
| 8/1/12 | 3:31:31 AM | 0.30 | 197 | 430 | 11 |
| 8/1/12 | 3:32:31 AM | 0.30 | 197 | 428 | 11 |
| 8/1/12 | 3:33:31 AM | 0.30 | 196 | 429 | 11 |
| 8/1/12 | 3:34:31 AM | 0.30 | 196 | 429 | 11 |
| 8/1/12 | 3:35:31 AM | 0.30 | 197 | 430 | 11 |
| 8/1/12 | 3:36:31 AM | 0.29 | 197 | 428 | 11 |
| 8/1/12 | 3:37:31 AM | 0.30 | 198 | 428 | 11 |
| 8/1/12 | 3:38:31 AM | 0.30 | 199 | 431 | 11 |
| 8/1/12 | 3:39:31 AM | 0.29 | 200 | 432 | 11 |
| 8/1/12 | 3:40:31 AM | 0.30 | 200 | 432 | 11 |
| 8/1/12 | 3:41:31 AM | 0.29 | 200 | 431 | 11 |
| 8/1/12 | 3:42:31 AM | 0.30 | 200 | 433 | 11 |
| 8/1/12 | 3:43:31 AM | 0.29 | 200 | 432 | 11 |
| 8/1/12 | 3:44:31 AM | 0.29 | 201 | 441 | 11 |
| 8/1/12 | 3:45:31 AM | 0.30 | 203 | 443 | 11 |
| 8/1/12 | 3:46:31 AM | 0.30 | 203 | 442 | 11 |
| 8/1/12 | 3:47:31 AM | 0.30 | 202 | 443 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 3:48:31 AM | 0.30 | 203 | 442 | 11 |
| 8/1/12 | 3:49:31 AM | 0.30 | 202 | 441 | 11 |
| 8/1/12 | 3:50:31 AM | 0.29 | 203 | 441 | 11 |
| 8/1/12 | 3:51:31 AM | 0.29 | 203 | 437 | 11 |
| 8/1/12 | 3:52:31 AM | 0.29 | 204 | 437 | 11 |
| 8/1/12 | 3:53:31 AM | 0.29 | 205 | 438 | 11 |
| 8/1/12 | 3:54:31 AM | 0.30 | 205 | 438 | 11 |
| 8/1/12 | 3:55:31 AM | 0.29 | 205 | 440 | 11 |
| 8/1/12 | 3:56:31 AM | 0.29 | 206 | 441 | 11 |
| 8/1/12 | 3:57:31 AM | 0.29 | 206 | 442 | 11 |
| 8/1/12 | 3:58:31 AM | 0.29 | 206 | 443 | 11 |
| 8/1/12 | 3:59:31 AM | 0.29 | 207 | 443 | 11 |
| 8/1/12 | 4:00:31 AM | 0.29 | 207 | 443 | 11 |
| 8/1/12 | 4:01:31 AM | 0.29 | 208 | 443 | 11 |
| 8/1/12 | 4:02:31 AM | 0.29 | 207 | 446 | 11 |
| 8/1/12 | 4:03:31 AM | 0.29 | 207 | 445 | 11 |
| 8/1/12 | 4:04:31 AM | 0.29 | 207 | 445 | 11 |
| 8/1/12 | 4:05:31 AM | 0.29 | 206 | 445 | 11 |
| 8/1/12 | 4:06:31 AM | 0.29 | 205 | 442 | 11 |
| 8/1/12 | 4:07:31 AM | 0.29 | 205 | 442 | 11 |
| 8/1/12 | 4:08:31 AM | 0.29 | 206 | 442 | 11 |
| 8/1/12 | 4:09:31 AM | 0.29 | 206 | 443 | 11 |
| 8/1/12 | 4:10:31 AM | 0.29 | 206 | 444 | 11 |
| 8/1/12 | 4:11:31 AM | 0.29 | 206 | 443 | 11 |
| 8/1/12 | 4:12:31 AM | 0.30 | 207 | 444 | 11 |
| 8/1/12 | 4:13:31 AM | 0.29 | 207 | 444 | 11 |
| 8/1/12 | 4:14:31 AM | 0.29 | 207 | 445 | 11 |
| 8/1/12 | 4:15:31 AM | 0.29 | 207 | 445 | 11 |
| 8/1/12 | 4:16:31 AM | 0.29 | 208 | 446 | 11 |
| 8/1/12 | 4:17:31 AM | 0.29 | 208 | 445 | 11 |
| 8/1/12 | 4:18:31 AM | 0.29 | 208 | 445 | 11 |
| 8/1/12 | 4:19:31 AM | 0.29 | 208 | 443 | 11 |
| 8/1/12 | 4:20:31 AM | 0.29 | 207 | 442 | 11 |
| 8/1/12 | 4:21:31 AM | 0.29 | 207 | 442 | 11 |
| 8/1/12 | 4:22:31 AM | 0.29 | 207 | 442 | 11 |
| 8/1/12 | 4:23:31 AM | 0.29 | 208 | 443 | 11 |
| 8/1/12 | 4:24:31 AM | 0.29 | 208 | 443 | 11 |
| 8/1/12 | 4:25:31 AM | 0.30 | 208 | 444 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 4:26:31 AM | 0.30 | 207 | 443 | 11 |
| 8/1/12 | 4:27:31 AM | 0.30 | 207 | 442 | 11 |
| 8/1/12 | 4:28:31 AM | 0.29 | 205 | 442 | 11 |
| 8/1/12 | 4:29:31 AM | 0.30 | 205 | 442 | 11 |
| 8/1/12 | 4:30:31 AM | 0.29 | 206 | 441 | 11 |
| 8/1/12 | 4:31:31 AM | 0.29 | 206 | 442 | 11 |
| 8/1/12 | 4:32:31 AM | 0.29 | 206 | 442 | 11 |
| 8/1/12 | 4:33:31 AM | 0.29 | 206 | 442 | 11 |
| 8/1/12 | 4:34:31 AM | 0.29 | 205 | 443 | 11 |
| 8/1/12 | 4:35:31 AM | 0.29 | 205 | 443 | 11 |
| 8/1/12 | 4:36:31 AM | 0.29 | 205 | 443 | 11 |
| 8/1/12 | 4:37:31 AM | 0.29 | 205 | 451 | 11 |
| 8/1/12 | 4:38:31 AM | 0.28 | 205 | 450 | 11 |
| 8/1/12 | 4:39:31 AM | 0.29 | 206 | 450 | 11 |
| 8/1/12 | 4:40:31 AM | 0.29 | 206 | 451 | 11 |
| 8/1/12 | 4:41:31 AM | 0.29 | 207 | 449 | 11 |
| 8/1/12 | 4:42:31 AM | 0.29 | 208 | 449 | 11 |
| 8/1/12 | 4:43:31 AM | 0.29 | 208 | 450 | 11 |
| 8/1/12 | 4:44:31 AM | 0.28 | 209 | 449 | 11 |
| 8/1/12 | 4:45:31 AM | 0.29 | 210 | 450 | 11 |
| 8/1/12 | 4:46:31 AM | 0.29 | 211 | 450 | 11 |
| 8/1/12 | 4:47:31 AM | 0.29 | 212 | 451 | 11 |
| 8/1/12 | 4:48:31 AM | 0.29 | 212 | 450 | 11 |
| 8/1/12 | 4:49:31 AM | 0.29 | 211 | 450 | 11 |
| 8/1/12 | 4:50:31 AM | 0.29 | 211 | 451 | 11 |
| 8/1/12 | 4:51:31 AM | 0.29 | 211 | 450 | 11 |
| 8/1/12 | 4:52:31 AM | 0.29 | 212 | 451 | 11 |
| 8/1/12 | 4:53:31 AM | 0.29 | 213 | 453 | 11 |
| 8/1/12 | 4:54:31 AM | 0.28 | 214 | 456 | 11 |
| 8/1/12 | 4:55:31 AM | 0.29 | 214 | 460 | 11 |
| 8/1/12 | 4:56:31 AM | 0.29 | 214 | 459 | 11 |
| 8/1/12 | 4:57:31 AM | 0.29 | 214 | 456 | 11 |
| 8/1/12 | 4:58:31 AM | 0.29 | 214 | 456 | 11 |
| 8/1/12 | 4:59:31 AM | 0.29 | 213 | 455 | 11 |
| 8/1/12 | 5:00:31 AM | 0.28 | 214 | 456 | 11 |
| 8/1/12 | 5:01:31 AM | 0.28 | 214 | 457 | 11 |
| 8/1/12 | 5:02:31 AM | 0.29 | 214 | 459 | 11 |
| 8/1/12 | 5:03:31 AM | 0.29 | 214 | 462 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 5:04:31 AM | 0.29 | 213 | 458 | 11 |
| 8/1/12 | 5:05:31 AM | 0.29 | 214 | 458 | 11 |
| 8/1/12 | 5:06:31 AM | 0.29 | 214 | 455 | 11 |
| 8/1/12 | 5:07:31 AM | 0.29 | 213 | 452 | 11 |
| 8/1/12 | 5:08:31 AM | 0.30 | 212 | 450 | 11 |
| 8/1/12 | 5:09:31 AM | 0.29 | 212 | 448 | 11 |
| 8/1/12 | 5:10:31 AM | 0.29 | 211 | 447 | 11 |
| 8/1/12 | 5:11:31 AM | 0.29 | 211 | 446 | 11 |
| 8/1/12 | 5:12:31 AM | 0.29 | 211 | 444 | 11 |
| 8/1/12 | 5:13:31 AM | 0.29 | 213 | 447 | 11 |
| 8/1/12 | 5:14:31 AM | 0.29 | 213 | 447 | 11 |
| 8/1/12 | 5:15:31 AM | 0.29 | 213 | 447 | 11 |
| 8/1/12 | 5:16:31 AM | 0.28 | 212 | 448 | 11 |
| 8/1/12 | 5:17:31 AM | 0.29 | 214 | 448 | 11 |
| 8/1/12 | 5:18:31 AM | 0.30 | 214 | 447 | 11 |
| 8/1/12 | 5:19:31 AM | 0.29 | 212 | 446 | 11 |
| 8/1/12 | 5:20:31 AM | 0.29 | 212 | 444 | 11 |
| 8/1/12 | 5:21:31 AM | 0.29 | 212 | 445 | 11 |
| 8/1/12 | 5:22:31 AM | 0.29 | 213 | 446 | 10 |
| 8/1/12 | 5:23:31 AM | 0.29 | 213 | 446 | 10 |
| 8/1/12 | 5:24:31 AM | 0.29 | 214 | 449 | 10 |
| 8/1/12 | 5:25:31 AM | 0.28 | 215 | 449 | 10 |
| 8/1/12 | 5:26:31 AM | 0.29 | 215 | 450 | 10 |
| 8/1/12 | 5:27:31 AM | 0.28 | 217 | 453 | 10 |
| 8/1/12 | 5:28:31 AM | 0.29 | 217 | 454 | 11 |
| 8/1/12 | 5:29:31 AM | 0.29 | 217 | 454 | 11 |
| 8/1/12 | 5:30:31 AM | 0.29 | 217 | 454 | 11 |
| 8/1/12 | 5:31:31 AM | 0.28 | 216 | 454 | 11 |
| 8/1/12 | 5:32:31 AM | 0.29 | 216 | 454 | 10 |
| 8/1/12 | 5:33:31 AM | 0.28 | 215 | 454 | 10 |
| 8/1/12 | 5:34:31 AM | 0.28 | 216 | 455 | 10 |
| 8/1/12 | 5:35:31 AM | 0.29 | 216 | 456 | 10 |
| 8/1/12 | 5:36:31 AM | 0.29 | 216 | 457 | 10 |
| 8/1/12 | 5:37:31 AM | 0.29 | 216 | 456 | 10 |
| 8/1/12 | 5:38:31 AM | 0.28 | 216 | 458 | 10 |
| 8/1/12 | 5:39:31 AM | 0.29 | 215 | 458 | 10 |
| 8/1/12 | 5:40:31 AM | 0.29 | 215 | 457 | 11 |
| 8/1/12 | 5:41:31 AM | 0.29 | 216 | 457 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 5:42:31 AM | 0.29 | 216 | 463 | 11 |
| 8/1/12 | 5:43:31 AM | 0.30 | 216 | 465 | 11 |
| 8/1/12 | 5:44:31 AM | 0.29 | 215 | 464 | 11 |
| 8/1/12 | 5:45:31 AM | 0.29 | 215 | 463 | 11 |
| 8/1/12 | 5:46:31 AM | 0.29 | 214 | 461 | 11 |
| 8/1/12 | 5:47:31 AM | 0.30 | 214 | 461 | 10 |
| 8/1/12 | 5:48:31 AM | 0.29 | 214 | 459 | 10 |
| 8/1/12 | 5:49:31 AM | 0.29 | 214 | 457 | 10 |
| 8/1/12 | 5:50:31 AM | 0.29 | 215 | 455 | 10 |
| 8/1/12 | 5:51:31 AM | 0.29 | 214 | 453 | 10 |
| 8/1/12 | 5:52:31 AM | 0.29 | 214 | 453 | 10 |
| 8/1/12 | 5:53:31 AM | 0.29 | 215 | 453 | 10 |
| 8/1/12 | 5:54:31 AM | 0.29 | 215 | 453 | 10 |
| 8/1/12 | 5:55:31 AM | 0.28 | 216 | 457 | 10 |
| 8/1/12 | 5:56:31 AM | 0.29 | 216 | 455 | 10 |
| 8/1/12 | 5:57:31 AM | 0.29 | 216 | 455 | 10 |
| 8/1/12 | 5:58:31 AM | 0.29 | 215 | 453 | 10 |
| 8/1/12 | 5:59:31 AM | 0.29 | 214 | 451 | 10 |
| 8/1/12 | 6:00:31 AM | 0.29 | 214 | 450 | 10 |
| 8/1/12 | 6:01:31 AM | 0.29 | 215 | 457 | 10 |
| 8/1/12 | 6:02:31 AM | 0.30 | 215 | 457 | 10 |
| 8/1/12 | 6:03:31 AM | 0.30 | 215 | 455 | 10 |
| 8/1/12 | 6:04:31 AM | 0.29 | 214 | 454 | 10 |
| 8/1/12 | 6:05:31 AM | 0.29 | 214 | 452 | 10 |
| 8/1/12 | 6:06:31 AM | 0.28 | 215 | 452 | 10 |
| 8/1/12 | 6:07:31 AM | 0.29 | 216 | 453 | 10 |
| 8/1/12 | 6:08:31 AM | 0.29 | 217 | 454 | 10 |
| 8/1/12 | 6:09:31 AM | 0.29 | 218 | 456 | 10 |
| 8/1/12 | 6:10:31 AM | 0.28 | 218 | 458 | 11 |
| 8/1/12 | 6:11:31 AM | 0.29 | 218 | 456 | 11 |
| 8/1/12 | 6:12:31 AM | 0.29 | 218 | 456 | 11 |
| 8/1/12 | 6:13:31 AM | 0.29 | 217 | 454 | 10 |
| 8/1/12 | 6:14:31 AM | 0.29 | 217 | 452 | 10 |
| 8/1/12 | 6:15:31 AM | 0.29 | 217 | 452 | 10 |
| 8/1/12 | 6:16:31 AM | 0.28 | 218 | 452 | 10 |
| 8/1/12 | 6:17:31 AM | 0.29 | 218 | 453 | 10 |
| 8/1/12 | 6:18:31 AM | 0.28 | 218 | 454 | 10 |
| 8/1/12 | 6:19:31 AM | 0.29 | 217 | 456 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 6:20:31 AM | 0.28 | 217 | 456 | 10 |
| 8/1/12 | 6:21:31 AM | 0.29 | 218 | 457 | 10 |
| 8/1/12 | 6:22:31 AM | 0.29 | 218 | 460 | 10 |
| 8/1/12 | 6:23:31 AM | 0.28 | 219 | 462 | 10 |
| 8/1/12 | 6:24:31 AM | 0.28 | 220 | 463 | 10 |
| 8/1/12 | 6:25:31 AM | 0.29 | 220 | 465 | 10 |
| 8/1/12 | 6:26:31 AM | 0.28 | 221 | 467 | 10 |
| 8/1/12 | 6:27:31 AM | 0.28 | 221 | 471 | 10 |
| 8/1/12 | 6:28:31 AM | 0.28 | 221 | 470 | 10 |
| 8/1/12 | 6:29:31 AM | 0.28 | 221 | 472 | 10 |
| 8/1/12 | 6:30:31 AM | 0.28 | 222 | 473 | 10 |
| 8/1/12 | 6:31:31 AM | 0.28 | 222 | 474 | 10 |
| 8/1/12 | 6:32:31 AM | 0.28 | 222 | 476 | 10 |
| 8/1/12 | 6:33:31 AM | 0.28 | 221 | 474 | 10 |
| 8/1/12 | 6:34:31 AM | 0.28 | 221 | 474 | 10 |
| 8/1/12 | 6:35:31 AM | 0.29 | 221 | 473 | 10 |
| 8/1/12 | 6:36:31 AM | 0.28 | 221 | 473 | 10 |
| 8/1/12 | 6:37:31 AM | 0.28 | 222 | 476 | 10 |
| 8/1/12 | 6:38:31 AM | 0.28 | 222 | 479 | 10 |
| 8/1/12 | 6:39:31 AM | 0.28 | 221 | 479 | 10 |
| 8/1/12 | 6:40:31 AM | 0.28 | 221 | 478 | 10 |
| 8/1/12 | 6:41:31 AM | 0.28 | 222 | 476 | 10 |
| 8/1/12 | 6:42:31 AM | 0.28 | 221 | 476 | 10 |
| 8/1/12 | 6:43:31 AM | 0.28 | 221 | 472 | 10 |
| 8/1/12 | 6:44:31 AM | 0.28 | 222 | 471 | 10 |
| 8/1/12 | 6:45:31 AM | 0.28 | 222 | 471 | 10 |
| 8/1/12 | 6:46:31 AM | 0.28 | 222 | 472 | 10 |
| 8/1/12 | 6:47:31 AM | 0.28 | 222 | 473 | 10 |
| 8/1/12 | 6:48:31 AM | 0.28 | 223 | 470 | 10 |
| 8/1/12 | 6:49:31 AM | 0.28 | 223 | 472 | 10 |
| 8/1/12 | 6:50:31 AM | 0.28 | 223 | 472 | 10 |
| 8/1/12 | 6:51:31 AM | 0.28 | 223 | 473 | 10 |
| 8/1/12 | 6:52:31 AM | 0.29 | 223 | 473 | 10 |
| 8/1/12 | 6:53:31 AM | 0.29 | 222 | 473 | 10 |
| 8/1/12 | 6:54:31 AM | 0.28 | 222 | 472 | 10 |
| 8/1/12 | 6:55:31 AM | 0.28 | 222 | 472 | 10 |
| 8/1/12 | 6:56:31 AM | 0.28 | 223 | 478 | 10 |
| 8/1/12 | 6:57:31 AM | 0.28 | 224 | 479 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 6:58:31 AM | 0.28 | 224 | 479 | 10 |
| 8/1/12 | 6:59:31 AM | 0.28 | 225 | 476 | 10 |
| 8/1/12 | 7:00:31 AM | 0.28 | 225 | 476 | 10 |
| 8/1/12 | 7:01:31 AM | 0.28 | 225 | 480 | 11 |
| 8/1/12 | 7:02:31 AM | 0.28 | 225 | 479 | 11 |
| 8/1/12 | 7:03:31 AM | 0.28 | 225 | 478 | 11 |
| 8/1/12 | 7:04:31 AM | 0.28 | 225 | 477 | 10 |
| 8/1/12 | 7:05:31 AM | 0.28 | 225 | 477 | 10 |
| 8/1/12 | 7:06:31 AM | 0.28 | 225 | 474 | 10 |
| 8/1/12 | 7:07:31 AM | 0.28 | 224 | 473 | 10 |
| 8/1/12 | 7:08:31 AM | 0.29 | 224 | 474 | 10 |
| 8/1/12 | 7:09:31 AM | 0.28 | 224 | 473 | 10 |
| 8/1/12 | 7:10:31 AM | 0.28 | 225 | 472 | 10 |
| 8/1/12 | 7:11:31 AM | 0.28 | 225 | 473 | 10 |
| 8/1/12 | 7:12:31 AM | 0.28 | 226 | 474 | 10 |
| 8/1/12 | 7:13:31 AM | 0.28 | 227 | 476 | 10 |
| 8/1/12 | 7:14:31 AM | 0.28 | 228 | 475 | 10 |
| 8/1/12 | 7:15:31 AM | 0.28 | 228 | 479 | 10 |
| 8/1/12 | 7:16:31 AM | 0.28 | 227 | 478 | 10 |
| 8/1/12 | 7:17:31 AM | 0.28 | 227 | 479 | 10 |
| 8/1/12 | 7:18:31 AM | 0.28 | 228 | 479 | 10 |
| 8/1/12 | 7:19:31 AM | 0.28 | 228 | 483 | 10 |
| 8/1/12 | 7:20:31 AM | 0.27 | 228 | 489 | 10 |
| 8/1/12 | 7:21:31 AM | 0.28 | 228 | 488 | 10 |
| 8/1/12 | 7:22:31 AM | 0.28 | 228 | 487 | 10 |
| 8/1/12 | 7:23:31 AM | 0.28 | 226 | 484 | 10 |
| 8/1/12 | 7:24:31 AM | 0.28 | 227 | 481 | 10 |
| 8/1/12 | 7:25:31 AM | 0.28 | 227 | 482 | 11 |
| 8/1/12 | 7:26:31 AM | 0.28 | 228 | 483 | 11 |
| 8/1/12 | 7:27:31 AM | 0.28 | 228 | 484 | 11 |
| 8/1/12 | 7:28:31 AM | 0.28 | 227 | 482 | 10 |
| 8/1/12 | 7:29:31 AM | 0.28 | 228 | 482 | 10 |
| 8/1/12 | 7:30:31 AM | 0.28 | 228 | 482 | 10 |
| 8/1/12 | 7:31:31 AM | 0.28 | 227 | 483 | 10 |
| 8/1/12 | 7:32:31 AM | 0.28 | 228 | 483 | 10 |
| 8/1/12 | 7:33:31 AM | 0.28 | 227 | 484 | 10 |
| 8/1/12 | 7:34:31 AM | 0.28 | 226 | 483 | 10 |
| 8/1/12 | 7:35:31 AM | 0.28 | 226 | 482 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 7:36:31 AM | 0.28 | 226 | 483 | 10 |
| 8/1/12 | 7:37:31 AM | 0.28 | 226 | 483 | 10 |
| 8/1/12 | 7:38:31 AM | 0.28 | 226 | 482 | 10 |
| 8/1/12 | 7:39:31 AM | 0.28 | 226 | 481 | 10 |
| 8/1/12 | 7:40:31 AM | 0.28 | 226 | 480 | 10 |
| 8/1/12 | 7:41:31 AM | 0.28 | 226 | 479 | 10 |
| 8/1/12 | 7:42:31 AM | 0.28 | 225 | 479 | 10 |
| 8/1/12 | 7:43:31 AM | 0.28 | 225 | 477 | 10 |
| 8/1/12 | 7:44:31 AM | 0.28 | 225 | 476 | 10 |
| 8/1/12 | 7:45:31 AM | 0.28 | 225 | 476 | 10 |
| 8/1/12 | 7:46:31 AM | 0.28 | 226 | 476 | 10 |
| 8/1/12 | 7:47:31 AM | 0.28 | 225 | 476 | 10 |
| 8/1/12 | 7:48:31 AM | 0.28 | 226 | 478 | 10 |
| 8/1/12 | 7:49:31 AM | 0.28 | 225 | 478 | 10 |
| 8/1/12 | 7:50:31 AM | 0.28 | 225 | 478 | 10 |
| 8/1/12 | 7:51:31 AM | 0.28 | 225 | 479 | 10 |
| 8/1/12 | 7:52:31 AM | 0.28 | 225 | 481 | 10 |
| 8/1/12 | 7:53:31 AM | 0.28 | 225 | 478 | 10 |
| 8/1/12 | 7:54:31 AM | 0.28 | 225 | 477 | 10 |
| 8/1/12 | 7:55:31 AM | 0.28 | 225 | 477 | 11 |
| 8/1/12 | 7:56:31 AM | 0.28 | 225 | 479 | 11 |
| 8/1/12 | 7:57:31 AM | 0.28 | 225 | 478 | 11 |
| 8/1/12 | 7:58:31 AM | 0.28 | 224 | 480 | 10 |
| 8/1/12 | 7:59:31 AM | 0.29 | 223 | 484 | 10 |
| 8/1/12 | 8:00:31 AM | 0.28 | 224 | 483 | 10 |
| 8/1/12 | 8:01:31 AM | 0.28 | 224 | 482 | 10 |
| 8/1/12 | 8:02:31 AM | 0.28 | 224 | 481 | 10 |
| 8/1/12 | 8:03:31 AM | 0.28 | 223 | 478 | 10 |
| 8/1/12 | 8:04:31 AM | 0.28 | 222 | 475 | 10 |
| 8/1/12 | 8:05:31 AM | 0.28 | 223 | 476 | 10 |
| 8/1/12 | 8:06:31 AM | 0.28 | 223 | 478 | 10 |
| 8/1/12 | 8:07:31 AM | 0.28 | 222 | 475 | 10 |
| 8/1/12 | 8:08:31 AM | 0.28 | 223 | 473 | 10 |
| 8/1/12 | 8:09:31 AM | 0.28 | 223 | 471 | 10 |
| 8/1/12 | 8:10:31 AM | 0.28 | 222 | 472 | 10 |
| 8/1/12 | 8:11:31 AM | 0.28 | 222 | 472 | 10 |
| 8/1/12 | 8:12:31 AM | 0.28 | 223 | 473 | 10 |
| 8/1/12 | 8:13:31 AM | 0.28 | 223 | 473 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 8:14:31 AM | 0.28 | 224 | 473 | 10 |
| 8/1/12 | 8:15:31 AM | 0.28 | 224 | 474 | 10 |
| 8/1/12 | 8:16:31 AM | 0.28 | 224 | 476 | 10 |
| 8/1/12 | 8:17:31 AM | 0.28 | 224 | 477 | 10 |
| 8/1/12 | 8:18:31 AM | 0.28 | 224 | 477 | 10 |
| 8/1/12 | 8:19:31 AM | 0.28 | 225 | 478 | 10 |
| 8/1/12 | 8:20:31 AM | 0.28 | 225 | 478 | 10 |
| 8/1/12 | 8:21:31 AM | 0.28 | 225 | 481 | 10 |
| 8/1/12 | 8:22:31 AM | 0.28 | 226 | 482 | 10 |
| 8/1/12 | 8:23:31 AM | 0.28 | 226 | 482 | 10 |
| 8/1/12 | 8:24:31 AM | 0.28 | 226 | 481 | 10 |
| 8/1/12 | 8:25:31 AM | 0.28 | 226 | 482 | 10 |
| 8/1/12 | 8:26:31 AM | 0.28 | 226 | 483 | 10 |
| 8/1/12 | 8:27:31 AM | 0.28 | 226 | 483 | 10 |
| 8/1/12 | 8:28:31 AM | 0.28 | 226 | 487 | 10 |
| 8/1/12 | 8:29:31 AM | 0.28 | 225 | 487 | 10 |
| 8/1/12 | 8:30:31 AM | 0.28 | 225 | 485 | 10 |
| 8/1/12 | 8:31:31 AM | 0.28 | 225 | 482 | 10 |
| 8/1/12 | 8:32:31 AM | 0.28 | 225 | 481 | 10 |
| 8/1/12 | 8:33:31 AM | 0.28 | 226 | 482 | 10 |
| 8/1/12 | 8:34:31 AM | 0.28 | 226 | 481 | 10 |
| 8/1/12 | 8:35:31 AM | 0.28 | 226 | 481 | 10 |
| 8/1/12 | 8:36:31 AM | 0.28 | 226 | 482 | 10 |
| 8/1/12 | 8:37:31 AM | 0.28 | 226 | 481 | 10 |
| 8/1/12 | 8:38:31 AM | 0.28 | 227 | 482 | 10 |
| 8/1/12 | 8:39:31 AM | 0.28 | 227 | 481 | 10 |
| 8/1/12 | 8:40:31 AM | 0.28 | 227 | 484 | 10 |
| 8/1/12 | 8:41:31 AM | 0.27 | 228 | 485 | 10 |
| 8/1/12 | 8:42:31 AM | 0.28 | 229 | 487 | 10 |
| 8/1/12 | 8:43:31 AM | 0.28 | 229 | 489 | 10 |
| 8/1/12 | 8:44:31 AM | 0.28 | 229 | 492 | 10 |
| 8/1/12 | 8:45:31 AM | 0.28 | 230 | 493 | 10 |
| 8/1/12 | 8:46:31 AM | 0.28 | 230 | 498 | 10 |
| 8/1/12 | 8:47:31 AM | 0.28 | 230 | 497 | 10 |
| 8/1/12 | 8:48:31 AM | 0.28 | 230 | 498 | 10 |
| 8/1/12 | 8:49:31 AM | 0.28 | 229 | 496 | 10 |
| 8/1/12 | 8:50:31 AM | 0.28 | 228 | 496 | 10 |
| 8/1/12 | 8:51:31 AM | 0.27 | 229 | 497 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 8:52:31 AM | 0.28 | 230 | 498 | 10 |
| 8/1/12 | 8:53:31 AM | 0.28 | 230 | 498 | 10 |
| 8/1/12 | 8:54:31 AM | 0.28 | 230 | 499 | 10 |
| 8/1/12 | 8:55:31 AM | 0.27 | 230 | 501 | 10 |
| 8/1/12 | 8:56:31 AM | 0.28 | 231 | 502 | 10 |
| 8/1/12 | 8:57:31 AM | 0.28 | 230 | 501 | 10 |
| 8/1/12 | 8:58:31 AM | 0.28 | 230 | 503 | 10 |
| 8/1/12 | 8:59:31 AM | 0.28 | 231 | 508 | 10 |
| 8/1/12 | 9:00:31 AM | 0.28 | 231 | 507 | 10 |
| 8/1/12 | 9:01:31 AM | 0.28 | 232 | 507 | 10 |
| 8/1/12 | 9:02:31 AM | 0.28 | 233 | 508 | 10 |
| 8/1/12 | 9:03:31 AM | 0.28 | 233 | 510 | 10 |
| 8/1/12 | 9:04:31 AM | 0.27 | 233 | 510 | 10 |
| 8/1/12 | 9:05:31 AM | 0.28 | 233 | 511 | 10 |
| 8/1/12 | 9:06:31 AM | 0.28 | 233 | 510 | 10 |
| 8/1/12 | 9:07:31 AM | 0.28 | 232 | 509 | 10 |
| 8/1/12 | 9:08:31 AM | 0.28 | 232 | 507 | 10 |
| 8/1/12 | 9:09:31 AM | 0.27 | 231 | 506 | 10 |
| 8/1/12 | 9:10:31 AM | 0.27 | 231 | 506 | 10 |
| 8/1/12 | 9:11:31 AM | 0.28 | 230 | 505 | 10 |
| 8/1/12 | 9:12:31 AM | 0.28 | 231 | 505 | 10 |
| 8/1/12 | 9:13:31 AM | 0.28 | 231 | 503 | 10 |
| 8/1/12 | 9:14:31 AM | 0.28 | 232 | 506 | 10 |
| 8/1/12 | 9:15:31 AM | 0.27 | 232 | 507 | 10 |
| 8/1/12 | 9:16:31 AM | 0.27 | 233 | 507 | 10 |
| 8/1/12 | 9:17:31 AM | 0.27 | 234 | 510 | 10 |
| 8/1/12 | 9:18:31 AM | 0.27 | 234 | 512 | 10 |
| 8/1/12 | 9:19:31 AM | 0.27 | 234 | 513 | 10 |
| 8/1/12 | 9:20:31 AM | 0.28 | 234 | 515 | 10 |
| 8/1/12 | 9:21:31 AM | 0.27 | 235 | 517 | 10 |
| 8/1/12 | 9:22:31 AM | 0.27 | 235 | 517 | 10 |
| 8/1/12 | 9:23:31 AM | 0.27 | 234 | 518 | 10 |
| 8/1/12 | 9:24:31 AM | 0.27 | 234 | 516 | 10 |
| 8/1/12 | 9:25:31 AM | 0.28 | 233 | 517 | 10 |
| 8/1/12 | 9:26:31 AM | 0.27 | 234 | 517 | 10 |
| 8/1/12 | 9:27:31 AM | 0.28 | 234 | 519 | 10 |
| 8/1/12 | 9:28:31 AM | 0.28 | 233 | 518 | 10 |
| 8/1/12 | 9:29:31 AM | 0.28 | 233 | 518 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 9:30:31 AM | 0.28 | 233 | 518 | 10 |
| 8/1/12 | 9:31:31 AM | 0.27 | 233 | 518 | 10 |
| 8/1/12 | 9:32:31 AM | 0.28 | 233 | 517 | 10 |
| 8/1/12 | 9:33:31 AM | 0.27 | 233 | 518 | 10 |
| 8/1/12 | 9:34:31 AM | 0.28 | 231 | 517 | 10 |
| 8/1/12 | 9:35:31 AM | 0.28 | 231 | 518 | 10 |
| 8/1/12 | 9:36:31 AM | 0.28 | 232 | 520 | 10 |
| 8/1/12 | 9:37:31 AM | 0.27 | 233 | 521 | 10 |
| 8/1/12 | 9:38:31 AM | 0.27 | 233 | 520 | 10 |
| 8/1/12 | 9:39:31 AM | 0.27 | 234 | 521 | 10 |
| 8/1/12 | 9:40:31 AM | 0.28 | 234 | 523 | 10 |
| 8/1/12 | 9:41:31 AM | 0.27 | 235 | 526 | 10 |
| 8/1/12 | 9:42:31 AM | 0.27 | 236 | 528 | 10 |
| 8/1/12 | 9:43:31 AM | 0.27 | 237 | 531 | 10 |
| 8/1/12 | 9:44:31 AM | 0.27 | 237 | 532 | 10 |
| 8/1/12 | 9:45:31 AM | 0.28 | 237 | 535 | 10 |
| 8/1/12 | 9:46:31 AM | 0.28 | 237 | 535 | 10 |
| 8/1/12 | 9:47:31 AM | 0.28 | 237 | 536 | 10 |
| 8/1/12 | 9:48:31 AM | 0.28 | 236 | 535 | 10 |
| 8/1/12 | 9:49:31 AM | 0.27 | 237 | 536 | 11 |
| 8/1/12 | 9:50:31 AM | 0.28 | 238 | 546 | 11 |
| 8/1/12 | 9:51:31 AM | 0.27 | 237 | 546 | 11 |
| 8/1/12 | 9:52:31 AM | 0.27 | 238 | 547 | 11 |
| 8/1/12 | 9:53:31 AM | 0.28 | 238 | 546 | 11 |
| 8/1/12 | 9:54:31 AM | 0.28 | 238 | 546 | 11 |
| 8/1/12 | 9:55:31 AM | 0.27 | 237 | 545 | 11 |
| 8/1/12 | 9:56:31 AM | 0.28 | 236 | 542 | 10 |
| 8/1/12 | 9:57:31 AM | 0.27 | 236 | 542 | 10 |
| 8/1/12 | 9:58:31 AM | 0.27 | 236 | 539 | 11 |
| 8/1/12 | 9:59:31 AM | 0.27 | 237 | 539 | 11 |
| 8/1/12 | 10:00:31 AM | 0.27 | 238 | 544 | 11 |
| 8/1/12 | 10:01:31 AM | 0.27 | 237 | 546 | 11 |
| 8/1/12 | 10:02:31 AM | 0.27 | 236 | 547 | 11 |
| 8/1/12 | 10:03:31 AM | 0.27 | 236 | 545 | 11 |
| 8/1/12 | 10:04:31 AM | 0.28 | 236 | 543 | 11 |
| 8/1/12 | 10:05:31 AM | 0.27 | 236 | 543 | 11 |
| 8/1/12 | 10:06:31 AM | 0.27 | 235 | 543 | 11 |
| 8/1/12 | 10:07:31 AM | 0.27 | 235 | 541 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 10:08:31 AM | 0.27 | 236 | 543 | 11 |
| 8/1/12 | 10:09:31 AM | 0.27 | 237 | 544 | 11 |
| 8/1/12 | 10:10:31 AM | 0.28 | 236 | 544 | 11 |
| 8/1/12 | 10:11:31 AM | 0.27 | 236 | 544 | 11 |
| 8/1/12 | 10:12:31 AM | 0.28 | 236 | 543 | 11 |
| 8/1/12 | 10:13:31 AM | 0.28 | 236 | 542 | 11 |
| 8/1/12 | 10:14:31 AM | 0.27 | 234 | 539 | 11 |
| 8/1/12 | 10:15:31 AM | 0.27 | 233 | 537 | 11 |
| 8/1/12 | 10:16:31 AM | 0.28 | 232 | 536 | 11 |
| 8/1/12 | 10:17:31 AM | 0.27 | 232 | 534 | 11 |
| 8/1/12 | 10:18:31 AM | 0.28 | 233 | 533 | 11 |
| 8/1/12 | 10:19:31 AM | 0.27 | 234 | 533 | 11 |
| 8/1/12 | 10:20:31 AM | 0.27 | 235 | 535 | 11 |
| 8/1/12 | 10:21:31 AM | 0.27 | 235 | 536 | 11 |
| 8/1/12 | 10:22:31 AM | 0.27 | 236 | 536 | 11 |
| 8/1/12 | 10:23:31 AM | 0.27 | 236 | 537 | 11 |
| 8/1/12 | 10:24:31 AM | 0.27 | 236 | 538 | 11 |
| 8/1/12 | 10:25:31 AM | 0.27 | 236 | 539 | 11 |
| 8/1/12 | 10:26:31 AM | 0.27 | 236 | 540 | 11 |
| 8/1/12 | 10:27:31 AM | 0.27 | 236 | 539 | 11 |
| 8/1/12 | 10:28:31 AM | 0.27 | 236 | 539 | 11 |
| 8/1/12 | 10:29:31 AM | 0.27 | 237 | 540 | 11 |
| 8/1/12 | 10:30:31 AM | 0.27 | 238 | 541 | 11 |
| 8/1/12 | 10:31:31 AM | 0.28 | 237 | 541 | 11 |
| 8/1/12 | 10:32:31 AM | 0.28 | 236 | 540 | 11 |
| 8/1/12 | 10:33:31 AM | 0.28 | 235 | 538 | 11 |
| 8/1/12 | 10:34:31 AM | 0.28 | 235 | 537 | 11 |
| 8/1/12 | 10:35:31 AM | 0.28 | 235 | 534 | 11 |
| 8/1/12 | 10:36:31 AM | 0.27 | 235 | 534 | 11 |
| 8/1/12 | 10:37:31 AM | 0.28 | 235 | 535 | 11 |
| 8/1/12 | 10:38:31 AM | 0.28 | 235 | 542 | 11 |
| 8/1/12 | 10:39:31 AM | 0.27 | 235 | 542 | 11 |
| 8/1/12 | 10:40:31 AM | 0.27 | 235 | 541 | 11 |
| 8/1/12 | 10:41:31 AM | 0.27 | 235 | 539 | 11 |
| 8/1/12 | 10:42:31 AM | 0.27 | 235 | 537 | 11 |
| 8/1/12 | 10:43:31 AM | 0.28 | 235 | 535 | 11 |
| 8/1/12 | 10:44:31 AM | 0.27 | 235 | 538 | 11 |
| 8/1/12 | 10:45:31 AM | 0.28 | 235 | 536 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 10:46:31 AM | 0.27 | 235 | 533 | 11 |
| 8/1/12 | 10:47:31 AM | 0.28 | 235 | 532 | 11 |
| 8/1/12 | 10:48:31 AM | 0.27 | 236 | 531 | 11 |
| 8/1/12 | 10:49:31 AM | 0.27 | 237 | 533 | 11 |
| 8/1/12 | 10:50:31 AM | 0.28 | 237 | 533 | 11 |
| 8/1/12 | 10:51:31 AM | 0.27 | 237 | 533 | 11 |
| 8/1/12 | 10:52:31 AM | 0.28 | 237 | 533 | 11 |
| 8/1/12 | 10:53:31 AM | 0.27 | 237 | 539 | 11 |
| 8/1/12 | 10:54:31 AM | 0.27 | 237 | 537 | 11 |
| 8/1/12 | 10:55:31 AM | 0.27 | 238 | 533 | 11 |
| 8/1/12 | 10:56:31 AM | 0.27 | 237 | 532 | 11 |
| 8/1/12 | 10:57:31 AM | 0.27 | 238 | 533 | 11 |
| 8/1/12 | 10:58:31 AM | 0.27 | 238 | 533 | 11 |
| 8/1/12 | 10:59:31 AM | 0.27 | 238 | 534 | 11 |
| 8/1/12 | 11:00:31 AM | 0.27 | 237 | 534 | 11 |
| 8/1/12 | 11:01:31 AM | 0.27 | 236 | 531 | 11 |
| 8/1/12 | 11:02:31 AM | 0.27 | 234 | 530 | 11 |
| 8/1/12 | 11:03:31 AM | 0.27 | 233 | 527 | 11 |
| 8/1/12 | 11:04:31 AM | 0.27 | 234 | 526 | 11 |
| 8/1/12 | 11:05:31 AM | 0.27 | 233 | 526 | 11 |
| 8/1/12 | 11:06:31 AM | 0.27 | 231 | 525 | 11 |
| 8/1/12 | 11:07:31 AM | 0.27 | 231 | 524 | 11 |
| 8/1/12 | 11:08:31 AM | 0.27 | 232 | 522 | 11 |
| 8/1/12 | 11:09:31 AM | 0.28 | 233 | 524 | 11 |
| 8/1/12 | 11:10:31 AM | 0.28 | 234 | 530 | 11 |
| 8/1/12 | 11:11:31 AM | 0.27 | 233 | 531 | 11 |
| 8/1/12 | 11:12:31 AM | 0.28 | 232 | 529 | 11 |
| 8/1/12 | 11:13:31 AM | 0.28 | 231 | 524 | 11 |
| 8/1/12 | 11:14:31 AM | 0.28 | 228 | 521 | 11 |
| 8/1/12 | 11:15:31 AM | 0.28 | 228 | 517 | 11 |
| 8/1/12 | 11:16:31 AM | 0.27 | 227 | 517 | 11 |
| 8/1/12 | 11:17:31 AM | 0.28 | 228 | 515 | 11 |
| 8/1/12 | 11:18:31 AM | 0.27 | 228 | 513 | 11 |
| 8/1/12 | 11:19:31 AM | 0.28 | 228 | 512 | 11 |
| 8/1/12 | 11:20:31 AM | 0.28 | 228 | 510 | 11 |
| 8/1/12 | 11:21:31 AM | 0.27 | 228 | 510 | 11 |
| 8/1/12 | 11:22:31 AM | 0.27 | 230 | 511 | 11 |
| 8/1/12 | 11:23:31 AM | 0.28 | 231 | 513 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 11:24:31 AM | 0.27 | 231 | 514 | 11 |
| 8/1/12 | 11:25:31 AM | 0.27 | 231 | 512 | 12 |
| 8/1/12 | 11:26:31 AM | 0.27 | 231 | 513 | 12 |
| 8/1/12 | 11:27:31 AM | 0.28 | 230 | 513 | 12 |
| 8/1/12 | 11:28:31 AM | 0.28 | 229 | 512 | 12 |
| 8/1/12 | 11:29:31 AM | 0.28 | 228 | 510 | 12 |
| 8/1/12 | 11:30:31 AM | 0.28 | 229 | 507 | 12 |
| 8/1/12 | 11:31:31 AM | 0.27 | 231 | 509 | 12 |
| 8/1/12 | 11:32:31 AM | 0.27 | 232 | 513 | 12 |
| 8/1/12 | 11:33:31 AM | 0.27 | 233 | 517 | 12 |
| 8/1/12 | 11:34:31 AM | 0.28 | 233 | 518 | 12 |
| 8/1/12 | 11:35:31 AM | 0.28 | 233 | 518 | 12 |
| 8/1/12 | 11:36:31 AM | 0.28 | 233 | 519 | 12 |
| 8/1/12 | 11:37:31 AM | 0.28 | 233 | 518 | 12 |
| 8/1/12 | 11:38:31 AM | 0.28 | 233 | 521 | 12 |
| 8/1/12 | 11:39:31 AM | 0.28 | 232 | 521 | 12 |
| 8/1/12 | 11:40:31 AM | 0.28 | 232 | 521 | 12 |
| 8/1/12 | 11:41:31 AM | 0.27 | 233 | 521 | 12 |
| 8/1/12 | 11:42:31 AM | 0.27 | 234 | 523 | 12 |
| 8/1/12 | 11:43:31 AM | 0.28 | 233 | 525 | 12 |
| 8/1/12 | 11:44:31 AM | 0.27 | 231 | 528 | 12 |
| 8/1/12 | 11:45:31 AM | 0.27 | 232 | 526 | 12 |
| 8/1/12 | 11:46:31 AM | 0.28 | 233 | 528 | 12 |
| 8/1/12 | 11:47:31 AM | 0.28 | 233 | 528 | 12 |
| 8/1/12 | 11:48:31 AM | 0.28 | 232 | 527 | 12 |
| 8/1/12 | 11:49:31 AM | 0.27 | 231 | 522 | 12 |
| 8/1/12 | 11:50:31 AM | 0.28 | 229 | 517 | 12 |
| 8/1/12 | 11:51:31 AM | 0.28 | 227 | 514 | 12 |
| 8/1/12 | 11:52:31 AM | 0.28 | 226 | 510 | 12 |
| 8/1/12 | 11:53:31 AM | 0.28 | 228 | 511 | 12 |
| 8/1/12 | 11:54:31 AM | 0.28 | 228 | 513 | 12 |
| 8/1/12 | 11:55:31 AM | 0.28 | 227 | 515 | 12 |
| 8/1/12 | 11:56:31 AM | 0.28 | 227 | 512 | 12 |
| 8/1/12 | 11:57:31 AM | 0.28 | 228 | 514 | 12 |
| 8/1/12 | 11:58:31 AM | 0.27 | 229 | 513 | 12 |
| 8/1/12 | 11:59:31 AM | 0.28 | 229 | 514 | 12 |
| 8/1/12 | 12:00:31 PM | 0.28 | 230 | 514 | 12 |
| 8/1/12 | 12:01:31 PM | 0.28 | 230 | 514 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 12:02:31 PM | 0.28 | 228 | 511 | 12 |
| 8/1/12 | 12:03:31 PM | 0.28 | 225 | 509 | 12 |
| 8/1/12 | 12:04:31 PM | 0.28 | 225 | 506 | 12 |
| 8/1/12 | 12:05:31 PM | 0.28 | 226 | 507 | 12 |
| 8/1/12 | 12:06:31 PM | 0.28 | 224 | 508 | 12 |
| 8/1/12 | 12:07:31 PM | 0.28 | 225 | 510 | 12 |
| 8/1/12 | 12:08:31 PM | 0.28 | 224 | 509 | 12 |
| 8/1/12 | 12:09:31 PM | 0.28 | 224 | 510 | 12 |
| 8/1/12 | 12:10:31 PM | 0.28 | 223 | 508 | 12 |
| 8/1/12 | 12:11:31 PM | 0.28 | 223 | 507 | 12 |
| 8/1/12 | 12:12:31 PM | 0.28 | 223 | 509 | 12 |
| 8/1/12 | 12:13:31 PM | 0.28 | 223 | 509 | 12 |
| 8/1/12 | 12:14:31 PM | 0.28 | 224 | 508 | 12 |
| 8/1/12 | 12:15:31 PM | 0.28 | 225 | 512 | 12 |
| 8/1/12 | 12:16:31 PM | 0.28 | 225 | 512 | 12 |
| 8/1/12 | 12:17:31 PM | 0.28 | 225 | 512 | 12 |
| 8/1/12 | 12:18:31 PM | 0.28 | 223 | 513 | 12 |
| 8/1/12 | 12:19:31 PM | 0.28 | 225 | 514 | 12 |
| 8/1/12 | 12:20:31 PM | 0.27 | 225 | 517 | 12 |
| 8/1/12 | 12:21:31 PM | 0.27 | 225 | 516 | 12 |
| 8/1/12 | 12:22:31 PM | 0.28 | 225 | 515 | 12 |
| 8/1/12 | 12:23:31 PM | 0.28 | 226 | 513 | 12 |
| 8/1/12 | 12:24:31 PM | 0.28 | 225 | 512 | 12 |
| 8/1/12 | 12:25:31 PM | 0.28 | 224 | 512 | 12 |
| 8/1/12 | 12:26:31 PM | 0.28 | 224 | 512 | 12 |
| 8/1/12 | 12:27:31 PM | 0.28 | 224 | 513 | 12 |
| 8/1/12 | 12:28:31 PM | 0.27 | 223 | 514 | 12 |
| 8/1/12 | 12:29:31 PM | 0.27 | 222 | 509 | 12 |
| 8/1/12 | 12:30:31 PM | 0.28 | 222 | 508 | 12 |
| 8/1/12 | 12:31:31 PM | 0.28 | 222 | 508 | 12 |
| 8/1/12 | 12:32:31 PM | 0.28 | 222 | 509 | 12 |
| 8/1/12 | 12:33:31 PM | 0.28 | 221 | 511 | 12 |
| 8/1/12 | 12:34:31 PM | 0.28 | 221 | 509 | 12 |
| 8/1/12 | 12:35:31 PM | 0.28 | 222 | 510 | 12 |
| 8/1/12 | 12:36:31 PM | 0.28 | 223 | 513 | 12 |
| 8/1/12 | 12:37:31 PM | 0.28 | 224 | 513 | 12 |
| 8/1/12 | 12:38:31 PM | 0.28 | 224 | 513 | 12 |
| 8/1/12 | 12:39:31 PM | 0.28 | 224 | 512 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 12:40:31 PM | 0.27 | 224 | 520 | 12 |
| 8/1/12 | 12:41:31 PM | 0.27 | 223 | 523 | 12 |
| 8/1/12 | 12:42:31 PM | 0.28 | 223 | 522 | 12 |
| 8/1/12 | 12:43:31 PM | 0.28 | 223 | 520 | 12 |
| 8/1/12 | 12:44:31 PM | 0.28 | 224 | 522 | 12 |
| 8/1/12 | 12:45:31 PM | 0.28 | 225 | 522 | 12 |
| 8/1/12 | 12:46:31 PM | 0.27 | 224 | 521 | 12 |
| 8/1/12 | 12:47:31 PM | 0.28 | 222 | 516 | 12 |
| 8/1/12 | 12:48:31 PM | 0.28 | 221 | 512 | 12 |
| 8/1/12 | 12:49:31 PM | 0.28 | 220 | 509 | 12 |
| 8/1/12 | 12:50:31 PM | 0.28 | 220 | 506 | 12 |
| 8/1/12 | 12:51:31 PM | 0.28 | 219 | 506 | 12 |
| 8/1/12 | 12:52:31 PM | 0.27 | 220 | 506 | 12 |
| 8/1/12 | 12:53:31 PM | 0.28 | 221 | 506 | 12 |
| 8/1/12 | 12:54:31 PM | 0.28 | 220 | 502 | 12 |
| 8/1/12 | 12:55:31 PM | 0.28 | 220 | 501 | 12 |
| 8/1/12 | 12:56:31 PM | 0.28 | 220 | 499 | 12 |
| 8/1/12 | 12:57:31 PM | 0.28 | 220 | 500 | 12 |
| 8/1/12 | 12:58:31 PM | 0.28 | 220 | 499 | 12 |
| 8/1/12 | 12:59:31 PM | 0.28 | 220 | 498 | 12 |
| 8/1/12 | 1:00:31 PM | 0.28 | 221 | 499 | 12 |
| 8/1/12 | 1:01:31 PM | 0.28 | 222 | 500 | 12 |
| 8/1/12 | 1:02:31 PM | 0.28 | 222 | 500 | 12 |
| 8/1/12 | 1:03:31 PM | 0.28 | 220 | 497 | 12 |
| 8/1/12 | 1:04:31 PM | 0.28 | 220 | 499 | 12 |
| 8/1/12 | 1:05:31 PM | 0.28 | 221 | 503 | 12 |
| 8/1/12 | 1:06:31 PM | 0.28 | 221 | 503 | 12 |
| 8/1/12 | 1:07:31 PM | 0.28 | 221 | 501 | 12 |
| 8/1/12 | 1:08:31 PM | 0.28 | 221 | 500 | 12 |
| 8/1/12 | 1:09:31 PM | 0.28 | 222 | 499 | 12 |
| 8/1/12 | 1:10:31 PM | 0.28 | 223 | 500 | 12 |
| 8/1/12 | 1:11:31 PM | 0.28 | 225 | 502 | 12 |
| 8/1/12 | 1:12:31 PM | 0.28 | 226 | 503 | 12 |
| 8/1/12 | 1:13:31 PM | 0.28 | 226 | 506 | 12 |
| 8/1/12 | 1:14:31 PM | 0.27 | 226 | 504 | 12 |
| 8/1/12 | 1:15:31 PM | 0.28 | 226 | 505 | 12 |
| 8/1/12 | 1:16:31 PM | 0.28 | 224 | 502 | 12 |
| 8/1/12 | 1:17:31 PM | 0.28 | 223 | 500 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 1:18:31 PM | 0.28 | 224 | 499 | 12 |
| 8/1/12 | 1:19:31 PM | 0.28 | 223 | 499 | 12 |
| 8/1/12 | 1:20:31 PM | 0.28 | 222 | 498 | 12 |
| 8/1/12 | 1:21:31 PM | 0.28 | 222 | 496 | 12 |
| 8/1/12 | 1:22:31 PM | 0.28 | 222 | 496 | 12 |
| 8/1/12 | 1:23:31 PM | 0.27 | 222 | 493 | 12 |
| 8/1/12 | 1:24:31 PM | 0.28 | 222 | 493 | 12 |
| 8/1/12 | 1:25:31 PM | 0.28 | 222 | 492 | 12 |
| 8/1/12 | 1:26:31 PM | 0.28 | 222 | 491 | 12 |
| 8/1/12 | 1:27:31 PM | 0.28 | 221 | 492 | 12 |
| 8/1/12 | 1:28:31 PM | 0.28 | 221 | 492 | 12 |
| 8/1/12 | 1:29:31 PM | 0.28 | 220 | 492 | 12 |
| 8/1/12 | 1:30:31 PM | 0.28 | 220 | 490 | 12 |
| 8/1/12 | 1:31:31 PM | 0.28 | 220 | 490 | 12 |
| 8/1/12 | 1:32:31 PM | 0.28 | 221 | 491 | 12 |
| 8/1/12 | 1:33:31 PM | 0.28 | 223 | 492 | 12 |
| 8/1/12 | 1:34:31 PM | 0.28 | 224 | 494 | 12 |
| 8/1/12 | 1:35:31 PM | 0.28 | 224 | 496 | 12 |
| 8/1/12 | 1:36:31 PM | 0.28 | 223 | 497 | 12 |
| 8/1/12 | 1:37:31 PM | 0.28 | 225 | 498 | 12 |
| 8/1/12 | 1:38:31 PM | 0.28 | 226 | 501 | 12 |
| 8/1/12 | 1:39:31 PM | 0.28 | 226 | 502 | 12 |
| 8/1/12 | 1:40:31 PM | Start Calibration | | | |
| 8/1/12 | 1:41:31 PM | | | | |
| 8/1/12 | 1:42:31 PM | | | | |
| 8/1/12 | 1:43:31 PM | | | | |
| 8/1/12 | 1:44:31 PM | | | | |
| 8/1/12 | 1:45:31 PM | | | | |
| 8/1/12 | 1:46:31 PM | | | | |
| 8/1/12 | 1:47:31 PM | | | | |
| 8/1/12 | 1:48:31 PM | | | | |
| 8/1/12 | 1:49:31 PM | | | | |
| 8/1/12 | 1:50:31 PM | | | | |
| 8/1/12 | 1:51:31 PM | | | | |
| 8/1/12 | 1:52:31 PM | | | | |
| 8/1/12 | 1:53:31 PM | | | | |
| 8/1/12 | 1:54:31 PM | | | | |
| 8/1/12 | 1:55:31 PM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 1:56:31 PM | | | | |
| 8/1/12 | 1:57:31 PM | | | | |
| 8/1/12 | 1:58:31 PM | | | | |
| 8/1/12 | 1:59:31 PM | | | | |
| 8/1/12 | 2:00:31 PM | | | | |
| 8/1/12 | 2:01:31 PM | | | | |
| 8/1/12 | 2:02:31 PM | | | | |
| 8/1/12 | 2:03:31 PM | | | | |
| 8/1/12 | 2:04:31 PM | | | | |
| 8/1/12 | 2:05:31 PM | | | | |
| 8/1/12 | 2:06:31 PM | | | | |
| 8/1/12 | 2:07:31 PM | | | | |
| 8/1/12 | 2:08:31 PM | | | | |
| 8/1/12 | 2:09:31 PM | End Calibration | | | |
| 8/1/12 | 2:10:31 PM | 0.28 | 223 | 402 | 12 |
| 8/1/12 | 2:11:31 PM | 0.28 | 222 | 415 | 12 |
| 8/1/12 | 2:12:31 PM | 0.28 | 222 | 423 | 12 |
| 8/1/12 | 2:13:31 PM | 0.28 | 221 | 432 | 12 |
| 8/1/12 | 2:14:31 PM | 0.28 | 220 | 436 | 12 |
| 8/1/12 | 2:15:31 PM | 0.28 | 220 | 437 | 12 |
| 8/1/12 | 2:16:31 PM | 0.28 | 219 | 438 | 12 |
| 8/1/12 | 2:17:31 PM | 0.28 | 219 | 440 | 12 |
| 8/1/12 | 2:18:31 PM | 0.28 | 220 | 445 | 12 |
| 8/1/12 | 2:19:31 PM | 0.28 | 220 | 446 | 12 |
| 8/1/12 | 2:20:31 PM | 0.28 | 221 | 448 | 12 |
| 8/1/12 | 2:21:31 PM | 0.28 | 222 | 452 | 12 |
| 8/1/12 | 2:22:31 PM | 0.28 | 222 | 457 | 12 |
| 8/1/12 | 2:23:31 PM | 0.28 | 222 | 459 | 12 |
| 8/1/12 | 2:24:31 PM | 0.28 | 222 | 460 | 12 |
| 8/1/12 | 2:25:31 PM | 0.28 | 223 | 461 | 12 |
| 8/1/12 | 2:26:31 PM | 0.28 | 223 | 463 | 12 |
| 8/1/12 | 2:27:31 PM | 0.27 | 224 | 465 | 12 |
| 8/1/12 | 2:28:31 PM | 0.27 | 224 | 462 | 12 |
| 8/1/12 | 2:29:31 PM | 0.28 | 224 | 462 | 12 |
| 8/1/12 | 2:30:31 PM | 0.28 | 225 | 468 | 12 |
| 8/1/12 | 2:31:31 PM | 0.28 | 226 | 467 | 12 |
| 8/1/12 | 2:32:31 PM | 0.28 | 226 | 468 | 12 |
| 8/1/12 | 2:33:31 PM | 0.28 | 226 | 470 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 2:34:31 PM | 0.28 | 224 | 469 | 12 |
| 8/1/12 | 2:35:31 PM | 0.28 | 223 | 466 | 12 |
| 8/1/12 | 2:36:31 PM | 0.27 | 222 | 464 | 12 |
| 8/1/12 | 2:37:31 PM | 0.28 | 222 | 465 | 12 |
| 8/1/12 | 2:38:31 PM | 0.28 | 222 | 464 | 12 |
| 8/1/12 | 2:39:31 PM | 0.27 | 222 | 467 | 12 |
| 8/1/12 | 2:40:31 PM | 0.27 | 221 | 467 | 12 |
| 8/1/12 | 2:41:31 PM | 0.28 | 221 | 466 | 12 |
| 8/1/12 | 2:42:31 PM | 0.28 | 221 | 467 | 12 |
| 8/1/12 | 2:43:31 PM | 0.28 | 221 | 467 | 12 |
| 8/1/12 | 2:44:31 PM | 0.28 | 221 | 470 | 12 |
| 8/1/12 | 2:45:31 PM | 0.28 | 221 | 473 | 12 |
| 8/1/12 | 2:46:31 PM | 0.28 | 221 | 473 | 12 |
| 8/1/12 | 2:47:31 PM | 0.28 | 221 | 474 | 12 |
| 8/1/12 | 2:48:31 PM | 0.28 | 221 | 473 | 12 |
| 8/1/12 | 2:49:31 PM | 0.28 | 220 | 474 | 12 |
| 8/1/12 | 2:50:31 PM | 0.27 | 219 | 474 | 12 |
| 8/1/12 | 2:51:31 PM | 0.28 | 220 | 475 | 12 |
| 8/1/12 | 2:52:31 PM | 0.28 | 220 | 474 | 12 |
| 8/1/12 | 2:53:31 PM | 0.28 | 220 | 476 | 12 |
| 8/1/12 | 2:54:31 PM | 0.28 | 220 | 475 | 12 |
| 8/1/12 | 2:55:31 PM | 0.28 | 221 | 478 | 12 |
| 8/1/12 | 2:56:31 PM | 0.28 | 222 | 481 | 12 |
| 8/1/12 | 2:57:31 PM | 0.28 | 223 | 484 | 12 |
| 8/1/12 | 2:58:31 PM | 0.27 | 223 | 486 | 12 |
| 8/1/12 | 2:59:31 PM | 0.28 | 223 | 486 | 12 |
| 8/1/12 | 3:00:31 PM | 0.28 | 222 | 491 | 12 |
| 8/1/12 | 3:01:31 PM | 0.28 | 221 | 494 | 12 |
| 8/1/12 | 3:02:31 PM | 0.28 | 221 | 492 | 12 |
| 8/1/12 | 3:03:31 PM | 0.28 | 221 | 491 | 12 |
| 8/1/12 | 3:04:31 PM | 0.28 | 220 | 490 | 12 |
| 8/1/12 | 3:05:31 PM | 0.28 | 220 | 487 | 12 |
| 8/1/12 | 3:06:31 PM | 0.28 | 220 | 487 | 12 |
| 8/1/12 | 3:07:31 PM | 0.28 | 220 | 486 | 12 |
| 8/1/12 | 3:08:31 PM | 0.27 | 220 | 486 | 12 |
| 8/1/12 | 3:09:31 PM | 0.28 | 219 | 490 | 12 |
| 8/1/12 | 3:10:31 PM | 0.28 | 217 | 483 | 12 |
| 8/1/12 | 3:11:31 PM | 0.28 | 218 | 484 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 3:12:31 PM | 0.28 | 217 | 484 | 12 |
| 8/1/12 | 3:13:31 PM | 0.28 | 217 | 482 | 12 |
| 8/1/12 | 3:14:31 PM | 0.28 | 215 | 482 | 12 |
| 8/1/12 | 3:15:31 PM | 0.29 | 215 | 480 | 12 |
| 8/1/12 | 3:16:31 PM | 0.28 | 217 | 479 | 12 |
| 8/1/12 | 3:17:31 PM | 0.28 | 217 | 482 | 12 |
| 8/1/12 | 3:18:31 PM | 0.28 | 218 | 484 | 12 |
| 8/1/12 | 3:19:31 PM | 0.28 | 217 | 485 | 12 |
| 8/1/12 | 3:20:31 PM | 0.28 | 218 | 483 | 12 |
| 8/1/12 | 3:21:31 PM | 0.28 | 216 | 482 | 12 |
| 8/1/12 | 3:22:31 PM | 0.28 | 216 | 481 | 12 |
| 8/1/12 | 3:23:31 PM | 0.29 | 215 | 480 | 12 |
| 8/1/12 | 3:24:31 PM | 0.28 | 216 | 480 | 12 |
| 8/1/12 | 3:25:31 PM | 0.28 | 216 | 489 | 12 |
| 8/1/12 | 3:26:31 PM | 0.28 | 218 | 490 | 12 |
| 8/1/12 | 3:27:31 PM | 0.28 | 218 | 490 | 12 |
| 8/1/12 | 3:28:31 PM | 0.28 | 219 | 490 | 12 |
| 8/1/12 | 3:29:31 PM | 0.28 | 219 | 489 | 12 |
| 8/1/12 | 3:30:31 PM | 0.28 | 219 | 486 | 12 |
| 8/1/12 | 3:31:31 PM | 0.28 | 218 | 485 | 12 |
| 8/1/12 | 3:32:31 PM | 0.28 | 218 | 487 | 12 |
| 8/1/12 | 3:33:31 PM | 0.28 | 219 | 487 | 12 |
| 8/1/12 | 3:34:31 PM | 0.28 | 219 | 491 | 12 |
| 8/1/12 | 3:35:31 PM | 0.28 | 219 | 492 | 12 |
| 8/1/12 | 3:36:31 PM | 0.28 | 219 | 491 | 12 |
| 8/1/12 | 3:37:31 PM | 0.28 | 218 | 490 | 12 |
| 8/1/12 | 3:38:31 PM | 0.28 | 218 | 486 | 12 |
| 8/1/12 | 3:39:31 PM | 0.28 | 217 | 487 | 12 |
| 8/1/12 | 3:40:31 PM | 0.28 | 217 | 486 | 12 |
| 8/1/12 | 3:41:31 PM | 0.29 | 218 | 486 | 12 |
| 8/1/12 | 3:42:31 PM | 0.28 | 218 | 487 | 12 |
| 8/1/12 | 3:43:31 PM | 0.28 | 218 | 490 | 12 |
| 8/1/12 | 3:44:31 PM | 0.28 | 218 | 489 | 12 |
| 8/1/12 | 3:45:31 PM | 0.28 | 217 | 490 | 12 |
| 8/1/12 | 3:46:31 PM | 0.28 | 216 | 487 | 12 |
| 8/1/12 | 3:47:31 PM | 0.28 | 218 | 487 | 12 |
| 8/1/12 | 3:48:31 PM | 0.28 | 218 | 489 | 12 |
| 8/1/12 | 3:49:31 PM | 0.29 | 218 | 489 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 3:50:31 PM | 0.29 | 217 | 487 | 12 |
| 8/1/12 | 3:51:31 PM | 0.28 | 218 | 487 | 12 |
| 8/1/12 | 3:52:31 PM | 0.29 | 218 | 486 | 12 |
| 8/1/12 | 3:53:31 PM | 0.28 | 219 | 486 | 12 |
| 8/1/12 | 3:54:31 PM | 0.28 | 219 | 488 | 12 |
| 8/1/12 | 3:55:31 PM | 0.28 | 218 | 486 | 12 |
| 8/1/12 | 3:56:31 PM | 0.28 | 217 | 487 | 12 |
| 8/1/12 | 3:57:31 PM | 0.28 | 217 | 491 | 12 |
| 8/1/12 | 3:58:31 PM | 0.28 | 218 | 491 | 12 |
| 8/1/12 | 3:59:31 PM | 0.28 | 217 | 489 | 12 |
| 8/1/12 | 4:00:31 PM | 0.28 | 218 | 487 | 12 |
| 8/1/12 | 4:01:31 PM | 0.28 | 217 | 489 | 12 |
| 8/1/12 | 4:02:31 PM | 0.28 | 216 | 487 | 12 |
| 8/1/12 | 4:03:31 PM | 0.28 | 217 | 484 | 12 |
| 8/1/12 | 4:04:31 PM | 0.29 | 218 | 486 | 12 |
| 8/1/12 | 4:05:31 PM | 0.28 | 219 | 488 | 12 |
| 8/1/12 | 4:06:31 PM | 0.28 | 217 | 488 | 12 |
| 8/1/12 | 4:07:31 PM | 0.28 | 218 | 487 | 12 |
| 8/1/12 | 4:08:31 PM | 0.28 | 220 | 491 | 12 |
| 8/1/12 | 4:09:31 PM | 0.28 | 223 | 492 | 12 |
| 8/1/12 | 4:10:31 PM | 0.28 | 221 | 496 | 12 |
| 8/1/12 | 4:11:31 PM | 0.28 | 222 | 497 | 12 |
| 8/1/12 | 4:12:31 PM | 0.28 | 222 | 497 | 12 |
| 8/1/12 | 4:13:31 PM | 0.28 | 221 | 497 | 12 |
| 8/1/12 | 4:14:31 PM | 0.28 | 219 | 495 | 12 |
| 8/1/12 | 4:15:31 PM | 0.28 | 218 | 493 | 12 |
| 8/1/12 | 4:16:31 PM | 0.29 | 217 | 490 | 12 |
| 8/1/12 | 4:17:31 PM | 0.28 | 217 | 495 | 12 |
| 8/1/12 | 4:18:31 PM | 0.28 | 218 | 493 | 12 |
| 8/1/12 | 4:19:31 PM | 0.28 | 218 | 492 | 12 |
| 8/1/12 | 4:20:31 PM | 0.28 | 217 | 491 | 12 |
| 8/1/12 | 4:21:31 PM | 0.28 | 216 | 487 | 12 |
| 8/1/12 | 4:22:31 PM | 0.28 | 216 | 486 | 12 |
| 8/1/12 | 4:23:31 PM | 0.28 | 216 | 487 | 12 |
| 8/1/12 | 4:24:31 PM | 0.28 | 218 | 489 | 12 |
| 8/1/12 | 4:25:31 PM | 0.28 | 217 | 489 | 12 |
| 8/1/12 | 4:26:31 PM | 0.28 | 217 | 493 | 12 |
| 8/1/12 | 4:27:31 PM | 0.28 | 217 | 493 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 4:28:31 PM | 0.28 | 216 | 487 | 12 |
| 8/1/12 | 4:29:31 PM | 0.29 | 215 | 487 | 12 |
| 8/1/12 | 4:30:31 PM | 0.28 | 216 | 487 | 12 |
| 8/1/12 | 4:31:31 PM | 0.28 | 217 | 489 | 12 |
| 8/1/12 | 4:32:31 PM | 0.28 | 216 | 489 | 12 |
| 8/1/12 | 4:33:31 PM | 0.28 | 216 | 488 | 12 |
| 8/1/12 | 4:34:31 PM | 0.28 | 217 | 491 | 12 |
| 8/1/12 | 4:35:31 PM | 0.28 | 218 | 493 | 12 |
| 8/1/12 | 4:36:31 PM | 0.28 | 219 | 495 | 12 |
| 8/1/12 | 4:37:31 PM | 0.28 | 220 | 497 | 12 |
| 8/1/12 | 4:38:31 PM | 0.28 | 219 | 499 | 12 |
| 8/1/12 | 4:39:31 PM | 0.28 | 218 | 497 | 12 |
| 8/1/12 | 4:40:31 PM | 0.28 | 219 | 497 | 12 |
| 8/1/12 | 4:41:31 PM | 0.28 | 220 | 497 | 12 |
| 8/1/12 | 4:42:31 PM | 0.28 | 221 | 498 | 12 |
| 8/1/12 | 4:43:31 PM | 0.28 | 221 | 498 | 12 |
| 8/1/12 | 4:44:31 PM | 0.28 | 221 | 501 | 12 |
| 8/1/12 | 4:45:31 PM | 0.28 | 220 | 505 | 12 |
| 8/1/12 | 4:46:31 PM | 0.28 | 219 | 504 | 12 |
| 8/1/12 | 4:47:31 PM | 0.28 | 219 | 500 | 12 |
| 8/1/12 | 4:48:31 PM | 0.29 | 218 | 499 | 12 |
| 8/1/12 | 4:49:31 PM | 0.28 | 218 | 497 | 12 |
| 8/1/12 | 4:50:31 PM | 0.28 | 218 | 497 | 12 |
| 8/1/12 | 4:51:31 PM | 0.28 | 218 | 497 | 12 |
| 8/1/12 | 4:52:31 PM | 0.28 | 219 | 498 | 12 |
| 8/1/12 | 4:53:31 PM | 0.28 | 219 | 498 | 12 |
| 8/1/12 | 4:54:31 PM | 0.28 | 219 | 498 | 12 |
| 8/1/12 | 4:55:31 PM | 0.28 | 218 | 497 | 12 |
| 8/1/12 | 4:56:31 PM | 0.28 | 218 | 497 | 12 |
| 8/1/12 | 4:57:31 PM | 0.28 | 217 | 496 | 12 |
| 8/1/12 | 4:58:31 PM | 0.28 | 218 | 497 | 12 |
| 8/1/12 | 4:59:31 PM | 0.28 | 218 | 499 | 12 |
| 8/1/12 | 5:00:31 PM | 0.28 | 218 | 497 | 12 |
| 8/1/12 | 5:01:31 PM | 0.29 | 218 | 497 | 12 |
| 8/1/12 | 5:02:31 PM | 0.28 | 217 | 497 | 12 |
| 8/1/12 | 5:03:31 PM | 0.28 | 216 | 495 | 12 |
| 8/1/12 | 5:04:31 PM | 0.29 | 216 | 493 | 12 |
| 8/1/12 | 5:05:31 PM | 0.28 | 216 | 493 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 5:06:31 PM | 0.28 | 217 | 494 | 12 |
| 8/1/12 | 5:07:31 PM | 0.28 | 217 | 495 | 12 |
| 8/1/12 | 5:08:31 PM | 0.28 | 216 | 495 | 12 |
| 8/1/12 | 5:09:31 PM | 0.28 | 214 | 492 | 12 |
| 8/1/12 | 5:10:31 PM | 0.28 | 215 | 490 | 12 |
| 8/1/12 | 5:11:31 PM | 0.28 | 215 | 491 | 12 |
| 8/1/12 | 5:12:31 PM | 0.28 | 216 | 491 | 12 |
| 8/1/12 | 5:13:31 PM | 0.28 | 216 | 491 | 12 |
| 8/1/12 | 5:14:31 PM | 0.28 | 216 | 491 | 12 |
| 8/1/12 | 5:15:31 PM | 0.28 | 216 | 491 | 12 |
| 8/1/12 | 5:16:31 PM | 0.28 | 216 | 491 | 12 |
| 8/1/12 | 5:17:31 PM | 0.28 | 217 | 492 | 12 |
| 8/1/12 | 5:18:31 PM | 0.28 | 217 | 494 | 12 |
| 8/1/12 | 5:19:31 PM | 0.29 | 217 | 492 | 12 |
| 8/1/12 | 5:20:31 PM | 0.28 | 216 | 491 | 12 |
| 8/1/12 | 5:21:31 PM | 0.28 | 215 | 487 | 12 |
| 8/1/12 | 5:22:31 PM | 0.28 | 215 | 486 | 12 |
| 8/1/12 | 5:23:31 PM | 0.28 | 215 | 484 | 12 |
| 8/1/12 | 5:24:31 PM | 0.29 | 216 | 486 | 12 |
| 8/1/12 | 5:25:31 PM | 0.28 | 216 | 487 | 12 |
| 8/1/12 | 5:26:31 PM | 0.28 | 215 | 486 | 12 |
| 8/1/12 | 5:27:31 PM | 0.28 | 215 | 486 | 12 |
| 8/1/12 | 5:28:31 PM | 0.28 | 216 | 487 | 12 |
| 8/1/12 | 5:29:31 PM | 0.28 | 216 | 487 | 12 |
| 8/1/12 | 5:30:31 PM | 0.28 | 216 | 487 | 12 |
| 8/1/12 | 5:31:31 PM | 0.28 | 216 | 486 | 12 |
| 8/1/12 | 5:32:31 PM | 0.28 | 215 | 487 | 12 |
| 8/1/12 | 5:33:31 PM | 0.28 | 215 | 486 | 12 |
| 8/1/12 | 5:34:31 PM | 0.28 | 214 | 485 | 12 |
| 8/1/12 | 5:35:31 PM | 0.28 | 214 | 487 | 12 |
| 8/1/12 | 5:36:31 PM | 0.28 | 215 | 492 | 12 |
| 8/1/12 | 5:37:31 PM | 0.29 | 216 | 494 | 12 |
| 8/1/12 | 5:38:31 PM | 0.28 | 215 | 492 | 12 |
| 8/1/12 | 5:39:31 PM | 0.28 | 215 | 492 | 12 |
| 8/1/12 | 5:40:31 PM | 0.28 | 214 | 488 | 12 |
| 8/1/12 | 5:41:31 PM | 0.28 | 214 | 488 | 12 |
| 8/1/12 | 5:42:31 PM | 0.28 | 215 | 488 | 12 |
| 8/1/12 | 5:43:31 PM | 0.28 | 215 | 487 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 5:44:31 PM | 0.28 | 216 | 488 | 12 |
| 8/1/12 | 5:45:31 PM | 0.28 | 216 | 486 | 12 |
| 8/1/12 | 5:46:31 PM | 0.28 | 214 | 484 | 12 |
| 8/1/12 | 5:47:31 PM | 0.28 | 214 | 480 | 12 |
| 8/1/12 | 5:48:31 PM | 0.29 | 215 | 483 | 12 |
| 8/1/12 | 5:49:31 PM | 0.28 | 215 | 479 | 12 |
| 8/1/12 | 5:50:31 PM | 0.28 | 214 | 477 | 12 |
| 8/1/12 | 5:51:31 PM | 0.28 | 213 | 476 | 12 |
| 8/1/12 | 5:52:31 PM | 0.28 | 214 | 475 | 12 |
| 8/1/12 | 5:53:31 PM | 0.28 | 214 | 474 | 12 |
| 8/1/12 | 5:54:31 PM | 0.28 | 214 | 475 | 12 |
| 8/1/12 | 5:55:31 PM | 0.28 | 214 | 476 | 12 |
| 8/1/12 | 5:56:31 PM | 0.29 | 213 | 474 | 12 |
| 8/1/12 | 5:57:31 PM | 0.29 | 213 | 473 | 12 |
| 8/1/12 | 5:58:31 PM | 0.28 | 214 | 474 | 12 |
| 8/1/12 | 5:59:31 PM | 0.28 | 215 | 477 | 12 |
| 8/1/12 | 6:00:31 PM | 0.28 | 215 | 476 | 12 |
| 8/1/12 | 6:01:31 PM | 0.28 | 214 | 476 | 12 |
| 8/1/12 | 6:02:31 PM | 0.28 | 215 | 477 | 12 |
| 8/1/12 | 6:03:31 PM | 0.29 | 216 | 477 | 12 |
| 8/1/12 | 6:04:31 PM | 0.28 | 216 | 481 | 12 |
| 8/1/12 | 6:05:31 PM | 0.28 | 215 | 481 | 12 |
| 8/1/12 | 6:06:31 PM | 0.29 | 214 | 478 | 12 |
| 8/1/12 | 6:07:31 PM | 0.29 | 214 | 481 | 12 |
| 8/1/12 | 6:08:31 PM | 0.28 | 213 | 484 | 12 |
| 8/1/12 | 6:09:31 PM | 0.29 | 214 | 483 | 12 |
| 8/1/12 | 6:10:31 PM | 0.28 | 214 | 483 | 12 |
| 8/1/12 | 6:11:31 PM | 0.28 | 216 | 484 | 12 |
| 8/1/12 | 6:12:31 PM | 0.28 | 216 | 485 | 12 |
| 8/1/12 | 6:13:31 PM | 0.28 | 217 | 487 | 12 |
| 8/1/12 | 6:14:31 PM | 0.28 | 217 | 490 | 12 |
| 8/1/12 | 6:15:31 PM | 0.28 | 216 | 486 | 12 |
| 8/1/12 | 6:16:31 PM | 0.28 | 216 | 484 | 12 |
| 8/1/12 | 6:17:31 PM | 0.28 | 215 | 483 | 12 |
| 8/1/12 | 6:18:31 PM | 0.28 | 215 | 481 | 12 |
| 8/1/12 | 6:19:31 PM | 0.28 | 214 | 479 | 12 |
| 8/1/12 | 6:20:31 PM | 0.28 | 213 | 479 | 12 |
| 8/1/12 | 6:21:31 PM | 0.28 | 213 | 477 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 6:22:31 PM | 0.28 | 213 | 477 | 12 |
| 8/1/12 | 6:23:31 PM | 0.28 | 212 | 476 | 12 |
| 8/1/12 | 6:24:31 PM | 0.28 | 212 | 474 | 12 |
| 8/1/12 | 6:25:31 PM | 0.29 | 212 | 475 | 12 |
| 8/1/12 | 6:26:31 PM | 0.28 | 212 | 473 | 12 |
| 8/1/12 | 6:27:31 PM | 0.29 | 213 | 474 | 12 |
| 8/1/12 | 6:28:31 PM | 0.28 | 213 | 474 | 12 |
| 8/1/12 | 6:29:31 PM | 0.29 | 211 | 472 | 12 |
| 8/1/12 | 6:30:31 PM | 0.28 | 211 | 471 | 12 |
| 8/1/12 | 6:31:31 PM | 0.29 | 212 | 471 | 12 |
| 8/1/12 | 6:32:31 PM | 0.28 | 211 | 470 | 12 |
| 8/1/12 | 6:33:31 PM | 0.28 | 211 | 468 | 12 |
| 8/1/12 | 6:34:31 PM | 0.29 | 212 | 468 | 12 |
| 8/1/12 | 6:35:31 PM | 0.29 | 212 | 469 | 12 |
| 8/1/12 | 6:36:31 PM | 0.29 | 213 | 469 | 12 |
| 8/1/12 | 6:37:31 PM | 0.29 | 213 | 467 | 12 |
| 8/1/12 | 6:38:31 PM | 0.29 | 213 | 470 | 12 |
| 8/1/12 | 6:39:31 PM | 0.28 | 213 | 477 | 12 |
| 8/1/12 | 6:40:31 PM | 0.28 | 213 | 474 | 12 |
| 8/1/12 | 6:41:31 PM | 0.28 | 215 | 475 | 12 |
| 8/1/12 | 6:42:31 PM | 0.28 | 215 | 476 | 12 |
| 8/1/12 | 6:43:31 PM | 0.29 | 214 | 477 | 12 |
| 8/1/12 | 6:44:31 PM | 0.28 | 215 | 477 | 12 |
| 8/1/12 | 6:45:31 PM | 0.28 | 215 | 475 | 12 |
| 8/1/12 | 6:46:31 PM | 0.28 | 213 | 473 | 12 |
| 8/1/12 | 6:47:31 PM | 0.28 | 213 | 472 | 12 |
| 8/1/12 | 6:48:31 PM | 0.29 | 212 | 473 | 12 |
| 8/1/12 | 6:49:31 PM | 0.29 | 211 | 472 | 12 |
| 8/1/12 | 6:50:31 PM | 0.28 | 213 | 474 | 12 |
| 8/1/12 | 6:51:31 PM | 0.28 | 213 | 471 | 12 |
| 8/1/12 | 6:52:31 PM | 0.28 | 213 | 471 | 12 |
| 8/1/12 | 6:53:31 PM | 0.28 | 213 | 470 | 12 |
| 8/1/12 | 6:54:31 PM | 0.28 | 215 | 474 | 12 |
| 8/1/12 | 6:55:31 PM | 0.28 | 215 | 475 | 12 |
| 8/1/12 | 6:56:31 PM | 0.28 | 215 | 475 | 12 |
| 8/1/12 | 6:57:31 PM | 0.28 | 215 | 476 | 12 |
| 8/1/12 | 6:58:31 PM | 0.29 | 215 | 475 | 12 |
| 8/1/12 | 6:59:31 PM | 0.28 | 215 | 477 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 7:00:31 PM | 0.28 | 216 | 478 | 12 |
| 8/1/12 | 7:01:31 PM | 0.28 | 216 | 478 | 12 |
| 8/1/12 | 7:02:31 PM | 0.29 | 216 | 478 | 12 |
| 8/1/12 | 7:03:31 PM | 0.28 | 216 | 479 | 12 |
| 8/1/12 | 7:04:31 PM | 0.28 | 214 | 483 | 12 |
| 8/1/12 | 7:05:31 PM | 0.28 | 213 | 480 | 12 |
| 8/1/12 | 7:06:31 PM | 0.29 | 213 | 479 | 12 |
| 8/1/12 | 7:07:31 PM | 0.28 | 215 | 479 | 12 |
| 8/1/12 | 7:08:31 PM | 0.28 | 216 | 480 | 12 |
| 8/1/12 | 7:09:31 PM | 0.28 | 215 | 482 | 12 |
| 8/1/12 | 7:10:31 PM | 0.28 | 216 | 481 | 12 |
| 8/1/12 | 7:11:31 PM | 0.28 | 215 | 478 | 12 |
| 8/1/12 | 7:12:31 PM | 0.28 | 217 | 479 | 12 |
| 8/1/12 | 7:13:31 PM | 0.28 | 216 | 481 | 12 |
| 8/1/12 | 7:14:31 PM | 0.28 | 216 | 479 | 12 |
| 8/1/12 | 7:15:31 PM | 0.28 | 216 | 480 | 12 |
| 8/1/12 | 7:16:31 PM | 0.28 | 216 | 480 | 12 |
| 8/1/12 | 7:17:31 PM | 0.28 | 215 | 480 | 12 |
| 8/1/12 | 7:18:31 PM | 0.28 | 215 | 478 | 12 |
| 8/1/12 | 7:19:31 PM | 0.28 | 216 | 479 | 12 |
| 8/1/12 | 7:20:31 PM | 0.28 | 217 | 481 | 12 |
| 8/1/12 | 7:21:31 PM | 0.28 | 216 | 482 | 12 |
| 8/1/12 | 7:22:31 PM | 0.29 | 216 | 481 | 12 |
| 8/1/12 | 7:23:31 PM | 0.28 | 216 | 480 | 12 |
| 8/1/12 | 7:24:31 PM | 0.28 | 215 | 479 | 12 |
| 8/1/12 | 7:25:31 PM | 0.28 | 215 | 477 | 12 |
| 8/1/12 | 7:26:31 PM | 0.28 | 214 | 479 | 12 |
| 8/1/12 | 7:27:31 PM | 0.28 | 214 | 477 | 12 |
| 8/1/12 | 7:28:31 PM | 0.28 | 214 | 477 | 12 |
| 8/1/12 | 7:29:31 PM | 0.28 | 214 | 474 | 12 |
| 8/1/12 | 7:30:31 PM | 0.28 | 215 | 474 | 12 |
| 8/1/12 | 7:31:31 PM | 0.28 | 216 | 477 | 12 |
| 8/1/12 | 7:32:31 PM | 0.28 | 216 | 477 | 12 |
| 8/1/12 | 7:33:31 PM | 0.28 | 217 | 479 | 12 |
| 8/1/12 | 7:34:31 PM | 0.28 | 220 | 481 | 12 |
| 8/1/12 | 7:35:31 PM | 0.27 | 220 | 486 | 12 |
| 8/1/12 | 7:36:31 PM | 0.28 | 220 | 487 | 12 |
| 8/1/12 | 7:37:31 PM | 0.28 | 220 | 486 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 7:38:31 PM | 0.28 | 220 | 486 | 12 |
| 8/1/12 | 7:39:31 PM | 0.28 | 220 | 493 | 12 |
| 8/1/12 | 7:40:31 PM | 0.28 | 222 | 496 | 12 |
| 8/1/12 | 7:41:31 PM | 0.27 | 222 | 497 | 12 |
| 8/1/12 | 7:42:31 PM | 0.28 | 223 | 498 | 12 |
| 8/1/12 | 7:43:31 PM | 0.27 | 223 | 497 | 12 |
| 8/1/12 | 7:44:31 PM | 0.27 | 222 | 497 | 12 |
| 8/1/12 | 7:45:31 PM | 0.27 | 223 | 496 | 12 |
| 8/1/12 | 7:46:31 PM | 0.28 | 223 | 498 | 12 |
| 8/1/12 | 7:47:31 PM | 0.28 | 223 | 498 | 12 |
| 8/1/12 | 7:48:31 PM | 0.28 | 221 | 495 | 12 |
| 8/1/12 | 7:49:31 PM | 0.28 | 221 | 490 | 12 |
| 8/1/12 | 7:50:31 PM | 0.28 | 221 | 489 | 12 |
| 8/1/12 | 7:51:31 PM | 0.28 | 220 | 490 | 12 |
| 8/1/12 | 7:52:31 PM | 0.28 | 222 | 489 | 12 |
| 8/1/12 | 7:53:31 PM | 0.28 | 222 | 492 | 12 |
| 8/1/12 | 7:54:31 PM | 0.28 | 222 | 492 | 12 |
| 8/1/12 | 7:55:31 PM | 0.28 | 222 | 491 | 12 |
| 8/1/12 | 7:56:31 PM | 0.28 | 222 | 496 | 12 |
| 8/1/12 | 7:57:31 PM | 0.28 | 223 | 496 | 12 |
| 8/1/12 | 7:58:31 PM | 0.28 | 223 | 493 | 12 |
| 8/1/12 | 7:59:31 PM | 0.27 | 223 | 492 | 12 |
| 8/1/12 | 8:00:31 PM | 0.28 | 223 | 489 | 12 |
| 8/1/12 | 8:01:31 PM | 0.28 | 222 | 488 | 12 |
| 8/1/12 | 8:02:31 PM | 0.28 | 222 | 486 | 12 |
| 8/1/12 | 8:03:31 PM | 0.28 | 222 | 486 | 12 |
| 8/1/12 | 8:04:31 PM | 0.28 | 222 | 486 | 12 |
| 8/1/12 | 8:05:31 PM | 0.28 | 222 | 484 | 12 |
| 8/1/12 | 8:06:31 PM | 0.28 | 221 | 483 | 12 |
| 8/1/12 | 8:07:31 PM | 0.28 | 220 | 481 | 12 |
| 8/1/12 | 8:08:31 PM | 0.28 | 222 | 481 | 12 |
| 8/1/12 | 8:09:31 PM | 0.28 | 221 | 483 | 12 |
| 8/1/12 | 8:10:31 PM | 0.28 | 221 | 482 | 12 |
| 8/1/12 | 8:11:31 PM | 0.28 | 220 | 482 | 12 |
| 8/1/12 | 8:12:31 PM | 0.28 | 219 | 481 | 12 |
| 8/1/12 | 8:13:31 PM | 0.28 | 219 | 480 | 12 |
| 8/1/12 | 8:14:31 PM | 0.28 | 220 | 480 | 12 |
| 8/1/12 | 8:15:31 PM | 0.28 | 220 | 480 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 8:16:31 PM | 0.28 | 221 | 480 | 12 |
| 8/1/12 | 8:17:31 PM | 0.28 | 220 | 482 | 12 |
| 8/1/12 | 8:18:31 PM | 0.28 | 221 | 481 | 12 |
| 8/1/12 | 8:19:31 PM | 0.28 | 220 | 481 | 12 |
| 8/1/12 | 8:20:31 PM | 0.28 | 220 | 481 | 12 |
| 8/1/12 | 8:21:31 PM | 0.28 | 220 | 481 | 12 |
| 8/1/12 | 8:22:31 PM | 0.28 | 221 | 482 | 12 |
| 8/1/12 | 8:23:31 PM | 0.27 | 222 | 484 | 12 |
| 8/1/12 | 8:24:31 PM | 0.28 | 223 | 487 | 12 |
| 8/1/12 | 8:25:31 PM | 0.27 | 223 | 489 | 12 |
| 8/1/12 | 8:26:31 PM | 0.27 | 223 | 496 | 12 |
| 8/1/12 | 8:27:31 PM | 0.28 | 223 | 494 | 12 |
| 8/1/12 | 8:28:31 PM | 0.27 | 223 | 493 | 12 |
| 8/1/12 | 8:29:31 PM | 0.27 | 223 | 495 | 12 |
| 8/1/12 | 8:30:31 PM | 0.28 | 223 | 493 | 12 |
| 8/1/12 | 8:31:31 PM | 0.28 | 223 | 494 | 12 |
| 8/1/12 | 8:32:31 PM | 0.28 | 224 | 496 | 12 |
| 8/1/12 | 8:33:31 PM | 0.27 | 226 | 497 | 12 |
| 8/1/12 | 8:34:31 PM | 0.28 | 226 | 497 | 12 |
| 8/1/12 | 8:35:31 PM | 0.28 | 225 | 498 | 12 |
| 8/1/12 | 8:36:31 PM | 0.27 | 226 | 500 | 12 |
| 8/1/12 | 8:37:31 PM | 0.27 | 227 | 500 | 12 |
| 8/1/12 | 8:38:31 PM | 0.27 | 227 | 499 | 12 |
| 8/1/12 | 8:39:31 PM | 0.28 | 228 | 497 | 12 |
| 8/1/12 | 8:40:31 PM | 0.27 | 228 | 498 | 12 |
| 8/1/12 | 8:41:31 PM | 0.28 | 227 | 497 | 12 |
| 8/1/12 | 8:42:31 PM | 0.27 | 226 | 495 | 12 |
| 8/1/12 | 8:43:31 PM | 0.27 | 226 | 493 | 12 |
| 8/1/12 | 8:44:31 PM | 0.27 | 226 | 492 | 12 |
| 8/1/12 | 8:45:31 PM | 0.27 | 225 | 492 | 12 |
| 8/1/12 | 8:46:31 PM | 0.28 | 225 | 492 | 12 |
| 8/1/12 | 8:47:31 PM | 0.27 | 226 | 492 | 12 |
| 8/1/12 | 8:48:31 PM | 0.27 | 227 | 492 | 12 |
| 8/1/12 | 8:49:31 PM | 0.27 | 228 | 493 | 12 |
| 8/1/12 | 8:50:31 PM | 0.27 | 228 | 493 | 12 |
| 8/1/12 | 8:51:31 PM | 0.27 | 227 | 493 | 12 |
| 8/1/12 | 8:52:31 PM | 0.28 | 227 | 492 | 12 |
| 8/1/12 | 8:53:31 PM | 0.27 | 228 | 492 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 8:54:31 PM | 0.27 | 228 | 493 | 12 |
| 8/1/12 | 8:55:31 PM | 0.27 | 227 | 491 | 12 |
| 8/1/12 | 8:56:31 PM | 0.27 | 228 | 491 | 12 |
| 8/1/12 | 8:57:31 PM | 0.27 | 228 | 494 | 12 |
| 8/1/12 | 8:58:31 PM | 0.27 | 229 | 494 | 12 |
| 8/1/12 | 8:59:31 PM | 0.27 | 229 | 496 | 12 |
| 8/1/12 | 9:00:31 PM | 0.27 | 229 | 496 | 12 |
| 8/1/12 | 9:01:31 PM | 0.27 | 228 | 497 | 12 |
| 8/1/12 | 9:02:31 PM | 0.27 | 227 | 494 | 12 |
| 8/1/12 | 9:03:31 PM | 0.27 | 227 | 493 | 12 |
| 8/1/12 | 9:04:31 PM | 0.27 | 226 | 493 | 12 |
| 8/1/12 | 9:05:31 PM | 0.28 | 226 | 492 | 12 |
| 8/1/12 | 9:06:31 PM | 0.28 | 226 | 490 | 12 |
| 8/1/12 | 9:07:31 PM | 0.27 | 226 | 492 | 12 |
| 8/1/12 | 9:08:31 PM | 0.28 | 227 | 493 | 12 |
| 8/1/12 | 9:09:31 PM | 0.27 | 227 | 491 | 12 |
| 8/1/12 | 9:10:31 PM | 0.27 | 227 | 492 | 12 |
| 8/1/12 | 9:11:31 PM | 0.27 | 228 | 491 | 12 |
| 8/1/12 | 9:12:31 PM | 0.27 | 228 | 493 | 12 |
| 8/1/12 | 9:13:31 PM | 0.27 | 228 | 492 | 12 |
| 8/1/12 | 9:14:31 PM | 0.28 | 227 | 491 | 12 |
| 8/1/12 | 9:15:31 PM | 0.27 | 227 | 491 | 12 |
| 8/1/12 | 9:16:31 PM | 0.27 | 227 | 492 | 12 |
| 8/1/12 | 9:17:31 PM | 0.27 | 227 | 492 | 12 |
| 8/1/12 | 9:18:31 PM | 0.27 | 227 | 492 | 12 |
| 8/1/12 | 9:19:31 PM | 0.27 | 227 | 493 | 12 |
| 8/1/12 | 9:20:31 PM | 0.28 | 227 | 492 | 12 |
| 8/1/12 | 9:21:31 PM | 0.27 | 226 | 491 | 12 |
| 8/1/12 | 9:22:31 PM | 0.27 | 226 | 489 | 12 |
| 8/1/12 | 9:23:31 PM | 0.28 | 226 | 495 | 12 |
| 8/1/12 | 9:24:31 PM | 0.28 | 226 | 495 | 12 |
| 8/1/12 | 9:25:31 PM | 0.28 | 227 | 496 | 12 |
| 8/1/12 | 9:26:31 PM | 0.27 | 227 | 496 | 12 |
| 8/1/12 | 9:27:31 PM | 0.27 | 226 | 495 | 12 |
| 8/1/12 | 9:28:31 PM | 0.28 | 227 | 494 | 12 |
| 8/1/12 | 9:29:31 PM | 0.28 | 227 | 495 | 12 |
| 8/1/12 | 9:30:31 PM | 0.27 | 228 | 493 | 12 |
| 8/1/12 | 9:31:31 PM | 0.27 | 228 | 493 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 9:32:31 PM | 0.27 | 228 | 495 | 11 |
| 8/1/12 | 9:33:31 PM | 0.28 | 228 | 494 | 12 |
| 8/1/12 | 9:34:31 PM | 0.27 | 228 | 499 | 12 |
| 8/1/12 | 9:35:31 PM | 0.27 | 228 | 499 | 12 |
| 8/1/12 | 9:36:31 PM | 0.27 | 229 | 499 | 12 |
| 8/1/12 | 9:37:31 PM | 0.27 | 229 | 501 | 12 |
| 8/1/12 | 9:38:31 PM | 0.27 | 229 | 503 | 12 |
| 8/1/12 | 9:39:31 PM | 0.27 | 229 | 503 | 12 |
| 8/1/12 | 9:40:31 PM | 0.27 | 230 | 502 | 12 |
| 8/1/12 | 9:41:31 PM | 0.27 | 230 | 501 | 12 |
| 8/1/12 | 9:42:31 PM | 0.27 | 229 | 499 | 12 |
| 8/1/12 | 9:43:31 PM | 0.27 | 229 | 496 | 11 |
| 8/1/12 | 9:44:31 PM | 0.27 | 229 | 495 | 11 |
| 8/1/12 | 9:45:31 PM | 0.27 | 229 | 493 | 11 |
| 8/1/12 | 9:46:31 PM | 0.27 | 229 | 493 | 11 |
| 8/1/12 | 9:47:31 PM | 0.27 | 229 | 492 | 11 |
| 8/1/12 | 9:48:31 PM | 0.27 | 229 | 493 | 12 |
| 8/1/12 | 9:49:31 PM | 0.27 | 228 | 493 | 12 |
| 8/1/12 | 9:50:31 PM | 0.27 | 228 | 491 | 12 |
| 8/1/12 | 9:51:31 PM | 0.27 | 228 | 492 | 12 |
| 8/1/12 | 9:52:31 PM | 0.27 | 228 | 491 | 12 |
| 8/1/12 | 9:53:31 PM | 0.28 | 228 | 491 | 12 |
| 8/1/12 | 9:54:31 PM | 0.27 | 228 | 491 | 12 |
| 8/1/12 | 9:55:31 PM | 0.27 | 227 | 489 | 11 |
| 8/1/12 | 9:56:31 PM | 0.27 | 227 | 487 | 11 |
| 8/1/12 | 9:57:31 PM | 0.28 | 227 | 487 | 11 |
| 8/1/12 | 9:58:31 PM | 0.27 | 227 | 488 | 11 |
| 8/1/12 | 9:59:31 PM | 0.27 | 228 | 490 | 11 |
| 8/1/12 | 10:00:31 PM | 0.28 | 228 | 491 | 12 |
| 8/1/12 | 10:01:31 PM | 0.27 | 227 | 489 | 12 |
| 8/1/12 | 10:02:31 PM | 0.28 | 227 | 491 | 12 |
| 8/1/12 | 10:03:31 PM | 0.27 | 227 | 496 | 12 |
| 8/1/12 | 10:04:31 PM | 0.28 | 227 | 495 | 12 |
| 8/1/12 | 10:05:31 PM | 0.27 | 227 | 495 | 12 |
| 8/1/12 | 10:06:31 PM | 0.28 | 228 | 494 | 12 |
| 8/1/12 | 10:07:31 PM | 0.27 | 227 | 496 | 11 |
| 8/1/12 | 10:08:31 PM | 0.27 | 227 | 493 | 11 |
| 8/1/12 | 10:09:31 PM | 0.27 | 226 | 493 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 10:10:31 PM | 0.28 | 227 | 492 | 11 |
| 8/1/12 | 10:11:31 PM | 0.27 | 227 | 492 | 11 |
| 8/1/12 | 10:12:31 PM | 0.28 | 228 | 492 | 11 |
| 8/1/12 | 10:13:31 PM | 0.27 | 229 | 493 | 11 |
| 8/1/12 | 10:14:31 PM | 0.27 | 229 | 495 | 11 |
| 8/1/12 | 10:15:31 PM | 0.27 | 229 | 494 | 11 |
| 8/1/12 | 10:16:31 PM | 0.27 | 227 | 493 | 11 |
| 8/1/12 | 10:17:31 PM | 0.27 | 226 | 493 | 11 |
| 8/1/12 | 10:18:31 PM | 0.28 | 226 | 492 | 12 |
| 8/1/12 | 10:19:31 PM | 0.27 | 227 | 492 | 12 |
| 8/1/12 | 10:20:31 PM | 0.27 | 227 | 492 | 12 |
| 8/1/12 | 10:21:31 PM | 0.27 | 227 | 492 | 12 |
| 8/1/12 | 10:22:31 PM | 0.27 | 228 | 491 | 11 |
| 8/1/12 | 10:23:31 PM | 0.28 | 227 | 491 | 11 |
| 8/1/12 | 10:24:31 PM | 0.27 | 226 | 491 | 11 |
| 8/1/12 | 10:25:31 PM | 0.28 | 226 | 490 | 11 |
| 8/1/12 | 10:26:31 PM | 0.27 | 226 | 490 | 11 |
| 8/1/12 | 10:27:31 PM | 0.27 | 226 | 491 | 12 |
| 8/1/12 | 10:28:31 PM | 0.28 | 227 | 492 | 12 |
| 8/1/12 | 10:29:31 PM | 0.28 | 227 | 492 | 12 |
| 8/1/12 | 10:30:31 PM | 0.28 | 227 | 493 | 12 |
| 8/1/12 | 10:31:31 PM | 0.27 | 227 | 494 | 12 |
| 8/1/12 | 10:32:31 PM | 0.27 | 227 | 493 | 12 |
| 8/1/12 | 10:33:31 PM | 0.27 | 228 | 493 | 12 |
| 8/1/12 | 10:34:31 PM | 0.27 | 228 | 493 | 12 |
| 8/1/12 | 10:35:31 PM | 0.28 | 228 | 494 | 12 |
| 8/1/12 | 10:36:31 PM | 0.27 | 228 | 494 | 12 |
| 8/1/12 | 10:37:31 PM | 0.28 | 228 | 493 | 12 |
| 8/1/12 | 10:38:31 PM | 0.27 | 229 | 493 | 12 |
| 8/1/12 | 10:39:31 PM | 0.28 | 228 | 492 | 12 |
| 8/1/12 | 10:40:31 PM | 0.27 | 228 | 490 | 12 |
| 8/1/12 | 10:41:31 PM | 0.28 | 227 | 492 | 12 |
| 8/1/12 | 10:42:31 PM | 0.27 | 227 | 492 | 12 |
| 8/1/12 | 10:43:31 PM | 0.28 | 228 | 490 | 11 |
| 8/1/12 | 10:44:31 PM | 0.27 | 228 | 491 | 11 |
| 8/1/12 | 10:45:31 PM | 0.27 | 228 | 491 | 11 |
| 8/1/12 | 10:46:31 PM | 0.27 | 228 | 492 | 11 |
| 8/1/12 | 10:47:31 PM | 0.27 | 228 | 492 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 10:48:31 PM | 0.27 | 229 | 492 | 11 |
| 8/1/12 | 10:49:31 PM | 0.27 | 229 | 493 | 11 |
| 8/1/12 | 10:50:31 PM | 0.27 | 229 | 494 | 11 |
| 8/1/12 | 10:51:31 PM | 0.27 | 228 | 493 | 11 |
| 8/1/12 | 10:52:31 PM | 0.27 | 228 | 493 | 12 |
| 8/1/12 | 10:53:31 PM | 0.27 | 228 | 493 | 12 |
| 8/1/12 | 10:54:31 PM | 0.27 | 229 | 493 | 12 |
| 8/1/12 | 10:55:31 PM | 0.28 | 230 | 501 | 12 |
| 8/1/12 | 10:56:31 PM | 0.27 | 230 | 503 | 12 |
| 8/1/12 | 10:57:31 PM | 0.27 | 229 | 502 | 12 |
| 8/1/12 | 10:58:31 PM | 0.28 | 228 | 501 | 12 |
| 8/1/12 | 10:59:31 PM | 0.27 | 228 | 499 | 12 |
| 8/1/12 | 11:00:31 PM | 0.27 | 227 | 498 | 12 |
| 8/1/12 | 11:01:31 PM | 0.27 | 227 | 495 | 12 |
| 8/1/12 | 11:02:31 PM | 0.27 | 227 | 493 | 12 |
| 8/1/12 | 11:03:31 PM | 0.27 | 227 | 492 | 12 |
| 8/1/12 | 11:04:31 PM | 0.27 | 228 | 493 | 12 |
| 8/1/12 | 11:05:31 PM | 0.28 | 229 | 493 | 12 |
| 8/1/12 | 11:06:31 PM | 0.27 | 229 | 494 | 12 |
| 8/1/12 | 11:07:31 PM | 0.27 | 230 | 494 | 12 |
| 8/1/12 | 11:08:31 PM | 0.28 | 230 | 496 | 12 |
| 8/1/12 | 11:09:31 PM | 0.27 | 230 | 497 | 12 |
| 8/1/12 | 11:10:31 PM | 0.27 | 229 | 496 | 12 |
| 8/1/12 | 11:11:31 PM | 0.27 | 229 | 494 | 12 |
| 8/1/12 | 11:12:31 PM | 0.27 | 229 | 493 | 12 |
| 8/1/12 | 11:13:31 PM | 0.27 | 228 | 492 | 12 |
| 8/1/12 | 11:14:31 PM | 0.27 | 228 | 491 | 12 |
| 8/1/12 | 11:15:31 PM | 0.27 | 227 | 490 | 12 |
| 8/1/12 | 11:16:31 PM | 0.27 | 227 | 490 | 12 |
| 8/1/12 | 11:17:31 PM | 0.27 | 228 | 491 | 12 |
| 8/1/12 | 11:18:31 PM | 0.27 | 228 | 491 | 12 |
| 8/1/12 | 11:19:31 PM | 0.27 | 229 | 493 | 12 |
| 8/1/12 | 11:20:31 PM | 0.27 | 229 | 500 | 12 |
| 8/1/12 | 11:21:31 PM | 0.27 | 230 | 500 | 12 |
| 8/1/12 | 11:22:31 PM | 0.27 | 230 | 500 | 12 |
| 8/1/12 | 11:23:31 PM | 0.27 | 231 | 498 | 12 |
| 8/1/12 | 11:24:31 PM | 0.27 | 230 | 499 | 12 |
| 8/1/12 | 11:25:31 PM | 0.27 | 230 | 497 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **01-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **01-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/1/12 | 11:26:31 PM | 0.27 | 230 | 498 | 12 |
| 8/1/12 | 11:27:31 PM | 0.27 | 230 | 498 | 12 |
| 8/1/12 | 11:28:31 PM | 0.27 | 230 | 497 | 11 |
| 8/1/12 | 11:29:31 PM | 0.27 | 230 | 496 | 11 |
| 8/1/12 | 11:30:31 PM | 0.27 | 230 | 497 | 12 |
| 8/1/12 | 11:31:31 PM | 0.27 | 229 | 496 | 12 |
| 8/1/12 | 11:32:31 PM | 0.27 | 229 | 499 | 12 |
| 8/1/12 | 11:33:31 PM | 0.27 | 229 | 499 | 12 |
| 8/1/12 | 11:34:31 PM | 0.27 | 229 | 497 | 12 |
| 8/1/12 | 11:35:31 PM | 0.27 | 229 | 496 | 12 |
| 8/1/12 | 11:36:31 PM | 0.27 | 229 | 494 | 12 |
| 8/1/12 | 11:37:31 PM | 0.27 | 229 | 494 | 12 |
| 8/1/12 | 11:38:31 PM | 0.27 | 230 | 496 | 12 |
| 8/1/12 | 11:39:31 PM | 0.28 | 230 | 496 | 12 |
| 8/1/12 | 11:40:31 PM | 0.27 | 229 | 495 | 12 |
| 8/1/12 | 11:41:31 PM | 0.27 | 230 | 494 | 12 |
| 8/1/12 | 11:42:31 PM | 0.27 | 230 | 494 | 12 |
| 8/1/12 | 11:43:31 PM | 0.28 | 230 | 493 | 11 |
| 8/1/12 | 11:44:31 PM | 0.27 | 230 | 494 | 11 |
| 8/1/12 | 11:45:31 PM | 0.27 | 231 | 494 | 11 |
| 8/1/12 | 11:46:31 PM | 0.27 | 231 | 494 | 11 |
| 8/1/12 | 11:47:31 PM | 0.27 | 231 | 495 | 11 |
| 8/1/12 | 11:48:31 PM | 0.27 | 231 | 497 | 12 |
| 8/1/12 | 11:49:31 PM | 0.27 | 230 | 496 | 12 |
| 8/1/12 | 11:50:31 PM | 0.27 | 229 | 494 | 12 |
| 8/1/12 | 11:51:31 PM | 0.27 | 228 | 493 | 12 |
| 8/1/12 | 11:52:31 PM | 0.28 | 229 | 492 | 12 |
| 8/1/12 | 11:53:31 PM | 0.27 | 229 | 492 | 12 |
| 8/1/12 | 11:54:31 PM | 0.27 | 230 | 492 | 12 |
| 8/1/12 | 11:55:31 PM | 0.27 | 229 | 493 | 11 |
| 8/1/12 | 11:56:31 PM | 0.28 | 229 | 492 | 11 |
| 8/1/12 | 11:57:31 PM | 0.27 | 229 | 492 | 12 |
| 8/1/12 | 11:58:31 PM | 0.27 | 230 | 492 | 12 |
| 8/1/12 | 11:59:31 PM | 0.27 | 230 | 491 | 12 |
| Averages | | 0.28 | 220 | 482 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 12:00:31 AM | 0.27 | 230 | 492 | 12 |
| 8/2/12 | 12:01:31 AM | 0.27 | 229 | 493 | 12 |
| 8/2/12 | 12:02:31 AM | 0.27 | 230 | 498 | 12 |
| 8/2/12 | 12:03:31 AM | 0.27 | 230 | 499 | 12 |
| 8/2/12 | 12:04:31 AM | 0.28 | 229 | 499 | 12 |
| 8/2/12 | 12:05:31 AM | 0.27 | 229 | 499 | 12 |
| 8/2/12 | 12:06:31 AM | 0.28 | 229 | 499 | 12 |
| 8/2/12 | 12:07:31 AM | 0.27 | 229 | 501 | 12 |
| 8/2/12 | 12:08:31 AM | 0.27 | 229 | 499 | 12 |
| 8/2/12 | 12:09:31 AM | 0.27 | 229 | 499 | 12 |
| 8/2/12 | 12:10:31 AM | 0.27 | 229 | 498 | 12 |
| 8/2/12 | 12:11:31 AM | 0.27 | 229 | 497 | 12 |
| 8/2/12 | 12:12:31 AM | 0.27 | 229 | 493 | 12 |
| 8/2/12 | 12:13:31 AM | 0.27 | 229 | 493 | 12 |
| 8/2/12 | 12:14:31 AM | 0.27 | 229 | 492 | 12 |
| 8/2/12 | 12:15:31 AM | 0.27 | 230 | 492 | 12 |
| 8/2/12 | 12:16:31 AM | 0.27 | 230 | 492 | 12 |
| 8/2/12 | 12:17:31 AM | 0.27 | 230 | 494 | 12 |
| 8/2/12 | 12:18:31 AM | 0.27 | 231 | 494 | 12 |
| 8/2/12 | 12:19:31 AM | 0.27 | 231 | 494 | 12 |
| 8/2/12 | 12:20:31 AM | 0.27 | 230 | 495 | 12 |
| 8/2/12 | 12:21:31 AM | 0.27 | 231 | 494 | 12 |
| 8/2/12 | 12:22:31 AM | 0.27 | 231 | 494 | 11 |
| 8/2/12 | 12:23:31 AM | 0.27 | 231 | 493 | 11 |
| 8/2/12 | 12:24:31 AM | 0.27 | 230 | 492 | 11 |
| 8/2/12 | 12:25:31 AM | 0.27 | 230 | 491 | 11 |
| 8/2/12 | 12:26:31 AM | 0.27 | 229 | 493 | 11 |
| 8/2/12 | 12:27:31 AM | 0.27 | 229 | 493 | 11 |
| 8/2/12 | 12:28:31 AM | 0.28 | 229 | 492 | 11 |
| 8/2/12 | 12:29:31 AM | 0.27 | 229 | 491 | 11 |
| 8/2/12 | 12:30:31 AM | 0.27 | 228 | 491 | 11 |
| 8/2/12 | 12:31:31 AM | 0.27 | 229 | 489 | 11 |
| 8/2/12 | 12:32:31 AM | 0.27 | 229 | 488 | 11 |
| 8/2/12 | 12:33:31 AM | 0.27 | 229 | 495 | 12 |
| 8/2/12 | 12:34:31 AM | 0.27 | 229 | 494 | 12 |
| 8/2/12 | 12:35:31 AM | 0.28 | 229 | 496 | 12 |
| 8/2/12 | 12:36:31 AM | 0.27 | 229 | 495 | 12 |
| 8/2/12 | 12:37:31 AM | 0.27 | 229 | 494 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 12:38:31 AM | 0.27 | 229 | 493 | 12 |
| 8/2/12 | 12:39:31 AM | 0.27 | 231 | 495 | 12 |
| 8/2/12 | 12:40:31 AM | 0.28 | 230 | 503 | 12 |
| 8/2/12 | 12:41:31 AM | 0.27 | 231 | 499 | 12 |
| 8/2/12 | 12:42:31 AM | 0.27 | 231 | 499 | 12 |
| 8/2/12 | 12:43:31 AM | 0.27 | 231 | 499 | 11 |
| 8/2/12 | 12:44:31 AM | 0.27 | 232 | 500 | 11 |
| 8/2/12 | 12:45:31 AM | 0.27 | 232 | 498 | 11 |
| 8/2/12 | 12:46:31 AM | 0.27 | 232 | 500 | 11 |
| 8/2/12 | 12:47:31 AM | 0.27 | 232 | 505 | 11 |
| 8/2/12 | 12:48:31 AM | 0.27 | 231 | 502 | 11 |
| 8/2/12 | 12:49:31 AM | 0.28 | 230 | 498 | 11 |
| 8/2/12 | 12:50:31 AM | 0.27 | 229 | 496 | 11 |
| 8/2/12 | 12:51:31 AM | 0.28 | 230 | 494 | 11 |
| 8/2/12 | 12:52:31 AM | 0.27 | 230 | 493 | 11 |
| 8/2/12 | 12:53:31 AM | 0.27 | 231 | 494 | 11 |
| 8/2/12 | 12:54:31 AM | 0.27 | 231 | 495 | 11 |
| 8/2/12 | 12:55:31 AM | 0.27 | 231 | 494 | 11 |
| 8/2/12 | 12:56:31 AM | 0.27 | 230 | 494 | 11 |
| 8/2/12 | 12:57:31 AM | 0.28 | 230 | 492 | 11 |
| 8/2/12 | 12:58:31 AM | 0.27 | 229 | 491 | 11 |
| 8/2/12 | 12:59:31 AM | 0.27 | 229 | 492 | 11 |
| 8/2/12 | 1:00:31 AM | 0.27 | 229 | 492 | 11 |
| 8/2/12 | 1:01:31 AM | 0.27 | 229 | 491 | 11 |
| 8/2/12 | 1:02:31 AM | 0.27 | 230 | 492 | 11 |
| 8/2/12 | 1:03:31 AM | 0.27 | 231 | 492 | 11 |
| 8/2/12 | 1:04:31 AM | 0.27 | 231 | 493 | 11 |
| 8/2/12 | 1:05:31 AM | 0.27 | 232 | 492 | 11 |
| 8/2/12 | 1:06:31 AM | 0.28 | 231 | 492 | 11 |
| 8/2/12 | 1:07:31 AM | 0.27 | 232 | 493 | 11 |
| 8/2/12 | 1:08:31 AM | 0.27 | 232 | 494 | 11 |
| 8/2/12 | 1:09:31 AM | 0.27 | 232 | 494 | 11 |
| 8/2/12 | 1:10:31 AM | 0.27 | 232 | 494 | 11 |
| 8/2/12 | 1:11:31 AM | 0.28 | 232 | 495 | 11 |
| 8/2/12 | 1:12:31 AM | 0.27 | 231 | 495 | 11 |
| 8/2/12 | 1:13:31 AM | 0.27 | 231 | 494 | 11 |
| 8/2/12 | 1:14:31 AM | 0.27 | 230 | 493 | 11 |
| 8/2/12 | 1:15:31 AM | 0.28 | 228 | 495 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 1:16:31 AM | 0.27 | 227 | 492 | 11 |
| 8/2/12 | 1:17:31 AM | 0.28 | 226 | 489 | 11 |
| 8/2/12 | 1:18:31 AM | 0.28 | 225 | 487 | 11 |
| 8/2/12 | 1:19:31 AM | 0.27 | 225 | 485 | 11 |
| 8/2/12 | 1:20:31 AM | 0.28 | 225 | 485 | 11 |
| 8/2/12 | 1:21:31 AM | 0.28 | 224 | 484 | 11 |
| 8/2/12 | 1:22:31 AM | 0.27 | 224 | 484 | 11 |
| 8/2/12 | 1:23:31 AM | 0.27 | 224 | 483 | 11 |
| 8/2/12 | 1:24:31 AM | 0.28 | 224 | 481 | 11 |
| 8/2/12 | 1:25:31 AM | 0.27 | 224 | 480 | 11 |
| 8/2/12 | 1:26:31 AM | 0.28 | 223 | 479 | 11 |
| 8/2/12 | 1:27:31 AM | 0.28 | 223 | 480 | 11 |
| 8/2/12 | 1:28:31 AM | 0.27 | 224 | 481 | 11 |
| 8/2/12 | 1:29:31 AM | 0.28 | 225 | 482 | 11 |
| 8/2/12 | 1:30:31 AM | 0.28 | 225 | 483 | 11 |
| 8/2/12 | 1:31:31 AM | 0.27 | 225 | 484 | 11 |
| 8/2/12 | 1:32:31 AM | 0.27 | 225 | 485 | 11 |
| 8/2/12 | 1:33:31 AM | 0.27 | 226 | 486 | 11 |
| 8/2/12 | 1:34:31 AM | 0.28 | 226 | 487 | 11 |
| 8/2/12 | 1:35:31 AM | 0.27 | 225 | 485 | 11 |
| 8/2/12 | 1:36:31 AM | 0.27 | 225 | 485 | 11 |
| 8/2/12 | 1:37:31 AM | 0.27 | 224 | 484 | 11 |
| 8/2/12 | 1:38:31 AM | 0.28 | 224 | 485 | 11 |
| 8/2/12 | 1:39:31 AM | 0.27 | 224 | 485 | 11 |
| 8/2/12 | 1:40:31 AM | 0.27 | 224 | 490 | 11 |
| 8/2/12 | 1:41:31 AM | 0.28 | 224 | 489 | 11 |
| 8/2/12 | 1:42:31 AM | 0.28 | 223 | 487 | 11 |
| 8/2/12 | 1:43:31 AM | 0.28 | 223 | 486 | 11 |
| 8/2/12 | 1:44:31 AM | 0.27 | 222 | 482 | 11 |
| 8/2/12 | 1:45:31 AM | 0.28 | 222 | 483 | 11 |
| 8/2/12 | 1:46:31 AM | 0.28 | 221 | 482 | 11 |
| 8/2/12 | 1:47:31 AM | 0.27 | 221 | 481 | 11 |
| 8/2/12 | 1:48:31 AM | 0.27 | 222 | 482 | 11 |
| 8/2/12 | 1:49:31 AM | 0.28 | 221 | 480 | 11 |
| 8/2/12 | 1:50:31 AM | 0.27 | 221 | 480 | 11 |
| 8/2/12 | 1:51:31 AM | 0.27 | 222 | 482 | 11 |
| 8/2/12 | 1:52:31 AM | 0.27 | 223 | 481 | 11 |
| 8/2/12 | 1:53:31 AM | 0.27 | 223 | 482 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 1:54:31 AM | 0.28 | 224 | 481 | 11 |
| 8/2/12 | 1:55:31 AM | 0.28 | 224 | 482 | 11 |
| 8/2/12 | 1:56:31 AM | 0.28 | 223 | 482 | 11 |
| 8/2/12 | 1:57:31 AM | 0.27 | 223 | 480 | 11 |
| 8/2/12 | 1:58:31 AM | 0.28 | 223 | 480 | 11 |
| 8/2/12 | 1:59:31 AM | 0.27 | 223 | 482 | 11 |
| 8/2/12 | 2:00:31 AM | 0.28 | 222 | 483 | 11 |
| 8/2/12 | 2:01:31 AM | 0.28 | 221 | 482 | 11 |
| 8/2/12 | 2:02:31 AM | 0.27 | 221 | 481 | 11 |
| 8/2/12 | 2:03:31 AM | 0.28 | 222 | 483 | 11 |
| 8/2/12 | 2:04:31 AM | 0.28 | 222 | 483 | 11 |
| 8/2/12 | 2:05:31 AM | 0.27 | 223 | 485 | 11 |
| 8/2/12 | 2:06:31 AM | 0.27 | 223 | 483 | 11 |
| 8/2/12 | 2:07:31 AM | 0.28 | 223 | 481 | 11 |
| 8/2/12 | 2:08:31 AM | 0.27 | 223 | 481 | 11 |
| 8/2/12 | 2:09:31 AM | 0.27 | 224 | 481 | 11 |
| 8/2/12 | 2:10:31 AM | 0.28 | 223 | 480 | 11 |
| 8/2/12 | 2:11:31 AM | 0.27 | 223 | 481 | 11 |
| 8/2/12 | 2:12:31 AM | 0.28 | 224 | 481 | 11 |
| 8/2/12 | 2:13:31 AM | 0.27 | 224 | 482 | 11 |
| 8/2/12 | 2:14:31 AM | 0.27 | 225 | 484 | 11 |
| 8/2/12 | 2:15:31 AM | 0.27 | 225 | 483 | 11 |
| 8/2/12 | 2:16:31 AM | 0.27 | 225 | 483 | 11 |
| 8/2/12 | 2:17:31 AM | 0.28 | 225 | 484 | 11 |
| 8/2/12 | 2:18:31 AM | 0.28 | 224 | 485 | 11 |
| 8/2/12 | 2:19:31 AM | 0.27 | 224 | 483 | 11 |
| 8/2/12 | 2:20:31 AM | 0.27 | 224 | 483 | 11 |
| 8/2/12 | 2:21:31 AM | 0.28 | 223 | 482 | 11 |
| 8/2/12 | 2:22:31 AM | 0.28 | 223 | 482 | 11 |
| 8/2/12 | 2:23:31 AM | 0.28 | 224 | 481 | 11 |
| 8/2/12 | 2:24:31 AM | 0.28 | 224 | 482 | 11 |
| 8/2/12 | 2:25:31 AM | 0.27 | 224 | 482 | 11 |
| 8/2/12 | 2:26:31 AM | 0.27 | 224 | 483 | 11 |
| 8/2/12 | 2:27:31 AM | 0.27 | 225 | 483 | 11 |
| 8/2/12 | 2:28:31 AM | 0.28 | 225 | 483 | 11 |
| 8/2/12 | 2:29:31 AM | 0.27 | 225 | 483 | 11 |
| 8/2/12 | 2:30:31 AM | 0.28 | 225 | 484 | 11 |
| 8/2/12 | 2:31:31 AM | 0.28 | 225 | 484 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 2:32:31 AM | 0.27 | 226 | 487 | 11 |
| 8/2/12 | 2:33:31 AM | 0.27 | 226 | 488 | 11 |
| 8/2/12 | 2:34:31 AM | 0.27 | 226 | 490 | 11 |
| 8/2/12 | 2:35:31 AM | 0.28 | 226 | 487 | 11 |
| 8/2/12 | 2:36:31 AM | 0.27 | 226 | 486 | 11 |
| 8/2/12 | 2:37:31 AM | 0.27 | 226 | 485 | 11 |
| 8/2/12 | 2:38:31 AM | 0.27 | 227 | 486 | 11 |
| 8/2/12 | 2:39:31 AM | 0.27 | 227 | 486 | 11 |
| 8/2/12 | 2:40:31 AM | 0.27 | 227 | 488 | 11 |
| 8/2/12 | 2:41:31 AM | 0.27 | 226 | 487 | 11 |
| 8/2/12 | 2:42:31 AM | 0.27 | 226 | 488 | 11 |
| 8/2/12 | 2:43:31 AM | 0.27 | 226 | 487 | 11 |
| 8/2/12 | 2:44:31 AM | 0.27 | 226 | 488 | 11 |
| 8/2/12 | 2:45:31 AM | 0.28 | 226 | 489 | 11 |
| 8/2/12 | 2:46:31 AM | 0.28 | 226 | 489 | 11 |
| 8/2/12 | 2:47:31 AM | 0.28 | 226 | 486 | 11 |
| 8/2/12 | 2:48:31 AM | 0.27 | 226 | 487 | 11 |
| 8/2/12 | 2:49:31 AM | 0.27 | 226 | 487 | 11 |
| 8/2/12 | 2:50:31 AM | 0.27 | 226 | 487 | 11 |
| 8/2/12 | 2:51:31 AM | 0.28 | 227 | 486 | 11 |
| 8/2/12 | 2:52:31 AM | 0.27 | 227 | 486 | 11 |
| 8/2/12 | 2:53:31 AM | 0.27 | 226 | 485 | 11 |
| 8/2/12 | 2:54:31 AM | 0.28 | 226 | 484 | 11 |
| 8/2/12 | 2:55:31 AM | 0.28 | 225 | 483 | 11 |
| 8/2/12 | 2:56:31 AM | 0.27 | 225 | 484 | 11 |
| 8/2/12 | 2:57:31 AM | 0.27 | 226 | 486 | 11 |
| 8/2/12 | 2:58:31 AM | 0.27 | 227 | 489 | 11 |
| 8/2/12 | 2:59:31 AM | 0.27 | 226 | 489 | 11 |
| 8/2/12 | 3:00:31 AM | 0.27 | 226 | 488 | 11 |
| 8/2/12 | 3:01:31 AM | 0.27 | 226 | 485 | 11 |
| 8/2/12 | 3:02:31 AM | 0.28 | 227 | 485 | 11 |
| 8/2/12 | 3:03:31 AM | 0.27 | 226 | 487 | 11 |
| 8/2/12 | 3:04:31 AM | 0.28 | 225 | 485 | 11 |
| 8/2/12 | 3:05:31 AM | 0.27 | 226 | 486 | 11 |
| 8/2/12 | 3:06:31 AM | 0.27 | 225 | 486 | 11 |
| 8/2/12 | 3:07:31 AM | 0.27 | 225 | 485 | 11 |
| 8/2/12 | 3:08:31 AM | 0.27 | 225 | 484 | 11 |
| 8/2/12 | 3:09:31 AM | 0.28 | 225 | 482 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 3:10:31 AM | 0.28 | 225 | 481 | 11 |
| 8/2/12 | 3:11:31 AM | 0.27 | 225 | 482 | 11 |
| 8/2/12 | 3:12:31 AM | 0.28 | 225 | 482 | 11 |
| 8/2/12 | 3:13:31 AM | 0.27 | 225 | 483 | 11 |
| 8/2/12 | 3:14:31 AM | 0.27 | 225 | 481 | 11 |
| 8/2/12 | 3:15:31 AM | 0.27 | 225 | 481 | 11 |
| 8/2/12 | 3:16:31 AM | 0.27 | 225 | 482 | 11 |
| 8/2/12 | 3:17:31 AM | 0.27 | 225 | 483 | 11 |
| 8/2/12 | 3:18:31 AM | 0.27 | 225 | 483 | 11 |
| 8/2/12 | 3:19:31 AM | 0.27 | 225 | 482 | 11 |
| 8/2/12 | 3:20:31 AM | 0.27 | 224 | 482 | 11 |
| 8/2/12 | 3:21:31 AM | 0.27 | 223 | 482 | 11 |
| 8/2/12 | 3:22:31 AM | 0.27 | 224 | 482 | 11 |
| 8/2/12 | 3:23:31 AM | 0.27 | 224 | 481 | 11 |
| 8/2/12 | 3:24:31 AM | 0.27 | 225 | 482 | 11 |
| 8/2/12 | 3:25:31 AM | 0.28 | 226 | 483 | 11 |
| 8/2/12 | 3:26:31 AM | 0.27 | 226 | 485 | 11 |
| 8/2/12 | 3:27:31 AM | 0.28 | 226 | 484 | 11 |
| 8/2/12 | 3:28:31 AM | 0.27 | 226 | 484 | 11 |
| 8/2/12 | 3:29:31 AM | 0.28 | 226 | 485 | 11 |
| 8/2/12 | 3:30:31 AM | 0.27 | 226 | 485 | 11 |
| 8/2/12 | 3:31:31 AM | 0.27 | 226 | 486 | 11 |
| 8/2/12 | 3:32:31 AM | 0.27 | 226 | 487 | 11 |
| 8/2/12 | 3:33:31 AM | 0.27 | 226 | 486 | 11 |
| 8/2/12 | 3:34:31 AM | 0.27 | 226 | 487 | 11 |
| 8/2/12 | 3:35:31 AM | 0.27 | 227 | 485 | 11 |
| 8/2/12 | 3:36:31 AM | 0.28 | 227 | 486 | 11 |
| 8/2/12 | 3:37:31 AM | 0.27 | 227 | 485 | 11 |
| 8/2/12 | 3:38:31 AM | 0.27 | 225 | 485 | 11 |
| 8/2/12 | 3:39:31 AM | 0.27 | 225 | 483 | 11 |
| 8/2/12 | 3:40:31 AM | 0.27 | 225 | 483 | 11 |
| 8/2/12 | 3:41:31 AM | 0.27 | 226 | 490 | 11 |
| 8/2/12 | 3:42:31 AM | 0.27 | 226 | 489 | 11 |
| 8/2/12 | 3:43:31 AM | 0.28 | 226 | 488 | 11 |
| 8/2/12 | 3:44:31 AM | 0.27 | 225 | 487 | 11 |
| 8/2/12 | 3:45:31 AM | 0.27 | 224 | 484 | 11 |
| 8/2/12 | 3:46:31 AM | 0.27 | 225 | 482 | 11 |
| 8/2/12 | 3:47:31 AM | 0.27 | 225 | 483 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 3:48:31 AM | 0.27 | 225 | 484 | 11 |
| 8/2/12 | 3:49:31 AM | 0.27 | 225 | 487 | 11 |
| 8/2/12 | 3:50:31 AM | 0.27 | 225 | 486 | 11 |
| 8/2/12 | 3:51:31 AM | 0.27 | 226 | 486 | 11 |
| 8/2/12 | 3:52:31 AM | 0.27 | 226 | 485 | 11 |
| 8/2/12 | 3:53:31 AM | 0.27 | 226 | 485 | 11 |
| 8/2/12 | 3:54:31 AM | 0.27 | 226 | 483 | 11 |
| 8/2/12 | 3:55:31 AM | 0.27 | 227 | 483 | 11 |
| 8/2/12 | 3:56:31 AM | 0.27 | 227 | 485 | 11 |
| 8/2/12 | 3:57:31 AM | 0.27 | 226 | 486 | 11 |
| 8/2/12 | 3:58:31 AM | 0.27 | 226 | 485 | 11 |
| 8/2/12 | 3:59:31 AM | 0.27 | 226 | 485 | 11 |
| 8/2/12 | 4:00:31 AM | 0.28 | 227 | 484 | 11 |
| 8/2/12 | 4:01:31 AM | 0.27 | 227 | 484 | 11 |
| 8/2/12 | 4:02:31 AM | 0.27 | 227 | 483 | 11 |
| 8/2/12 | 4:03:31 AM | 0.27 | 228 | 484 | 11 |
| 8/2/12 | 4:04:31 AM | 0.27 | 228 | 484 | 11 |
| 8/2/12 | 4:05:31 AM | 0.27 | 227 | 484 | 11 |
| 8/2/12 | 4:06:31 AM | 0.27 | 227 | 483 | 11 |
| 8/2/12 | 4:07:31 AM | 0.27 | 227 | 482 | 11 |
| 8/2/12 | 4:08:31 AM | 0.27 | 227 | 482 | 11 |
| 8/2/12 | 4:09:31 AM | 0.27 | 227 | 482 | 11 |
| 8/2/12 | 4:10:31 AM | 0.27 | 227 | 483 | 11 |
| 8/2/12 | 4:11:31 AM | 0.28 | 228 | 482 | 11 |
| 8/2/12 | 4:12:31 AM | 0.27 | 228 | 484 | 11 |
| 8/2/12 | 4:13:31 AM | 0.27 | 228 | 484 | 11 |
| 8/2/12 | 4:14:31 AM | 0.28 | 228 | 485 | 11 |
| 8/2/12 | 4:15:31 AM | 0.27 | 228 | 484 | 11 |
| 8/2/12 | 4:16:31 AM | 0.27 | 228 | 483 | 11 |
| 8/2/12 | 4:17:31 AM | 0.27 | 228 | 482 | 11 |
| 8/2/12 | 4:18:31 AM | 0.27 | 228 | 481 | 11 |
| 8/2/12 | 4:19:31 AM | 0.27 | 228 | 482 | 11 |
| 8/2/12 | 4:20:31 AM | 0.27 | 227 | 482 | 11 |
| 8/2/12 | 4:21:31 AM | 0.27 | 227 | 482 | 11 |
| 8/2/12 | 4:22:31 AM | 0.27 | 227 | 481 | 11 |
| 8/2/12 | 4:23:31 AM | 0.27 | 227 | 481 | 11 |
| 8/2/12 | 4:24:31 AM | 0.27 | 227 | 480 | 11 |
| 8/2/12 | 4:25:31 AM | 0.28 | 227 | 485 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 4:26:31 AM | 0.27 | 227 | 484 | 11 |
| 8/2/12 | 4:27:31 AM | 0.27 | 228 | 486 | 11 |
| 8/2/12 | 4:28:31 AM | 0.27 | 228 | 486 | 11 |
| 8/2/12 | 4:29:31 AM | 0.27 | 228 | 484 | 11 |
| 8/2/12 | 4:30:31 AM | 0.28 | 228 | 483 | 11 |
| 8/2/12 | 4:31:31 AM | 0.28 | 228 | 484 | 11 |
| 8/2/12 | 4:32:31 AM | 0.27 | 228 | 483 | 11 |
| 8/2/12 | 4:33:31 AM | 0.27 | 227 | 483 | 11 |
| 8/2/12 | 4:34:31 AM | 0.27 | 227 | 481 | 11 |
| 8/2/12 | 4:35:31 AM | 0.27 | 227 | 486 | 11 |
| 8/2/12 | 4:36:31 AM | 0.28 | 226 | 487 | 11 |
| 8/2/12 | 4:37:31 AM | 0.27 | 226 | 484 | 11 |
| 8/2/12 | 4:38:31 AM | 0.27 | 226 | 488 | 11 |
| 8/2/12 | 4:39:31 AM | 0.27 | 224 | 499 | 11 |
| 8/2/12 | 4:40:31 AM | 0.27 | 224 | 495 | 11 |
| 8/2/12 | 4:41:31 AM | 0.27 | 223 | 493 | 11 |
| 8/2/12 | 4:42:31 AM | 0.27 | 223 | 492 | 11 |
| 8/2/12 | 4:43:31 AM | 0.27 | 223 | 492 | 11 |
| 8/2/12 | 4:44:31 AM | 0.27 | 222 | 491 | 11 |
| 8/2/12 | 4:45:31 AM | 0.27 | 222 | 491 | 11 |
| 8/2/12 | 4:46:31 AM | 0.27 | 222 | 489 | 11 |
| 8/2/12 | 4:47:31 AM | 0.27 | 222 | 488 | 11 |
| 8/2/12 | 4:48:31 AM | 0.27 | 223 | 491 | 11 |
| 8/2/12 | 4:49:31 AM | 0.27 | 224 | 490 | 11 |
| 8/2/12 | 4:50:31 AM | 0.27 | 225 | 490 | 11 |
| 8/2/12 | 4:51:31 AM | 0.27 | 225 | 491 | 11 |
| 8/2/12 | 4:52:31 AM | 0.28 | 226 | 491 | 11 |
| 8/2/12 | 4:53:31 AM | 0.27 | 225 | 491 | 11 |
| 8/2/12 | 4:54:31 AM | 0.28 | 225 | 492 | 11 |
| 8/2/12 | 4:55:31 AM | 0.28 | 226 | 494 | 11 |
| 8/2/12 | 4:56:31 AM | 0.28 | 226 | 497 | 11 |
| 8/2/12 | 4:57:31 AM | 0.27 | 227 | 497 | 11 |
| 8/2/12 | 4:58:31 AM | 0.27 | 227 | 498 | 11 |
| 8/2/12 | 4:59:31 AM | 0.27 | 228 | 497 | 11 |
| 8/2/12 | 5:00:31 AM | 0.27 | 229 | 497 | 11 |
| 8/2/12 | 5:01:31 AM | 0.27 | 229 | 498 | 11 |
| 8/2/12 | 5:02:31 AM | 0.27 | 231 | 499 | 11 |
| 8/2/12 | 5:03:31 AM | 0.27 | 231 | 500 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 5:04:31 AM | 0.27 | 231 | 499 | 11 |
| 8/2/12 | 5:05:31 AM | 0.28 | 230 | 498 | 11 |
| 8/2/12 | 5:06:31 AM | 0.28 | 229 | 495 | 11 |
| 8/2/12 | 5:07:31 AM | 0.27 | 228 | 495 | 11 |
| 8/2/12 | 5:08:31 AM | 0.27 | 228 | 493 | 11 |
| 8/2/12 | 5:09:31 AM | 0.27 | 228 | 493 | 11 |
| 8/2/12 | 5:10:31 AM | 0.27 | 230 | 493 | 11 |
| 8/2/12 | 5:11:31 AM | 0.27 | 229 | 495 | 11 |
| 8/2/12 | 5:12:31 AM | 0.27 | 230 | 493 | 11 |
| 8/2/12 | 5:13:31 AM | 0.27 | 230 | 492 | 11 |
| 8/2/12 | 5:14:31 AM | 0.27 | 229 | 493 | 11 |
| 8/2/12 | 5:15:31 AM | 0.28 | 229 | 495 | 11 |
| 8/2/12 | 5:16:31 AM | 0.28 | 229 | 499 | 11 |
| 8/2/12 | 5:17:31 AM | 0.27 | 229 | 496 | 11 |
| 8/2/12 | 5:18:31 AM | 0.27 | 230 | 494 | 11 |
| 8/2/12 | 5:19:31 AM | 0.27 | 230 | 494 | 11 |
| 8/2/12 | 5:20:31 AM | 0.27 | 230 | 496 | 11 |
| 8/2/12 | 5:21:31 AM | 0.27 | 231 | 496 | 11 |
| 8/2/12 | 5:22:31 AM | 0.27 | 232 | 497 | 11 |
| 8/2/12 | 5:23:31 AM | 0.27 | 232 | 498 | 11 |
| 8/2/12 | 5:24:31 AM | 0.27 | 233 | 500 | 11 |
| 8/2/12 | 5:25:31 AM | 0.27 | 233 | 500 | 11 |
| 8/2/12 | 5:26:31 AM | 0.27 | 234 | 500 | 11 |
| 8/2/12 | 5:27:31 AM | 0.26 | 234 | 500 | 11 |
| 8/2/12 | 5:28:31 AM | 0.27 | 234 | 501 | 11 |
| 8/2/12 | 5:29:31 AM | 0.27 | 234 | 501 | 11 |
| 8/2/12 | 5:30:31 AM | 0.27 | 234 | 502 | 11 |
| 8/2/12 | 5:31:31 AM | 0.27 | 234 | 501 | 11 |
| 8/2/12 | 5:32:31 AM | 0.27 | 233 | 499 | 11 |
| 8/2/12 | 5:33:31 AM | 0.27 | 233 | 499 | 11 |
| 8/2/12 | 5:34:31 AM | 0.27 | 233 | 499 | 11 |
| 8/2/12 | 5:35:31 AM | 0.27 | 235 | 499 | 11 |
| 8/2/12 | 5:36:31 AM | 0.27 | 234 | 500 | 11 |
| 8/2/12 | 5:37:31 AM | 0.27 | 234 | 500 | 11 |
| 8/2/12 | 5:38:31 AM | 0.26 | 235 | 501 | 11 |
| 8/2/12 | 5:39:31 AM | 0.27 | 235 | 503 | 11 |
| 8/2/12 | 5:40:31 AM | 0.27 | 235 | 502 | 11 |
| 8/2/12 | 5:41:31 AM | 0.27 | 235 | 502 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 5:42:31 AM | 0.27 | 235 | 504 | 11 |
| 8/2/12 | 5:43:31 AM | 0.27 | 235 | 504 | 11 |
| 8/2/12 | 5:44:31 AM | 0.27 | 235 | 508 | 11 |
| 8/2/12 | 5:45:31 AM | 0.27 | 235 | 509 | 11 |
| 8/2/12 | 5:46:31 AM | 0.27 | 236 | 509 | 11 |
| 8/2/12 | 5:47:31 AM | 0.27 | 235 | 510 | 11 |
| 8/2/12 | 5:48:31 AM | 0.27 | 235 | 507 | 11 |
| 8/2/12 | 5:49:31 AM | 0.27 | 233 | 505 | 11 |
| 8/2/12 | 5:50:31 AM | 0.27 | 234 | 504 | 11 |
| 8/2/12 | 5:51:31 AM | 0.27 | 234 | 503 | 11 |
| 8/2/12 | 5:52:31 AM | 0.28 | 234 | 504 | 11 |
| 8/2/12 | 5:53:31 AM | 0.28 | 234 | 503 | 11 |
| 8/2/12 | 5:54:31 AM | 0.27 | 234 | 503 | 11 |
| 8/2/12 | 5:55:31 AM | 0.27 | 234 | 504 | 11 |
| 8/2/12 | 5:56:31 AM | 0.27 | 235 | 503 | 11 |
| 8/2/12 | 5:57:31 AM | 0.27 | 235 | 502 | 11 |
| 8/2/12 | 5:58:31 AM | 0.27 | 235 | 503 | 11 |
| 8/2/12 | 5:59:31 AM | 0.27 | 235 | 502 | 11 |
| 8/2/12 | 6:00:31 AM | 0.28 | 234 | 502 | 11 |
| 8/2/12 | 6:01:31 AM | 0.27 | 234 | 504 | 11 |
| 8/2/12 | 6:02:31 AM | 0.28 | 234 | 501 | 11 |
| 8/2/12 | 6:03:31 AM | 0.27 | 234 | 499 | 11 |
| 8/2/12 | 6:04:31 AM | 0.28 | 234 | 500 | 11 |
| 8/2/12 | 6:05:31 AM | 0.27 | 234 | 499 | 11 |
| 8/2/12 | 6:06:31 AM | 0.27 | 234 | 498 | 11 |
| 8/2/12 | 6:07:31 AM | 0.27 | 235 | 498 | 11 |
| 8/2/12 | 6:08:31 AM | 0.27 | 234 | 497 | 11 |
| 8/2/12 | 6:09:31 AM | 0.28 | 234 | 497 | 11 |
| 8/2/12 | 6:10:31 AM | 0.27 | 233 | 498 | 11 |
| 8/2/12 | 6:11:31 AM | 0.27 | 233 | 497 | 11 |
| 8/2/12 | 6:12:31 AM | 0.27 | 233 | 495 | 11 |
| 8/2/12 | 6:13:31 AM | 0.27 | 233 | 495 | 11 |
| 8/2/12 | 6:14:31 AM | 0.27 | 233 | 495 | 11 |
| 8/2/12 | 6:15:31 AM | 0.27 | 233 | 495 | 11 |
| 8/2/12 | 6:16:31 AM | 0.27 | 232 | 494 | 11 |
| 8/2/12 | 6:17:31 AM | 0.27 | 232 | 493 | 11 |
| 8/2/12 | 6:18:31 AM | 0.27 | 233 | 493 | 11 |
| 8/2/12 | 6:19:31 AM | 0.27 | 233 | 493 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 6:20:31 AM | 0.28 | 233 | 493 | 11 |
| 8/2/12 | 6:21:31 AM | 0.28 | 233 | 493 | 11 |
| 8/2/12 | 6:22:31 AM | 0.28 | 232 | 492 | 11 |
| 8/2/12 | 6:23:31 AM | 0.28 | 232 | 492 | 11 |
| 8/2/12 | 6:24:31 AM | 0.27 | 232 | 492 | 11 |
| 8/2/12 | 6:25:31 AM | 0.27 | 232 | 492 | 11 |
| 8/2/12 | 6:26:31 AM | 0.28 | 233 | 496 | 11 |
| 8/2/12 | 6:27:31 AM | 0.28 | 233 | 494 | 11 |
| 8/2/12 | 6:28:31 AM | 0.28 | 233 | 492 | 11 |
| 8/2/12 | 6:29:31 AM | 0.28 | 233 | 492 | 11 |
| 8/2/12 | 6:30:31 AM | 0.27 | 232 | 491 | 11 |
| 8/2/12 | 6:31:31 AM | 0.28 | 233 | 491 | 11 |
| 8/2/12 | 6:32:31 AM | 0.28 | 233 | 491 | 11 |
| 8/2/12 | 6:33:31 AM | 0.27 | 233 | 491 | 11 |
| 8/2/12 | 6:34:31 AM | 0.27 | 233 | 494 | 11 |
| 8/2/12 | 6:35:31 AM | 0.28 | 232 | 495 | 11 |
| 8/2/12 | 6:36:31 AM | 0.28 | 233 | 496 | 11 |
| 8/2/12 | 6:37:31 AM | 0.28 | 233 | 496 | 11 |
| 8/2/12 | 6:38:31 AM | 0.27 | 233 | 497 | 11 |
| 8/2/12 | 6:39:31 AM | 0.27 | 234 | 497 | 11 |
| 8/2/12 | 6:40:31 AM | 0.27 | 235 | 499 | 11 |
| 8/2/12 | 6:41:31 AM | 0.27 | 235 | 501 | 11 |
| 8/2/12 | 6:42:31 AM | 0.27 | 235 | 501 | 11 |
| 8/2/12 | 6:43:31 AM | 0.27 | 235 | 499 | 11 |
| 8/2/12 | 6:44:31 AM | 0.27 | 234 | 498 | 11 |
| 8/2/12 | 6:45:31 AM | 0.27 | 234 | 499 | 11 |
| 8/2/12 | 6:46:31 AM | 0.27 | 234 | 499 | 11 |
| 8/2/12 | 6:47:31 AM | 0.27 | 234 | 498 | 11 |
| 8/2/12 | 6:48:31 AM | 0.27 | 234 | 499 | 11 |
| 8/2/12 | 6:49:31 AM | 0.26 | 234 | 497 | 11 |
| 8/2/12 | 6:50:31 AM | 0.27 | 234 | 497 | 11 |
| 8/2/12 | 6:51:31 AM | 0.27 | 234 | 498 | 11 |
| 8/2/12 | 6:52:31 AM | 0.27 | 234 | 498 | 11 |
| 8/2/12 | 6:53:31 AM | 0.27 | 234 | 497 | 11 |
| 8/2/12 | 6:54:31 AM | 0.27 | 234 | 497 | 11 |
| 8/2/12 | 6:55:31 AM | 0.27 | 234 | 501 | 11 |
| 8/2/12 | 6:56:31 AM | 0.27 | 234 | 500 | 11 |
| 8/2/12 | 6:57:31 AM | 0.27 | 234 | 498 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 6:58:31 AM | 0.27 | 234 | 496 | 11 |
| 8/2/12 | 6:59:31 AM | 0.27 | 234 | 494 | 11 |
| 8/2/12 | 7:00:31 AM | 0.27 | 235 | 494 | 11 |
| 8/2/12 | 7:01:31 AM | 0.27 | 234 | 492 | 11 |
| 8/2/12 | 7:02:31 AM | 0.27 | 234 | 492 | 11 |
| 8/2/12 | 7:03:31 AM | 0.27 | 235 | 493 | 10 |
| 8/2/12 | 7:04:31 AM | 0.27 | 235 | 493 | 10 |
| 8/2/12 | 7:05:31 AM | 0.27 | 234 | 493 | 10 |
| 8/2/12 | 7:06:31 AM | 0.27 | 234 | 494 | 10 |
| 8/2/12 | 7:07:31 AM | 0.27 | 234 | 493 | 11 |
| 8/2/12 | 7:08:31 AM | 0.27 | 234 | 493 | 11 |
| 8/2/12 | 7:09:31 AM | 0.27 | 234 | 493 | 11 |
| 8/2/12 | 7:10:31 AM | 0.27 | 233 | 492 | 11 |
| 8/2/12 | 7:11:31 AM | 0.27 | 233 | 492 | 11 |
| 8/2/12 | 7:12:31 AM | 0.27 | 233 | 492 | 11 |
| 8/2/12 | 7:13:31 AM | 0.27 | 234 | 494 | 11 |
| 8/2/12 | 7:14:31 AM | 0.27 | 233 | 496 | 11 |
| 8/2/12 | 7:15:31 AM | 0.27 | 233 | 498 | 11 |
| 8/2/12 | 7:16:31 AM | 0.27 | 233 | 497 | 11 |
| 8/2/12 | 7:17:31 AM | 0.28 | 233 | 496 | 11 |
| 8/2/12 | 7:18:31 AM | 0.27 | 233 | 494 | 11 |
| 8/2/12 | 7:19:31 AM | 0.27 | 233 | 495 | 11 |
| 8/2/12 | 7:20:31 AM | 0.27 | 233 | 494 | 11 |
| 8/2/12 | 7:21:31 AM | 0.28 | 233 | 495 | 11 |
| 8/2/12 | 7:22:31 AM | 0.27 | 233 | 494 | 10 |
| 8/2/12 | 7:23:31 AM | 0.27 | 233 | 493 | 10 |
| 8/2/12 | 7:24:31 AM | 0.27 | 233 | 493 | 11 |
| 8/2/12 | 7:25:31 AM | 0.27 | 234 | 494 | 11 |
| 8/2/12 | 7:26:31 AM | 0.27 | 234 | 494 | 11 |
| 8/2/12 | 7:27:31 AM | 0.28 | 234 | 497 | 11 |
| 8/2/12 | 7:28:31 AM | 0.27 | 233 | 497 | 11 |
| 8/2/12 | 7:29:31 AM | 0.27 | 233 | 498 | 11 |
| 8/2/12 | 7:30:31 AM | 0.27 | 233 | 498 | 11 |
| 8/2/12 | 7:31:31 AM | 0.27 | 233 | 497 | 10 |
| 8/2/12 | 7:32:31 AM | 0.27 | 232 | 496 | 10 |
| 8/2/12 | 7:33:31 AM | 0.27 | 233 | 499 | 10 |
| 8/2/12 | 7:34:31 AM | 0.27 | 233 | 501 | 10 |
| 8/2/12 | 7:35:31 AM | 0.27 | 233 | 498 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 7:36:31 AM | 0.27 | 233 | 498 | 10 |
| 8/2/12 | 7:37:31 AM | 0.28 | 233 | 499 | 10 |
| 8/2/12 | 7:38:31 AM | 0.28 | 233 | 501 | 10 |
| 8/2/12 | 7:39:31 AM | 0.27 | 233 | 501 | 10 |
| 8/2/12 | 7:40:31 AM | 0.27 | 234 | 501 | 10 |
| 8/2/12 | 7:41:31 AM | 0.27 | 234 | 502 | 10 |
| 8/2/12 | 7:42:31 AM | 0.27 | 234 | 502 | 10 |
| 8/2/12 | 7:43:31 AM | 0.27 | 234 | 502 | 10 |
| 8/2/12 | 7:44:31 AM | 0.27 | 235 | 503 | 10 |
| 8/2/12 | 7:45:31 AM | 0.27 | 235 | 505 | 10 |
| 8/2/12 | 7:46:31 AM | 0.27 | 234 | 504 | 10 |
| 8/2/12 | 7:47:31 AM | 0.28 | 234 | 504 | 10 |
| 8/2/12 | 7:48:31 AM | 0.27 | 234 | 505 | 10 |
| 8/2/12 | 7:49:31 AM | 0.28 | 234 | 506 | 10 |
| 8/2/12 | 7:50:31 AM | 0.27 | 234 | 509 | 10 |
| 8/2/12 | 7:51:31 AM | 0.27 | 234 | 506 | 11 |
| 8/2/12 | 7:52:31 AM | 0.28 | 233 | 506 | 11 |
| 8/2/12 | 7:53:31 AM | 0.28 | 233 | 505 | 11 |
| 8/2/12 | 7:54:31 AM | 0.28 | 232 | 504 | 11 |
| 8/2/12 | 7:55:31 AM | 0.28 | 232 | 502 | 10 |
| 8/2/12 | 7:56:31 AM | 0.28 | 232 | 502 | 10 |
| 8/2/12 | 7:57:31 AM | 0.28 | 233 | 501 | 10 |
| 8/2/12 | 7:58:31 AM | 0.27 | 233 | 501 | 10 |
| 8/2/12 | 7:59:31 AM | 0.28 | 232 | 502 | 10 |
| 8/2/12 | 8:00:31 AM | 0.28 | 231 | 500 | 10 |
| 8/2/12 | 8:01:31 AM | 0.27 | 230 | 499 | 10 |
| 8/2/12 | 8:02:31 AM | 0.28 | 231 | 498 | 10 |
| 8/2/12 | 8:03:31 AM | 0.27 | 231 | 497 | 10 |
| 8/2/12 | 8:04:31 AM | 0.28 | 231 | 497 | 10 |
| 8/2/12 | 8:05:31 AM | 0.28 | 231 | 498 | 10 |
| 8/2/12 | 8:06:31 AM | 0.28 | 232 | 499 | 10 |
| 8/2/12 | 8:07:31 AM | 0.27 | 232 | 498 | 10 |
| 8/2/12 | 8:08:31 AM | 0.28 | 232 | 497 | 10 |
| 8/2/12 | 8:09:31 AM | 0.28 | 232 | 497 | 10 |
| 8/2/12 | 8:10:31 AM | 0.28 | 232 | 497 | 10 |
| 8/2/12 | 8:11:31 AM | 0.28 | 232 | 497 | 10 |
| 8/2/12 | 8:12:31 AM | 0.28 | 232 | 497 | 11 |
| 8/2/12 | 8:13:31 AM | 0.28 | 232 | 498 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 8:14:31 AM | 0.27 | 232 | 497 | 11 |
| 8/2/12 | 8:15:31 AM | 0.28 | 233 | 497 | 10 |
| 8/2/12 | 8:16:31 AM | 0.28 | 233 | 496 | 10 |
| 8/2/12 | 8:17:31 AM | 0.27 | 233 | 497 | 10 |
| 8/2/12 | 8:18:31 AM | 0.27 | 232 | 496 | 10 |
| 8/2/12 | 8:19:31 AM | 0.27 | 233 | 496 | 10 |
| 8/2/12 | 8:20:31 AM | 0.27 | 233 | 496 | 10 |
| 8/2/12 | 8:21:31 AM | 0.28 | 232 | 496 | 10 |
| 8/2/12 | 8:22:31 AM | 0.27 | 232 | 495 | 10 |
| 8/2/12 | 8:23:31 AM | 0.27 | 232 | 495 | 10 |
| 8/2/12 | 8:24:31 AM | 0.27 | 232 | 494 | 10 |
| 8/2/12 | 8:25:31 AM | 0.27 | 233 | 495 | 10 |
| 8/2/12 | 8:26:31 AM | 0.27 | 233 | 495 | 10 |
| 8/2/12 | 8:27:31 AM | 0.27 | 233 | 495 | 10 |
| 8/2/12 | 8:28:31 AM | 0.28 | 233 | 496 | 10 |
| 8/2/12 | 8:29:31 AM | 0.27 | 232 | 495 | 10 |
| 8/2/12 | 8:30:31 AM | 0.27 | 232 | 497 | 10 |
| 8/2/12 | 8:31:31 AM | 0.27 | 233 | 497 | 10 |
| 8/2/12 | 8:32:31 AM | 0.27 | 233 | 497 | 10 |
| 8/2/12 | 8:33:31 AM | 0.27 | 232 | 498 | 10 |
| 8/2/12 | 8:34:31 AM | 0.28 | 232 | 497 | 10 |
| 8/2/12 | 8:35:31 AM | 0.28 | 232 | 496 | 10 |
| 8/2/12 | 8:36:31 AM | 0.28 | 232 | 494 | 10 |
| 8/2/12 | 8:37:31 AM | 0.28 | 233 | 496 | 10 |
| 8/2/12 | 8:38:31 AM | 0.27 | 232 | 495 | 10 |
| 8/2/12 | 8:39:31 AM | 0.28 | 232 | 495 | 10 |
| 8/2/12 | 8:40:31 AM | 0.28 | 232 | 494 | 10 |
| 8/2/12 | 8:41:31 AM | 0.28 | 231 | 491 | 10 |
| 8/2/12 | 8:42:31 AM | 0.28 | 230 | 491 | 10 |
| 8/2/12 | 8:43:31 AM | 0.28 | 230 | 489 | 10 |
| 8/2/12 | 8:44:31 AM | 0.28 | 230 | 489 | 10 |
| 8/2/12 | 8:45:31 AM | 0.28 | 231 | 490 | 10 |
| 8/2/12 | 8:46:31 AM | 0.28 | 232 | 496 | 10 |
| 8/2/12 | 8:47:31 AM | 0.28 | 232 | 496 | 10 |
| 8/2/12 | 8:48:31 AM | 0.28 | 232 | 496 | 10 |
| 8/2/12 | 8:49:31 AM | 0.28 | 232 | 497 | 10 |
| 8/2/12 | 8:50:31 AM | 0.28 | 232 | 499 | 10 |
| 8/2/12 | 8:51:31 AM | 0.28 | 233 | 497 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 8:52:31 AM | 0.28 | 233 | 498 | 10 |
| 8/2/12 | 8:53:31 AM | 0.28 | 233 | 502 | 10 |
| 8/2/12 | 8:54:31 AM | 0.28 | 233 | 503 | 10 |
| 8/2/12 | 8:55:31 AM | 0.28 | 233 | 503 | 10 |
| 8/2/12 | 8:56:31 AM | 0.28 | 233 | 505 | 10 |
| 8/2/12 | 8:57:31 AM | 0.28 | 233 | 506 | 10 |
| 8/2/12 | 8:58:31 AM | 0.28 | 232 | 506 | 10 |
| 8/2/12 | 8:59:31 AM | 0.28 | 231 | 506 | 10 |
| 8/2/12 | 9:00:31 AM | 0.28 | 232 | 507 | 10 |
| 8/2/12 | 9:01:31 AM | 0.28 | 232 | 509 | 10 |
| 8/2/12 | 9:02:31 AM | 0.28 | 231 | 509 | 10 |
| 8/2/12 | 9:03:31 AM | 0.28 | 231 | 508 | 10 |
| 8/2/12 | 9:04:31 AM | 0.28 | 231 | 509 | 10 |
| 8/2/12 | 9:05:31 AM | 0.28 | 231 | 510 | 10 |
| 8/2/12 | 9:06:31 AM | 0.28 | 231 | 511 | 10 |
| 8/2/12 | 9:07:31 AM | 0.28 | 230 | 512 | 10 |
| 8/2/12 | 9:08:31 AM | 0.27 | 230 | 512 | 10 |
| 8/2/12 | 9:09:31 AM | 0.28 | 230 | 513 | 10 |
| 8/2/12 | 9:10:31 AM | 0.28 | 230 | 514 | 10 |
| 8/2/12 | 9:11:31 AM | 0.28 | 230 | 511 | 10 |
| 8/2/12 | 9:12:31 AM | 0.27 | 229 | 513 | 10 |
| 8/2/12 | 9:13:31 AM | 0.28 | 230 | 511 | 10 |
| 8/2/12 | 9:14:31 AM | 0.28 | 230 | 512 | 10 |
| 8/2/12 | 9:15:31 AM | 0.28 | 229 | 513 | 10 |
| 8/2/12 | 9:16:31 AM | 0.28 | 229 | 516 | 10 |
| 8/2/12 | 9:17:31 AM | 0.28 | 230 | 514 | 10 |
| 8/2/12 | 9:18:31 AM | 0.28 | 229 | 519 | 10 |
| 8/2/12 | 9:19:31 AM | 0.28 | 229 | 518 | 10 |
| 8/2/12 | 9:20:31 AM | 0.28 | 229 | 516 | 10 |
| 8/2/12 | 9:21:31 AM | 0.28 | 229 | 514 | 10 |
| 8/2/12 | 9:22:31 AM | 0.28 | 229 | 514 | 10 |
| 8/2/12 | 9:23:31 AM | 0.28 | 229 | 514 | 10 |
| 8/2/12 | 9:24:31 AM | 0.28 | 228 | 516 | 10 |
| 8/2/12 | 9:25:31 AM | 0.28 | 228 | 516 | 10 |
| 8/2/12 | 9:26:31 AM | 0.28 | 228 | 515 | 10 |
| 8/2/12 | 9:27:31 AM | 0.28 | 228 | 516 | 10 |
| 8/2/12 | 9:28:31 AM | 0.28 | 229 | 514 | 10 |
| 8/2/12 | 9:29:31 AM | 0.28 | 229 | 514 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 9:30:31 AM | 0.28 | 228 | 515 | 10 |
| 8/2/12 | 9:31:31 AM | 0.28 | 228 | 514 | 10 |
| 8/2/12 | 9:32:31 AM | 0.28 | 228 | 517 | 10 |
| 8/2/12 | 9:33:31 AM | 0.28 | 227 | 515 | 10 |
| 8/2/12 | 9:34:31 AM | 0.29 | 228 | 514 | 10 |
| 8/2/12 | 9:35:31 AM | 0.29 | 228 | 514 | 10 |
| 8/2/12 | 9:36:31 AM | 0.28 | 227 | 514 | 10 |
| 8/2/12 | 9:37:31 AM | 0.28 | 227 | 514 | 10 |
| 8/2/12 | 9:38:31 AM | 0.28 | 228 | 512 | 10 |
| 8/2/12 | 9:39:31 AM | 0.28 | 228 | 513 | 11 |
| 8/2/12 | 9:40:31 AM | 0.28 | 227 | 518 | 11 |
| 8/2/12 | 9:41:31 AM | 0.28 | 227 | 516 | 11 |
| 8/2/12 | 9:42:31 AM | 0.28 | 227 | 512 | 11 |
| 8/2/12 | 9:43:31 AM | 0.28 | 227 | 511 | 11 |
| 8/2/12 | 9:44:31 AM | 0.28 | 228 | 511 | 11 |
| 8/2/12 | 9:45:31 AM | 0.28 | 227 | 511 | 11 |
| 8/2/12 | 9:46:31 AM | 0.28 | 227 | 511 | 11 |
| 8/2/12 | 9:47:31 AM | 0.28 | 227 | 511 | 11 |
| 8/2/12 | 9:48:31 AM | 0.28 | 227 | 510 | 11 |
| 8/2/12 | 9:49:31 AM | 0.28 | 228 | 510 | 11 |
| 8/2/12 | 9:50:31 AM | 0.28 | 228 | 509 | 11 |
| 8/2/12 | 9:51:31 AM | 0.28 | 228 | 512 | 11 |
| 8/2/12 | 9:52:31 AM | 0.28 | 228 | 511 | 11 |
| 8/2/12 | 9:53:31 AM | 0.28 | 228 | 509 | 11 |
| 8/2/12 | 9:54:31 AM | 0.28 | 229 | 510 | 11 |
| 8/2/12 | 9:55:31 AM | 0.28 | 229 | 511 | 11 |
| 8/2/12 | 9:56:31 AM | 0.28 | 229 | 511 | 11 |
| 8/2/12 | 9:57:31 AM | 0.28 | 230 | 511 | 11 |
| 8/2/12 | 9:58:31 AM | 0.28 | 230 | 511 | 11 |
| 8/2/12 | 9:59:31 AM | 0.28 | 230 | 510 | 11 |
| 8/2/12 | 10:00:31 AM | 0.28 | 230 | 511 | 11 |
| 8/2/12 | 10:01:31 AM | 0.28 | 230 | 509 | 11 |
| 8/2/12 | 10:02:31 AM | 0.28 | 231 | 507 | 11 |
| 8/2/12 | 10:03:31 AM | 0.28 | 232 | 509 | 11 |
| 8/2/12 | 10:04:31 AM | 0.28 | 232 | 510 | 11 |
| 8/2/12 | 10:05:31 AM | 0.28 | 232 | 509 | 11 |
| 8/2/12 | 10:06:31 AM | 0.28 | 233 | 509 | 11 |
| 8/2/12 | 10:07:31 AM | 0.28 | 233 | 512 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 10:08:31 AM | 0.28 | 232 | 512 | 11 |
| 8/2/12 | 10:09:31 AM | 0.28 | 232 | 511 | 11 |
| 8/2/12 | 10:10:31 AM | 0.28 | 232 | 511 | 11 |
| 8/2/12 | 10:11:31 AM | 0.27 | 231 | 510 | 11 |
| 8/2/12 | 10:12:31 AM | 0.28 | 231 | 510 | 11 |
| 8/2/12 | 10:13:31 AM | 0.28 | 230 | 509 | 11 |
| 8/2/12 | 10:14:31 AM | 0.28 | 230 | 510 | 11 |
| 8/2/12 | 10:15:31 AM | 0.27 | 230 | 507 | 11 |
| 8/2/12 | 10:16:31 AM | 0.28 | 230 | 505 | 11 |
| 8/2/12 | 10:17:31 AM | 0.28 | 230 | 504 | 11 |
| 8/2/12 | 10:18:31 AM | 0.28 | 230 | 503 | 11 |
| 8/2/12 | 10:19:31 AM | 0.28 | 230 | 502 | 11 |
| 8/2/12 | 10:20:31 AM | 0.28 | 230 | 502 | 11 |
| 8/2/12 | 10:21:31 AM | 0.28 | 230 | 502 | 11 |
| 8/2/12 | 10:22:31 AM | 0.28 | 230 | 499 | 11 |
| 8/2/12 | 10:23:31 AM | 0.28 | 230 | 499 | 11 |
| 8/2/12 | 10:24:31 AM | 0.28 | 230 | 497 | 11 |
| 8/2/12 | 10:25:31 AM | 0.28 | 230 | 497 | 11 |
| 8/2/12 | 10:26:31 AM | 0.28 | 229 | 497 | 11 |
| 8/2/12 | 10:27:31 AM | 0.28 | 230 | 496 | 11 |
| 8/2/12 | 10:28:31 AM | 0.28 | 230 | 496 | 11 |
| 8/2/12 | 10:29:31 AM | 0.28 | 230 | 498 | 11 |
| 8/2/12 | 10:30:31 AM | 0.28 | 230 | 499 | 11 |
| 8/2/12 | 10:31:31 AM | 0.28 | 230 | 498 | 11 |
| 8/2/12 | 10:32:31 AM | 0.28 | 229 | 497 | 11 |
| 8/2/12 | 10:33:31 AM | 0.28 | 228 | 494 | 11 |
| 8/2/12 | 10:34:31 AM | 0.28 | 228 | 493 | 11 |
| 8/2/12 | 10:35:31 AM | 0.28 | 229 | 493 | 11 |
| 8/2/12 | 10:36:31 AM | 0.28 | 229 | 492 | 11 |
| 8/2/12 | 10:37:31 AM | 0.28 | 229 | 492 | 11 |
| 8/2/12 | 10:38:31 AM | 0.28 | 229 | 493 | 11 |
| 8/2/12 | 10:39:31 AM | 0.28 | 228 | 494 | 11 |
| 8/2/12 | 10:40:31 AM | 0.28 | 229 | 493 | 11 |
| 8/2/12 | 10:41:31 AM | 0.28 | 229 | 493 | 11 |
| 8/2/12 | 10:42:31 AM | 0.28 | 229 | 494 | 11 |
| 8/2/12 | 10:43:31 AM | 0.28 | 229 | 494 | 11 |
| 8/2/12 | 10:44:31 AM | 0.28 | 229 | 494 | 11 |
| 8/2/12 | 10:45:31 AM | 0.28 | 230 | 496 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 10:46:31 AM | 0.28 | 230 | 496 | 11 |
| 8/2/12 | 10:47:31 AM | 0.28 | 230 | 496 | 11 |
| 8/2/12 | 10:48:31 AM | 0.29 | 230 | 498 | 11 |
| 8/2/12 | 10:49:31 AM | 0.29 | 230 | 498 | 11 |
| 8/2/12 | 10:50:31 AM | 0.28 | 230 | 496 | 11 |
| 8/2/12 | 10:51:31 AM | 0.29 | 229 | 495 | 11 |
| 8/2/12 | 10:52:31 AM | 0.29 | 229 | 494 | 11 |
| 8/2/12 | 10:53:31 AM | 0.29 | 229 | 496 | 11 |
| 8/2/12 | 10:54:31 AM | 0.28 | 230 | 496 | 11 |
| 8/2/12 | 10:55:31 AM | 0.28 | 230 | 498 | 11 |
| 8/2/12 | 10:56:31 AM | 0.28 | 230 | 497 | 11 |
| 8/2/12 | 10:57:31 AM | 0.28 | 230 | 498 | 11 |
| 8/2/12 | 10:58:31 AM | 0.28 | 230 | 498 | 11 |
| 8/2/12 | 10:59:31 AM | 0.28 | 231 | 499 | 11 |
| 8/2/12 | 11:00:31 AM | 0.28 | 232 | 501 | 11 |
| 8/2/12 | 11:01:31 AM | 0.28 | 231 | 502 | 11 |
| 8/2/12 | 11:02:31 AM | 0.28 | 231 | 501 | 11 |
| 8/2/12 | 11:03:31 AM | 0.29 | 231 | 502 | 11 |
| 8/2/12 | 11:04:31 AM | 0.28 | 231 | 502 | 11 |
| 8/2/12 | 11:05:31 AM | 0.28 | 232 | 503 | 11 |
| 8/2/12 | 11:06:31 AM | 0.28 | 232 | 506 | 11 |
| 8/2/12 | 11:07:31 AM | 0.28 | 232 | 507 | 11 |
| 8/2/12 | 11:08:31 AM | 0.28 | 232 | 506 | 11 |
| 8/2/12 | 11:09:31 AM | 0.28 | 233 | 506 | 11 |
| 8/2/12 | 11:10:31 AM | 0.28 | 233 | 506 | 11 |
| 8/2/12 | 11:11:31 AM | 0.28 | 233 | 508 | 11 |
| 8/2/12 | 11:12:31 AM | 0.28 | 234 | 509 | 11 |
| 8/2/12 | 11:13:31 AM | 0.28 | 234 | 510 | 11 |
| 8/2/12 | 11:14:31 AM | 0.28 | 235 | 511 | 11 |
| 8/2/12 | 11:15:31 AM | 0.28 | 235 | 512 | 11 |
| 8/2/12 | 11:16:31 AM | 0.28 | 234 | 511 | 11 |
| 8/2/12 | 11:17:31 AM | 0.28 | 232 | 512 | 11 |
| 8/2/12 | 11:18:31 AM | 0.28 | 231 | 511 | 11 |
| 8/2/12 | 11:19:31 AM | 0.28 | 231 | 512 | 11 |
| 8/2/12 | 11:20:31 AM | 0.28 | 231 | 511 | 11 |
| 8/2/12 | 11:21:31 AM | 0.28 | 230 | 511 | 11 |
| 8/2/12 | 11:22:31 AM | 0.28 | 230 | 510 | 11 |
| 8/2/12 | 11:23:31 AM | 0.28 | 231 | 513 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 11:24:31 AM | 0.28 | 230 | 509 | 11 |
| 8/2/12 | 11:25:31 AM | 0.28 | 229 | 506 | 11 |
| 8/2/12 | 11:26:31 AM | 0.28 | 229 | 506 | 11 |
| 8/2/12 | 11:27:31 AM | 0.28 | 229 | 506 | 11 |
| 8/2/12 | 11:28:31 AM | 0.28 | 229 | 504 | 11 |
| 8/2/12 | 11:29:31 AM | 0.28 | 229 | 505 | 11 |
| 8/2/12 | 11:30:31 AM | 0.28 | 229 | 505 | 11 |
| 8/2/12 | 11:31:31 AM | 0.28 | 229 | 505 | 11 |
| 8/2/12 | 11:32:31 AM | 0.28 | 228 | 504 | 11 |
| 8/2/12 | 11:33:31 AM | 0.28 | 228 | 503 | 11 |
| 8/2/12 | 11:34:31 AM | 0.28 | 227 | 502 | 11 |
| 8/2/12 | 11:35:31 AM | 0.27 | 227 | 501 | 11 |
| 8/2/12 | 11:36:31 AM | 0.28 | 227 | 503 | 11 |
| 8/2/12 | 11:37:31 AM | 0.28 | 227 | 501 | 11 |
| 8/2/12 | 11:38:31 AM | 0.27 | 227 | 503 | 11 |
| 8/2/12 | 11:39:31 AM | 0.28 | 228 | 504 | 11 |
| 8/2/12 | 11:40:31 AM | 0.28 | 229 | 505 | 11 |
| 8/2/12 | 11:41:31 AM | 0.27 | 229 | 506 | 11 |
| 8/2/12 | 11:42:31 AM | 0.28 | 230 | 508 | 11 |
| 8/2/12 | 11:43:31 AM | 0.28 | 231 | 511 | 11 |
| 8/2/12 | 11:44:31 AM | 0.27 | 231 | 515 | 11 |
| 8/2/12 | 11:45:31 AM | 0.27 | 232 | 515 | 11 |
| 8/2/12 | 11:46:31 AM | 0.27 | 233 | 511 | 11 |
| 8/2/12 | 11:47:31 AM | 0.27 | 233 | 511 | 11 |
| 8/2/12 | 11:48:31 AM | 0.28 | 233 | 513 | 11 |
| 8/2/12 | 11:49:31 AM | 0.28 | 233 | 513 | 11 |
| 8/2/12 | 11:50:31 AM | 0.28 | 233 | 515 | 11 |
| 8/2/12 | 11:51:31 AM | 0.28 | 233 | 516 | 11 |
| 8/2/12 | 11:52:31 AM | 0.28 | 233 | 515 | 11 |
| 8/2/12 | 11:53:31 AM | 0.28 | 233 | 516 | 11 |
| 8/2/12 | 11:54:31 AM | 0.28 | 233 | 515 | 11 |
| 8/2/12 | 11:55:31 AM | 0.28 | 232 | 516 | 11 |
| 8/2/12 | 11:56:31 AM | 0.28 | 232 | 515 | 11 |
| 8/2/12 | 11:57:31 AM | 0.28 | 233 | 517 | 11 |
| 8/2/12 | 11:58:31 AM | 0.28 | 233 | 514 | 11 |
| 8/2/12 | 11:59:31 AM | 0.28 | 233 | 515 | 11 |
| 8/2/12 | 12:00:31 PM | 0.28 | 233 | 515 | 11 |
| 8/2/12 | 12:01:31 PM | 0.28 | 233 | 516 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 12:02:31 PM | 0.29 | 233 | 515 | 11 |
| 8/2/12 | 12:03:31 PM | 0.28 | 232 | 513 | 11 |
| 8/2/12 | 12:04:31 PM | 0.28 | 232 | 512 | 11 |
| 8/2/12 | 12:05:31 PM | 0.28 | 232 | 512 | 11 |
| 8/2/12 | 12:06:31 PM | 0.28 | 233 | 512 | 11 |
| 8/2/12 | 12:07:31 PM | 0.28 | 233 | 512 | 11 |
| 8/2/12 | 12:08:31 PM | 0.28 | 232 | 513 | 11 |
| 8/2/12 | 12:09:31 PM | 0.28 | 232 | 511 | 11 |
| 8/2/12 | 12:10:31 PM | 0.28 | 231 | 512 | 11 |
| 8/2/12 | 12:11:31 PM | 0.28 | 231 | 510 | 11 |
| 8/2/12 | 12:12:31 PM | 0.28 | 231 | 510 | 11 |
| 8/2/12 | 12:13:31 PM | 0.28 | 231 | 510 | 11 |
| 8/2/12 | 12:14:31 PM | 0.28 | 232 | 509 | 11 |
| 8/2/12 | 12:15:31 PM | 0.29 | 231 | 507 | 11 |
| 8/2/12 | 12:16:31 PM | 0.28 | 231 | 508 | 11 |
| 8/2/12 | 12:17:31 PM | 0.28 | 231 | 509 | 11 |
| 8/2/12 | 12:18:31 PM | 0.28 | 231 | 510 | 11 |
| 8/2/12 | 12:19:31 PM | 0.29 | 232 | 509 | 11 |
| 8/2/12 | 12:20:31 PM | 0.28 | 232 | 510 | 11 |
| 8/2/12 | 12:21:31 PM | 0.28 | 232 | 510 | 11 |
| 8/2/12 | 12:22:31 PM | 0.28 | 233 | 512 | 11 |
| 8/2/12 | 12:23:31 PM | 0.28 | 232 | 514 | 11 |
| 8/2/12 | 12:24:31 PM | 0.28 | 232 | 514 | 11 |
| 8/2/12 | 12:25:31 PM | 0.28 | 232 | 515 | 11 |
| 8/2/12 | 12:26:31 PM | 0.28 | 232 | 516 | 11 |
| 8/2/12 | 12:27:31 PM | 0.28 | 231 | 518 | 11 |
| 8/2/12 | 12:28:31 PM | 0.28 | 230 | 517 | 11 |
| 8/2/12 | 12:29:31 PM | 0.29 | 230 | 517 | 11 |
| 8/2/12 | 12:30:31 PM | 0.29 | 231 | 517 | 11 |
| 8/2/12 | 12:31:31 PM | 0.29 | 230 | 518 | 11 |
| 8/2/12 | 12:32:31 PM | 0.29 | 230 | 518 | 11 |
| 8/2/12 | 12:33:31 PM | 0.29 | 229 | 518 | 11 |
| 8/2/12 | 12:34:31 PM | 0.29 | 230 | 517 | 11 |
| 8/2/12 | 12:35:31 PM | 0.29 | 231 | 518 | 11 |
| 8/2/12 | 12:36:31 PM | 0.29 | 231 | 519 | 11 |
| 8/2/12 | 12:37:31 PM | 0.28 | 231 | 521 | 11 |
| 8/2/12 | 12:38:31 PM | 0.29 | 231 | 520 | 11 |
| 8/2/12 | 12:39:31 PM | 0.29 | 231 | 521 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 12:40:31 PM | 0.29 | 230 | 520 | 11 |
| 8/2/12 | 12:41:31 PM | 0.29 | 230 | 521 | 11 |
| 8/2/12 | 12:42:31 PM | 0.29 | 231 | 522 | 11 |
| 8/2/12 | 12:43:31 PM | 0.29 | 231 | 522 | 11 |
| 8/2/12 | 12:44:31 PM | 0.29 | 231 | 520 | 11 |
| 8/2/12 | 12:45:31 PM | 0.29 | 231 | 519 | 11 |
| 8/2/12 | 12:46:31 PM | 0.29 | 231 | 521 | 11 |
| 8/2/12 | 12:47:31 PM | 0.29 | 231 | 520 | 11 |
| 8/2/12 | 12:48:31 PM | 0.28 | 232 | 519 | 11 |
| 8/2/12 | 12:49:31 PM | 0.28 | 233 | 519 | 11 |
| 8/2/12 | 12:50:31 PM | 0.29 | 233 | 520 | 11 |
| 8/2/12 | 12:51:31 PM | 0.28 | 234 | 520 | 11 |
| 8/2/12 | 12:52:31 PM | 0.28 | 234 | 521 | 11 |
| 8/2/12 | 12:53:31 PM | 0.28 | 235 | 520 | 11 |
| 8/2/12 | 12:54:31 PM | 0.28 | 235 | 521 | 11 |
| 8/2/12 | 12:55:31 PM | 0.28 | 236 | 523 | 11 |
| 8/2/12 | 12:56:31 PM | 0.28 | 235 | 524 | 11 |
| 8/2/12 | 12:57:31 PM | 0.28 | 235 | 524 | 11 |
| 8/2/12 | 12:58:31 PM | 0.28 | 235 | 523 | 11 |
| 8/2/12 | 12:59:31 PM | 0.28 | 234 | 525 | 11 |
| 8/2/12 | 1:00:31 PM | 0.28 | 234 | 525 | 11 |
| 8/2/12 | 1:01:31 PM | 0.28 | 234 | 523 | 11 |
| 8/2/12 | 1:02:31 PM | 0.28 | 234 | 521 | 11 |
| 8/2/12 | 1:03:31 PM | 0.28 | 234 | 522 | 11 |
| 8/2/12 | 1:04:31 PM | 0.28 | 234 | 525 | 11 |
| 8/2/12 | 1:05:31 PM | 0.28 | 234 | 524 | 11 |
| 8/2/12 | 1:06:31 PM | 0.28 | 235 | 522 | 11 |
| 8/2/12 | 1:07:31 PM | 0.28 | 235 | 523 | 11 |
| 8/2/12 | 1:08:31 PM | 0.28 | 235 | 522 | 11 |
| 8/2/12 | 1:09:31 PM | 0.28 | 235 | 523 | 11 |
| 8/2/12 | 1:10:31 PM | 0.29 | 235 | 523 | 11 |
| 8/2/12 | 1:11:31 PM | 0.29 | 235 | 522 | 11 |
| 8/2/12 | 1:12:31 PM | 0.28 | 234 | 522 | 11 |
| 8/2/12 | 1:13:31 PM | 0.28 | 233 | 522 | 11 |
| 8/2/12 | 1:14:31 PM | 0.29 | 233 | 521 | 11 |
| 8/2/12 | 1:15:31 PM | 0.29 | 233 | 523 | 11 |
| 8/2/12 | 1:16:31 PM | 0.29 | 232 | 521 | 11 |
| 8/2/12 | 1:17:31 PM | 0.29 | 232 | 519 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 1:18:31 PM | 0.28 | 232 | 520 | 11 |
| 8/2/12 | 1:19:31 PM | 0.29 | 232 | 520 | 11 |
| 8/2/12 | 1:20:31 PM | 0.29 | 232 | 521 | 11 |
| 8/2/12 | 1:21:31 PM | 0.28 | 232 | 518 | 11 |
| 8/2/12 | 1:22:31 PM | 0.29 | 232 | 517 | 12 |
| 8/2/12 | 1:23:31 PM | 0.29 | 233 | 515 | 12 |
| 8/2/12 | 1:24:31 PM | 0.28 | 233 | 515 | 11 |
| 8/2/12 | 1:25:31 PM | 0.29 | 232 | 518 | 11 |
| 8/2/12 | 1:26:31 PM | 0.29 | 231 | 516 | 11 |
| 8/2/12 | 1:27:31 PM | 0.29 | 231 | 516 | 11 |
| 8/2/12 | 1:28:31 PM | 0.29 | 230 | 515 | 11 |
| 8/2/12 | 1:29:31 PM | 0.29 | 230 | 513 | 11 |
| 8/2/12 | 1:30:31 PM | 0.29 | 229 | 513 | 11 |
| 8/2/12 | 1:31:31 PM | 0.29 | 229 | 511 | 11 |
| 8/2/12 | 1:32:31 PM | 0.29 | 229 | 510 | 11 |
| 8/2/12 | 1:33:31 PM | 0.29 | 229 | 510 | 12 |
| 8/2/12 | 1:34:31 PM | 0.30 | 228 | 509 | 12 |
| 8/2/12 | 1:35:31 PM | 0.29 | 228 | 506 | 12 |
| 8/2/12 | 1:36:31 PM | 0.29 | 228 | 505 | 12 |
| 8/2/12 | 1:37:31 PM | 0.29 | 229 | 504 | 12 |
| 8/2/12 | 1:38:31 PM | 0.29 | 230 | 502 | 12 |
| 8/2/12 | 1:39:31 PM | 0.29 | 231 | 504 | 11 |
| 8/2/12 | 1:40:31 PM | 0.29 | 231 | 506 | 11 |
| 8/2/12 | 1:41:31 PM | 0.29 | 231 | 508 | 11 |
| 8/2/12 | 1:42:31 PM | 0.29 | 230 | 511 | 11 |
| 8/2/12 | 1:43:31 PM | 0.29 | 230 | 507 | 11 |
| 8/2/12 | 1:44:31 PM | 0.29 | 229 | 507 | 11 |
| 8/2/12 | 1:45:31 PM | 0.29 | 230 | 506 | 11 |
| 8/2/12 | 1:46:31 PM | 0.29 | 230 | 506 | 11 |
| 8/2/12 | 1:47:31 PM | 0.29 | 231 | 505 | 11 |
| 8/2/12 | 1:48:31 PM | 0.29 | 231 | 506 | 11 |
| 8/2/12 | 1:49:31 PM | 0.29 | 231 | 504 | 11 |
| 8/2/12 | 1:50:31 PM | 0.29 | 230 | 503 | 11 |
| 8/2/12 | 1:51:31 PM | 0.29 | 229 | 500 | 11 |
| 8/2/12 | 1:52:31 PM | 0.29 | 229 | 499 | 11 |
| 8/2/12 | 1:53:31 PM | 0.29 | 230 | 500 | 11 |
| 8/2/12 | 1:54:31 PM | 0.28 | 230 | 500 | 11 |
| 8/2/12 | 1:55:31 PM | 0.28 | 231 | 500 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 1:56:31 PM | 0.29 | 232 | 503 | 11 |
| 8/2/12 | 1:57:31 PM | 0.29 | 232 | 507 | 11 |
| 8/2/12 | 1:58:31 PM | 0.28 | 233 | 506 | 11 |
| 8/2/12 | 1:59:31 PM | 0.28 | 233 | 506 | 11 |
| 8/2/12 | 2:00:31 PM | 0.28 | 233 | 507 | 11 |
| 8/2/12 | 2:01:31 PM | 0.28 | 234 | 507 | 11 |
| 8/2/12 | 2:02:31 PM | 0.28 | 234 | 507 | 11 |
| 8/2/12 | 2:03:31 PM | 0.28 | 233 | 505 | 11 |
| 8/2/12 | 2:04:31 PM | 0.28 | 234 | 506 | 11 |
| 8/2/12 | 2:05:31 PM | 0.28 | 235 | 510 | 11 |
| 8/2/12 | 2:06:31 PM | 0.28 | 235 | 510 | 11 |
| 8/2/12 | 2:07:31 PM | 0.28 | 234 | 508 | 11 |
| 8/2/12 | 2:08:31 PM | 0.28 | 233 | 505 | 11 |
| 8/2/12 | 2:09:31 PM | 0.28 | 233 | 505 | 11 |
| 8/2/12 | 2:10:31 PM | 0.28 | 233 | 505 | 11 |
| 8/2/12 | 2:11:31 PM | 0.28 | 233 | 505 | 11 |
| 8/2/12 | 2:12:31 PM | 0.28 | 233 | 506 | 11 |
| 8/2/12 | 2:13:31 PM | 0.29 | 233 | 506 | 11 |
| 8/2/12 | 2:14:31 PM | 0.28 | 232 | 507 | 11 |
| 8/2/12 | 2:15:31 PM | 0.28 | 232 | 504 | 11 |
| 8/2/12 | 2:16:31 PM | 0.28 | 233 | 507 | 11 |
| 8/2/12 | 2:17:31 PM | 0.28 | 234 | 508 | 11 |
| 8/2/12 | 2:18:31 PM | 0.28 | 234 | 507 | 11 |
| 8/2/12 | 2:19:31 PM | 0.28 | 234 | 506 | 11 |
| 8/2/12 | 2:20:31 PM | 0.29 | 233 | 505 | 11 |
| 8/2/12 | 2:21:31 PM | 0.28 | 233 | 504 | 11 |
| 8/2/12 | 2:22:31 PM | 0.29 | 233 | 503 | 11 |
| 8/2/12 | 2:23:31 PM | 0.29 | 234 | 504 | 11 |
| 8/2/12 | 2:24:31 PM | 0.28 | 234 | 505 | 11 |
| 8/2/12 | 2:25:31 PM | 0.28 | 234 | 505 | 11 |
| 8/2/12 | 2:26:31 PM | 0.28 | 234 | 503 | 11 |
| 8/2/12 | 2:27:31 PM | 0.28 | 234 | 505 | 11 |
| 8/2/12 | 2:28:31 PM | 0.29 | 233 | 505 | 11 |
| 8/2/12 | 2:29:31 PM | 0.28 | 233 | 504 | 11 |
| 8/2/12 | 2:30:31 PM | 0.28 | 233 | 503 | 11 |
| 8/2/12 | 2:31:31 PM | 0.28 | 234 | 502 | 11 |
| 8/2/12 | 2:32:31 PM | 0.28 | 235 | 504 | 11 |
| 8/2/12 | 2:33:31 PM | 0.28 | 234 | 506 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 2:34:31 PM | 0.28 | 233 | 503 | 11 |
| 8/2/12 | 2:35:31 PM | 0.28 | 233 | 501 | 11 |
| 8/2/12 | 2:36:31 PM | 0.28 | 234 | 502 | 11 |
| 8/2/12 | 2:37:31 PM | 0.28 | 235 | 504 | 11 |
| 8/2/12 | 2:38:31 PM | 0.28 | 235 | 504 | 11 |
| 8/2/12 | 2:39:31 PM | 0.28 | 234 | 503 | 11 |
| 8/2/12 | 2:40:31 PM | 0.28 | 235 | 503 | 11 |
| 8/2/12 | 2:41:31 PM | 0.28 | 235 | 506 | 11 |
| 8/2/12 | 2:42:31 PM | 0.28 | 235 | 506 | 11 |
| 8/2/12 | 2:43:31 PM | 0.29 | 235 | 508 | 11 |
| 8/2/12 | 2:44:31 PM | 0.29 | 235 | 510 | 11 |
| 8/2/12 | 2:45:31 PM | 0.28 | 235 | 510 | 11 |
| 8/2/12 | 2:46:31 PM | 0.28 | 235 | 510 | 11 |
| 8/2/12 | 2:47:31 PM | 0.29 | 234 | 511 | 11 |
| 8/2/12 | 2:48:31 PM | 0.28 | 233 | 512 | 11 |
| 8/2/12 | 2:49:31 PM | 0.28 | 233 | 508 | 11 |
| 8/2/12 | 2:50:31 PM | 0.28 | 234 | 509 | 11 |
| 8/2/12 | 2:51:31 PM | 0.28 | 235 | 511 | 11 |
| 8/2/12 | 2:52:31 PM | 0.28 | 234 | 511 | 11 |
| 8/2/12 | 2:53:31 PM | 0.28 | 233 | 511 | 11 |
| 8/2/12 | 2:54:31 PM | 0.28 | 233 | 509 | 11 |
| 8/2/12 | 2:55:31 PM | 0.27 | 234 | 509 | 11 |
| 8/2/12 | 2:56:31 PM | 0.27 | 235 | 511 | 11 |
| 8/2/12 | 2:57:31 PM | 0.27 | 235 | 511 | 11 |
| 8/2/12 | 2:58:31 PM | 0.27 | 234 | 512 | 11 |
| 8/2/12 | 2:59:31 PM | 0.28 | 235 | 513 | 11 |
| 8/2/12 | 3:00:31 PM | 0.28 | 235 | 512 | 11 |
| 8/2/12 | 3:01:31 PM | 0.27 | 234 | 512 | 11 |
| 8/2/12 | 3:02:31 PM | 0.28 | 234 | 511 | 11 |
| 8/2/12 | 3:03:31 PM | 0.28 | 234 | 513 | 11 |
| 8/2/12 | 3:04:31 PM | 0.28 | 234 | 514 | 11 |
| 8/2/12 | 3:05:31 PM | 0.27 | 234 | 514 | 11 |
| 8/2/12 | 3:06:31 PM | 0.27 | 233 | 514 | 11 |
| 8/2/12 | 3:07:31 PM | 0.28 | 234 | 516 | 11 |
| 8/2/12 | 3:08:31 PM | 0.27 | 233 | 514 | 11 |
| 8/2/12 | 3:09:31 PM | 0.27 | 233 | 519 | 11 |
| 8/2/12 | 3:10:31 PM | 0.27 | 231 | 518 | 11 |
| 8/2/12 | 3:11:31 PM | 0.27 | 230 | 515 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 3:12:31 PM | 0.28 | 231 | 516 | 11 |
| 8/2/12 | 3:13:31 PM | 0.27 | 230 | 515 | 11 |
| 8/2/12 | 3:14:31 PM | 0.27 | 230 | 513 | 11 |
| 8/2/12 | 3:15:31 PM | 0.27 | 230 | 513 | 11 |
| 8/2/12 | 3:16:31 PM | 0.27 | 229 | 512 | 11 |
| 8/2/12 | 3:17:31 PM | 0.27 | 230 | 511 | 11 |
| 8/2/12 | 3:18:31 PM | 0.28 | 230 | 511 | 11 |
| 8/2/12 | 3:19:31 PM | 0.27 | 228 | 510 | 11 |
| 8/2/12 | 3:20:31 PM | 0.27 | 228 | 511 | 11 |
| 8/2/12 | 3:21:31 PM | 0.27 | 229 | 511 | 11 |
| 8/2/12 | 3:22:31 PM | 0.27 | 230 | 511 | 11 |
| 8/2/12 | 3:23:31 PM | 0.28 | 230 | 512 | 11 |
| 8/2/12 | 3:24:31 PM | 0.28 | 231 | 516 | 11 |
| 8/2/12 | 3:25:31 PM | 0.28 | 231 | 516 | 11 |
| 8/2/12 | 3:26:31 PM | 0.28 | 230 | 516 | 11 |
| 8/2/12 | 3:27:31 PM | 0.28 | 230 | 513 | 11 |
| 8/2/12 | 3:28:31 PM | 0.28 | 229 | 515 | 11 |
| 8/2/12 | 3:29:31 PM | 0.27 | 230 | 513 | 11 |
| 8/2/12 | 3:30:31 PM | 0.27 | 231 | 513 | 11 |
| 8/2/12 | 3:31:31 PM | 0.27 | 230 | 514 | 11 |
| 8/2/12 | 3:32:31 PM | 0.27 | 230 | 514 | 11 |
| 8/2/12 | 3:33:31 PM | 0.27 | 229 | 512 | 11 |
| 8/2/12 | 3:34:31 PM | 0.28 | 230 | 515 | 11 |
| 8/2/12 | 3:35:31 PM | 0.27 | 230 | 515 | 11 |
| 8/2/12 | 3:36:31 PM | 0.28 | 229 | 517 | 11 |
| 8/2/12 | 3:37:31 PM | 0.28 | 229 | 519 | 11 |
| 8/2/12 | 3:38:31 PM | 0.28 | 228 | 518 | 11 |
| 8/2/12 | 3:39:31 PM | 0.28 | 227 | 515 | 11 |
| 8/2/12 | 3:40:31 PM | 0.28 | 227 | 511 | 11 |
| 8/2/12 | 3:41:31 PM | 0.28 | 226 | 510 | 11 |
| 8/2/12 | 3:42:31 PM | 0.28 | 226 | 508 | 11 |
| 8/2/12 | 3:43:31 PM | 0.28 | 226 | 509 | 11 |
| 8/2/12 | 3:44:31 PM | 0.28 | 227 | 508 | 11 |
| 8/2/12 | 3:45:31 PM | 0.28 | 227 | 509 | 11 |
| 8/2/12 | 3:46:31 PM | 0.28 | 228 | 511 | 11 |
| 8/2/12 | 3:47:31 PM | 0.28 | 227 | 511 | 11 |
| 8/2/12 | 3:48:31 PM | 0.28 | 227 | 511 | 11 |
| 8/2/12 | 3:49:31 PM | 0.28 | 228 | 513 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 3:50:31 PM | 0.28 | 229 | 517 | 11 |
| 8/2/12 | 3:51:31 PM | 0.28 | 229 | 518 | 12 |
| 8/2/12 | 3:52:31 PM | 0.27 | 229 | 517 | 12 |
| 8/2/12 | 3:53:31 PM | 0.27 | 229 | 518 | 12 |
| 8/2/12 | 3:54:31 PM | 0.28 | 230 | 521 | 12 |
| 8/2/12 | 3:55:31 PM | 0.27 | 230 | 521 | 12 |
| 8/2/12 | 3:56:31 PM | 0.28 | 230 | 523 | 12 |
| 8/2/12 | 3:57:31 PM | 0.28 | 231 | 528 | 12 |
| 8/2/12 | 3:58:31 PM | 0.28 | 231 | 526 | 12 |
| 8/2/12 | 3:59:31 PM | 0.28 | 231 | 523 | 12 |
| 8/2/12 | 4:00:31 PM | 0.28 | 229 | 522 | 12 |
| 8/2/12 | 4:01:31 PM | 0.28 | 229 | 524 | 12 |
| 8/2/12 | 4:02:31 PM | 0.28 | 228 | 524 | 12 |
| 8/2/12 | 4:03:31 PM | 0.28 | 229 | 523 | 12 |
| 8/2/12 | 4:04:31 PM | 0.27 | 229 | 526 | 12 |
| 8/2/12 | 4:05:31 PM | 0.28 | 230 | 526 | 12 |
| 8/2/12 | 4:06:31 PM | 0.27 | 230 | 525 | 12 |
| 8/2/12 | 4:07:31 PM | 0.27 | 230 | 523 | 12 |
| 8/2/12 | 4:08:31 PM | 0.27 | 230 | 523 | 12 |
| 8/2/12 | 4:09:31 PM | 0.27 | 230 | 522 | 12 |
| 8/2/12 | 4:10:31 PM | 0.27 | 231 | 523 | 12 |
| 8/2/12 | 4:11:31 PM | 0.28 | 231 | 524 | 12 |
| 8/2/12 | 4:12:31 PM | 0.27 | 232 | 523 | 12 |
| 8/2/12 | 4:13:31 PM | 0.27 | 231 | 523 | 12 |
| 8/2/12 | 4:14:31 PM | 0.27 | 231 | 523 | 12 |
| 8/2/12 | 4:15:31 PM | 0.28 | 232 | 523 | 12 |
| 8/2/12 | 4:16:31 PM | 0.28 | 232 | 522 | 12 |
| 8/2/12 | 4:17:31 PM | 0.28 | 232 | 525 | 12 |
| 8/2/12 | 4:18:31 PM | 0.28 | 233 | 524 | 12 |
| 8/2/12 | 4:19:31 PM | 0.28 | 234 | 526 | 12 |
| 8/2/12 | 4:20:31 PM | 0.27 | 232 | 526 | 12 |
| 8/2/12 | 4:21:31 PM | 0.28 | 232 | 524 | 12 |
| 8/2/12 | 4:22:31 PM | 0.28 | 230 | 524 | 12 |
| 8/2/12 | 4:23:31 PM | 0.28 | 229 | 522 | 12 |
| 8/2/12 | 4:24:31 PM | 0.28 | 228 | 520 | 12 |
| 8/2/12 | 4:25:31 PM | 0.28 | 227 | 520 | 12 |
| 8/2/12 | 4:26:31 PM | 0.28 | 228 | 521 | 12 |
| 8/2/12 | 4:27:31 PM | 0.28 | 229 | 522 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 4:28:31 PM | 0.28 | 229 | 521 | 12 |
| 8/2/12 | 4:29:31 PM | 0.28 | 228 | 522 | 12 |
| 8/2/12 | 4:30:31 PM | 0.27 | 228 | 522 | 12 |
| 8/2/12 | 4:31:31 PM | 0.27 | 228 | 522 | 12 |
| 8/2/12 | 4:32:31 PM | 0.28 | 229 | 522 | 12 |
| 8/2/12 | 4:33:31 PM | 0.28 | 229 | 519 | 12 |
| 8/2/12 | 4:34:31 PM | 0.28 | 229 | 521 | 12 |
| 8/2/12 | 4:35:31 PM | 0.27 | 229 | 521 | 12 |
| 8/2/12 | 4:36:31 PM | 0.27 | 228 | 524 | 12 |
| 8/2/12 | 4:37:31 PM | 0.28 | 228 | 519 | 12 |
| 8/2/12 | 4:38:31 PM | 0.28 | 227 | 518 | 12 |
| 8/2/12 | 4:39:31 PM | 0.27 | 226 | 518 | 12 |
| 8/2/12 | 4:40:31 PM | 0.27 | 227 | 518 | 12 |
| 8/2/12 | 4:41:31 PM | 0.27 | 227 | 517 | 12 |
| 8/2/12 | 4:42:31 PM | 0.28 | 228 | 516 | 12 |
| 8/2/12 | 4:43:31 PM | 0.28 | 228 | 517 | 12 |
| 8/2/12 | 4:44:31 PM | 0.28 | 227 | 516 | 12 |
| 8/2/12 | 4:45:31 PM | 0.27 | 228 | 517 | 12 |
| 8/2/12 | 4:46:31 PM | 0.27 | 228 | 518 | 12 |
| 8/2/12 | 4:47:31 PM | 0.27 | 229 | 517 | 12 |
| 8/2/12 | 4:48:31 PM | 0.27 | 229 | 518 | 12 |
| 8/2/12 | 4:49:31 PM | 0.27 | 228 | 520 | 12 |
| 8/2/12 | 4:50:31 PM | 0.27 | 228 | 525 | 12 |
| 8/2/12 | 4:51:31 PM | 0.27 | 227 | 526 | 12 |
| 8/2/12 | 4:52:31 PM | Start Calibration | | | |
| 8/2/12 | 4:53:31 PM | | | | |
| 8/2/12 | 4:54:31 PM | | | | |
| 8/2/12 | 4:55:31 PM | | | | |
| 8/2/12 | 4:56:31 PM | | | | |
| 8/2/12 | 4:57:31 PM | | | | |
| 8/2/12 | 4:58:31 PM | | | | |
| 8/2/12 | 4:59:31 PM | | | | |
| 8/2/12 | 5:00:31 PM | | | | |
| 8/2/12 | 5:01:31 PM | | | | |
| 8/2/12 | 5:02:31 PM | | | | |
| 8/2/12 | 5:03:31 PM | | | | |
| 8/2/12 | 5:04:31 PM | | | | |
| 8/2/12 | 5:05:31 PM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/2/12 5:06:31 PM | | | | |
| 8/2/12 5:07:31 PM | | | | |
| 8/2/12 5:08:31 PM | | | | |
| 8/2/12 5:09:31 PM | | | | |
| 8/2/12 5:10:31 PM | | | | |
| 8/2/12 5:11:31 PM | | | | |
| 8/2/12 5:12:31 PM | | | | |
| 8/2/12 5:13:31 PM | | | | |
| 8/2/12 5:14:31 PM | | | | |
| 8/2/12 5:15:31 PM | | | | |
| 8/2/12 5:16:31 PM | | | | |
| 8/2/12 5:17:31 PM | | | | |
| 8/2/12 5:18:31 PM | | | | |
| 8/2/12 5:19:31 PM | | | | |
| 8/2/12 5:20:31 PM | | | | |
| 8/2/12 5:21:31 PM | | | | |
| 8/2/12 5:22:31 PM | | | | |
| 8/2/12 5:23:31 PM | | | | |
| 8/2/12 5:24:31 PM | | | | |
| 8/2/12 5:25:31 PM | | | | |
| 8/2/12 5:26:31 PM | | | | |
| 8/2/12 5:27:31 PM | | | | |
| 8/2/12 5:28:31 PM | | | | |
| 8/2/12 5:29:31 PM | | | | |
| 8/2/12 5:30:31 PM | | | | |
| 8/2/12 5:31:31 PM | | | | |
| 8/2/12 5:32:31 PM | | | | |
| 8/2/12 5:33:31 PM | | | | |
| 8/2/12 5:34:31 PM | | | | |
| 8/2/12 5:35:31 PM | | | | |
| 8/2/12 5:36:31 PM | | | | |
| 8/2/12 5:37:31 PM | | | | |
| 8/2/12 5:38:31 PM | | | | |
| 8/2/12 5:39:31 PM | | | | |
| 8/2/12 5:40:31 PM | | | | |
| 8/2/12 5:41:31 PM | | | | |
| 8/2/12 5:42:31 PM | | | | |
| 8/2/12 5:43:31 PM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 5:44:31 PM | | | | |
| 8/2/12 | 5:45:31 PM | | | | |
| 8/2/12 | 5:46:31 PM | | | | |
| 8/2/12 | 5:47:31 PM | | | | |
| 8/2/12 | 5:48:31 PM | | | | |
| 8/2/12 | 5:49:31 PM | | | | |
| 8/2/12 | 5:50:31 PM | | | | |
| 8/2/12 | 5:51:31 PM | End Calibration | | | |
| 8/2/12 | 5:52:31 PM | 0.28 | 230 | 425 | 13 |
| 8/2/12 | 5:53:31 PM | 0.27 | 230 | 433 | 13 |
| 8/2/12 | 5:54:31 PM | 0.28 | 231 | 443 | 13 |
| 8/2/12 | 5:55:31 PM | 0.27 | 230 | 448 | 13 |
| 8/2/12 | 5:56:31 PM | 0.28 | 229 | 452 | 13 |
| 8/2/12 | 5:57:31 PM | 0.28 | 228 | 455 | 13 |
| 8/2/12 | 5:58:31 PM | 0.28 | 227 | 457 | 13 |
| 8/2/12 | 5:59:31 PM | 0.28 | 227 | 461 | 13 |
| 8/2/12 | 6:00:31 PM | 0.28 | 227 | 463 | 13 |
| 8/2/12 | 6:01:31 PM | 0.28 | 227 | 464 | 13 |
| 8/2/12 | 6:02:31 PM | 0.28 | 227 | 467 | 13 |
| 8/2/12 | 6:03:31 PM | 0.28 | 227 | 467 | 13 |
| 8/2/12 | 6:04:31 PM | 0.27 | 227 | 471 | 13 |
| 8/2/12 | 6:05:31 PM | 0.27 | 228 | 473 | 13 |
| 8/2/12 | 6:06:31 PM | 0.28 | 228 | 477 | 13 |
| 8/2/12 | 6:07:31 PM | 0.27 | 226 | 475 | 13 |
| 8/2/12 | 6:08:31 PM | 0.28 | 226 | 475 | 13 |
| 8/2/12 | 6:09:31 PM | 0.27 | 227 | 477 | 13 |
| 8/2/12 | 6:10:31 PM | 0.28 | 226 | 478 | 13 |
| 8/2/12 | 6:11:31 PM | 0.28 | 226 | 481 | 13 |
| 8/2/12 | 6:12:31 PM | 0.28 | 226 | 481 | 13 |
| 8/2/12 | 6:13:31 PM | 0.27 | 226 | 482 | 13 |
| 8/2/12 | 6:14:31 PM | 0.28 | 226 | 482 | 13 |
| 8/2/12 | 6:15:31 PM | 0.28 | 226 | 482 | 13 |
| 8/2/12 | 6:16:31 PM | 0.27 | 226 | 483 | 13 |
| 8/2/12 | 6:17:31 PM | 0.28 | 225 | 483 | 13 |
| 8/2/12 | 6:18:31 PM | 0.27 | 225 | 483 | 13 |
| 8/2/12 | 6:19:31 PM | 0.28 | 224 | 482 | 13 |
| 8/2/12 | 6:20:31 PM | 0.27 | 224 | 482 | 13 |
| 8/2/12 | 6:21:31 PM | 0.27 | 224 | 483 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 6:22:31 PM | 0.27 | 225 | 484 | 13 |
| 8/2/12 | 6:23:31 PM | 0.28 | 225 | 484 | 13 |
| 8/2/12 | 6:24:31 PM | 0.28 | 225 | 485 | 13 |
| 8/2/12 | 6:25:31 PM | 0.27 | 225 | 486 | 13 |
| 8/2/12 | 6:26:31 PM | 0.28 | 226 | 488 | 13 |
| 8/2/12 | 6:27:31 PM | 0.28 | 226 | 487 | 13 |
| 8/2/12 | 6:28:31 PM | 0.28 | 224 | 487 | 13 |
| 8/2/12 | 6:29:31 PM | 0.27 | 224 | 487 | 13 |
| 8/2/12 | 6:30:31 PM | 0.27 | 225 | 487 | 13 |
| 8/2/12 | 6:31:31 PM | 0.27 | 226 | 490 | 13 |
| 8/2/12 | 6:32:31 PM | 0.27 | 227 | 491 | 13 |
| 8/2/12 | 6:33:31 PM | 0.28 | 228 | 492 | 12 |
| 8/2/12 | 6:34:31 PM | 0.27 | 228 | 493 | 12 |
| 8/2/12 | 6:35:31 PM | 0.27 | 227 | 493 | 12 |
| 8/2/12 | 6:36:31 PM | 0.27 | 226 | 492 | 12 |
| 8/2/12 | 6:37:31 PM | 0.27 | 227 | 492 | 12 |
| 8/2/12 | 6:38:31 PM | 0.27 | 226 | 494 | 12 |
| 8/2/12 | 6:39:31 PM | 0.27 | 226 | 494 | 12 |
| 8/2/12 | 6:40:31 PM | 0.27 | 227 | 492 | 12 |
| 8/2/12 | 6:41:31 PM | 0.27 | 227 | 493 | 12 |
| 8/2/12 | 6:42:31 PM | 0.27 | 227 | 495 | 12 |
| 8/2/12 | 6:43:31 PM | 0.28 | 225 | 496 | 12 |
| 8/2/12 | 6:44:31 PM | 0.27 | 224 | 492 | 12 |
| 8/2/12 | 6:45:31 PM | 0.27 | 225 | 493 | 12 |
| 8/2/12 | 6:46:31 PM | 0.27 | 225 | 493 | 12 |
| 8/2/12 | 6:47:31 PM | 0.28 | 225 | 492 | 12 |
| 8/2/12 | 6:48:31 PM | 0.27 | 225 | 491 | 12 |
| 8/2/12 | 6:49:31 PM | 0.27 | 226 | 492 | 12 |
| 8/2/12 | 6:50:31 PM | 0.27 | 226 | 493 | 12 |
| 8/2/12 | 6:51:31 PM | 0.27 | 227 | 494 | 13 |
| 8/2/12 | 6:52:31 PM | 0.28 | 228 | 494 | 13 |
| 8/2/12 | 6:53:31 PM | 0.27 | 227 | 497 | 13 |
| 8/2/12 | 6:54:31 PM | 0.27 | 227 | 497 | 12 |
| 8/2/12 | 6:55:31 PM | 0.28 | 225 | 498 | 12 |
| 8/2/12 | 6:56:31 PM | 0.27 | 224 | 496 | 12 |
| 8/2/12 | 6:57:31 PM | 0.27 | 223 | 495 | 12 |
| 8/2/12 | 6:58:31 PM | 0.28 | 222 | 493 | 12 |
| 8/2/12 | 6:59:31 PM | 0.28 | 223 | 494 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 7:00:31 PM | 0.28 | 223 | 494 | 12 |
| 8/2/12 | 7:01:31 PM | 0.28 | 222 | 493 | 12 |
| 8/2/12 | 7:02:31 PM | 0.28 | 222 | 493 | 12 |
| 8/2/12 | 7:03:31 PM | 0.28 | 222 | 496 | 12 |
| 8/2/12 | 7:04:31 PM | 0.28 | 221 | 492 | 12 |
| 8/2/12 | 7:05:31 PM | 0.28 | 222 | 490 | 12 |
| 8/2/12 | 7:06:31 PM | 0.28 | 221 | 491 | 12 |
| 8/2/12 | 7:07:31 PM | 0.28 | 220 | 488 | 12 |
| 8/2/12 | 7:08:31 PM | 0.28 | 220 | 488 | 12 |
| 8/2/12 | 7:09:31 PM | 0.27 | 220 | 488 | 12 |
| 8/2/12 | 7:10:31 PM | 0.28 | 221 | 489 | 13 |
| 8/2/12 | 7:11:31 PM | 0.27 | 221 | 490 | 13 |
| 8/2/12 | 7:12:31 PM | 0.28 | 221 | 490 | 12 |
| 8/2/12 | 7:13:31 PM | 0.27 | 221 | 490 | 12 |
| 8/2/12 | 7:14:31 PM | 0.28 | 223 | 492 | 12 |
| 8/2/12 | 7:15:31 PM | 0.27 | 224 | 492 | 12 |
| 8/2/12 | 7:16:31 PM | 0.27 | 223 | 493 | 12 |
| 8/2/12 | 7:17:31 PM | 0.27 | 223 | 493 | 12 |
| 8/2/12 | 7:18:31 PM | 0.27 | 223 | 492 | 12 |
| 8/2/12 | 7:19:31 PM | 0.27 | 223 | 492 | 12 |
| 8/2/12 | 7:20:31 PM | 0.27 | 223 | 492 | 12 |
| 8/2/12 | 7:21:31 PM | 0.27 | 224 | 492 | 12 |
| 8/2/12 | 7:22:31 PM | 0.27 | 224 | 494 | 12 |
| 8/2/12 | 7:23:31 PM | 0.28 | 225 | 496 | 12 |
| 8/2/12 | 7:24:31 PM | 0.27 | 227 | 497 | 12 |
| 8/2/12 | 7:25:31 PM | 0.27 | 226 | 497 | 12 |
| 8/2/12 | 7:26:31 PM | 0.27 | 227 | 497 | 12 |
| 8/2/12 | 7:27:31 PM | 0.28 | 227 | 498 | 12 |
| 8/2/12 | 7:28:31 PM | 0.27 | 227 | 499 | 12 |
| 8/2/12 | 7:29:31 PM | 0.27 | 227 | 498 | 12 |
| 8/2/12 | 7:30:31 PM | 0.27 | 227 | 499 | 12 |
| 8/2/12 | 7:31:31 PM | 0.28 | 227 | 502 | 12 |
| 8/2/12 | 7:32:31 PM | 0.27 | 226 | 500 | 12 |
| 8/2/12 | 7:33:31 PM | 0.27 | 226 | 500 | 12 |
| 8/2/12 | 7:34:31 PM | 0.27 | 226 | 498 | 12 |
| 8/2/12 | 7:35:31 PM | 0.27 | 226 | 498 | 12 |
| 8/2/12 | 7:36:31 PM | 0.27 | 226 | 497 | 12 |
| 8/2/12 | 7:37:31 PM | 0.27 | 226 | 496 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 7:38:31 PM | 0.28 | 226 | 494 | 12 |
| 8/2/12 | 7:39:31 PM | 0.28 | 226 | 496 | 12 |
| 8/2/12 | 7:40:31 PM | 0.28 | 225 | 494 | 12 |
| 8/2/12 | 7:41:31 PM | 0.28 | 224 | 493 | 12 |
| 8/2/12 | 7:42:31 PM | 0.28 | 224 | 492 | 12 |
| 8/2/12 | 7:43:31 PM | 0.28 | 222 | 491 | 12 |
| 8/2/12 | 7:44:31 PM | 0.27 | 222 | 488 | 12 |
| 8/2/12 | 7:45:31 PM | 0.28 | 222 | 486 | 12 |
| 8/2/12 | 7:46:31 PM | 0.27 | 221 | 485 | 12 |
| 8/2/12 | 7:47:31 PM | 0.27 | 221 | 484 | 12 |
| 8/2/12 | 7:48:31 PM | 0.27 | 222 | 486 | 12 |
| 8/2/12 | 7:49:31 PM | 0.27 | 222 | 487 | 12 |
| 8/2/12 | 7:50:31 PM | 0.27 | 222 | 488 | 12 |
| 8/2/12 | 7:51:31 PM | 0.27 | 223 | 487 | 12 |
| 8/2/12 | 7:52:31 PM | 0.27 | 222 | 487 | 12 |
| 8/2/12 | 7:53:31 PM | 0.27 | 222 | 487 | 12 |
| 8/2/12 | 7:54:31 PM | 0.27 | 223 | 488 | 12 |
| 8/2/12 | 7:55:31 PM | 0.27 | 224 | 489 | 12 |
| 8/2/12 | 7:56:31 PM | 0.27 | 225 | 490 | 12 |
| 8/2/12 | 7:57:31 PM | 0.27 | 226 | 491 | 12 |
| 8/2/12 | 7:58:31 PM | 0.27 | 226 | 494 | 12 |
| 8/2/12 | 7:59:31 PM | 0.27 | 226 | 495 | 12 |
| 8/2/12 | 8:00:31 PM | 0.27 | 225 | 491 | 12 |
| 8/2/12 | 8:01:31 PM | 0.27 | 225 | 492 | 12 |
| 8/2/12 | 8:02:31 PM | 0.27 | 225 | 494 | 12 |
| 8/2/12 | 8:03:31 PM | 0.27 | 225 | 493 | 12 |
| 8/2/12 | 8:04:31 PM | 0.27 | 224 | 491 | 12 |
| 8/2/12 | 8:05:31 PM | 0.27 | 225 | 492 | 12 |
| 8/2/12 | 8:06:31 PM | 0.28 | 225 | 494 | 12 |
| 8/2/12 | 8:07:31 PM | 0.27 | 225 | 494 | 12 |
| 8/2/12 | 8:08:31 PM | 0.27 | 226 | 494 | 12 |
| 8/2/12 | 8:09:31 PM | 0.27 | 226 | 496 | 12 |
| 8/2/12 | 8:10:31 PM | 0.27 | 227 | 496 | 12 |
| 8/2/12 | 8:11:31 PM | 0.27 | 228 | 496 | 12 |
| 8/2/12 | 8:12:31 PM | 0.27 | 229 | 499 | 12 |
| 8/2/12 | 8:13:31 PM | 0.27 | 229 | 500 | 12 |
| 8/2/12 | 8:14:31 PM | 0.28 | 227 | 499 | 12 |
| 8/2/12 | 8:15:31 PM | 0.28 | 226 | 495 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 8:16:31 PM | 0.28 | 225 | 493 | 12 |
| 8/2/12 | 8:17:31 PM | 0.28 | 225 | 495 | 12 |
| 8/2/12 | 8:18:31 PM | 0.27 | 225 | 492 | 12 |
| 8/2/12 | 8:19:31 PM | 0.28 | 225 | 492 | 12 |
| 8/2/12 | 8:20:31 PM | 0.27 | 225 | 492 | 12 |
| 8/2/12 | 8:21:31 PM | 0.28 | 226 | 492 | 12 |
| 8/2/12 | 8:22:31 PM | 0.28 | 226 | 491 | 12 |
| 8/2/12 | 8:23:31 PM | 0.27 | 225 | 490 | 12 |
| 8/2/12 | 8:24:31 PM | 0.28 | 225 | 490 | 12 |
| 8/2/12 | 8:25:31 PM | 0.28 | 224 | 489 | 12 |
| 8/2/12 | 8:26:31 PM | 0.28 | 225 | 490 | 12 |
| 8/2/12 | 8:27:31 PM | 0.27 | 226 | 492 | 12 |
| 8/2/12 | 8:28:31 PM | 0.27 | 226 | 493 | 12 |
| 8/2/12 | 8:29:31 PM | 0.27 | 226 | 494 | 12 |
| 8/2/12 | 8:30:31 PM | 0.27 | 226 | 493 | 12 |
| 8/2/12 | 8:31:31 PM | 0.27 | 227 | 494 | 12 |
| 8/2/12 | 8:32:31 PM | 0.27 | 228 | 497 | 12 |
| 8/2/12 | 8:33:31 PM | 0.28 | 229 | 498 | 12 |
| 8/2/12 | 8:34:31 PM | 0.27 | 229 | 500 | 12 |
| 8/2/12 | 8:35:31 PM | 0.27 | 229 | 500 | 12 |
| 8/2/12 | 8:36:31 PM | 0.27 | 229 | 501 | 12 |
| 8/2/12 | 8:37:31 PM | 0.27 | 228 | 499 | 12 |
| 8/2/12 | 8:38:31 PM | 0.27 | 228 | 500 | 12 |
| 8/2/12 | 8:39:31 PM | 0.27 | 227 | 501 | 12 |
| 8/2/12 | 8:40:31 PM | 0.27 | 227 | 501 | 12 |
| 8/2/12 | 8:41:31 PM | 0.27 | 227 | 499 | 12 |
| 8/2/12 | 8:42:31 PM | 0.27 | 226 | 499 | 12 |
| 8/2/12 | 8:43:31 PM | 0.27 | 226 | 499 | 12 |
| 8/2/12 | 8:44:31 PM | 0.27 | 226 | 498 | 12 |
| 8/2/12 | 8:45:31 PM | 0.28 | 226 | 496 | 12 |
| 8/2/12 | 8:46:31 PM | 0.28 | 226 | 496 | 12 |
| 8/2/12 | 8:47:31 PM | 0.27 | 227 | 499 | 12 |
| 8/2/12 | 8:48:31 PM | 0.27 | 227 | 499 | 12 |
| 8/2/12 | 8:49:31 PM | 0.27 | 228 | 503 | 12 |
| 8/2/12 | 8:50:31 PM | 0.28 | 228 | 506 | 12 |
| 8/2/12 | 8:51:31 PM | 0.27 | 227 | 506 | 12 |
| 8/2/12 | 8:52:31 PM | 0.28 | 228 | 505 | 12 |
| 8/2/12 | 8:53:31 PM | 0.28 | 228 | 505 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 8:54:31 PM | 0.28 | 227 | 502 | 12 |
| 8/2/12 | 8:55:31 PM | 0.28 | 228 | 503 | 12 |
| 8/2/12 | 8:56:31 PM | 0.28 | 228 | 503 | 12 |
| 8/2/12 | 8:57:31 PM | 0.28 | 229 | 506 | 12 |
| 8/2/12 | 8:58:31 PM | 0.28 | 229 | 506 | 12 |
| 8/2/12 | 8:59:31 PM | 0.28 | 229 | 506 | 12 |
| 8/2/12 | 9:00:31 PM | 0.28 | 228 | 504 | 12 |
| 8/2/12 | 9:01:31 PM | 0.28 | 227 | 503 | 12 |
| 8/2/12 | 9:02:31 PM | 0.28 | 227 | 502 | 12 |
| 8/2/12 | 9:03:31 PM | 0.28 | 227 | 499 | 12 |
| 8/2/12 | 9:04:31 PM | 0.28 | 227 | 498 | 12 |
| 8/2/12 | 9:05:31 PM | 0.28 | 227 | 497 | 12 |
| 8/2/12 | 9:06:31 PM | 0.28 | 226 | 495 | 12 |
| 8/2/12 | 9:07:31 PM | 0.28 | 226 | 494 | 12 |
| 8/2/12 | 9:08:31 PM | 0.28 | 226 | 493 | 12 |
| 8/2/12 | 9:09:31 PM | 0.28 | 226 | 492 | 12 |
| 8/2/12 | 9:10:31 PM | 0.28 | 227 | 495 | 12 |
| 8/2/12 | 9:11:31 PM | 0.28 | 227 | 495 | 12 |
| 8/2/12 | 9:12:31 PM | 0.28 | 228 | 496 | 12 |
| 8/2/12 | 9:13:31 PM | 0.28 | 229 | 497 | 12 |
| 8/2/12 | 9:14:31 PM | 0.27 | 228 | 501 | 12 |
| 8/2/12 | 9:15:31 PM | 0.27 | 229 | 503 | 12 |
| 8/2/12 | 9:16:31 PM | 0.27 | 229 | 505 | 12 |
| 8/2/12 | 9:17:31 PM | 0.27 | 229 | 502 | 12 |
| 8/2/12 | 9:18:31 PM | 0.28 | 229 | 501 | 12 |
| 8/2/12 | 9:19:31 PM | 0.28 | 229 | 500 | 12 |
| 8/2/12 | 9:20:31 PM | 0.28 | 229 | 504 | 12 |
| 8/2/12 | 9:21:31 PM | 0.28 | 230 | 507 | 12 |
| 8/2/12 | 9:22:31 PM | 0.27 | 230 | 506 | 12 |
| 8/2/12 | 9:23:31 PM | 0.27 | 229 | 506 | 12 |
| 8/2/12 | 9:24:31 PM | 0.27 | 229 | 505 | 12 |
| 8/2/12 | 9:25:31 PM | 0.28 | 230 | 506 | 12 |
| 8/2/12 | 9:26:31 PM | 0.27 | 230 | 505 | 12 |
| 8/2/12 | 9:27:31 PM | 0.27 | 230 | 504 | 12 |
| 8/2/12 | 9:28:31 PM | 0.28 | 230 | 504 | 12 |
| 8/2/12 | 9:29:31 PM | 0.27 | 229 | 505 | 12 |
| 8/2/12 | 9:30:31 PM | 0.27 | 229 | 505 | 12 |
| 8/2/12 | 9:31:31 PM | 0.28 | 229 | 505 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 9:32:31 PM | 0.28 | 229 | 505 | 12 |
| 8/2/12 | 9:33:31 PM | 0.28 | 229 | 505 | 12 |
| 8/2/12 | 9:34:31 PM | 0.28 | 229 | 506 | 12 |
| 8/2/12 | 9:35:31 PM | 0.28 | 229 | 507 | 12 |
| 8/2/12 | 9:36:31 PM | 0.28 | 229 | 514 | 12 |
| 8/2/12 | 9:37:31 PM | 0.28 | 228 | 514 | 12 |
| 8/2/12 | 9:38:31 PM | 0.28 | 229 | 512 | 12 |
| 8/2/12 | 9:39:31 PM | 0.28 | 229 | 516 | 12 |
| 8/2/12 | 9:40:31 PM | 0.28 | 229 | 513 | 12 |
| 8/2/12 | 9:41:31 PM | 0.28 | 229 | 512 | 12 |
| 8/2/12 | 9:42:31 PM | 0.28 | 229 | 511 | 12 |
| 8/2/12 | 9:43:31 PM | 0.28 | 228 | 512 | 12 |
| 8/2/12 | 9:44:31 PM | 0.28 | 228 | 511 | 12 |
| 8/2/12 | 9:45:31 PM | 0.28 | 228 | 512 | 12 |
| 8/2/12 | 9:46:31 PM | 0.28 | 228 | 512 | 12 |
| 8/2/12 | 9:47:31 PM | 0.28 | 228 | 511 | 12 |
| 8/2/12 | 9:48:31 PM | 0.28 | 229 | 512 | 12 |
| 8/2/12 | 9:49:31 PM | 0.28 | 229 | 511 | 12 |
| 8/2/12 | 9:50:31 PM | 0.28 | 229 | 512 | 12 |
| 8/2/12 | 9:51:31 PM | 0.28 | 230 | 511 | 12 |
| 8/2/12 | 9:52:31 PM | 0.28 | 230 | 511 | 12 |
| 8/2/12 | 9:53:31 PM | 0.28 | 230 | 510 | 12 |
| 8/2/12 | 9:54:31 PM | 0.28 | 230 | 510 | 12 |
| 8/2/12 | 9:55:31 PM | 0.28 | 230 | 508 | 12 |
| 8/2/12 | 9:56:31 PM | 0.28 | 230 | 509 | 12 |
| 8/2/12 | 9:57:31 PM | 0.28 | 230 | 510 | 12 |
| 8/2/12 | 9:58:31 PM | 0.28 | 230 | 510 | 12 |
| 8/2/12 | 9:59:31 PM | 0.28 | 230 | 511 | 12 |
| 8/2/12 | 10:00:31 PM | 0.28 | 230 | 511 | 12 |
| 8/2/12 | 10:01:31 PM | 0.28 | 230 | 512 | 12 |
| 8/2/12 | 10:02:31 PM | 0.28 | 230 | 510 | 12 |
| 8/2/12 | 10:03:31 PM | 0.28 | 229 | 511 | 12 |
| 8/2/12 | 10:04:31 PM | 0.28 | 230 | 512 | 12 |
| 8/2/12 | 10:05:31 PM | 0.27 | 230 | 512 | 12 |
| 8/2/12 | 10:06:31 PM | 0.28 | 230 | 511 | 12 |
| 8/2/12 | 10:07:31 PM | 0.28 | 230 | 510 | 12 |
| 8/2/12 | 10:08:31 PM | 0.28 | 230 | 510 | 12 |
| 8/2/12 | 10:09:31 PM | 0.28 | 229 | 510 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 10:10:31 PM | 0.28 | 229 | 509 | 12 |
| 8/2/12 | 10:11:31 PM | 0.28 | 228 | 507 | 12 |
| 8/2/12 | 10:12:31 PM | 0.28 | 229 | 506 | 12 |
| 8/2/12 | 10:13:31 PM | 0.28 | 230 | 508 | 12 |
| 8/2/12 | 10:14:31 PM | 0.28 | 229 | 513 | 12 |
| 8/2/12 | 10:15:31 PM | 0.28 | 228 | 512 | 12 |
| 8/2/12 | 10:16:31 PM | 0.28 | 228 | 510 | 12 |
| 8/2/12 | 10:17:31 PM | 0.28 | 227 | 509 | 12 |
| 8/2/12 | 10:18:31 PM | 0.28 | 227 | 509 | 12 |
| 8/2/12 | 10:19:31 PM | 0.28 | 228 | 509 | 12 |
| 8/2/12 | 10:20:31 PM | 0.28 | 228 | 510 | 12 |
| 8/2/12 | 10:21:31 PM | 0.28 | 228 | 508 | 12 |
| 8/2/12 | 10:22:31 PM | 0.28 | 227 | 507 | 12 |
| 8/2/12 | 10:23:31 PM | 0.28 | 227 | 506 | 12 |
| 8/2/12 | 10:24:31 PM | 0.28 | 226 | 507 | 12 |
| 8/2/12 | 10:25:31 PM | 0.28 | 226 | 507 | 12 |
| 8/2/12 | 10:26:31 PM | 0.28 | 226 | 508 | 12 |
| 8/2/12 | 10:27:31 PM | 0.28 | 225 | 507 | 12 |
| 8/2/12 | 10:28:31 PM | 0.28 | 225 | 507 | 12 |
| 8/2/12 | 10:29:31 PM | 0.28 | 225 | 507 | 12 |
| 8/2/12 | 10:30:31 PM | 0.28 | 225 | 507 | 12 |
| 8/2/12 | 10:31:31 PM | 0.28 | 225 | 507 | 12 |
| 8/2/12 | 10:32:31 PM | 0.28 | 226 | 506 | 12 |
| 8/2/12 | 10:33:31 PM | 0.28 | 226 | 509 | 12 |
| 8/2/12 | 10:34:31 PM | 0.28 | 226 | 508 | 12 |
| 8/2/12 | 10:35:31 PM | 0.28 | 226 | 507 | 12 |
| 8/2/12 | 10:36:31 PM | 0.28 | 225 | 507 | 12 |
| 8/2/12 | 10:37:31 PM | 0.28 | 225 | 507 | 12 |
| 8/2/12 | 10:38:31 PM | 0.28 | 225 | 506 | 12 |
| 8/2/12 | 10:39:31 PM | 0.28 | 225 | 505 | 12 |
| 8/2/12 | 10:40:31 PM | 0.28 | 224 | 504 | 12 |
| 8/2/12 | 10:41:31 PM | 0.28 | 224 | 503 | 12 |
| 8/2/12 | 10:42:31 PM | 0.28 | 223 | 503 | 12 |
| 8/2/12 | 10:43:31 PM | 0.28 | 224 | 502 | 12 |
| 8/2/12 | 10:44:31 PM | 0.29 | 224 | 502 | 12 |
| 8/2/12 | 10:45:31 PM | 0.28 | 224 | 502 | 12 |
| 8/2/12 | 10:46:31 PM | 0.29 | 224 | 504 | 12 |
| 8/2/12 | 10:47:31 PM | 0.28 | 225 | 504 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 10:48:31 PM | 0.28 | 225 | 503 | 12 |
| 8/2/12 | 10:49:31 PM | 0.28 | 225 | 503 | 12 |
| 8/2/12 | 10:50:31 PM | 0.28 | 225 | 502 | 12 |
| 8/2/12 | 10:51:31 PM | 0.29 | 225 | 503 | 12 |
| 8/2/12 | 10:52:31 PM | 0.29 | 224 | 504 | 12 |
| 8/2/12 | 10:53:31 PM | 0.29 | 224 | 503 | 12 |
| 8/2/12 | 10:54:31 PM | 0.29 | 223 | 503 | 12 |
| 8/2/12 | 10:55:31 PM | 0.29 | 224 | 501 | 12 |
| 8/2/12 | 10:56:31 PM | 0.29 | 224 | 501 | 12 |
| 8/2/12 | 10:57:31 PM | 0.28 | 224 | 503 | 12 |
| 8/2/12 | 10:58:31 PM | 0.28 | 225 | 502 | 12 |
| 8/2/12 | 10:59:31 PM | 0.28 | 225 | 502 | 12 |
| 8/2/12 | 11:00:31 PM | 0.28 | 225 | 502 | 12 |
| 8/2/12 | 11:01:31 PM | 0.28 | 225 | 503 | 12 |
| 8/2/12 | 11:02:31 PM | 0.28 | 226 | 501 | 12 |
| 8/2/12 | 11:03:31 PM | 0.28 | 226 | 503 | 12 |
| 8/2/12 | 11:04:31 PM | 0.28 | 227 | 503 | 12 |
| 8/2/12 | 11:05:31 PM | 0.28 | 227 | 503 | 12 |
| 8/2/12 | 11:06:31 PM | 0.28 | 228 | 505 | 12 |
| 8/2/12 | 11:07:31 PM | 0.28 | 228 | 506 | 12 |
| 8/2/12 | 11:08:31 PM | 0.28 | 228 | 506 | 12 |
| 8/2/12 | 11:09:31 PM | 0.28 | 228 | 505 | 12 |
| 8/2/12 | 11:10:31 PM | 0.28 | 227 | 504 | 12 |
| 8/2/12 | 11:11:31 PM | 0.28 | 227 | 504 | 12 |
| 8/2/12 | 11:12:31 PM | 0.28 | 227 | 504 | 12 |
| 8/2/12 | 11:13:31 PM | 0.28 | 228 | 507 | 12 |
| 8/2/12 | 11:14:31 PM | 0.28 | 228 | 504 | 12 |
| 8/2/12 | 11:15:31 PM | 0.28 | 228 | 505 | 12 |
| 8/2/12 | 11:16:31 PM | 0.28 | 228 | 505 | 12 |
| 8/2/12 | 11:17:31 PM | 0.28 | 228 | 505 | 12 |
| 8/2/12 | 11:18:31 PM | 0.28 | 227 | 505 | 12 |
| 8/2/12 | 11:19:31 PM | 0.28 | 227 | 504 | 12 |
| 8/2/12 | 11:20:31 PM | 0.28 | 227 | 503 | 12 |
| 8/2/12 | 11:21:31 PM | 0.28 | 227 | 505 | 12 |
| 8/2/12 | 11:22:31 PM | 0.29 | 227 | 507 | 12 |
| 8/2/12 | 11:23:31 PM | 0.28 | 227 | 506 | 12 |
| 8/2/12 | 11:24:31 PM | 0.28 | 227 | 505 | 12 |
| 8/2/12 | 11:25:31 PM | 0.28 | 227 | 504 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **02-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **02-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/2/12 | 11:26:31 PM | 0.28 | 227 | 503 | 12 |
| 8/2/12 | 11:27:31 PM | 0.28 | 227 | 503 | 12 |
| 8/2/12 | 11:28:31 PM | 0.28 | 228 | 502 | 12 |
| 8/2/12 | 11:29:31 PM | 0.28 | 228 | 501 | 12 |
| 8/2/12 | 11:30:31 PM | 0.28 | 228 | 502 | 12 |
| 8/2/12 | 11:31:31 PM | 0.28 | 228 | 502 | 12 |
| 8/2/12 | 11:32:31 PM | 0.28 | 228 | 501 | 12 |
| 8/2/12 | 11:33:31 PM | 0.28 | 229 | 506 | 12 |
| 8/2/12 | 11:34:31 PM | 0.28 | 229 | 505 | 12 |
| 8/2/12 | 11:35:31 PM | 0.28 | 229 | 503 | 12 |
| 8/2/12 | 11:36:31 PM | 0.28 | 229 | 503 | 12 |
| 8/2/12 | 11:37:31 PM | 0.28 | 229 | 502 | 12 |
| 8/2/12 | 11:38:31 PM | 0.28 | 229 | 502 | 12 |
| 8/2/12 | 11:39:31 PM | 0.28 | 228 | 500 | 12 |
| 8/2/12 | 11:40:31 PM | 0.28 | 229 | 499 | 12 |
| 8/2/12 | 11:41:31 PM | 0.28 | 228 | 499 | 12 |
| 8/2/12 | 11:42:31 PM | 0.28 | 229 | 499 | 12 |
| 8/2/12 | 11:43:31 PM | 0.28 | 229 | 499 | 12 |
| 8/2/12 | 11:44:31 PM | 0.28 | 229 | 498 | 12 |
| 8/2/12 | 11:45:31 PM | 0.28 | 229 | 498 | 12 |
| 8/2/12 | 11:46:31 PM | 0.28 | 228 | 498 | 12 |
| 8/2/12 | 11:47:31 PM | 0.28 | 228 | 498 | 12 |
| 8/2/12 | 11:48:31 PM | 0.28 | 228 | 498 | 12 |
| 8/2/12 | 11:49:31 PM | 0.28 | 228 | 500 | 12 |
| 8/2/12 | 11:50:31 PM | 0.28 | 229 | 502 | 12 |
| 8/2/12 | 11:51:31 PM | 0.28 | 228 | 500 | 12 |
| 8/2/12 | 11:52:31 PM | 0.28 | 228 | 499 | 12 |
| 8/2/12 | 11:53:31 PM | 0.28 | 228 | 498 | 12 |
| 8/2/12 | 11:54:31 PM | 0.28 | 228 | 498 | 12 |
| 8/2/12 | 11:55:31 PM | 0.28 | 229 | 498 | 12 |
| 8/2/12 | 11:56:31 PM | 0.28 | 229 | 499 | 12 |
| 8/2/12 | 11:57:31 PM | 0.28 | 229 | 503 | 12 |
| 8/2/12 | 11:58:31 PM | 0.28 | 229 | 504 | 12 |
| 8/2/12 | 11:59:31 PM | 0.28 | 229 | 501 | 12 |
| Averages | | 0.28 | 229 | 500 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 12:00:31 AM | 0.28 | 229 | 502 | 12 |
| 8/3/12 | 12:01:31 AM | 0.28 | 229 | 501 | 12 |
| 8/3/12 | 12:02:31 AM | 0.28 | 229 | 502 | 12 |
| 8/3/12 | 12:03:31 AM | 0.28 | 230 | 501 | 12 |
| 8/3/12 | 12:04:31 AM | 0.28 | 230 | 500 | 12 |
| 8/3/12 | 12:05:31 AM | 0.28 | 230 | 502 | 12 |
| 8/3/12 | 12:06:31 AM | 0.28 | 229 | 503 | 12 |
| 8/3/12 | 12:07:31 AM | 0.28 | 229 | 502 | 12 |
| 8/3/12 | 12:08:31 AM | 0.28 | 229 | 502 | 12 |
| 8/3/12 | 12:09:31 AM | 0.28 | 229 | 502 | 12 |
| 8/3/12 | 12:10:31 AM | 0.28 | 229 | 502 | 12 |
| 8/3/12 | 12:11:31 AM | 0.28 | 228 | 506 | 12 |
| 8/3/12 | 12:12:31 AM | 0.28 | 229 | 504 | 12 |
| 8/3/12 | 12:13:31 AM | 0.28 | 229 | 503 | 12 |
| 8/3/12 | 12:14:31 AM | 0.28 | 229 | 503 | 12 |
| 8/3/12 | 12:15:31 AM | 0.28 | 229 | 503 | 12 |
| 8/3/12 | 12:16:31 AM | 0.28 | 230 | 503 | 12 |
| 8/3/12 | 12:17:31 AM | 0.28 | 230 | 503 | 12 |
| 8/3/12 | 12:18:31 AM | 0.28 | 230 | 506 | 12 |
| 8/3/12 | 12:19:31 AM | 0.27 | 230 | 505 | 12 |
| 8/3/12 | 12:20:31 AM | 0.27 | 231 | 506 | 12 |
| 8/3/12 | 12:21:31 AM | 0.27 | 231 | 507 | 12 |
| 8/3/12 | 12:22:31 AM | 0.28 | 231 | 506 | 12 |
| 8/3/12 | 12:23:31 AM | 0.28 | 232 | 508 | 12 |
| 8/3/12 | 12:24:31 AM | 0.28 | 231 | 508 | 12 |
| 8/3/12 | 12:25:31 AM | 0.27 | 231 | 510 | 12 |
| 8/3/12 | 12:26:31 AM | 0.28 | 232 | 507 | 12 |
| 8/3/12 | 12:27:31 AM | 0.27 | 231 | 506 | 12 |
| 8/3/12 | 12:28:31 AM | 0.28 | 232 | 506 | 12 |
| 8/3/12 | 12:29:31 AM | 0.27 | 231 | 506 | 12 |
| 8/3/12 | 12:30:31 AM | 0.28 | 231 | 505 | 12 |
| 8/3/12 | 12:31:31 AM | 0.27 | 231 | 506 | 12 |
| 8/3/12 | 12:32:31 AM | 0.27 | 230 | 505 | 12 |
| 8/3/12 | 12:33:31 AM | 0.28 | 231 | 503 | 12 |
| 8/3/12 | 12:34:31 AM | 0.28 | 231 | 504 | 12 |
| 8/3/12 | 12:35:31 AM | 0.28 | 230 | 503 | 12 |
| 8/3/12 | 12:36:31 AM | 0.28 | 230 | 502 | 12 |
| 8/3/12 | 12:37:31 AM | 0.28 | 230 | 503 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/3/12 12:38:31 AM | 0.28 | 230 | 501 | 12 |
| 8/3/12 12:39:31 AM | 0.28 | 230 | 500 | 12 |
| 8/3/12 12:40:31 AM | 0.28 | 230 | 499 | 12 |
| 8/3/12 12:41:31 AM | 0.28 | 230 | 500 | 12 |
| 8/3/12 12:42:31 AM | 0.28 | 230 | 500 | 12 |
| 8/3/12 12:43:31 AM | 0.28 | 230 | 500 | 12 |
| 8/3/12 12:44:31 AM | 0.28 | 230 | 501 | 12 |
| 8/3/12 12:45:31 AM | 0.28 | 230 | 502 | 12 |
| 8/3/12 12:46:31 AM | 0.28 | 229 | 506 | 12 |
| 8/3/12 12:47:31 AM | 0.28 | 230 | 505 | 12 |
| 8/3/12 12:48:31 AM | 0.28 | 229 | 502 | 12 |
| 8/3/12 12:49:31 AM | 0.28 | 229 | 502 | 12 |
| 8/3/12 12:50:31 AM | 0.28 | 229 | 501 | 12 |
| 8/3/12 12:51:31 AM | 0.28 | 230 | 499 | 12 |
| 8/3/12 12:52:31 AM | 0.28 | 229 | 500 | 12 |
| 8/3/12 12:53:31 AM | 0.28 | 229 | 499 | 12 |
| 8/3/12 12:54:31 AM | 0.28 | 229 | 501 | 12 |
| 8/3/12 12:55:31 AM | 0.28 | 230 | 501 | 12 |
| 8/3/12 12:56:31 AM | 0.28 | 230 | 502 | 12 |
| 8/3/12 12:57:31 AM | 0.28 | 231 | 502 | 12 |
| 8/3/12 12:58:31 AM | 0.28 | 231 | 502 | 12 |
| 8/3/12 12:59:31 AM | 0.28 | 230 | 502 | 12 |
| 8/3/12 1:00:31 AM | 0.28 | 230 | 502 | 12 |
| 8/3/12 1:01:31 AM | 0.28 | 230 | 502 | 12 |
| 8/3/12 1:02:31 AM | 0.28 | 230 | 503 | 12 |
| 8/3/12 1:03:31 AM | 0.28 | 230 | 502 | 12 |
| 8/3/12 1:04:31 AM | 0.28 | 230 | 503 | 12 |
| 8/3/12 1:05:31 AM | 0.28 | 231 | 504 | 12 |
| 8/3/12 1:06:31 AM | 0.28 | 231 | 503 | 12 |
| 8/3/12 1:07:31 AM | 0.28 | 231 | 502 | 12 |
| 8/3/12 1:08:31 AM | 0.28 | 232 | 504 | 12 |
| 8/3/12 1:09:31 AM | 0.28 | 232 | 505 | 12 |
| 8/3/12 1:10:31 AM | 0.27 | 232 | 505 | 12 |
| 8/3/12 1:11:31 AM | 0.27 | 232 | 506 | 12 |
| 8/3/12 1:12:31 AM | 0.28 | 232 | 507 | 12 |
| 8/3/12 1:13:31 AM | 0.27 | 233 | 506 | 12 |
| 8/3/12 1:14:31 AM | 0.27 | 233 | 506 | 12 |
| 8/3/12 1:15:31 AM | 0.27 | 232 | 507 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 1:16:31 AM | 0.28 | 233 | 506 | 12 |
| 8/3/12 | 1:17:31 AM | 0.28 | 232 | 512 | 12 |
| 8/3/12 | 1:18:31 AM | 0.28 | 232 | 509 | 12 |
| 8/3/12 | 1:19:31 AM | 0.27 | 231 | 507 | 12 |
| 8/3/12 | 1:20:31 AM | 0.27 | 231 | 508 | 12 |
| 8/3/12 | 1:21:31 AM | 0.27 | 232 | 508 | 12 |
| 8/3/12 | 1:22:31 AM | 0.27 | 232 | 505 | 12 |
| 8/3/12 | 1:23:31 AM | 0.27 | 232 | 505 | 12 |
| 8/3/12 | 1:24:31 AM | 0.27 | 232 | 504 | 12 |
| 8/3/12 | 1:25:31 AM | 0.27 | 232 | 503 | 12 |
| 8/3/12 | 1:26:31 AM | 0.28 | 232 | 503 | 12 |
| 8/3/12 | 1:27:31 AM | 0.28 | 232 | 503 | 12 |
| 8/3/12 | 1:28:31 AM | 0.27 | 232 | 503 | 12 |
| 8/3/12 | 1:29:31 AM | 0.27 | 231 | 502 | 12 |
| 8/3/12 | 1:30:31 AM | 0.28 | 231 | 502 | 12 |
| 8/3/12 | 1:31:31 AM | 0.28 | 232 | 500 | 12 |
| 8/3/12 | 1:32:31 AM | 0.28 | 232 | 500 | 12 |
| 8/3/12 | 1:33:31 AM | 0.27 | 232 | 502 | 12 |
| 8/3/12 | 1:34:31 AM | 0.27 | 233 | 501 | 12 |
| 8/3/12 | 1:35:31 AM | 0.27 | 233 | 502 | 12 |
| 8/3/12 | 1:36:31 AM | 0.27 | 232 | 502 | 12 |
| 8/3/12 | 1:37:31 AM | 0.27 | 232 | 501 | 12 |
| 8/3/12 | 1:38:31 AM | 0.27 | 233 | 503 | 12 |
| 8/3/12 | 1:39:31 AM | 0.27 | 233 | 502 | 12 |
| 8/3/12 | 1:40:31 AM | 0.27 | 233 | 502 | 12 |
| 8/3/12 | 1:41:31 AM | 0.27 | 233 | 502 | 12 |
| 8/3/12 | 1:42:31 AM | 0.28 | 233 | 502 | 12 |
| 8/3/12 | 1:43:31 AM | 0.27 | 233 | 503 | 12 |
| 8/3/12 | 1:44:31 AM | 0.27 | 234 | 505 | 12 |
| 8/3/12 | 1:45:31 AM | 0.27 | 234 | 507 | 12 |
| 8/3/12 | 1:46:31 AM | 0.27 | 234 | 503 | 12 |
| 8/3/12 | 1:47:31 AM | 0.27 | 233 | 505 | 12 |
| 8/3/12 | 1:48:31 AM | 0.27 | 233 | 503 | 12 |
| 8/3/12 | 1:49:31 AM | 0.27 | 233 | 501 | 12 |
| 8/3/12 | 1:50:31 AM | 0.27 | 234 | 500 | 12 |
| 8/3/12 | 1:51:31 AM | 0.27 | 234 | 500 | 12 |
| 8/3/12 | 1:52:31 AM | 0.27 | 233 | 498 | 12 |
| 8/3/12 | 1:53:31 AM | 0.27 | 234 | 497 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 1:54:31 AM | 0.27 | 234 | 498 | 12 |
| 8/3/12 | 1:55:31 AM | 0.27 | 234 | 499 | 12 |
| 8/3/12 | 1:56:31 AM | 0.27 | 234 | 501 | 12 |
| 8/3/12 | 1:57:31 AM | 0.27 | 235 | 501 | 12 |
| 8/3/12 | 1:58:31 AM | 0.27 | 235 | 498 | 12 |
| 8/3/12 | 1:59:31 AM | 0.27 | 236 | 499 | 12 |
| 8/3/12 | 2:00:31 AM | 0.27 | 235 | 498 | 12 |
| 8/3/12 | 2:01:31 AM | 0.27 | 235 | 498 | 12 |
| 8/3/12 | 2:02:31 AM | 0.27 | 235 | 499 | 12 |
| 8/3/12 | 2:03:31 AM | 0.27 | 235 | 499 | 12 |
| 8/3/12 | 2:04:31 AM | 0.27 | 235 | 500 | 12 |
| 8/3/12 | 2:05:31 AM | 0.27 | 235 | 501 | 12 |
| 8/3/12 | 2:06:31 AM | 0.27 | 236 | 500 | 12 |
| 8/3/12 | 2:07:31 AM | 0.27 | 235 | 500 | 11 |
| 8/3/12 | 2:08:31 AM | 0.27 | 234 | 501 | 11 |
| 8/3/12 | 2:09:31 AM | 0.27 | 234 | 499 | 11 |
| 8/3/12 | 2:10:31 AM | 0.27 | 234 | 498 | 11 |
| 8/3/12 | 2:11:31 AM | 0.27 | 234 | 498 | 11 |
| 8/3/12 | 2:12:31 AM | 0.27 | 234 | 498 | 11 |
| 8/3/12 | 2:13:31 AM | 0.27 | 234 | 498 | 11 |
| 8/3/12 | 2:14:31 AM | 0.27 | 235 | 497 | 11 |
| 8/3/12 | 2:15:31 AM | 0.27 | 234 | 497 | 11 |
| 8/3/12 | 2:16:31 AM | 0.27 | 234 | 496 | 11 |
| 8/3/12 | 2:17:31 AM | 0.27 | 234 | 495 | 11 |
| 8/3/12 | 2:18:31 AM | 0.27 | 234 | 493 | 12 |
| 8/3/12 | 2:19:31 AM | 0.27 | 234 | 493 | 12 |
| 8/3/12 | 2:20:31 AM | 0.27 | 234 | 493 | 12 |
| 8/3/12 | 2:21:31 AM | 0.28 | 235 | 493 | 11 |
| 8/3/12 | 2:22:31 AM | 0.27 | 235 | 493 | 11 |
| 8/3/12 | 2:23:31 AM | 0.27 | 235 | 492 | 11 |
| 8/3/12 | 2:24:31 AM | 0.27 | 235 | 492 | 11 |
| 8/3/12 | 2:25:31 AM | 0.27 | 235 | 492 | 11 |
| 8/3/12 | 2:26:31 AM | 0.27 | 235 | 494 | 11 |
| 8/3/12 | 2:27:31 AM | 0.27 | 235 | 494 | 11 |
| 8/3/12 | 2:28:31 AM | 0.27 | 235 | 496 | 11 |
| 8/3/12 | 2:29:31 AM | 0.27 | 236 | 495 | 11 |
| 8/3/12 | 2:30:31 AM | 0.27 | 236 | 495 | 11 |
| 8/3/12 | 2:31:31 AM | 0.27 | 234 | 494 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 2:32:31 AM | 0.27 | 234 | 494 | 11 |
| 8/3/12 | 2:33:31 AM | 0.27 | 234 | 494 | 11 |
| 8/3/12 | 2:34:31 AM | 0.27 | 234 | 493 | 11 |
| 8/3/12 | 2:35:31 AM | 0.27 | 234 | 494 | 11 |
| 8/3/12 | 2:36:31 AM | 0.27 | 234 | 492 | 11 |
| 8/3/12 | 2:37:31 AM | 0.27 | 234 | 492 | 11 |
| 8/3/12 | 2:38:31 AM | 0.27 | 234 | 499 | 11 |
| 8/3/12 | 2:39:31 AM | 0.27 | 234 | 499 | 11 |
| 8/3/12 | 2:40:31 AM | 0.28 | 233 | 499 | 11 |
| 8/3/12 | 2:41:31 AM | 0.27 | 233 | 497 | 11 |
| 8/3/12 | 2:42:31 AM | 0.27 | 233 | 497 | 11 |
| 8/3/12 | 2:43:31 AM | 0.27 | 233 | 497 | 11 |
| 8/3/12 | 2:44:31 AM | 0.27 | 233 | 494 | 11 |
| 8/3/12 | 2:45:31 AM | 0.27 | 232 | 494 | 11 |
| 8/3/12 | 2:46:31 AM | 0.27 | 233 | 495 | 11 |
| 8/3/12 | 2:47:31 AM | 0.27 | 233 | 493 | 11 |
| 8/3/12 | 2:48:31 AM | 0.27 | 233 | 492 | 11 |
| 8/3/12 | 2:49:31 AM | 0.27 | 234 | 492 | 11 |
| 8/3/12 | 2:50:31 AM | 0.27 | 233 | 492 | 11 |
| 8/3/12 | 2:51:31 AM | 0.27 | 235 | 496 | 11 |
| 8/3/12 | 2:52:31 AM | 0.27 | 235 | 496 | 11 |
| 8/3/12 | 2:53:31 AM | 0.27 | 235 | 497 | 11 |
| 8/3/12 | 2:54:31 AM | 0.27 | 235 | 496 | 11 |
| 8/3/12 | 2:55:31 AM | 0.26 | 235 | 496 | 11 |
| 8/3/12 | 2:56:31 AM | 0.27 | 235 | 496 | 11 |
| 8/3/12 | 2:57:31 AM | 0.27 | 235 | 495 | 11 |
| 8/3/12 | 2:58:31 AM | 0.27 | 235 | 496 | 11 |
| 8/3/12 | 2:59:31 AM | 0.27 | 235 | 496 | 11 |
| 8/3/12 | 3:00:31 AM | 0.27 | 235 | 496 | 11 |
| 8/3/12 | 3:01:31 AM | 0.27 | 235 | 496 | 11 |
| 8/3/12 | 3:02:31 AM | 0.27 | 235 | 498 | 11 |
| 8/3/12 | 3:03:31 AM | 0.27 | 235 | 496 | 11 |
| 8/3/12 | 3:04:31 AM | 0.27 | 235 | 494 | 11 |
| 8/3/12 | 3:05:31 AM | 0.27 | 234 | 494 | 11 |
| 8/3/12 | 3:06:31 AM | 0.27 | 234 | 492 | 11 |
| 8/3/12 | 3:07:31 AM | 0.27 | 234 | 493 | 11 |
| 8/3/12 | 3:08:31 AM | 0.27 | 234 | 497 | 11 |
| 8/3/12 | 3:09:31 AM | 0.27 | 234 | 498 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 3:10:31 AM | 0.27 | 235 | 499 | 11 |
| 8/3/12 | 3:11:31 AM | 0.27 | 236 | 499 | 11 |
| 8/3/12 | 3:12:31 AM | 0.27 | 235 | 497 | 11 |
| 8/3/12 | 3:13:31 AM | 0.27 | 234 | 498 | 11 |
| 8/3/12 | 3:14:31 AM | 0.27 | 233 | 497 | 11 |
| 8/3/12 | 3:15:31 AM | 0.27 | 232 | 495 | 11 |
| 8/3/12 | 3:16:31 AM | 0.27 | 232 | 493 | 11 |
| 8/3/12 | 3:17:31 AM | 0.27 | 232 | 493 | 11 |
| 8/3/12 | 3:18:31 AM | 0.27 | 232 | 492 | 11 |
| 8/3/12 | 3:19:31 AM | 0.27 | 233 | 494 | 11 |
| 8/3/12 | 3:20:31 AM | 0.28 | 233 | 496 | 11 |
| 8/3/12 | 3:21:31 AM | 0.27 | 233 | 495 | 11 |
| 8/3/12 | 3:22:31 AM | 0.27 | 233 | 495 | 11 |
| 8/3/12 | 3:23:31 AM | 0.27 | 233 | 495 | 11 |
| 8/3/12 | 3:24:31 AM | 0.27 | 233 | 495 | 11 |
| 8/3/12 | 3:25:31 AM | 0.27 | 232 | 493 | 11 |
| 8/3/12 | 3:26:31 AM | 0.27 | 232 | 493 | 11 |
| 8/3/12 | 3:27:31 AM | 0.27 | 232 | 493 | 11 |
| 8/3/12 | 3:28:31 AM | 0.27 | 231 | 495 | 11 |
| 8/3/12 | 3:29:31 AM | 0.27 | 231 | 493 | 11 |
| 8/3/12 | 3:30:31 AM | 0.27 | 232 | 492 | 11 |
| 8/3/12 | 3:31:31 AM | 0.27 | 231 | 491 | 11 |
| 8/3/12 | 3:32:31 AM | 0.27 | 232 | 492 | 11 |
| 8/3/12 | 3:33:31 AM | 0.27 | 231 | 492 | 11 |
| 8/3/12 | 3:34:31 AM | 0.27 | 231 | 492 | 11 |
| 8/3/12 | 3:35:31 AM | 0.27 | 232 | 491 | 11 |
| 8/3/12 | 3:36:31 AM | 0.27 | 233 | 494 | 11 |
| 8/3/12 | 3:37:31 AM | 0.27 | 232 | 492 | 11 |
| 8/3/12 | 3:38:31 AM | 0.27 | 233 | 492 | 11 |
| 8/3/12 | 3:39:31 AM | 0.27 | 234 | 493 | 11 |
| 8/3/12 | 3:40:31 AM | 0.27 | 234 | 493 | 11 |
| 8/3/12 | 3:41:31 AM | 0.27 | 234 | 494 | 11 |
| 8/3/12 | 3:42:31 AM | 0.27 | 235 | 494 | 11 |
| 8/3/12 | 3:43:31 AM | 0.28 | 235 | 497 | 11 |
| 8/3/12 | 3:44:31 AM | 0.27 | 234 | 498 | 11 |
| 8/3/12 | 3:45:31 AM | 0.27 | 234 | 495 | 11 |
| 8/3/12 | 3:46:31 AM | 0.27 | 233 | 495 | 11 |
| 8/3/12 | 3:47:31 AM | 0.27 | 232 | 493 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 3:48:31 AM | 0.28 | 231 | 494 | 11 |
| 8/3/12 | 3:49:31 AM | 0.27 | 232 | 494 | 11 |
| 8/3/12 | 3:50:31 AM | 0.27 | 232 | 495 | 11 |
| 8/3/12 | 3:51:31 AM | 0.27 | 232 | 496 | 11 |
| 8/3/12 | 3:52:31 AM | 0.28 | 233 | 495 | 11 |
| 8/3/12 | 3:53:31 AM | 0.27 | 233 | 495 | 11 |
| 8/3/12 | 3:54:31 AM | 0.27 | 233 | 494 | 11 |
| 8/3/12 | 3:55:31 AM | 0.28 | 233 | 494 | 11 |
| 8/3/12 | 3:56:31 AM | 0.27 | 233 | 494 | 11 |
| 8/3/12 | 3:57:31 AM | 0.27 | 232 | 493 | 11 |
| 8/3/12 | 3:58:31 AM | 0.27 | 231 | 492 | 11 |
| 8/3/12 | 3:59:31 AM | 0.27 | 230 | 491 | 11 |
| 8/3/12 | 4:00:31 AM | 0.27 | 231 | 491 | 11 |
| 8/3/12 | 4:01:31 AM | 0.27 | 231 | 491 | 11 |
| 8/3/12 | 4:02:31 AM | 0.27 | 232 | 493 | 11 |
| 8/3/12 | 4:03:31 AM | 0.27 | 232 | 493 | 11 |
| 8/3/12 | 4:04:31 AM | 0.27 | 232 | 492 | 11 |
| 8/3/12 | 4:05:31 AM | 0.27 | 233 | 493 | 11 |
| 8/3/12 | 4:06:31 AM | 0.27 | 233 | 492 | 11 |
| 8/3/12 | 4:07:31 AM | 0.27 | 234 | 491 | 11 |
| 8/3/12 | 4:08:31 AM | 0.27 | 234 | 492 | 11 |
| 8/3/12 | 4:09:31 AM | 0.27 | 233 | 491 | 11 |
| 8/3/12 | 4:10:31 AM | 0.27 | 232 | 489 | 11 |
| 8/3/12 | 4:11:31 AM | 0.27 | 231 | 488 | 11 |
| 8/3/12 | 4:12:31 AM | 0.27 | 232 | 486 | 11 |
| 8/3/12 | 4:13:31 AM | 0.27 | 232 | 487 | 11 |
| 8/3/12 | 4:14:31 AM | 0.27 | 232 | 488 | 11 |
| 8/3/12 | 4:15:31 AM | 0.27 | 232 | 488 | 11 |
| 8/3/12 | 4:16:31 AM | 0.28 | 232 | 489 | 11 |
| 8/3/12 | 4:17:31 AM | 0.28 | 232 | 487 | 11 |
| 8/3/12 | 4:18:31 AM | 0.28 | 232 | 487 | 11 |
| 8/3/12 | 4:19:31 AM | 0.27 | 231 | 490 | 11 |
| 8/3/12 | 4:20:31 AM | 0.27 | 231 | 493 | 11 |
| 8/3/12 | 4:21:31 AM | 0.27 | 232 | 491 | 11 |
| 8/3/12 | 4:22:31 AM | 0.27 | 233 | 491 | 11 |
| 8/3/12 | 4:23:31 AM | 0.27 | 234 | 492 | 11 |
| 8/3/12 | 4:24:31 AM | 0.27 | 234 | 492 | 11 |
| 8/3/12 | 4:25:31 AM | 0.27 | 234 | 491 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 4:26:31 AM | 0.27 | 234 | 491 | 11 |
| 8/3/12 | 4:27:31 AM | 0.27 | 234 | 493 | 11 |
| 8/3/12 | 4:28:31 AM | 0.27 | 234 | 491 | 11 |
| 8/3/12 | 4:29:31 AM | 0.27 | 234 | 491 | 11 |
| 8/3/12 | 4:30:31 AM | 0.27 | 234 | 491 | 11 |
| 8/3/12 | 4:31:31 AM | 0.27 | 234 | 491 | 11 |
| 8/3/12 | 4:32:31 AM | 0.27 | 234 | 491 | 11 |
| 8/3/12 | 4:33:31 AM | 0.27 | 234 | 490 | 11 |
| 8/3/12 | 4:34:31 AM | 0.27 | 234 | 494 | 11 |
| 8/3/12 | 4:35:31 AM | 0.27 | 233 | 492 | 11 |
| 8/3/12 | 4:36:31 AM | 0.27 | 232 | 490 | 11 |
| 8/3/12 | 4:37:31 AM | 0.27 | 232 | 491 | 11 |
| 8/3/12 | 4:38:31 AM | 0.27 | 232 | 491 | 11 |
| 8/3/12 | 4:39:31 AM | 0.27 | 232 | 490 | 11 |
| 8/3/12 | 4:40:31 AM | 0.27 | 232 | 490 | 11 |
| 8/3/12 | 4:41:31 AM | 0.27 | 232 | 490 | 11 |
| 8/3/12 | 4:42:31 AM | 0.27 | 232 | 490 | 11 |
| 8/3/12 | 4:43:31 AM | 0.27 | 232 | 489 | 11 |
| 8/3/12 | 4:44:31 AM | 0.27 | 232 | 490 | 11 |
| 8/3/12 | 4:45:31 AM | 0.27 | 232 | 491 | 11 |
| 8/3/12 | 4:46:31 AM | 0.28 | 232 | 491 | 11 |
| 8/3/12 | 4:47:31 AM | 0.27 | 233 | 491 | 11 |
| 8/3/12 | 4:48:31 AM | 0.27 | 234 | 492 | 11 |
| 8/3/12 | 4:49:31 AM | 0.28 | 234 | 493 | 11 |
| 8/3/12 | 4:50:31 AM | 0.27 | 235 | 494 | 11 |
| 8/3/12 | 4:51:31 AM | 0.27 | 235 | 494 | 11 |
| 8/3/12 | 4:52:31 AM | 0.27 | 236 | 494 | 11 |
| 8/3/12 | 4:53:31 AM | 0.27 | 236 | 494 | 11 |
| 8/3/12 | 4:54:31 AM | 0.27 | 235 | 494 | 11 |
| 8/3/12 | 4:55:31 AM | 0.27 | 234 | 495 | 11 |
| 8/3/12 | 4:56:31 AM | 0.27 | 234 | 495 | 11 |
| 8/3/12 | 4:57:31 AM | 0.27 | 233 | 493 | 11 |
| 8/3/12 | 4:58:31 AM | 0.28 | 233 | 494 | 11 |
| 8/3/12 | 4:59:31 AM | 0.27 | 232 | 493 | 11 |
| 8/3/12 | 5:00:31 AM | 0.27 | 232 | 491 | 11 |
| 8/3/12 | 5:01:31 AM | 0.27 | 232 | 491 | 11 |
| 8/3/12 | 5:02:31 AM | 0.27 | 233 | 491 | 11 |
| 8/3/12 | 5:03:31 AM | 0.27 | 233 | 491 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 5:04:31 AM | 0.27 | 232 | 491 | 11 |
| 8/3/12 | 5:05:31 AM | 0.27 | 231 | 491 | 11 |
| 8/3/12 | 5:06:31 AM | 0.27 | 231 | 488 | 11 |
| 8/3/12 | 5:07:31 AM | 0.27 | 231 | 488 | 11 |
| 8/3/12 | 5:08:31 AM | 0.28 | 230 | 490 | 11 |
| 8/3/12 | 5:09:31 AM | 0.28 | 230 | 489 | 11 |
| 8/3/12 | 5:10:31 AM | 0.28 | 229 | 489 | 11 |
| 8/3/12 | 5:11:31 AM | 0.28 | 229 | 489 | 11 |
| 8/3/12 | 5:12:31 AM | 0.27 | 229 | 487 | 11 |
| 8/3/12 | 5:13:31 AM | 0.27 | 228 | 487 | 11 |
| 8/3/12 | 5:14:31 AM | 0.27 | 228 | 486 | 11 |
| 8/3/12 | 5:15:31 AM | 0.27 | 229 | 484 | 11 |
| 8/3/12 | 5:16:31 AM | 0.27 | 229 | 485 | 11 |
| 8/3/12 | 5:17:31 AM | 0.27 | 230 | 484 | 11 |
| 8/3/12 | 5:18:31 AM | 0.27 | 230 | 486 | 11 |
| 8/3/12 | 5:19:31 AM | 0.27 | 231 | 486 | 11 |
| 8/3/12 | 5:20:31 AM | 0.27 | 232 | 487 | 11 |
| 8/3/12 | 5:21:31 AM | 0.27 | 232 | 487 | 11 |
| 8/3/12 | 5:22:31 AM | 0.28 | 233 | 487 | 11 |
| 8/3/12 | 5:23:31 AM | 0.27 | 233 | 487 | 11 |
| 8/3/12 | 5:24:31 AM | 0.27 | 232 | 488 | 11 |
| 8/3/12 | 5:25:31 AM | 0.28 | 232 | 486 | 11 |
| 8/3/12 | 5:26:31 AM | 0.27 | 232 | 486 | 11 |
| 8/3/12 | 5:27:31 AM | 0.27 | 233 | 486 | 11 |
| 8/3/12 | 5:28:31 AM | 0.27 | 232 | 487 | 11 |
| 8/3/12 | 5:29:31 AM | 0.27 | 232 | 487 | 11 |
| 8/3/12 | 5:30:31 AM | 0.27 | 232 | 488 | 11 |
| 8/3/12 | 5:31:31 AM | 0.27 | 232 | 489 | 11 |
| 8/3/12 | 5:32:31 AM | 0.27 | 232 | 491 | 11 |
| 8/3/12 | 5:33:31 AM | 0.27 | 231 | 490 | 11 |
| 8/3/12 | 5:34:31 AM | 0.27 | 230 | 488 | 11 |
| 8/3/12 | 5:35:31 AM | 0.28 | 231 | 491 | 11 |
| 8/3/12 | 5:36:31 AM | 0.28 | 231 | 489 | 11 |
| 8/3/12 | 5:37:31 AM | 0.27 | 232 | 488 | 11 |
| 8/3/12 | 5:38:31 AM | 0.27 | 231 | 489 | 11 |
| 8/3/12 | 5:39:31 AM | 0.27 | 231 | 490 | 11 |
| 8/3/12 | 5:40:31 AM | 0.27 | 231 | 491 | 11 |
| 8/3/12 | 5:41:31 AM | 0.27 | 231 | 491 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 5:42:31 AM | 0.27 | 231 | 490 | 11 |
| 8/3/12 | 5:43:31 AM | 0.27 | 230 | 494 | 11 |
| 8/3/12 | 5:44:31 AM | 0.27 | 229 | 491 | 11 |
| 8/3/12 | 5:45:31 AM | 0.27 | 230 | 491 | 11 |
| 8/3/12 | 5:46:31 AM | 0.27 | 231 | 491 | 11 |
| 8/3/12 | 5:47:31 AM | 0.27 | 231 | 492 | 11 |
| 8/3/12 | 5:48:31 AM | 0.27 | 231 | 491 | 11 |
| 8/3/12 | 5:49:31 AM | 0.27 | 232 | 492 | 11 |
| 8/3/12 | 5:50:31 AM | 0.27 | 232 | 493 | 11 |
| 8/3/12 | 5:51:31 AM | 0.27 | 233 | 492 | 11 |
| 8/3/12 | 5:52:31 AM | 0.27 | 233 | 493 | 11 |
| 8/3/12 | 5:53:31 AM | 0.28 | 233 | 492 | 11 |
| 8/3/12 | 5:54:31 AM | 0.27 | 234 | 494 | 11 |
| 8/3/12 | 5:55:31 AM | 0.27 | 234 | 492 | 11 |
| 8/3/12 | 5:56:31 AM | 0.28 | 234 | 493 | 11 |
| 8/3/12 | 5:57:31 AM | 0.27 | 234 | 491 | 11 |
| 8/3/12 | 5:58:31 AM | 0.27 | 234 | 493 | 11 |
| 8/3/12 | 5:59:31 AM | 0.28 | 234 | 492 | 11 |
| 8/3/12 | 6:00:31 AM | 0.28 | 234 | 493 | 11 |
| 8/3/12 | 6:01:31 AM | 0.27 | 234 | 492 | 11 |
| 8/3/12 | 6:02:31 AM | 0.27 | 234 | 491 | 11 |
| 8/3/12 | 6:03:31 AM | 0.28 | 234 | 492 | 11 |
| 8/3/12 | 6:04:31 AM | 0.27 | 234 | 491 | 11 |
| 8/3/12 | 6:05:31 AM | 0.27 | 234 | 492 | 11 |
| 8/3/12 | 6:06:31 AM | 0.27 | 234 | 491 | 11 |
| 8/3/12 | 6:07:31 AM | 0.27 | 234 | 491 | 11 |
| 8/3/12 | 6:08:31 AM | 0.27 | 233 | 491 | 11 |
| 8/3/12 | 6:09:31 AM | 0.27 | 233 | 489 | 11 |
| 8/3/12 | 6:10:31 AM | 0.27 | 233 | 489 | 11 |
| 8/3/12 | 6:11:31 AM | 0.27 | 233 | 494 | 11 |
| 8/3/12 | 6:12:31 AM | 0.27 | 232 | 493 | 11 |
| 8/3/12 | 6:13:31 AM | 0.27 | 232 | 492 | 11 |
| 8/3/12 | 6:14:31 AM | 0.27 | 232 | 491 | 11 |
| 8/3/12 | 6:15:31 AM | 0.28 | 232 | 491 | 11 |
| 8/3/12 | 6:16:31 AM | 0.27 | 232 | 490 | 11 |
| 8/3/12 | 6:17:31 AM | 0.27 | 233 | 490 | 11 |
| 8/3/12 | 6:18:31 AM | 0.28 | 233 | 490 | 11 |
| 8/3/12 | 6:19:31 AM | 0.27 | 234 | 490 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 6:20:31 AM | 0.28 | 234 | 490 | 11 |
| 8/3/12 | 6:21:31 AM | 0.28 | 234 | 491 | 11 |
| 8/3/12 | 6:22:31 AM | 0.27 | 234 | 492 | 11 |
| 8/3/12 | 6:23:31 AM | 0.27 | 234 | 492 | 11 |
| 8/3/12 | 6:24:31 AM | 0.28 | 234 | 492 | 11 |
| 8/3/12 | 6:25:31 AM | 0.27 | 235 | 492 | 11 |
| 8/3/12 | 6:26:31 AM | 0.27 | 235 | 493 | 11 |
| 8/3/12 | 6:27:31 AM | 0.27 | 235 | 491 | 11 |
| 8/3/12 | 6:28:31 AM | 0.27 | 234 | 491 | 11 |
| 8/3/12 | 6:29:31 AM | 0.27 | 235 | 493 | 11 |
| 8/3/12 | 6:30:31 AM | 0.27 | 234 | 492 | 11 |
| 8/3/12 | 6:31:31 AM | 0.27 | 235 | 491 | 11 |
| 8/3/12 | 6:32:31 AM | 0.28 | 234 | 491 | 11 |
| 8/3/12 | 6:33:31 AM | 0.27 | 233 | 493 | 11 |
| 8/3/12 | 6:34:31 AM | 0.28 | 233 | 493 | 11 |
| 8/3/12 | 6:35:31 AM | 0.27 | 233 | 493 | 11 |
| 8/3/12 | 6:36:31 AM | 0.28 | 233 | 493 | 11 |
| 8/3/12 | 6:37:31 AM | 0.28 | 233 | 491 | 11 |
| 8/3/12 | 6:38:31 AM | 0.27 | 233 | 493 | 11 |
| 8/3/12 | 6:39:31 AM | 0.27 | 233 | 490 | 11 |
| 8/3/12 | 6:40:31 AM | 0.28 | 233 | 489 | 11 |
| 8/3/12 | 6:41:31 AM | 0.27 | 233 | 489 | 11 |
| 8/3/12 | 6:42:31 AM | 0.28 | 233 | 489 | 11 |
| 8/3/12 | 6:43:31 AM | 0.28 | 233 | 492 | 11 |
| 8/3/12 | 6:44:31 AM | 0.28 | 233 | 494 | 11 |
| 8/3/12 | 6:45:31 AM | 0.27 | 233 | 494 | 11 |
| 8/3/12 | 6:46:31 AM | 0.27 | 234 | 495 | 11 |
| 8/3/12 | 6:47:31 AM | 0.27 | 234 | 495 | 11 |
| 8/3/12 | 6:48:31 AM | 0.28 | 233 | 495 | 11 |
| 8/3/12 | 6:49:31 AM | 0.28 | 233 | 494 | 11 |
| 8/3/12 | 6:50:31 AM | 0.27 | 233 | 495 | 11 |
| 8/3/12 | 6:51:31 AM | 0.27 | 233 | 495 | 11 |
| 8/3/12 | 6:52:31 AM | 0.27 | 233 | 496 | 11 |
| 8/3/12 | 6:53:31 AM | 0.27 | 233 | 495 | 11 |
| 8/3/12 | 6:54:31 AM | 0.27 | 234 | 494 | 11 |
| 8/3/12 | 6:55:31 AM | 0.27 | 234 | 492 | 11 |
| 8/3/12 | 6:56:31 AM | 0.27 | 234 | 493 | 11 |
| 8/3/12 | 6:57:31 AM | 0.28 | 234 | 492 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 6:58:31 AM | 0.27 | 234 | 493 | 11 |
| 8/3/12 | 6:59:31 AM | 0.27 | 235 | 494 | 11 |
| 8/3/12 | 7:00:31 AM | 0.27 | 235 | 494 | 11 |
| 8/3/12 | 7:01:31 AM | 0.27 | 235 | 494 | 11 |
| 8/3/12 | 7:02:31 AM | 0.27 | 235 | 495 | 11 |
| 8/3/12 | 7:03:31 AM | 0.28 | 235 | 494 | 11 |
| 8/3/12 | 7:04:31 AM | 0.27 | 235 | 495 | 11 |
| 8/3/12 | 7:05:31 AM | 0.27 | 235 | 495 | 11 |
| 8/3/12 | 7:06:31 AM | 0.27 | 236 | 495 | 11 |
| 8/3/12 | 7:07:31 AM | 0.27 | 236 | 496 | 11 |
| 8/3/12 | 7:08:31 AM | 0.27 | 237 | 497 | 11 |
| 8/3/12 | 7:09:31 AM | 0.27 | 236 | 497 | 11 |
| 8/3/12 | 7:10:31 AM | 0.27 | 236 | 498 | 11 |
| 8/3/12 | 7:11:31 AM | 0.27 | 236 | 502 | 11 |
| 8/3/12 | 7:12:31 AM | 0.27 | 236 | 501 | 11 |
| 8/3/12 | 7:13:31 AM | 0.27 | 236 | 500 | 11 |
| 8/3/12 | 7:14:31 AM | 0.27 | 236 | 500 | 11 |
| 8/3/12 | 7:15:31 AM | 0.27 | 237 | 497 | 11 |
| 8/3/12 | 7:16:31 AM | 0.27 | 237 | 498 | 11 |
| 8/3/12 | 7:17:31 AM | 0.27 | 237 | 498 | 11 |
| 8/3/12 | 7:18:31 AM | 0.27 | 237 | 499 | 11 |
| 8/3/12 | 7:19:31 AM | 0.27 | 238 | 498 | 11 |
| 8/3/12 | 7:20:31 AM | 0.27 | 237 | 498 | 11 |
| 8/3/12 | 7:21:31 AM | 0.27 | 238 | 498 | 11 |
| 8/3/12 | 7:22:31 AM | 0.27 | 238 | 498 | 11 |
| 8/3/12 | 7:23:31 AM | 0.27 | 239 | 499 | 11 |
| 8/3/12 | 7:24:31 AM | 0.27 | 238 | 498 | 11 |
| 8/3/12 | 7:25:31 AM | 0.27 | 238 | 499 | 11 |
| 8/3/12 | 7:26:31 AM | 0.27 | 239 | 499 | 11 |
| 8/3/12 | 7:27:31 AM | 0.27 | 238 | 501 | 11 |
| 8/3/12 | 7:28:31 AM | 0.27 | 238 | 501 | 11 |
| 8/3/12 | 7:29:31 AM | 0.27 | 238 | 502 | 11 |
| 8/3/12 | 7:30:31 AM | 0.27 | 238 | 503 | 11 |
| 8/3/12 | 7:31:31 AM | 0.27 | 238 | 503 | 11 |
| 8/3/12 | 7:32:31 AM | 0.27 | 239 | 502 | 11 |
| 8/3/12 | 7:33:31 AM | 0.27 | 239 | 501 | 11 |
| 8/3/12 | 7:34:31 AM | 0.27 | 239 | 500 | 11 |
| 8/3/12 | 7:35:31 AM | 0.27 | 238 | 500 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 7:36:31 AM | 0.27 | 238 | 502 | 11 |
| 8/3/12 | 7:37:31 AM | 0.27 | 238 | 502 | 11 |
| 8/3/12 | 7:38:31 AM | 0.27 | 238 | 503 | 11 |
| 8/3/12 | 7:39:31 AM | 0.27 | 237 | 502 | 11 |
| 8/3/12 | 7:40:31 AM | 0.27 | 237 | 503 | 11 |
| 8/3/12 | 7:41:31 AM | 0.27 | 237 | 503 | 11 |
| 8/3/12 | 7:42:31 AM | 0.27 | 238 | 502 | 11 |
| 8/3/12 | 7:43:31 AM | 0.27 | 238 | 502 | 11 |
| 8/3/12 | 7:44:31 AM | 0.27 | 237 | 502 | 11 |
| 8/3/12 | 7:45:31 AM | 0.27 | 237 | 502 | 11 |
| 8/3/12 | 7:46:31 AM | 0.27 | 236 | 501 | 11 |
| 8/3/12 | 7:47:31 AM | 0.28 | 236 | 501 | 11 |
| 8/3/12 | 7:48:31 AM | 0.27 | 236 | 500 | 11 |
| 8/3/12 | 7:49:31 AM | 0.27 | 236 | 499 | 11 |
| 8/3/12 | 7:50:31 AM | 0.27 | 236 | 498 | 11 |
| 8/3/12 | 7:51:31 AM | 0.27 | 236 | 498 | 11 |
| 8/3/12 | 7:52:31 AM | 0.27 | 236 | 497 | 11 |
| 8/3/12 | 7:53:31 AM | 0.27 | 236 | 497 | 11 |
| 8/3/12 | 7:54:31 AM | 0.27 | 236 | 498 | 11 |
| 8/3/12 | 7:55:31 AM | 0.27 | 236 | 497 | 11 |
| 8/3/12 | 7:56:31 AM | 0.27 | 236 | 497 | 11 |
| 8/3/12 | 7:57:31 AM | 0.27 | 235 | 499 | 11 |
| 8/3/12 | 7:58:31 AM | 0.27 | 236 | 497 | 11 |
| 8/3/12 | 7:59:31 AM | 0.27 | 236 | 499 | 11 |
| 8/3/12 | 8:00:31 AM | 0.27 | 236 | 501 | 11 |
| 8/3/12 | 8:01:31 AM | 0.27 | 237 | 504 | 11 |
| 8/3/12 | 8:02:31 AM | 0.28 | 236 | 503 | 11 |
| 8/3/12 | 8:03:31 AM | 0.27 | 236 | 504 | 11 |
| 8/3/12 | 8:04:31 AM | 0.27 | 236 | 504 | 11 |
| 8/3/12 | 8:05:31 AM | 0.27 | 236 | 502 | 11 |
| 8/3/12 | 8:06:31 AM | 0.27 | 236 | 503 | 11 |
| 8/3/12 | 8:07:31 AM | 0.27 | 236 | 501 | 11 |
| 8/3/12 | 8:08:31 AM | 0.27 | 237 | 502 | 11 |
| 8/3/12 | 8:09:31 AM | 0.28 | 236 | 501 | 11 |
| 8/3/12 | 8:10:31 AM | 0.27 | 236 | 501 | 11 |
| 8/3/12 | 8:11:31 AM | 0.27 | 236 | 501 | 11 |
| 8/3/12 | 8:12:31 AM | 0.27 | 235 | 500 | 11 |
| 8/3/12 | 8:13:31 AM | 0.27 | 234 | 498 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 8:14:31 AM | 0.27 | 234 | 498 | 11 |
| 8/3/12 | 8:15:31 AM | 0.27 | 233 | 498 | 11 |
| 8/3/12 | 8:16:31 AM | 0.28 | 233 | 497 | 11 |
| 8/3/12 | 8:17:31 AM | 0.27 | 233 | 497 | 11 |
| 8/3/12 | 8:18:31 AM | 0.27 | 233 | 496 | 11 |
| 8/3/12 | 8:19:31 AM | 0.27 | 233 | 497 | 11 |
| 8/3/12 | 8:20:31 AM | 0.27 | 234 | 496 | 11 |
| 8/3/12 | 8:21:31 AM | 0.27 | 234 | 496 | 11 |
| 8/3/12 | 8:22:31 AM | 0.27 | 234 | 497 | 11 |
| 8/3/12 | 8:23:31 AM | 0.27 | 234 | 498 | 11 |
| 8/3/12 | 8:24:31 AM | 0.27 | 235 | 498 | 11 |
| 8/3/12 | 8:25:31 AM | 0.27 | 235 | 499 | 11 |
| 8/3/12 | 8:26:31 AM | 0.27 | 235 | 500 | 11 |
| 8/3/12 | 8:27:31 AM | 0.27 | 235 | 500 | 11 |
| 8/3/12 | 8:28:31 AM | 0.27 | 235 | 501 | 11 |
| 8/3/12 | 8:29:31 AM | 0.27 | 235 | 501 | 11 |
| 8/3/12 | 8:30:31 AM | 0.27 | 235 | 502 | 11 |
| 8/3/12 | 8:31:31 AM | 0.27 | 235 | 504 | 11 |
| 8/3/12 | 8:32:31 AM | 0.27 | 236 | 507 | 11 |
| 8/3/12 | 8:33:31 AM | 0.27 | 235 | 507 | 11 |
| 8/3/12 | 8:34:31 AM | 0.27 | 235 | 506 | 11 |
| 8/3/12 | 8:35:31 AM | 0.27 | 236 | 505 | 11 |
| 8/3/12 | 8:36:31 AM | 0.27 | 235 | 506 | 11 |
| 8/3/12 | 8:37:31 AM | 0.27 | 236 | 503 | 11 |
| 8/3/12 | 8:38:31 AM | 0.27 | 236 | 504 | 11 |
| 8/3/12 | 8:39:31 AM | 0.27 | 236 | 504 | 11 |
| 8/3/12 | 8:40:31 AM | 0.27 | 236 | 504 | 11 |
| 8/3/12 | 8:41:31 AM | 0.27 | 236 | 503 | 11 |
| 8/3/12 | 8:42:31 AM | 0.27 | 235 | 503 | 11 |
| 8/3/12 | 8:43:31 AM | 0.27 | 236 | 503 | 11 |
| 8/3/12 | 8:44:31 AM | 0.27 | 236 | 503 | 11 |
| 8/3/12 | 8:45:31 AM | 0.27 | 236 | 504 | 11 |
| 8/3/12 | 8:46:31 AM | 0.27 | 236 | 502 | 11 |
| 8/3/12 | 8:47:31 AM | 0.27 | 236 | 503 | 11 |
| 8/3/12 | 8:48:31 AM | 0.27 | 236 | 503 | 11 |
| 8/3/12 | 8:49:31 AM | 0.27 | 236 | 502 | 11 |
| 8/3/12 | 8:50:31 AM | 0.27 | 236 | 504 | 11 |
| 8/3/12 | 8:51:31 AM | 0.27 | 237 | 506 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 8:52:31 AM | 0.27 | 238 | 506 | 11 |
| 8/3/12 | 8:53:31 AM | 0.27 | 238 | 508 | 11 |
| 8/3/12 | 8:54:31 AM | 0.27 | 238 | 508 | 11 |
| 8/3/12 | 8:55:31 AM | 0.27 | 239 | 511 | 11 |
| 8/3/12 | 8:56:31 AM | 0.27 | 239 | 512 | 11 |
| 8/3/12 | 8:57:31 AM | 0.27 | 238 | 513 | 11 |
| 8/3/12 | 8:58:31 AM | 0.27 | 238 | 514 | 11 |
| 8/3/12 | 8:59:31 AM | 0.27 | 238 | 515 | 11 |
| 8/3/12 | 9:00:31 AM | 0.27 | 238 | 516 | 11 |
| 8/3/12 | 9:01:31 AM | 0.27 | 239 | 518 | 11 |
| 8/3/12 | 9:02:31 AM | 0.27 | 238 | 517 | 11 |
| 8/3/12 | 9:03:31 AM | 0.27 | 238 | 519 | 11 |
| 8/3/12 | 9:04:31 AM | 0.27 | 239 | 523 | 11 |
| 8/3/12 | 9:05:31 AM | 0.27 | 239 | 522 | 11 |
| 8/3/12 | 9:06:31 AM | 0.27 | 239 | 522 | 11 |
| 8/3/12 | 9:07:31 AM | 0.28 | 239 | 524 | 11 |
| 8/3/12 | 9:08:31 AM | 0.27 | 239 | 523 | 11 |
| 8/3/12 | 9:09:31 AM | 0.27 | 239 | 523 | 11 |
| 8/3/12 | 9:10:31 AM | 0.27 | 238 | 522 | 11 |
| 8/3/12 | 9:11:31 AM | 0.28 | 238 | 522 | 11 |
| 8/3/12 | 9:12:31 AM | 0.27 | 238 | 523 | 11 |
| 8/3/12 | 9:13:31 AM | 0.28 | 238 | 523 | 11 |
| 8/3/12 | 9:14:31 AM | 0.27 | 238 | 525 | 11 |
| 8/3/12 | 9:15:31 AM | 0.27 | 238 | 525 | 11 |
| 8/3/12 | 9:16:31 AM | 0.27 | 239 | 525 | 11 |
| 8/3/12 | 9:17:31 AM | 0.28 | 239 | 527 | 11 |
| 8/3/12 | 9:18:31 AM | 0.27 | 240 | 531 | 11 |
| 8/3/12 | 9:19:31 AM | 0.27 | 240 | 530 | 11 |
| 8/3/12 | 9:20:31 AM | 0.27 | 241 | 531 | 11 |
| 8/3/12 | 9:21:31 AM | 0.27 | 240 | 532 | 11 |
| 8/3/12 | 9:22:31 AM | 0.27 | 239 | 533 | 11 |
| 8/3/12 | 9:23:31 AM | 0.27 | 240 | 533 | 11 |
| 8/3/12 | 9:24:31 AM | 0.27 | 240 | 535 | 11 |
| 8/3/12 | 9:25:31 AM | 0.27 | 239 | 536 | 11 |
| 8/3/12 | 9:26:31 AM | 0.27 | 239 | 536 | 11 |
| 8/3/12 | 9:27:31 AM | 0.27 | 239 | 536 | 11 |
| 8/3/12 | 9:28:31 AM | 0.27 | 238 | 537 | 11 |
| 8/3/12 | 9:29:31 AM | 0.27 | 237 | 536 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 9:30:31 AM | 0.27 | 236 | 535 | 11 |
| 8/3/12 | 9:31:31 AM | 0.27 | 236 | 536 | 11 |
| 8/3/12 | 9:32:31 AM | 0.27 | 237 | 536 | 11 |
| 8/3/12 | 9:33:31 AM | 0.27 | 236 | 535 | 11 |
| 8/3/12 | 9:34:31 AM | 0.27 | 236 | 534 | 11 |
| 8/3/12 | 9:35:31 AM | 0.27 | 236 | 536 | 11 |
| 8/3/12 | 9:36:31 AM | 0.26 | 236 | 535 | 11 |
| 8/3/12 | 9:37:31 AM | 0.27 | 238 | 536 | 11 |
| 8/3/12 | 9:38:31 AM | 0.27 | 238 | 537 | 11 |
| 8/3/12 | 9:39:31 AM | 0.27 | 239 | 537 | 11 |
| 8/3/12 | 9:40:31 AM | 0.27 | 239 | 540 | 11 |
| 8/3/12 | 9:41:31 AM | 0.27 | 239 | 540 | 11 |
| 8/3/12 | 9:42:31 AM | 0.27 | 238 | 538 | 11 |
| 8/3/12 | 9:43:31 AM | 0.27 | 238 | 537 | 11 |
| 8/3/12 | 9:44:31 AM | 0.27 | 239 | 537 | 11 |
| 8/3/12 | 9:45:31 AM | 0.27 | 239 | 544 | 11 |
| 8/3/12 | 9:46:31 AM | 0.27 | 239 | 545 | 11 |
| 8/3/12 | 9:47:31 AM | 0.27 | 239 | 543 | 11 |
| 8/3/12 | 9:48:31 AM | 0.27 | 239 | 543 | 11 |
| 8/3/12 | 9:49:31 AM | 0.27 | 239 | 543 | 11 |
| 8/3/12 | 9:50:31 AM | 0.27 | 239 | 544 | 11 |
| 8/3/12 | 9:51:31 AM | 0.27 | 240 | 543 | 11 |
| 8/3/12 | 9:52:31 AM | 0.27 | 239 | 547 | 11 |
| 8/3/12 | 9:53:31 AM | 0.27 | 239 | 545 | 11 |
| 8/3/12 | 9:54:31 AM | 0.27 | 238 | 544 | 11 |
| 8/3/12 | 9:55:31 AM | 0.27 | 239 | 544 | 11 |
| 8/3/12 | 9:56:31 AM | 0.27 | 238 | 542 | 11 |
| 8/3/12 | 9:57:31 AM | 0.27 | 237 | 544 | 11 |
| 8/3/12 | 9:58:31 AM | 0.27 | 237 | 544 | 11 |
| 8/3/12 | 9:59:31 AM | 0.27 | 237 | 544 | 11 |
| 8/3/12 | 10:00:31 AM | 0.27 | 236 | 544 | 11 |
| 8/3/12 | 10:01:31 AM | 0.27 | 236 | 544 | 11 |
| 8/3/12 | 10:02:31 AM | 0.27 | 237 | 542 | 11 |
| 8/3/12 | 10:03:31 AM | 0.27 | 237 | 542 | 12 |
| 8/3/12 | 10:04:31 AM | 0.27 | 237 | 542 | 12 |
| 8/3/12 | 10:05:31 AM | 0.28 | 237 | 542 | 12 |
| 8/3/12 | 10:06:31 AM | 0.28 | 237 | 542 | 12 |
| 8/3/12 | 10:07:31 AM | 0.27 | 237 | 542 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 10:08:31 AM | 0.27 | 236 | 542 | 12 |
| 8/3/12 | 10:09:31 AM | 0.27 | 236 | 542 | 11 |
| 8/3/12 | 10:10:31 AM | 0.28 | 236 | 541 | 11 |
| 8/3/12 | 10:11:31 AM | 0.28 | 236 | 538 | 12 |
| 8/3/12 | 10:12:31 AM | 0.28 | 235 | 539 | 12 |
| 8/3/12 | 10:13:31 AM | 0.28 | 235 | 539 | 12 |
| 8/3/12 | 10:14:31 AM | 0.27 | 235 | 545 | 12 |
| 8/3/12 | 10:15:31 AM | 0.28 | 236 | 544 | 11 |
| 8/3/12 | 10:16:31 AM | 0.27 | 236 | 544 | 11 |
| 8/3/12 | 10:17:31 AM | 0.28 | 237 | 544 | 11 |
| 8/3/12 | 10:18:31 AM | 0.28 | 237 | 545 | 11 |
| 8/3/12 | 10:19:31 AM | 0.27 | 236 | 544 | 11 |
| 8/3/12 | 10:20:31 AM | 0.28 | 235 | 546 | 12 |
| 8/3/12 | 10:21:31 AM | 0.28 | 235 | 548 | 12 |
| 8/3/12 | 10:22:31 AM | 0.27 | 234 | 547 | 12 |
| 8/3/12 | 10:23:31 AM | 0.28 | 233 | 544 | 12 |
| 8/3/12 | 10:24:31 AM | 0.27 | 232 | 543 | 12 |
| 8/3/12 | 10:25:31 AM | 0.28 | 233 | 543 | 12 |
| 8/3/12 | 10:26:31 AM | 0.27 | 233 | 543 | 12 |
| 8/3/12 | 10:27:31 AM | 0.28 | 233 | 543 | 12 |
| 8/3/12 | 10:28:31 AM | 0.27 | 233 | 542 | 12 |
| 8/3/12 | 10:29:31 AM | 0.27 | 233 | 543 | 12 |
| 8/3/12 | 10:30:31 AM | 0.27 | 234 | 548 | 12 |
| 8/3/12 | 10:31:31 AM | 0.27 | 235 | 546 | 12 |
| 8/3/12 | 10:32:31 AM | 0.27 | 236 | 547 | 12 |
| 8/3/12 | 10:33:31 AM | 0.27 | 236 | 550 | 12 |
| 8/3/12 | 10:34:31 AM | 0.27 | 236 | 551 | 12 |
| 8/3/12 | 10:35:31 AM | 0.27 | 237 | 552 | 12 |
| 8/3/12 | 10:36:31 AM | 0.27 | 237 | 553 | 12 |
| 8/3/12 | 10:37:31 AM | 0.27 | 238 | 555 | 12 |
| 8/3/12 | 10:38:31 AM | 0.27 | 238 | 556 | 12 |
| 8/3/12 | 10:39:31 AM | 0.27 | 238 | 558 | 12 |
| 8/3/12 | 10:40:31 AM | 0.27 | 238 | 558 | 12 |
| 8/3/12 | 10:41:31 AM | 0.27 | 238 | 557 | 12 |
| 8/3/12 | 10:42:31 AM | 0.27 | 237 | 556 | 12 |
| 8/3/12 | 10:43:31 AM | 0.27 | 238 | 559 | 12 |
| 8/3/12 | 10:44:31 AM | 0.27 | 237 | 559 | 12 |
| 8/3/12 | 10:45:31 AM | 0.27 | 238 | 557 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 10:46:31 AM | 0.27 | 238 | 558 | 12 |
| 8/3/12 | 10:47:31 AM | 0.27 | 237 | 560 | 12 |
| 8/3/12 | 10:48:31 AM | 0.27 | 237 | 559 | 12 |
| 8/3/12 | 10:49:31 AM | 0.27 | 237 | 559 | 12 |
| 8/3/12 | 10:50:31 AM | 0.27 | 237 | 559 | 12 |
| 8/3/12 | 10:51:31 AM | 0.28 | 237 | 560 | 12 |
| 8/3/12 | 10:52:31 AM | 0.27 | 237 | 561 | 12 |
| 8/3/12 | 10:53:31 AM | 0.27 | 237 | 562 | 12 |
| 8/3/12 | 10:54:31 AM | 0.27 | 236 | 560 | 12 |
| 8/3/12 | 10:55:31 AM | 0.27 | 237 | 558 | 12 |
| 8/3/12 | 10:56:31 AM | 0.28 | 237 | 560 | 12 |
| 8/3/12 | 10:57:31 AM | 0.28 | 237 | 561 | 12 |
| 8/3/12 | 10:58:31 AM | 0.28 | 237 | 561 | 12 |
| 8/3/12 | 10:59:31 AM | 0.27 | 237 | 561 | 12 |
| 8/3/12 | 11:00:31 AM | 0.28 | 238 | 561 | 12 |
| 8/3/12 | 11:01:31 AM | 0.28 | 237 | 562 | 12 |
| 8/3/12 | 11:02:31 AM | 0.27 | 237 | 562 | 12 |
| 8/3/12 | 11:03:31 AM | 0.27 | 237 | 562 | 12 |
| 8/3/12 | 11:04:31 AM | 0.28 | 237 | 562 | 12 |
| 8/3/12 | 11:05:31 AM | 0.28 | 237 | 565 | 12 |
| 8/3/12 | 11:06:31 AM | 0.28 | 236 | 565 | 12 |
| 8/3/12 | 11:07:31 AM | 0.28 | 236 | 565 | 12 |
| 8/3/12 | 11:08:31 AM | 0.28 | 235 | 566 | 12 |
| 8/3/12 | 11:09:31 AM | 0.28 | 234 | 564 | 12 |
| 8/3/12 | 11:10:31 AM | 0.28 | 234 | 565 | 12 |
| 8/3/12 | 11:11:31 AM | 0.28 | 233 | 568 | 12 |
| 8/3/12 | 11:12:31 AM | 0.29 | 232 | 567 | 12 |
| 8/3/12 | 11:13:31 AM | 0.28 | 232 | 566 | 12 |
| 8/3/12 | 11:14:31 AM | 0.28 | 232 | 564 | 12 |
| 8/3/12 | 11:15:31 AM | 0.28 | 234 | 563 | 12 |
| 8/3/12 | 11:16:31 AM | 0.28 | 235 | 563 | 12 |
| 8/3/12 | 11:17:31 AM | 0.28 | 235 | 565 | 12 |
| 8/3/12 | 11:18:31 AM | 0.28 | 234 | 566 | 12 |
| 8/3/12 | 11:19:31 AM | 0.28 | 233 | 567 | 12 |
| 8/3/12 | 11:20:31 AM | 0.28 | 232 | 565 | 12 |
| 8/3/12 | 11:21:31 AM | 0.28 | 234 | 565 | 12 |
| 8/3/12 | 11:22:31 AM | 0.28 | 235 | 566 | 12 |
| 8/3/12 | 11:23:31 AM | 0.28 | 234 | 569 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 11:24:31 AM | 0.28 | 232 | 571 | 12 |
| 8/3/12 | 11:25:31 AM | 0.28 | 232 | 565 | 12 |
| 8/3/12 | 11:26:31 AM | 0.28 | 233 | 564 | 12 |
| 8/3/12 | 11:27:31 AM | 0.28 | 234 | 564 | 12 |
| 8/3/12 | 11:28:31 AM | 0.28 | 235 | 566 | 12 |
| 8/3/12 | 11:29:31 AM | 0.28 | 235 | 567 | 12 |
| 8/3/12 | 11:30:31 AM | 0.28 | 235 | 569 | 12 |
| 8/3/12 | 11:31:31 AM | 0.28 | 235 | 570 | 12 |
| 8/3/12 | 11:32:31 AM | 0.28 | 235 | 569 | 12 |
| 8/3/12 | 11:33:31 AM | 0.28 | 235 | 570 | 12 |
| 8/3/12 | 11:34:31 AM | 0.29 | 235 | 568 | 12 |
| 8/3/12 | 11:35:31 AM | 0.28 | 235 | 575 | 12 |
| 8/3/12 | 11:36:31 AM | 0.28 | 235 | 572 | 12 |
| 8/3/12 | 11:37:31 AM | 0.28 | 235 | 572 | 12 |
| 8/3/12 | 11:38:31 AM | 0.28 | 234 | 572 | 12 |
| 8/3/12 | 11:39:31 AM | 0.28 | 235 | 569 | 12 |
| 8/3/12 | 11:40:31 AM | 0.28 | 234 | 571 | 12 |
| 8/3/12 | 11:41:31 AM | 0.28 | 233 | 571 | 12 |
| 8/3/12 | 11:42:31 AM | 0.28 | 232 | 570 | 12 |
| 8/3/12 | 11:43:31 AM | 0.28 | 232 | 567 | 12 |
| 8/3/12 | 11:44:31 AM | 0.28 | 232 | 567 | 12 |
| 8/3/12 | 11:45:31 AM | 0.28 | 232 | 567 | 12 |
| 8/3/12 | 11:46:31 AM | 0.28 | 232 | 568 | 12 |
| 8/3/12 | 11:47:31 AM | 0.28 | 232 | 565 | 12 |
| 8/3/12 | 11:48:31 AM | 0.28 | 231 | 565 | 12 |
| 8/3/12 | 11:49:31 AM | 0.28 | 230 | 567 | 12 |
| 8/3/12 | 11:50:31 AM | 0.28 | 230 | 565 | 12 |
| 8/3/12 | 11:51:31 AM | 0.29 | 230 | 565 | 12 |
| 8/3/12 | 11:52:31 AM | 0.28 | 230 | 566 | 12 |
| 8/3/12 | 11:53:31 AM | 0.28 | 231 | 567 | 12 |
| 8/3/12 | 11:54:31 AM | 0.28 | 232 | 569 | 12 |
| 8/3/12 | 11:55:31 AM | 0.28 | 233 | 573 | 12 |
| 8/3/12 | 11:56:31 AM | 0.28 | 234 | 570 | 12 |
| 8/3/12 | 11:57:31 AM | 0.28 | 234 | 572 | 12 |
| 8/3/12 | 11:58:31 AM | 0.28 | 234 | 571 | 12 |
| 8/3/12 | 11:59:31 AM | 0.28 | 234 | 570 | 12 |
| 8/3/12 | 12:00:31 PM | 0.28 | 234 | 570 | 12 |
| 8/3/12 | 12:01:31 PM | 0.28 | 233 | 571 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 12:02:31 PM | 0.29 | 234 | 573 | 12 |
| 8/3/12 | 12:03:31 PM | 0.28 | 232 | 573 | 12 |
| 8/3/12 | 12:04:31 PM | 0.28 | 232 | 572 | 12 |
| 8/3/12 | 12:05:31 PM | 0.28 | 232 | 571 | 12 |
| 8/3/12 | 12:06:31 PM | 0.28 | 233 | 571 | 12 |
| 8/3/12 | 12:07:31 PM | 0.28 | 234 | 572 | 12 |
| 8/3/12 | 12:08:31 PM | 0.28 | 236 | 575 | 12 |
| 8/3/12 | 12:09:31 PM | 0.28 | 235 | 576 | 12 |
| 8/3/12 | 12:10:31 PM | 0.28 | 235 | 578 | 12 |
| 8/3/12 | 12:11:31 PM | 0.28 | 237 | 579 | 12 |
| 8/3/12 | 12:12:31 PM | 0.28 | 238 | 580 | 12 |
| 8/3/12 | 12:13:31 PM | 0.28 | 237 | 583 | 12 |
| 8/3/12 | 12:14:31 PM | 0.28 | 237 | 585 | 12 |
| 8/3/12 | 12:15:31 PM | 0.27 | 237 | 584 | 12 |
| 8/3/12 | 12:16:31 PM | 0.28 | 237 | 584 | 12 |
| 8/3/12 | 12:17:31 PM | 0.28 | 238 | 586 | 12 |
| 8/3/12 | 12:18:31 PM | 0.28 | 236 | 585 | 12 |
| 8/3/12 | 12:19:31 PM | 0.29 | 234 | 586 | 12 |
| 8/3/12 | 12:20:31 PM | 0.29 | 233 | 584 | 12 |
| 8/3/12 | 12:21:31 PM | 0.29 | 232 | 581 | 13 |
| 8/3/12 | 12:22:31 PM | 0.28 | 233 | 580 | 13 |
| 8/3/12 | 12:23:31 PM | 0.28 | 233 | 594 | 12 |
| 8/3/12 | 12:24:31 PM | 0.28 | 233 | 597 | 12 |
| 8/3/12 | 12:25:31 PM | 0.28 | 233 | 592 | 12 |
| 8/3/12 | 12:26:31 PM | 0.28 | 234 | 589 | 12 |
| 8/3/12 | 12:27:31 PM | 0.28 | 234 | 588 | 13 |
| 8/3/12 | 12:28:31 PM | 0.28 | 233 | 587 | 13 |
| 8/3/12 | 12:29:31 PM | 0.28 | 234 | 586 | 12 |
| 8/3/12 | 12:30:31 PM | 0.29 | 234 | 586 | 12 |
| 8/3/12 | 12:31:31 PM | 0.29 | 233 | 586 | 12 |
| 8/3/12 | 12:32:31 PM | 0.29 | 233 | 587 | 12 |
| 8/3/12 | 12:33:31 PM | 0.28 | 233 | 586 | 13 |
| 8/3/12 | 12:34:31 PM | 0.29 | 233 | 584 | 13 |
| 8/3/12 | 12:35:31 PM | 0.28 | 232 | 582 | 13 |
| 8/3/12 | 12:36:31 PM | 0.28 | 233 | 582 | 13 |
| 8/3/12 | 12:37:31 PM | 0.29 | 234 | 581 | 13 |
| 8/3/12 | 12:38:31 PM | 0.28 | 233 | 582 | 13 |
| 8/3/12 | 12:39:31 PM | 0.29 | 232 | 582 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 12:40:31 PM | 0.28 | 232 | 579 | 13 |
| 8/3/12 | 12:41:31 PM | 0.28 | 233 | 579 | 13 |
| 8/3/12 | 12:42:31 PM | 0.28 | 234 | 579 | 13 |
| 8/3/12 | 12:43:31 PM | 0.28 | 236 | 580 | 13 |
| 8/3/12 | 12:44:31 PM | 0.28 | 237 | 582 | 13 |
| 8/3/12 | 12:45:31 PM | 0.28 | 237 | 583 | 13 |
| 8/3/12 | 12:46:31 PM | 0.28 | 237 | 580 | 13 |
| 8/3/12 | 12:47:31 PM | 0.28 | 238 | 580 | 13 |
| 8/3/12 | 12:48:31 PM | 0.28 | 240 | 581 | 13 |
| 8/3/12 | 12:49:31 PM | 0.28 | 241 | 586 | 13 |
| 8/3/12 | 12:50:31 PM | 0.27 | 241 | 587 | 13 |
| 8/3/12 | 12:51:31 PM | 0.27 | 238 | 583 | 13 |
| 8/3/12 | 12:52:31 PM | 0.27 | 236 | 580 | 13 |
| 8/3/12 | 12:53:31 PM | 0.27 | 237 | 580 | 13 |
| 8/3/12 | 12:54:31 PM | 0.27 | 237 | 579 | 13 |
| 8/3/12 | 12:55:31 PM | 0.27 | 236 | 577 | 13 |
| 8/3/12 | 12:56:31 PM | 0.27 | 237 | 577 | 12 |
| 8/3/12 | 12:57:31 PM | 0.27 | 237 | 584 | 12 |
| 8/3/12 | 12:58:31 PM | 0.27 | 238 | 583 | 12 |
| 8/3/12 | 12:59:31 PM | 0.27 | 238 | 580 | 12 |
| 8/3/12 | 1:00:31 PM | 0.27 | 239 | 579 | 12 |
| 8/3/12 | 1:01:31 PM | 0.27 | 239 | 580 | 12 |
| 8/3/12 | 1:02:31 PM | 0.27 | 240 | 580 | 12 |
| 8/3/12 | 1:03:31 PM | 0.27 | 241 | 579 | 13 |
| 8/3/12 | 1:04:31 PM | 0.27 | 242 | 580 | 13 |
| 8/3/12 | 1:05:31 PM | 0.27 | 243 | 582 | 13 |
| 8/3/12 | 1:06:31 PM | 0.27 | 241 | 580 | 13 |
| 8/3/12 | 1:07:31 PM | 0.27 | 241 | 582 | 13 |
| 8/3/12 | 1:08:31 PM | 0.27 | 240 | 584 | 13 |
| 8/3/12 | 1:09:31 PM | 0.27 | 240 | 584 | 13 |
| 8/3/12 | 1:10:31 PM | 0.27 | 238 | 581 | 13 |
| 8/3/12 | 1:11:31 PM | 0.27 | 236 | 576 | 13 |
| 8/3/12 | 1:12:31 PM | 0.27 | 236 | 573 | 13 |
| 8/3/12 | 1:13:31 PM | 0.28 | 235 | 571 | 13 |
| 8/3/12 | 1:14:31 PM | 0.28 | 234 | 570 | 13 |
| 8/3/12 | 1:15:31 PM | 0.27 | 233 | 564 | 13 |
| 8/3/12 | 1:16:31 PM | 0.28 | 232 | 561 | 13 |
| 8/3/12 | 1:17:31 PM | 0.28 | 232 | 561 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 1:18:31 PM | 0.27 | 232 | 558 | 13 |
| 8/3/12 | 1:19:31 PM | 0.28 | 231 | 558 | 13 |
| 8/3/12 | 1:20:31 PM | 0.27 | 231 | 558 | 13 |
| 8/3/12 | 1:21:31 PM | 0.27 | 232 | 557 | 13 |
| 8/3/12 | 1:22:31 PM | 0.27 | 235 | 557 | 13 |
| 8/3/12 | 1:23:31 PM | 0.27 | 236 | 559 | 13 |
| 8/3/12 | 1:24:31 PM | 0.27 | 236 | 562 | 13 |
| 8/3/12 | 1:25:31 PM | 0.27 | 237 | 562 | 13 |
| 8/3/12 | 1:26:31 PM | 0.27 | 236 | 565 | 13 |
| 8/3/12 | 1:27:31 PM | 0.27 | 235 | 561 | 13 |
| 8/3/12 | 1:28:31 PM | 0.27 | 234 | 559 | 13 |
| 8/3/12 | 1:29:31 PM | 0.27 | 233 | 558 | 13 |
| 8/3/12 | 1:30:31 PM | 0.27 | 232 | 555 | 13 |
| 8/3/12 | 1:31:31 PM | 0.27 | 232 | 553 | 13 |
| 8/3/12 | 1:32:31 PM | 0.27 | 232 | 551 | 13 |
| 8/3/12 | 1:33:31 PM | 0.27 | 232 | 548 | 13 |
| 8/3/12 | 1:34:31 PM | 0.27 | 232 | 546 | 13 |
| 8/3/12 | 1:35:31 PM | 0.27 | 231 | 548 | 13 |
| 8/3/12 | 1:36:31 PM | 0.27 | 230 | 549 | 13 |
| 8/3/12 | 1:37:31 PM | 0.27 | 230 | 545 | 13 |
| 8/3/12 | 1:38:31 PM | 0.27 | 231 | 543 | 13 |
| 8/3/12 | 1:39:31 PM | 0.27 | 231 | 544 | 13 |
| 8/3/12 | 1:40:31 PM | 0.27 | 230 | 543 | 13 |
| 8/3/12 | 1:41:31 PM | 0.27 | 231 | 545 | 13 |
| 8/3/12 | 1:42:31 PM | 0.27 | 232 | 548 | 13 |
| 8/3/12 | 1:43:31 PM | 0.28 | 232 | 549 | 13 |
| 8/3/12 | 1:44:31 PM | 0.27 | 232 | 549 | 13 |
| 8/3/12 | 1:45:31 PM | 0.28 | 231 | 549 | 13 |
| 8/3/12 | 1:46:31 PM | 0.27 | 231 | 549 | 13 |
| 8/3/12 | 1:47:31 PM | 0.27 | 230 | 548 | 13 |
| 8/3/12 | 1:48:31 PM | 0.27 | 230 | 548 | 13 |
| 8/3/12 | 1:49:31 PM | 0.27 | 230 | 549 | 13 |
| 8/3/12 | 1:50:31 PM | 0.28 | 230 | 550 | 13 |
| 8/3/12 | 1:51:31 PM | 0.27 | 230 | 549 | 13 |
| 8/3/12 | 1:52:31 PM | 0.27 | 230 | 548 | 13 |
| 8/3/12 | 1:53:31 PM | 0.28 | 231 | 548 | 13 |
| 8/3/12 | 1:54:31 PM | 0.27 | 231 | 549 | 13 |
| 8/3/12 | 1:55:31 PM | 0.27 | 231 | 553 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 1:56:31 PM | 0.27 | 232 | 555 | 13 |
| 8/3/12 | 1:57:31 PM | 0.28 | 232 | 555 | 13 |
| 8/3/12 | 1:58:31 PM | 0.27 | 231 | 557 | 13 |
| 8/3/12 | 1:59:31 PM | 0.27 | 231 | 557 | 13 |
| 8/3/12 | 2:00:31 PM | 0.27 | 230 | 555 | 13 |
| 8/3/12 | 2:01:31 PM | 0.27 | 230 | 556 | 13 |
| 8/3/12 | 2:02:31 PM | 0.27 | 230 | 557 | 13 |
| 8/3/12 | 2:03:31 PM | 0.27 | 231 | 557 | 13 |
| 8/3/12 | 2:04:31 PM | 0.27 | 230 | 557 | 13 |
| 8/3/12 | 2:05:31 PM | 0.27 | 229 | 557 | 13 |
| 8/3/12 | 2:06:31 PM | 0.28 | 230 | 557 | 13 |
| 8/3/12 | 2:07:31 PM | 0.27 | 232 | 557 | 13 |
| 8/3/12 | 2:08:31 PM | 0.27 | 233 | 559 | 13 |
| 8/3/12 | 2:09:31 PM | 0.27 | 235 | 563 | 13 |
| 8/3/12 | 2:10:31 PM | 0.27 | 235 | 561 | 13 |
| 8/3/12 | 2:11:31 PM | 0.28 | 234 | 561 | 13 |
| 8/3/12 | 2:12:31 PM | 0.28 | 232 | 559 | 13 |
| 8/3/12 | 2:13:31 PM | 0.27 | 230 | 558 | 13 |
| 8/3/12 | 2:14:31 PM | 0.28 | 229 | 555 | 13 |
| 8/3/12 | 2:15:31 PM | 0.27 | 229 | 552 | 13 |
| 8/3/12 | 2:16:31 PM | 0.27 | 229 | 551 | 13 |
| 8/3/12 | 2:17:31 PM | 0.28 | 229 | 551 | 13 |
| 8/3/12 | 2:18:31 PM | 0.28 | 229 | 550 | 13 |
| 8/3/12 | 2:19:31 PM | 0.27 | 229 | 551 | 13 |
| 8/3/12 | 2:20:31 PM | 0.28 | 229 | 551 | 13 |
| 8/3/12 | 2:21:31 PM | 0.27 | 230 | 552 | 13 |
| 8/3/12 | 2:22:31 PM | 0.28 | 229 | 553 | 13 |
| 8/3/12 | 2:23:31 PM | 0.27 | 229 | 552 | 13 |
| 8/3/12 | 2:24:31 PM | 0.27 | 229 | 553 | 13 |
| 8/3/12 | 2:25:31 PM | 0.27 | 229 | 558 | 13 |
| 8/3/12 | 2:26:31 PM | 0.27 | 228 | 554 | 13 |
| 8/3/12 | 2:27:31 PM | 0.28 | 228 | 555 | 13 |
| 8/3/12 | 2:28:31 PM | 0.27 | 229 | 557 | 13 |
| 8/3/12 | 2:29:31 PM | 0.28 | 229 | 556 | 13 |
| 8/3/12 | 2:30:31 PM | 0.27 | 229 | 556 | 13 |
| 8/3/12 | 2:31:31 PM | 0.27 | 229 | 558 | 13 |
| 8/3/12 | 2:32:31 PM | 0.28 | 229 | 561 | 13 |
| 8/3/12 | 2:33:31 PM | 0.28 | 227 | 562 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 2:34:31 PM | 0.28 | 226 | 561 | 13 |
| 8/3/12 | 2:35:31 PM | 0.28 | 226 | 561 | 13 |
| 8/3/12 | 2:36:31 PM | 0.27 | 226 | 562 | 13 |
| 8/3/12 | 2:37:31 PM | 0.27 | 225 | 561 | 13 |
| 8/3/12 | 2:38:31 PM | 0.28 | 226 | 563 | 13 |
| 8/3/12 | 2:39:31 PM | 0.27 | 227 | 565 | 13 |
| 8/3/12 | 2:40:31 PM | 0.28 | 227 | 566 | 13 |
| 8/3/12 | 2:41:31 PM | 0.28 | 227 | 567 | 13 |
| 8/3/12 | 2:42:31 PM | 0.28 | 226 | 571 | 13 |
| 8/3/12 | 2:43:31 PM | 0.27 | 227 | 571 | 13 |
| 8/3/12 | 2:44:31 PM | 0.28 | 227 | 572 | 13 |
| 8/3/12 | 2:45:31 PM | 0.28 | 227 | 575 | 13 |
| 8/3/12 | 2:46:31 PM | 0.27 | 229 | 579 | 13 |
| 8/3/12 | 2:47:31 PM | 0.27 | 229 | 581 | 13 |
| 8/3/12 | 2:48:31 PM | 0.28 | 229 | 581 | 13 |
| 8/3/12 | 2:49:31 PM | 0.28 | 227 | 581 | 13 |
| 8/3/12 | 2:50:31 PM | 0.28 | 226 | 578 | 13 |
| 8/3/12 | 2:51:31 PM | 0.27 | 226 | 579 | 13 |
| 8/3/12 | 2:52:31 PM | 0.28 | 226 | 578 | 13 |
| 8/3/12 | 2:53:31 PM | 0.28 | 225 | 577 | 13 |
| 8/3/12 | 2:54:31 PM | 0.28 | 225 | 579 | 13 |
| 8/3/12 | 2:55:31 PM | 0.27 | 226 | 581 | 13 |
| 8/3/12 | 2:56:31 PM | 0.27 | 227 | 584 | 13 |
| 8/3/12 | 2:57:31 PM | 0.27 | 229 | 587 | 13 |
| 8/3/12 | 2:58:31 PM | 0.27 | 230 | 594 | 13 |
| 8/3/12 | 2:59:31 PM | 0.27 | 231 | 604 | 13 |
| 8/3/12 | 3:00:31 PM | 0.27 | 230 | 609 | 13 |
| 8/3/12 | 3:01:31 PM | 0.28 | 230 | 612 | 13 |
| 8/3/12 | 3:02:31 PM | 0.27 | 229 | 617 | 13 |
| 8/3/12 | 3:03:31 PM | 0.27 | 229 | 621 | 13 |
| 8/3/12 | 3:04:31 PM | 0.28 | 229 | 620 | 13 |
| 8/3/12 | 3:05:31 PM | 0.27 | 229 | 622 | 13 |
| 8/3/12 | 3:06:31 PM | 0.28 | 230 | 626 | 13 |
| 8/3/12 | 3:07:31 PM | 0.27 | 229 | 629 | 13 |
| 8/3/12 | 3:08:31 PM | 0.27 | 230 | 630 | 13 |
| 8/3/12 | 3:09:31 PM | 0.28 | 231 | 632 | 13 |
| 8/3/12 | 3:10:31 PM | 0.28 | 230 | 632 | 13 |
| 8/3/12 | 3:11:31 PM | 0.27 | 229 | 633 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 3:12:31 PM | 0.28 | 229 | 633 | 14 |
| 8/3/12 | 3:13:31 PM | 0.27 | 230 | 636 | 14 |
| 8/3/12 | 3:14:31 PM | 0.27 | 231 | 638 | 14 |
| 8/3/12 | 3:15:31 PM | 0.28 | 232 | 642 | 14 |
| 8/3/12 | 3:16:31 PM | 0.28 | 231 | 643 | 14 |
| 8/3/12 | 3:17:31 PM | 0.27 | 231 | 645 | 14 |
| 8/3/12 | 3:18:31 PM | 0.27 | 232 | 646 | 14 |
| 8/3/12 | 3:19:31 PM | 0.27 | 232 | 643 | 14 |
| 8/3/12 | 3:20:31 PM | 0.27 | 231 | 642 | 14 |
| 8/3/12 | 3:21:31 PM | 0.27 | 231 | 641 | 14 |
| 8/3/12 | 3:22:31 PM | 0.27 | 231 | 640 | 14 |
| 8/3/12 | 3:23:31 PM | 0.27 | 232 | 641 | 14 |
| 8/3/12 | 3:24:31 PM | 0.27 | 232 | 641 | 14 |
| 8/3/12 | 3:25:31 PM | 0.27 | 232 | 642 | 14 |
| 8/3/12 | 3:26:31 PM | 0.27 | 231 | 642 | 14 |
| 8/3/12 | 3:27:31 PM | 0.27 | 233 | 644 | 14 |
| 8/3/12 | 3:28:31 PM | 0.27 | 234 | 643 | 14 |
| 8/3/12 | 3:29:31 PM | 0.27 | 235 | 646 | 14 |
| 8/3/12 | 3:30:31 PM | 0.27 | 236 | 647 | 14 |
| 8/3/12 | 3:31:31 PM | 0.27 | 236 | 647 | 14 |
| 8/3/12 | 3:32:31 PM | 0.27 | 236 | 650 | 14 |
| 8/3/12 | 3:33:31 PM | 0.27 | 235 | 650 | 14 |
| 8/3/12 | 3:34:31 PM | 0.27 | 235 | 646 | 14 |
| 8/3/12 | 3:35:31 PM | 0.27 | 236 | 647 | 14 |
| 8/3/12 | 3:36:31 PM | 0.27 | 236 | 647 | 14 |
| 8/3/12 | 3:37:31 PM | 0.28 | 236 | 646 | 14 |
| 8/3/12 | 3:38:31 PM | 0.27 | 234 | 646 | 14 |
| 8/3/12 | 3:39:31 PM | 0.27 | 234 | 646 | 14 |
| 8/3/12 | 3:40:31 PM | 0.27 | 235 | 642 | 14 |
| 8/3/12 | 3:41:31 PM | 0.27 | 235 | 646 | 14 |
| 8/3/12 | 3:42:31 PM | 0.27 | 235 | 648 | 14 |
| 8/3/12 | 3:43:31 PM | 0.27 | 235 | 648 | 14 |
| 8/3/12 | 3:44:31 PM | 0.27 | 236 | 650 | 14 |
| 8/3/12 | 3:45:31 PM | 0.27 | 236 | 655 | 14 |
| 8/3/12 | 3:46:31 PM | 0.27 | 236 | 656 | 14 |
| 8/3/12 | 3:47:31 PM | 0.27 | 237 | 657 | 14 |
| 8/3/12 | 3:48:31 PM | 0.27 | 236 | 660 | 14 |
| 8/3/12 | 3:49:31 PM | 0.27 | 236 | 658 | 14 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 3:50:31 PM | 0.27 | 236 | 657 | 14 |
| 8/3/12 | 3:51:31 PM | 0.27 | 235 | 658 | 14 |
| 8/3/12 | 3:52:31 PM | 0.27 | 235 | 657 | 14 |
| 8/3/12 | 3:53:31 PM | 0.27 | 235 | 657 | 14 |
| 8/3/12 | 3:54:31 PM | 0.27 | 235 | 658 | 14 |
| 8/3/12 | 3:55:31 PM | 0.27 | 235 | 661 | 14 |
| 8/3/12 | 3:56:31 PM | 0.27 | 235 | 660 | 14 |
| 8/3/12 | 3:57:31 PM | 0.27 | 236 | 661 | 15 |
| 8/3/12 | 3:58:31 PM | 0.27 | 236 | 667 | 15 |
| 8/3/12 | 3:59:31 PM | 0.27 | 236 | 662 | 14 |
| 8/3/12 | 4:00:31 PM | 0.27 | 234 | 666 | 14 |
| 8/3/12 | 4:01:31 PM | 0.27 | 233 | 668 | 14 |
| 8/3/12 | 4:02:31 PM | 0.28 | 233 | 667 | 14 |
| 8/3/12 | 4:03:31 PM | 0.28 | 232 | 667 | 15 |
| 8/3/12 | 4:04:31 PM | 0.27 | 231 | 668 | 15 |
| 8/3/12 | 4:05:31 PM | 0.27 | 231 | 666 | 15 |
| 8/3/12 | 4:06:31 PM | 0.27 | 231 | 672 | 15 |
| 8/3/12 | 4:07:31 PM | 0.27 | 232 | 675 | 15 |
| 8/3/12 | 4:08:31 PM | 0.27 | 231 | 676 | 15 |
| 8/3/12 | 4:09:31 PM | 0.27 | 230 | 670 | 15 |
| 8/3/12 | 4:10:31 PM | 0.27 | 228 | 665 | 15 |
| 8/3/12 | 4:11:31 PM | 0.27 | 227 | 664 | 15 |
| 8/3/12 | 4:12:31 PM | 0.27 | 227 | 660 | 15 |
| 8/3/12 | 4:13:31 PM | 0.27 | 227 | 656 | 15 |
| 8/3/12 | 4:14:31 PM | 0.28 | 228 | 656 | 15 |
| 8/3/12 | 4:15:31 PM | 0.28 | 229 | 656 | 15 |
| 8/3/12 | 4:16:31 PM | 0.28 | 228 | 657 | 15 |
| 8/3/12 | 4:17:31 PM | 0.27 | 228 | 656 | 15 |
| 8/3/12 | 4:18:31 PM | 0.28 | 228 | 651 | 15 |
| 8/3/12 | 4:19:31 PM | 0.28 | 228 | 651 | 15 |
| 8/3/12 | 4:20:31 PM | 0.27 | 230 | 653 | 15 |
| 8/3/12 | 4:21:31 PM | 0.28 | 230 | 653 | 15 |
| 8/3/12 | 4:22:31 PM | 0.27 | 230 | 652 | 15 |
| 8/3/12 | 4:23:31 PM | 0.28 | 230 | 652 | 15 |
| 8/3/12 | 4:24:31 PM | 0.28 | 228 | 655 | 16 |
| 8/3/12 | 4:25:31 PM | 0.27 | 228 | 654 | 16 |
| 8/3/12 | 4:26:31 PM | 0.28 | 227 | 651 | 16 |
| 8/3/12 | 4:27:31 PM | 0.27 | 228 | 649 | 16 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 4:28:31 PM | 0.28 | 229 | 649 | 16 |
| 8/3/12 | 4:29:31 PM | 0.28 | 229 | 650 | 16 |
| 8/3/12 | 4:30:31 PM | 0.27 | 229 | 649 | 16 |
| 8/3/12 | 4:31:31 PM | 0.28 | 228 | 648 | 16 |
| 8/3/12 | 4:32:31 PM | 0.28 | 227 | 646 | 16 |
| 8/3/12 | 4:33:31 PM | 0.28 | 227 | 643 | 16 |
| 8/3/12 | 4:34:31 PM | 0.28 | 228 | 645 | 16 |
| 8/3/12 | 4:35:31 PM | 0.28 | 229 | 643 | 16 |
| 8/3/12 | 4:36:31 PM | 0.28 | 230 | 644 | 16 |
| 8/3/12 | 4:37:31 PM | 0.27 | 230 | 645 | 16 |
| 8/3/12 | 4:38:31 PM | 0.27 | 231 | 645 | 16 |
| 8/3/12 | 4:39:31 PM | 0.27 | 230 | 644 | 16 |
| 8/3/12 | 4:40:31 PM | 0.28 | 230 | 642 | 16 |
| 8/3/12 | 4:41:31 PM | 0.27 | 231 | 643 | 16 |
| 8/3/12 | 4:42:31 PM | 0.27 | 231 | 646 | 16 |
| 8/3/12 | 4:43:31 PM | 0.27 | 232 | 647 | 16 |
| 8/3/12 | 4:44:31 PM | 0.28 | 233 | 647 | 16 |
| 8/3/12 | 4:45:31 PM | 0.27 | 233 | 647 | 16 |
| 8/3/12 | 4:46:31 PM | 0.28 | 231 | 647 | 16 |
| 8/3/12 | 4:47:31 PM | 0.27 | 230 | 645 | 16 |
| 8/3/12 | 4:48:31 PM | 0.28 | 230 | 643 | 16 |
| 8/3/12 | 4:49:31 PM | 0.27 | 231 | 645 | 16 |
| 8/3/12 | 4:50:31 PM | 0.28 | 231 | 644 | 16 |
| 8/3/12 | 4:51:31 PM | 0.27 | 231 | 645 | 16 |
| 8/3/12 | 4:52:31 PM | 0.28 | 231 | 645 | 16 |
| 8/3/12 | 4:53:31 PM | 0.28 | 232 | 646 | 16 |
| 8/3/12 | 4:54:31 PM | 0.28 | 232 | 647 | 16 |
| 8/3/12 | 4:55:31 PM | 0.27 | 232 | 645 | 16 |
| 8/3/12 | 4:56:31 PM | 0.28 | 231 | 645 | 16 |
| 8/3/12 | 4:57:31 PM | 0.27 | 231 | 646 | 16 |
| 8/3/12 | 4:58:31 PM | 0.28 | 230 | 644 | 16 |
| 8/3/12 | 4:59:31 PM | 0.28 | 229 | 647 | 16 |
| 8/3/12 | 5:00:31 PM | 0.28 | 229 | 644 | 17 |
| 8/3/12 | 5:01:31 PM | 0.28 | 228 | 641 | 17 |
| 8/3/12 | 5:02:31 PM | 0.27 | 228 | 642 | 17 |
| 8/3/12 | 5:03:31 PM | 0.27 | 228 | 641 | 17 |
| 8/3/12 | 5:04:31 PM | 0.28 | 227 | 641 | 17 |
| 8/3/12 | 5:05:31 PM | 0.28 | 227 | 641 | 17 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 5:06:31 PM | 0.28 | 227 | 638 | 17 |
| 8/3/12 | 5:07:31 PM | 0.28 | 228 | 639 | 17 |
| 8/3/12 | 5:08:31 PM | 0.28 | 230 | 642 | 17 |
| 8/3/12 | 5:09:31 PM | 0.27 | 231 | 642 | 17 |
| 8/3/12 | 5:10:31 PM | 0.28 | 230 | 640 | 17 |
| 8/3/12 | 5:11:31 PM | 0.28 | 231 | 641 | 17 |
| 8/3/12 | 5:12:31 PM | 0.27 | 231 | 642 | 17 |
| 8/3/12 | 5:13:31 PM | 0.28 | 230 | 642 | 17 |
| 8/3/12 | 5:14:31 PM | 0.28 | 230 | 644 | 17 |
| 8/3/12 | 5:15:31 PM | 0.28 | 230 | 641 | 17 |
| 8/3/12 | 5:16:31 PM | 0.28 | 231 | 641 | 17 |
| 8/3/12 | 5:17:31 PM | 0.28 | 231 | 642 | 17 |
| 8/3/12 | 5:18:31 PM | 0.28 | 231 | 642 | 17 |
| 8/3/12 | 5:19:31 PM | 0.27 | 232 | 644 | 17 |
| 8/3/12 | 5:20:31 PM | 0.27 | 231 | 642 | 17 |
| 8/3/12 | 5:21:31 PM | 0.27 | 230 | 642 | 17 |
| 8/3/12 | 5:22:31 PM | 0.28 | 231 | 641 | 17 |
| 8/3/12 | 5:23:31 PM | 0.28 | 231 | 640 | 17 |
| 8/3/12 | 5:24:31 PM | 0.27 | 231 | 642 | 17 |
| 8/3/12 | 5:25:31 PM | 0.28 | 230 | 640 | 17 |
| 8/3/12 | 5:26:31 PM | 0.28 | 230 | 638 | 17 |
| 8/3/12 | 5:27:31 PM | 0.28 | 230 | 640 | 17 |
| 8/3/12 | 5:28:31 PM | 0.28 | 231 | 640 | 17 |
| 8/3/12 | 5:29:31 PM | 0.27 | 230 | 641 | 17 |
| 8/3/12 | 5:30:31 PM | 0.27 | 229 | 640 | 17 |
| 8/3/12 | 5:31:31 PM | 0.28 | 230 | 639 | 17 |
| 8/3/12 | 5:32:31 PM | 0.27 | 229 | 639 | 17 |
| 8/3/12 | 5:33:31 PM | 0.28 | 229 | 637 | 17 |
| 8/3/12 | 5:34:31 PM | 0.28 | 229 | 638 | 17 |
| 8/3/12 | 5:35:31 PM | 0.27 | 229 | 637 | 17 |
| 8/3/12 | 5:36:31 PM | 0.27 | 229 | 636 | 17 |
| 8/3/12 | 5:37:31 PM | 0.28 | 229 | 636 | 17 |
| 8/3/12 | 5:38:31 PM | 0.28 | 229 | 635 | 17 |
| 8/3/12 | 5:39:31 PM | 0.28 | 229 | 636 | 17 |
| 8/3/12 | 5:40:31 PM | 0.28 | 229 | 638 | 17 |
| 8/3/12 | 5:41:31 PM | 0.27 | 229 | 639 | 17 |
| 8/3/12 | 5:42:31 PM | 0.28 | 229 | 636 | 17 |
| 8/3/12 | 5:43:31 PM | 0.27 | 229 | 635 | 17 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 5:44:31 PM | 0.28 | 228 | 635 | 17 |
| 8/3/12 | 5:45:31 PM | 0.28 | 229 | 635 | 18 |
| 8/3/12 | 5:46:31 PM | 0.28 | 229 | 634 | 18 |
| 8/3/12 | 5:47:31 PM | 0.28 | 228 | 635 | 18 |
| 8/3/12 | 5:48:31 PM | 0.27 | 228 | 632 | 17 |
| 8/3/12 | 5:49:31 PM | 0.28 | 229 | 634 | 17 |
| 8/3/12 | 5:50:31 PM | 0.28 | 229 | 632 | 17 |
| 8/3/12 | 5:51:31 PM | 0.28 | 228 | 632 | 17 |
| 8/3/12 | 5:52:31 PM | 0.27 | 229 | 632 | 17 |
| 8/3/12 | 5:53:31 PM | 0.27 | 229 | 631 | 17 |
| 8/3/12 | 5:54:31 PM | 0.28 | 228 | 631 | 17 |
| 8/3/12 | 5:55:31 PM | 0.28 | 229 | 631 | 17 |
| 8/3/12 | 5:56:31 PM | 0.28 | 228 | 630 | 17 |
| 8/3/12 | 5:57:31 PM | 0.27 | 229 | 628 | 18 |
| 8/3/12 | 5:58:31 PM | 0.28 | 229 | 629 | 18 |
| 8/3/12 | 5:59:31 PM | 0.28 | 230 | 631 | 18 |
| 8/3/12 | 6:00:31 PM | 0.28 | 230 | 631 | 18 |
| 8/3/12 | 6:01:31 PM | 0.28 | 230 | 631 | 18 |
| 8/3/12 | 6:02:31 PM | 0.27 | 229 | 630 | 18 |
| 8/3/12 | 6:03:31 PM | 0.28 | 229 | 628 | 18 |
| 8/3/12 | 6:04:31 PM | 0.28 | 229 | 627 | 18 |
| 8/3/12 | 6:05:31 PM | 0.27 | 229 | 626 | 18 |
| 8/3/12 | 6:06:31 PM | 0.27 | 230 | 625 | 18 |
| 8/3/12 | 6:07:31 PM | 0.27 | 231 | 627 | 18 |
| 8/3/12 | 6:08:31 PM | 0.28 | 230 | 628 | 18 |
| 8/3/12 | 6:09:31 PM | 0.28 | 230 | 626 | 18 |
| 8/3/12 | 6:10:31 PM | 0.27 | 231 | 626 | 18 |
| 8/3/12 | 6:11:31 PM | 0.27 | 231 | 627 | 18 |
| 8/3/12 | 6:12:31 PM | 0.28 | 232 | 631 | 18 |
| 8/3/12 | 6:13:31 PM | 0.28 | 232 | 629 | 18 |
| 8/3/12 | 6:14:31 PM | 0.28 | 231 | 626 | 18 |
| 8/3/12 | 6:15:31 PM | 0.28 | 231 | 623 | 18 |
| 8/3/12 | 6:16:31 PM | 0.27 | 231 | 625 | 18 |
| 8/3/12 | 6:17:31 PM | 0.27 | 232 | 625 | 18 |
| 8/3/12 | 6:18:31 PM | 0.28 | 232 | 626 | 18 |
| 8/3/12 | 6:19:31 PM | 0.27 | 232 | 625 | 18 |
| 8/3/12 | 6:20:31 PM | 0.27 | 232 | 625 | 18 |
| 8/3/12 | 6:21:31 PM | 0.27 | 231 | 622 | 18 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 6:22:31 PM | 0.27 | 232 | 622 | 18 |
| 8/3/12 | 6:23:31 PM | 0.27 | 232 | 621 | 18 |
| 8/3/12 | 6:24:31 PM | 0.27 | 232 | 625 | 18 |
| 8/3/12 | 6:25:31 PM | 0.27 | 231 | 623 | 18 |
| 8/3/12 | 6:26:31 PM | 0.27 | 229 | 621 | 18 |
| 8/3/12 | 6:27:31 PM | 0.27 | 229 | 618 | 18 |
| 8/3/12 | 6:28:31 PM | 0.28 | 229 | 617 | 18 |
| 8/3/12 | 6:29:31 PM | 0.27 | 230 | 616 | 18 |
| 8/3/12 | 6:30:31 PM | 0.27 | 231 | 617 | 18 |
| 8/3/12 | 6:31:31 PM | 0.27 | 232 | 617 | 18 |
| 8/3/12 | 6:32:31 PM | 0.28 | 233 | 620 | 18 |
| 8/3/12 | 6:33:31 PM | 0.27 | 234 | 622 | 18 |
| 8/3/12 | 6:34:31 PM | 0.27 | 234 | 620 | 18 |
| 8/3/12 | 6:35:31 PM | 0.27 | 234 | 621 | 18 |
| 8/3/12 | 6:36:31 PM | 0.27 | 233 | 621 | 18 |
| 8/3/12 | 6:37:31 PM | 0.27 | 233 | 621 | 18 |
| 8/3/12 | 6:38:31 PM | 0.27 | 233 | 619 | 18 |
| 8/3/12 | 6:39:31 PM | 0.27 | 233 | 620 | 18 |
| 8/3/12 | 6:40:31 PM | 0.27 | 234 | 619 | 18 |
| 8/3/12 | 6:41:31 PM | 0.27 | 234 | 619 | 18 |
| 8/3/12 | 6:42:31 PM | 0.27 | 234 | 619 | 18 |
| 8/3/12 | 6:43:31 PM | 0.27 | 234 | 622 | 18 |
| 8/3/12 | 6:44:31 PM | 0.27 | 234 | 618 | 18 |
| 8/3/12 | 6:45:31 PM | 0.27 | 234 | 616 | 18 |
| 8/3/12 | 6:46:31 PM | 0.27 | 233 | 616 | 18 |
| 8/3/12 | 6:47:31 PM | 0.27 | 232 | 616 | 18 |
| 8/3/12 | 6:48:31 PM | 0.27 | 233 | 614 | 18 |
| 8/3/12 | 6:49:31 PM | 0.27 | 233 | 613 | 18 |
| 8/3/12 | 6:50:31 PM | 0.27 | 234 | 616 | 18 |
| 8/3/12 | 6:51:31 PM | 0.27 | 234 | 614 | 18 |
| 8/3/12 | 6:52:31 PM | 0.27 | 233 | 613 | 18 |
| 8/3/12 | 6:53:31 PM | 0.27 | 233 | 615 | 18 |
| 8/3/12 | 6:54:31 PM | 0.27 | 234 | 614 | 18 |
| 8/3/12 | 6:55:31 PM | 0.27 | 233 | 612 | 18 |
| 8/3/12 | 6:56:31 PM | 0.27 | 232 | 611 | 18 |
| 8/3/12 | 6:57:31 PM | 0.27 | 233 | 612 | 18 |
| 8/3/12 | 6:58:31 PM | 0.27 | 232 | 611 | 18 |
| 8/3/12 | 6:59:31 PM | 0.27 | 232 | 610 | 18 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 7:00:31 PM | 0.27 | 231 | 608 | 18 |
| 8/3/12 | 7:01:31 PM | 0.27 | 231 | 609 | 18 |
| 8/3/12 | 7:02:31 PM | 0.27 | 230 | 606 | 18 |
| 8/3/12 | 7:03:31 PM | 0.27 | 230 | 606 | 18 |
| 8/3/12 | 7:04:31 PM | 0.27 | 230 | 605 | 18 |
| 8/3/12 | 7:05:31 PM | 0.27 | 230 | 605 | 18 |
| 8/3/12 | 7:06:31 PM | 0.27 | 230 | 541 | 18 |
| 8/3/12 | 7:07:31 PM | Start Calibration | | | |
| 8/3/12 | 7:08:31 PM | | | | |
| 8/3/12 | 7:09:31 PM | | | | |
| 8/3/12 | 7:10:31 PM | | | | |
| 8/3/12 | 7:11:31 PM | | | | |
| 8/3/12 | 7:12:31 PM | | | | |
| 8/3/12 | 7:13:31 PM | | | | |
| 8/3/12 | 7:14:31 PM | | | | |
| 8/3/12 | 7:15:31 PM | | | | |
| 8/3/12 | 7:16:31 PM | | | | |
| 8/3/12 | 7:17:31 PM | | | | |
| 8/3/12 | 7:18:31 PM | | | | |
| 8/3/12 | 7:19:31 PM | | | | |
| 8/3/12 | 7:20:31 PM | | | | |
| 8/3/12 | 7:21:31 PM | | | | |
| 8/3/12 | 7:22:31 PM | | | | |
| 8/3/12 | 7:23:31 PM | | | | |
| 8/3/12 | 7:24:31 PM | | | | |
| 8/3/12 | 7:25:31 PM | | | | |
| 8/3/12 | 7:26:31 PM | | | | |
| 8/3/12 | 7:27:31 PM | | | | |
| 8/3/12 | 7:28:31 PM | | | | |
| 8/3/12 | 7:29:31 PM | | | | |
| 8/3/12 | 7:30:31 PM | | | | |
| 8/3/12 | 7:31:31 PM | | | | |
| 8/3/12 | 7:32:31 PM | | | | |
| 8/3/12 | 7:33:31 PM | | | | |
| 8/3/12 | 7:34:31 PM | | | | |
| 8/3/12 | 7:35:31 PM | | | | |
| 8/3/12 | 7:36:31 PM | | | | |
| 8/3/12 | 7:37:31 PM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 7:38:31 PM | | | | |
| 8/3/12 | 7:39:31 PM | | | | |
| 8/3/12 | 7:40:31 PM | | | | |
| 8/3/12 | 7:41:31 PM | | | | |
| 8/3/12 | 7:42:31 PM | | | | |
| 8/3/12 | 7:43:31 PM | | | | |
| 8/3/12 | 7:44:31 PM | | | | |
| 8/3/12 | 7:45:31 PM | | | | |
| 8/3/12 | 7:46:31 PM | | | | |
| 8/3/12 | 7:47:31 PM | | | | |
| 8/3/12 | 7:48:31 PM | | | | |
| 8/3/12 | 7:49:31 PM | | | | |
| 8/3/12 | 7:50:31 PM | | | | |
| 8/3/12 | 7:51:31 PM | | | | |
| 8/3/12 | 7:52:31 PM | | | | |
| 8/3/12 | 7:53:31 PM | | | | |
| 8/3/12 | 7:54:31 PM | | | | |
| 8/3/12 | 7:55:31 PM | | | | |
| 8/3/12 | 7:56:31 PM | | | | |
| 8/3/12 | 7:57:31 PM | | | | |
| 8/3/12 | 7:58:31 PM | | | | |
| 8/3/12 | 7:59:31 PM | | | | |
| 8/3/12 | 8:00:31 PM | | | | |
| 8/3/12 | 8:01:31 PM | | | | |
| 8/3/12 | 8:02:31 PM | | | | |
| 8/3/12 | 8:03:31 PM | | | | |
| 8/3/12 | 8:04:31 PM | | | | |
| 8/3/12 | 8:05:31 PM | | | | |
| 8/3/12 | 8:06:31 PM | | | | |
| 8/3/12 | 8:07:31 PM | | | | |
| 8/3/12 | 8:08:31 PM | | | | |
| 8/3/12 | 8:09:31 PM | | | | |
| 8/3/12 | 8:10:31 PM | | | | |
| 8/3/12 | 8:11:31 PM | | | | |
| 8/3/12 | 8:12:31 PM | | | | |
| 8/3/12 | 8:13:31 PM | | | | |
| 8/3/12 | 8:14:31 PM | End Calibration | | | |
| 8/3/12 | 8:15:31 PM | 0.27 | 232 | 438 | 18 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 8:16:31 PM | 0.27 | 232 | 463 | 18 |
| 8/3/12 | 8:17:31 PM | 0.27 | 233 | 478 | 18 |
| 8/3/12 | 8:18:31 PM | 0.27 | 232 | 489 | 18 |
| 8/3/12 | 8:19:31 PM | 0.27 | 233 | 496 | 18 |
| 8/3/12 | 8:20:31 PM | 0.27 | 232 | 502 | 18 |
| 8/3/12 | 8:21:31 PM | 0.27 | 233 | 508 | 18 |
| 8/3/12 | 8:22:31 PM | 0.27 | 233 | 511 | 18 |
| 8/3/12 | 8:23:31 PM | 0.27 | 233 | 514 | 18 |
| 8/3/12 | 8:24:31 PM | 0.27 | 233 | 517 | 18 |
| 8/3/12 | 8:25:31 PM | 0.27 | 233 | 519 | 18 |
| 8/3/12 | 8:26:31 PM | 0.27 | 233 | 520 | 18 |
| 8/3/12 | 8:27:31 PM | 0.27 | 233 | 521 | 18 |
| 8/3/12 | 8:28:31 PM | 0.27 | 233 | 524 | 18 |
| 8/3/12 | 8:29:31 PM | 0.28 | 233 | 524 | 18 |
| 8/3/12 | 8:30:31 PM | 0.27 | 233 | 525 | 18 |
| 8/3/12 | 8:31:31 PM | 0.27 | 234 | 526 | 18 |
| 8/3/12 | 8:32:31 PM | 0.27 | 235 | 529 | 18 |
| 8/3/12 | 8:33:31 PM | 0.27 | 236 | 532 | 18 |
| 8/3/12 | 8:34:31 PM | 0.27 | 236 | 532 | 18 |
| 8/3/12 | 8:35:31 PM | 0.27 | 237 | 535 | 18 |
| 8/3/12 | 8:36:31 PM | 0.27 | 237 | 538 | 18 |
| 8/3/12 | 8:37:31 PM | 0.27 | 237 | 538 | 18 |
| 8/3/12 | 8:38:31 PM | 0.27 | 237 | 540 | 18 |
| 8/3/12 | 8:39:31 PM | 0.27 | 237 | 542 | 18 |
| 8/3/12 | 8:40:31 PM | 0.27 | 237 | 543 | 18 |
| 8/3/12 | 8:41:31 PM | 0.26 | 237 | 543 | 18 |
| 8/3/12 | 8:42:31 PM | 0.27 | 237 | 542 | 18 |
| 8/3/12 | 8:43:31 PM | 0.27 | 236 | 542 | 18 |
| 8/3/12 | 8:44:31 PM | 0.27 | 236 | 544 | 18 |
| 8/3/12 | 8:45:31 PM | 0.27 | 237 | 546 | 18 |
| 8/3/12 | 8:46:31 PM | 0.27 | 237 | 545 | 18 |
| 8/3/12 | 8:47:31 PM | 0.27 | 238 | 547 | 18 |
| 8/3/12 | 8:48:31 PM | 0.27 | 238 | 548 | 18 |
| 8/3/12 | 8:49:31 PM | 0.27 | 237 | 548 | 18 |
| 8/3/12 | 8:50:31 PM | 0.28 | 234 | 547 | 18 |
| 8/3/12 | 8:51:31 PM | 0.29 | 232 | 547 | 18 |
| 8/3/12 | 8:52:31 PM | 0.30 | 230 | 546 | 18 |
| 8/3/12 | 8:53:31 PM | 0.30 | 228 | 542 | 18 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 8:54:31 PM | 0.30 | 225 | 542 | 18 |
| 8/3/12 | 8:55:31 PM | 0.30 | 224 | 539 | 18 |
| 8/3/12 | 8:56:31 PM | 0.29 | 223 | 536 | 18 |
| 8/3/12 | 8:57:31 PM | 0.29 | 223 | 532 | 18 |
| 8/3/12 | 8:58:31 PM | 0.29 | 224 | 532 | 18 |
| 8/3/12 | 8:59:31 PM | 0.29 | 224 | 533 | 18 |
| 8/3/12 | 9:00:31 PM | 0.30 | 224 | 535 | 18 |
| 8/3/12 | 9:01:31 PM | 0.29 | 225 | 535 | 18 |
| 8/3/12 | 9:02:31 PM | 0.29 | 225 | 536 | 18 |
| 8/3/12 | 9:03:31 PM | 0.29 | 225 | 537 | 18 |
| 8/3/12 | 9:04:31 PM | 0.30 | 225 | 536 | 18 |
| 8/3/12 | 9:05:31 PM | 0.30 | 225 | 536 | 18 |
| 8/3/12 | 9:06:31 PM | 0.30 | 224 | 539 | 18 |
| 8/3/12 | 9:07:31 PM | 0.30 | 223 | 538 | 18 |
| 8/3/12 | 9:08:31 PM | 0.29 | 222 | 536 | 18 |
| 8/3/12 | 9:09:31 PM | 0.29 | 223 | 535 | 18 |
| 8/3/12 | 9:10:31 PM | 0.29 | 224 | 539 | 18 |
| 8/3/12 | 9:11:31 PM | 0.30 | 223 | 543 | 17 |
| 8/3/12 | 9:12:31 PM | 0.29 | 223 | 543 | 17 |
| 8/3/12 | 9:13:31 PM | 0.29 | 223 | 542 | 17 |
| 8/3/12 | 9:14:31 PM | 0.28 | 224 | 541 | 17 |
| 8/3/12 | 9:15:31 PM | 0.28 | 226 | 543 | 17 |
| 8/3/12 | 9:16:31 PM | 0.28 | 225 | 543 | 17 |
| 8/3/12 | 9:17:31 PM | 0.29 | 220 | 541 | 17 |
| 8/3/12 | 9:18:31 PM | 0.30 | 215 | 535 | 17 |
| 8/3/12 | 9:19:31 PM | 0.29 | 215 | 531 | 17 |
| 8/3/12 | 9:20:31 PM | 0.29 | 218 | 529 | 17 |
| 8/3/12 | 9:21:31 PM | 0.29 | 220 | 532 | 17 |
| 8/3/12 | 9:22:31 PM | 0.29 | 221 | 531 | 17 |
| 8/3/12 | 9:23:31 PM | 0.29 | 221 | 532 | 17 |
| 8/3/12 | 9:24:31 PM | 0.29 | 222 | 532 | 17 |
| 8/3/12 | 9:25:31 PM | 0.29 | 223 | 532 | 17 |
| 8/3/12 | 9:26:31 PM | 0.29 | 223 | 533 | 17 |
| 8/3/12 | 9:27:31 PM | 0.29 | 223 | 533 | 17 |
| 8/3/12 | 9:28:31 PM | 0.29 | 222 | 532 | 17 |
| 8/3/12 | 9:29:31 PM | 0.29 | 223 | 534 | 17 |
| 8/3/12 | 9:30:31 PM | 0.29 | 223 | 533 | 17 |
| 8/3/12 | 9:31:31 PM | 0.28 | 224 | 533 | 17 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 9:32:31 PM | 0.28 | 225 | 535 | 17 |
| 8/3/12 | 9:33:31 PM | 0.28 | 226 | 536 | 17 |
| 8/3/12 | 9:34:31 PM | 0.28 | 227 | 536 | 17 |
| 8/3/12 | 9:35:31 PM | 0.29 | 227 | 538 | 17 |
| 8/3/12 | 9:36:31 PM | 0.29 | 227 | 538 | 17 |
| 8/3/12 | 9:37:31 PM | 0.28 | 227 | 537 | 17 |
| 8/3/12 | 9:38:31 PM | 0.28 | 228 | 542 | 17 |
| 8/3/12 | 9:39:31 PM | 0.28 | 228 | 541 | 17 |
| 8/3/12 | 9:40:31 PM | 0.28 | 228 | 540 | 17 |
| 8/3/12 | 9:41:31 PM | 0.28 | 229 | 541 | 17 |
| 8/3/12 | 9:42:31 PM | 0.28 | 229 | 540 | 17 |
| 8/3/12 | 9:43:31 PM | 0.28 | 229 | 541 | 17 |
| 8/3/12 | 9:44:31 PM | 0.28 | 229 | 541 | 17 |
| 8/3/12 | 9:45:31 PM | 0.28 | 229 | 540 | 17 |
| 8/3/12 | 9:46:31 PM | 0.28 | 228 | 541 | 17 |
| 8/3/12 | 9:47:31 PM | 0.28 | 229 | 541 | 17 |
| 8/3/12 | 9:48:31 PM | 0.28 | 230 | 542 | 17 |
| 8/3/12 | 9:49:31 PM | 0.28 | 230 | 543 | 17 |
| 8/3/12 | 9:50:31 PM | 0.28 | 229 | 543 | 17 |
| 8/3/12 | 9:51:31 PM | 0.28 | 229 | 541 | 17 |
| 8/3/12 | 9:52:31 PM | 0.28 | 228 | 542 | 17 |
| 8/3/12 | 9:53:31 PM | 0.28 | 229 | 540 | 17 |
| 8/3/12 | 9:54:31 PM | 0.28 | 229 | 542 | 17 |
| 8/3/12 | 9:55:31 PM | 0.28 | 229 | 542 | 17 |
| 8/3/12 | 9:56:31 PM | 0.28 | 229 | 541 | 17 |
| 8/3/12 | 9:57:31 PM | 0.28 | 230 | 542 | 17 |
| 8/3/12 | 9:58:31 PM | 0.28 | 231 | 544 | 17 |
| 8/3/12 | 9:59:31 PM | 0.28 | 231 | 545 | 17 |
| 8/3/12 | 10:00:31 PM | 0.28 | 232 | 542 | 17 |
| 8/3/12 | 10:01:31 PM | 0.28 | 232 | 543 | 17 |
| 8/3/12 | 10:02:31 PM | 0.28 | 232 | 545 | 17 |
| 8/3/12 | 10:03:31 PM | 0.28 | 231 | 544 | 17 |
| 8/3/12 | 10:04:31 PM | 0.28 | 231 | 545 | 17 |
| 8/3/12 | 10:05:31 PM | 0.28 | 232 | 545 | 17 |
| 8/3/12 | 10:06:31 PM | 0.28 | 232 | 549 | 17 |
| 8/3/12 | 10:07:31 PM | 0.28 | 231 | 550 | 17 |
| 8/3/12 | 10:08:31 PM | 0.28 | 231 | 546 | 17 |
| 8/3/12 | 10:09:31 PM | 0.28 | 231 | 544 | 17 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 10:10:31 PM | 0.28 | 230 | 541 | 17 |
| 8/3/12 | 10:11:31 PM | 0.28 | 230 | 542 | 17 |
| 8/3/12 | 10:12:31 PM | 0.28 | 231 | 542 | 17 |
| 8/3/12 | 10:13:31 PM | 0.27 | 232 | 543 | 17 |
| 8/3/12 | 10:14:31 PM | 0.28 | 232 | 544 | 17 |
| 8/3/12 | 10:15:31 PM | 0.28 | 232 | 544 | 17 |
| 8/3/12 | 10:16:31 PM | 0.27 | 233 | 544 | 17 |
| 8/3/12 | 10:17:31 PM | 0.27 | 232 | 544 | 17 |
| 8/3/12 | 10:18:31 PM | 0.28 | 233 | 545 | 17 |
| 8/3/12 | 10:19:31 PM | 0.27 | 233 | 546 | 17 |
| 8/3/12 | 10:20:31 PM | 0.27 | 233 | 546 | 17 |
| 8/3/12 | 10:21:31 PM | 0.28 | 233 | 545 | 17 |
| 8/3/12 | 10:22:31 PM | 0.27 | 233 | 546 | 17 |
| 8/3/12 | 10:23:31 PM | 0.27 | 233 | 546 | 17 |
| 8/3/12 | 10:24:31 PM | 0.28 | 233 | 547 | 17 |
| 8/3/12 | 10:25:31 PM | 0.27 | 233 | 547 | 17 |
| 8/3/12 | 10:26:31 PM | 0.27 | 234 | 548 | 17 |
| 8/3/12 | 10:27:31 PM | 0.27 | 234 | 549 | 17 |
| 8/3/12 | 10:28:31 PM | 0.27 | 235 | 549 | 17 |
| 8/3/12 | 10:29:31 PM | 0.27 | 235 | 548 | 17 |
| 8/3/12 | 10:30:31 PM | 0.27 | 235 | 546 | 17 |
| 8/3/12 | 10:31:31 PM | 0.27 | 235 | 547 | 17 |
| 8/3/12 | 10:32:31 PM | 0.28 | 235 | 547 | 17 |
| 8/3/12 | 10:33:31 PM | 0.28 | 235 | 548 | 17 |
| 8/3/12 | 10:34:31 PM | 0.27 | 235 | 548 | 17 |
| 8/3/12 | 10:35:31 PM | 0.27 | 235 | 548 | 17 |
| 8/3/12 | 10:36:31 PM | 0.27 | 235 | 550 | 17 |
| 8/3/12 | 10:37:31 PM | 0.27 | 236 | 551 | 17 |
| 8/3/12 | 10:38:31 PM | 0.28 | 235 | 551 | 17 |
| 8/3/12 | 10:39:31 PM | 0.27 | 235 | 552 | 17 |
| 8/3/12 | 10:40:31 PM | 0.27 | 235 | 552 | 17 |
| 8/3/12 | 10:41:31 PM | 0.27 | 235 | 552 | 17 |
| 8/3/12 | 10:42:31 PM | 0.28 | 235 | 552 | 17 |
| 8/3/12 | 10:43:31 PM | 0.27 | 234 | 552 | 17 |
| 8/3/12 | 10:44:31 PM | 0.27 | 235 | 551 | 17 |
| 8/3/12 | 10:45:31 PM | 0.27 | 235 | 551 | 17 |
| 8/3/12 | 10:46:31 PM | 0.27 | 235 | 551 | 17 |
| 8/3/12 | 10:47:31 PM | 0.27 | 235 | 552 | 17 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 10:48:31 PM | 0.27 | 235 | 550 | 17 |
| 8/3/12 | 10:49:31 PM | 0.27 | 234 | 550 | 17 |
| 8/3/12 | 10:50:31 PM | 0.27 | 234 | 550 | 17 |
| 8/3/12 | 10:51:31 PM | 0.27 | 234 | 549 | 17 |
| 8/3/12 | 10:52:31 PM | 0.27 | 234 | 547 | 17 |
| 8/3/12 | 10:53:31 PM | 0.27 | 234 | 548 | 17 |
| 8/3/12 | 10:54:31 PM | 0.27 | 234 | 550 | 17 |
| 8/3/12 | 10:55:31 PM | 0.27 | 234 | 550 | 17 |
| 8/3/12 | 10:56:31 PM | 0.27 | 234 | 548 | 17 |
| 8/3/12 | 10:57:31 PM | 0.27 | 235 | 548 | 16 |
| 8/3/12 | 10:58:31 PM | 0.27 | 235 | 550 | 16 |
| 8/3/12 | 10:59:31 PM | 0.27 | 235 | 550 | 16 |
| 8/3/12 | 11:00:31 PM | 0.27 | 236 | 550 | 17 |
| 8/3/12 | 11:01:31 PM | 0.26 | 235 | 549 | 17 |
| 8/3/12 | 11:02:31 PM | 0.27 | 236 | 549 | 16 |
| 8/3/12 | 11:03:31 PM | 0.27 | 236 | 555 | 16 |
| 8/3/12 | 11:04:31 PM | 0.27 | 236 | 555 | 16 |
| 8/3/12 | 11:05:31 PM | 0.27 | 236 | 553 | 16 |
| 8/3/12 | 11:06:31 PM | 0.26 | 236 | 552 | 16 |
| 8/3/12 | 11:07:31 PM | 0.27 | 236 | 551 | 16 |
| 8/3/12 | 11:08:31 PM | 0.27 | 236 | 551 | 16 |
| 8/3/12 | 11:09:31 PM | 0.27 | 236 | 550 | 16 |
| 8/3/12 | 11:10:31 PM | 0.27 | 236 | 550 | 16 |
| 8/3/12 | 11:11:31 PM | 0.27 | 235 | 549 | 16 |
| 8/3/12 | 11:12:31 PM | 0.27 | 235 | 547 | 16 |
| 8/3/12 | 11:13:31 PM | 0.27 | 235 | 547 | 16 |
| 8/3/12 | 11:14:31 PM | 0.26 | 235 | 546 | 16 |
| 8/3/12 | 11:15:31 PM | 0.27 | 234 | 545 | 16 |
| 8/3/12 | 11:16:31 PM | 0.27 | 235 | 545 | 16 |
| 8/3/12 | 11:17:31 PM | 0.27 | 234 | 545 | 16 |
| 8/3/12 | 11:18:31 PM | 0.27 | 234 | 545 | 16 |
| 8/3/12 | 11:19:31 PM | 0.27 | 234 | 545 | 16 |
| 8/3/12 | 11:20:31 PM | 0.27 | 234 | 544 | 16 |
| 8/3/12 | 11:21:31 PM | 0.27 | 234 | 543 | 16 |
| 8/3/12 | 11:22:31 PM | 0.27 | 233 | 543 | 16 |
| 8/3/12 | 11:23:31 PM | 0.27 | 232 | 541 | 16 |
| 8/3/12 | 11:24:31 PM | 0.27 | 232 | 539 | 16 |
| 8/3/12 | 11:25:31 PM | 0.27 | 232 | 538 | 16 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **03-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **03-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/3/12 | 11:26:31 PM | 0.27 | 232 | 543 | 16 |
| 8/3/12 | 11:27:31 PM | 0.27 | 233 | 544 | 16 |
| 8/3/12 | 11:28:31 PM | 0.27 | 234 | 544 | 16 |
| 8/3/12 | 11:29:31 PM | 0.27 | 235 | 543 | 16 |
| 8/3/12 | 11:30:31 PM | 0.27 | 235 | 542 | 16 |
| 8/3/12 | 11:31:31 PM | 0.27 | 236 | 543 | 16 |
| 8/3/12 | 11:32:31 PM | 0.27 | 235 | 543 | 16 |
| 8/3/12 | 11:33:31 PM | 0.27 | 234 | 543 | 16 |
| 8/3/12 | 11:34:31 PM | 0.27 | 233 | 542 | 16 |
| 8/3/12 | 11:35:31 PM | 0.27 | 233 | 541 | 16 |
| 8/3/12 | 11:36:31 PM | 0.26 | 233 | 543 | 16 |
| 8/3/12 | 11:37:31 PM | 0.27 | 233 | 541 | 16 |
| 8/3/12 | 11:38:31 PM | 0.27 | 234 | 541 | 16 |
| 8/3/12 | 11:39:31 PM | 0.27 | 234 | 542 | 16 |
| 8/3/12 | 11:40:31 PM | 0.27 | 234 | 542 | 16 |
| 8/3/12 | 11:41:31 PM | 0.27 | 234 | 542 | 16 |
| 8/3/12 | 11:42:31 PM | 0.27 | 234 | 541 | 16 |
| 8/3/12 | 11:43:31 PM | 0.27 | 233 | 542 | 16 |
| 8/3/12 | 11:44:31 PM | 0.27 | 234 | 541 | 16 |
| 8/3/12 | 11:45:31 PM | 0.27 | 234 | 542 | 16 |
| 8/3/12 | 11:46:31 PM | 0.26 | 235 | 542 | 16 |
| 8/3/12 | 11:47:31 PM | 0.27 | 235 | 543 | 16 |
| 8/3/12 | 11:48:31 PM | 0.27 | 235 | 544 | 16 |
| 8/3/12 | 11:49:31 PM | 0.27 | 235 | 544 | 16 |
| 8/3/12 | 11:50:31 PM | 0.27 | 235 | 544 | 16 |
| 8/3/12 | 11:51:31 PM | 0.27 | 235 | 543 | 16 |
| 8/3/12 | 11:52:31 PM | 0.27 | 235 | 544 | 16 |
| 8/3/12 | 11:53:31 PM | 0.27 | 234 | 548 | 16 |
| 8/3/12 | 11:54:31 PM | 0.27 | 234 | 547 | 16 |
| 8/3/12 | 11:55:31 PM | 0.27 | 234 | 543 | 16 |
| 8/3/12 | 11:56:31 PM | 0.27 | 234 | 542 | 16 |
| 8/3/12 | 11:57:31 PM | 0.27 | 234 | 543 | 16 |
| 8/3/12 | 11:58:31 PM | 0.27 | 235 | 542 | 16 |
| 8/3/12 | 11:59:31 PM | 0.27 | 235 | 542 | 16 |
| Averages | | 0.27 | 233 | 546 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 12:00:31 AM | 0.27 | 234 | 544 | 16 |
| 8/4/12 | 12:01:31 AM | 0.27 | 234 | 545 | 16 |
| 8/4/12 | 12:02:31 AM | 0.27 | 234 | 545 | 16 |
| 8/4/12 | 12:03:31 AM | 0.27 | 234 | 544 | 16 |
| 8/4/12 | 12:04:31 AM | 0.27 | 234 | 544 | 16 |
| 8/4/12 | 12:05:31 AM | 0.27 | 234 | 543 | 16 |
| 8/4/12 | 12:06:31 AM | 0.27 | 234 | 543 | 16 |
| 8/4/12 | 12:07:31 AM | 0.27 | 234 | 543 | 16 |
| 8/4/12 | 12:08:31 AM | 0.27 | 234 | 544 | 16 |
| 8/4/12 | 12:09:31 AM | 0.27 | 235 | 544 | 16 |
| 8/4/12 | 12:10:31 AM | 0.27 | 235 | 543 | 16 |
| 8/4/12 | 12:11:31 AM | 0.27 | 236 | 543 | 16 |
| 8/4/12 | 12:12:31 AM | 0.27 | 236 | 545 | 16 |
| 8/4/12 | 12:13:31 AM | 0.27 | 236 | 546 | 16 |
| 8/4/12 | 12:14:31 AM | 0.27 | 236 | 547 | 16 |
| 8/4/12 | 12:15:31 AM | 0.27 | 237 | 546 | 16 |
| 8/4/12 | 12:16:31 AM | 0.27 | 237 | 547 | 16 |
| 8/4/12 | 12:17:31 AM | 0.27 | 237 | 547 | 16 |
| 8/4/12 | 12:18:31 AM | 0.27 | 237 | 546 | 16 |
| 8/4/12 | 12:19:31 AM | 0.27 | 237 | 547 | 16 |
| 8/4/12 | 12:20:31 AM | 0.27 | 235 | 546 | 16 |
| 8/4/12 | 12:21:31 AM | 0.27 | 233 | 542 | 16 |
| 8/4/12 | 12:22:31 AM | 0.28 | 233 | 542 | 16 |
| 8/4/12 | 12:23:31 AM | 0.28 | 233 | 544 | 16 |
| 8/4/12 | 12:24:31 AM | 0.27 | 232 | 542 | 16 |
| 8/4/12 | 12:25:31 AM | 0.27 | 233 | 542 | 16 |
| 8/4/12 | 12:26:31 AM | 0.27 | 233 | 543 | 16 |
| 8/4/12 | 12:27:31 AM | 0.28 | 235 | 544 | 16 |
| 8/4/12 | 12:28:31 AM | 0.27 | 235 | 545 | 16 |
| 8/4/12 | 12:29:31 AM | 0.27 | 235 | 549 | 16 |
| 8/4/12 | 12:30:31 AM | 0.27 | 236 | 550 | 16 |
| 8/4/12 | 12:31:31 AM | 0.27 | 236 | 548 | 16 |
| 8/4/12 | 12:32:31 AM | 0.27 | 236 | 548 | 16 |
| 8/4/12 | 12:33:31 AM | 0.27 | 236 | 548 | 16 |
| 8/4/12 | 12:34:31 AM | 0.28 | 235 | 549 | 16 |
| 8/4/12 | 12:35:31 AM | 0.28 | 234 | 545 | 16 |
| 8/4/12 | 12:36:31 AM | 0.27 | 232 | 542 | 16 |
| 8/4/12 | 12:37:31 AM | 0.28 | 232 | 541 | 16 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/4/12 12:38:31 AM | 0.28 | 232 | 541 | 16 |
| 8/4/12 12:39:31 AM | 0.27 | 232 | 540 | 16 |
| 8/4/12 12:40:31 AM | 0.27 | 232 | 541 | 16 |
| 8/4/12 12:41:31 AM | 0.27 | 233 | 541 | 16 |
| 8/4/12 12:42:31 AM | 0.27 | 233 | 541 | 16 |
| 8/4/12 12:43:31 AM | 0.27 | 233 | 542 | 16 |
| 8/4/12 12:44:31 AM | 0.27 | 233 | 542 | 16 |
| 8/4/12 12:45:31 AM | 0.27 | 234 | 543 | 16 |
| 8/4/12 12:46:31 AM | 0.27 | 234 | 543 | 16 |
| 8/4/12 12:47:31 AM | 0.27 | 234 | 543 | 16 |
| 8/4/12 12:48:31 AM | 0.27 | 235 | 541 | 16 |
| 8/4/12 12:49:31 AM | 0.27 | 235 | 542 | 16 |
| 8/4/12 12:50:31 AM | 0.28 | 234 | 543 | 16 |
| 8/4/12 12:51:31 AM | 0.27 | 234 | 540 | 16 |
| 8/4/12 12:52:31 AM | 0.27 | 233 | 537 | 16 |
| 8/4/12 12:53:31 AM | 0.27 | 233 | 539 | 16 |
| 8/4/12 12:54:31 AM | 0.27 | 233 | 540 | 16 |
| 8/4/12 12:55:31 AM | 0.27 | 233 | 539 | 16 |
| 8/4/12 12:56:31 AM | 0.27 | 233 | 540 | 16 |
| 8/4/12 12:57:31 AM | 0.27 | 234 | 540 | 16 |
| 8/4/12 12:58:31 AM | 0.27 | 234 | 541 | 16 |
| 8/4/12 12:59:31 AM | 0.27 | 234 | 541 | 16 |
| 8/4/12 1:00:31 AM | 0.27 | 234 | 542 | 16 |
| 8/4/12 1:01:31 AM | 0.27 | 234 | 543 | 16 |
| 8/4/12 1:02:31 AM | 0.27 | 233 | 543 | 16 |
| 8/4/12 1:03:31 AM | 0.27 | 233 | 543 | 16 |
| 8/4/12 1:04:31 AM | 0.27 | 233 | 543 | 16 |
| 8/4/12 1:05:31 AM | 0.27 | 233 | 544 | 16 |
| 8/4/12 1:06:31 AM | 0.27 | 234 | 543 | 16 |
| 8/4/12 1:07:31 AM | 0.27 | 234 | 544 | 16 |
| 8/4/12 1:08:31 AM | 0.27 | 234 | 551 | 16 |
| 8/4/12 1:09:31 AM | 0.27 | 234 | 552 | 16 |
| 8/4/12 1:10:31 AM | 0.27 | 234 | 552 | 16 |
| 8/4/12 1:11:31 AM | 0.27 | 234 | 551 | 16 |
| 8/4/12 1:12:31 AM | 0.27 | 234 | 551 | 16 |
| 8/4/12 1:13:31 AM | 0.27 | 234 | 549 | 16 |
| 8/4/12 1:14:31 AM | 0.27 | 234 | 550 | 16 |
| 8/4/12 1:15:31 AM | 0.27 | 233 | 549 | 16 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 1:16:31 AM | 0.27 | 232 | 545 | 16 |
| 8/4/12 | 1:17:31 AM | 0.27 | 232 | 545 | 16 |
| 8/4/12 | 1:18:31 AM | 0.27 | 233 | 543 | 16 |
| 8/4/12 | 1:19:31 AM | 0.27 | 232 | 541 | 16 |
| 8/4/12 | 1:20:31 AM | 0.27 | 231 | 541 | 16 |
| 8/4/12 | 1:21:31 AM | 0.28 | 231 | 541 | 16 |
| 8/4/12 | 1:22:31 AM | 0.27 | 231 | 541 | 16 |
| 8/4/12 | 1:23:31 AM | 0.27 | 231 | 540 | 16 |
| 8/4/12 | 1:24:31 AM | 0.27 | 231 | 537 | 16 |
| 8/4/12 | 1:25:31 AM | 0.27 | 231 | 540 | 16 |
| 8/4/12 | 1:26:31 AM | 0.28 | 231 | 540 | 16 |
| 8/4/12 | 1:27:31 AM | 0.27 | 230 | 537 | 16 |
| 8/4/12 | 1:28:31 AM | 0.28 | 229 | 537 | 16 |
| 8/4/12 | 1:29:31 AM | 0.28 | 229 | 534 | 16 |
| 8/4/12 | 1:30:31 AM | 0.28 | 229 | 534 | 16 |
| 8/4/12 | 1:31:31 AM | 0.28 | 229 | 532 | 16 |
| 8/4/12 | 1:32:31 AM | 0.27 | 229 | 533 | 16 |
| 8/4/12 | 1:33:31 AM | 0.27 | 230 | 535 | 16 |
| 8/4/12 | 1:34:31 AM | 0.27 | 231 | 536 | 16 |
| 8/4/12 | 1:35:31 AM | 0.27 | 232 | 537 | 16 |
| 8/4/12 | 1:36:31 AM | 0.27 | 232 | 536 | 16 |
| 8/4/12 | 1:37:31 AM | 0.27 | 233 | 536 | 16 |
| 8/4/12 | 1:38:31 AM | 0.27 | 233 | 537 | 16 |
| 8/4/12 | 1:39:31 AM | 0.27 | 233 | 537 | 16 |
| 8/4/12 | 1:40:31 AM | 0.27 | 232 | 537 | 16 |
| 8/4/12 | 1:41:31 AM | 0.28 | 231 | 537 | 16 |
| 8/4/12 | 1:42:31 AM | 0.27 | 230 | 537 | 16 |
| 8/4/12 | 1:43:31 AM | 0.27 | 230 | 533 | 16 |
| 8/4/12 | 1:44:31 AM | 0.27 | 230 | 534 | 16 |
| 8/4/12 | 1:45:31 AM | 0.27 | 231 | 537 | 16 |
| 8/4/12 | 1:46:31 AM | 0.27 | 231 | 535 | 16 |
| 8/4/12 | 1:47:31 AM | 0.27 | 231 | 533 | 16 |
| 8/4/12 | 1:48:31 AM | 0.27 | 231 | 532 | 16 |
| 8/4/12 | 1:49:31 AM | 0.27 | 231 | 531 | 16 |
| 8/4/12 | 1:50:31 AM | 0.27 | 232 | 532 | 16 |
| 8/4/12 | 1:51:31 AM | 0.27 | 232 | 533 | 16 |
| 8/4/12 | 1:52:31 AM | 0.27 | 232 | 532 | 16 |
| 8/4/12 | 1:53:31 AM | 0.27 | 231 | 533 | 16 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 1:54:31 AM | 0.27 | 232 | 535 | 16 |
| 8/4/12 | 1:55:31 AM | 0.27 | 232 | 542 | 16 |
| 8/4/12 | 1:56:31 AM | 0.27 | 233 | 543 | 16 |
| 8/4/12 | 1:57:31 AM | 0.27 | 233 | 543 | 16 |
| 8/4/12 | 1:58:31 AM | 0.27 | 234 | 542 | 16 |
| 8/4/12 | 1:59:31 AM | 0.27 | 234 | 544 | 16 |
| 8/4/12 | 2:00:31 AM | 0.27 | 234 | 542 | 16 |
| 8/4/12 | 2:01:31 AM | 0.27 | 234 | 542 | 16 |
| 8/4/12 | 2:02:31 AM | 0.27 | 233 | 541 | 16 |
| 8/4/12 | 2:03:31 AM | 0.27 | 233 | 554 | 16 |
| 8/4/12 | 2:04:31 AM | 0.27 | 232 | 570 | 16 |
| 8/4/12 | 2:05:31 AM | 0.27 | 232 | 568 | 16 |
| 8/4/12 | 2:06:31 AM | 0.28 | 232 | 565 | 16 |
| 8/4/12 | 2:07:31 AM | 0.27 | 232 | 564 | 16 |
| 8/4/12 | 2:08:31 AM | 0.28 | 232 | 562 | 17 |
| 8/4/12 | 2:09:31 AM | 0.27 | 231 | 560 | 18 |
| 8/4/12 | 2:10:31 AM | 0.27 | 232 | 557 | 18 |
| 8/4/12 | 2:11:31 AM | 0.27 | 232 | 556 | 20 |
| 8/4/12 | 2:12:31 AM | 0.28 | 232 | 554 | 22 |
| 8/4/12 | 2:13:31 AM | 0.27 | 232 | 553 | 22 |
| 8/4/12 | 2:14:31 AM | 0.27 | 232 | 553 | 23 |
| 8/4/12 | 2:15:31 AM | 0.27 | 232 | 554 | 25 |
| 8/4/12 | 2:16:31 AM | 0.28 | 232 | 552 | 25 |
| 8/4/12 | 2:17:31 AM | 0.27 | 233 | 552 | 26 |
| 8/4/12 | 2:18:31 AM | 0.27 | 233 | 555 | 27 |
| 8/4/12 | 2:19:31 AM | 0.27 | 233 | 556 | 27 |
| 8/4/12 | 2:20:31 AM | 0.27 | 234 | 555 | 27 |
| 8/4/12 | 2:21:31 AM | 0.27 | 235 | 556 | 28 |
| 8/4/12 | 2:22:31 AM | 0.27 | 236 | 557 | 28 |
| 8/4/12 | 2:23:31 AM | 0.27 | 237 | 557 | 29 |
| 8/4/12 | 2:24:31 AM | 0.27 | 237 | 557 | 29 |
| 8/4/12 | 2:25:31 AM | 0.27 | 238 | 557 | 29 |
| 8/4/12 | 2:26:31 AM | 0.27 | 238 | 557 | 30 |
| 8/4/12 | 2:27:31 AM | 0.27 | 237 | 557 | 30 |
| 8/4/12 | 2:28:31 AM | 0.27 | 237 | 556 | 30 |
| 8/4/12 | 2:29:31 AM | 0.27 | 237 | 557 | 31 |
| 8/4/12 | 2:30:31 AM | 0.27 | 237 | 556 | 31 |
| 8/4/12 | 2:31:31 AM | 0.27 | 237 | 556 | 31 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 2:32:31 AM | 0.27 | 237 | 555 | 31 |
| 8/4/12 | 2:33:31 AM | 0.27 | 237 | 553 | 31 |
| 8/4/12 | 2:34:31 AM | 0.27 | 237 | 553 | 31 |
| 8/4/12 | 2:35:31 AM | 0.27 | 237 | 560 | 31 |
| 8/4/12 | 2:36:31 AM | 0.27 | 238 | 557 | 32 |
| 8/4/12 | 2:37:31 AM | 0.27 | 237 | 557 | 32 |
| 8/4/12 | 2:38:31 AM | 0.27 | 238 | 556 | 32 |
| 8/4/12 | 2:39:31 AM | 0.27 | 237 | 553 | 32 |
| 8/4/12 | 2:40:31 AM | 0.27 | 237 | 552 | 32 |
| 8/4/12 | 2:41:31 AM | 0.27 | 238 | 552 | 32 |
| 8/4/12 | 2:42:31 AM | 0.27 | 238 | 553 | 32 |
| 8/4/12 | 2:43:31 AM | 0.27 | 238 | 552 | 32 |
| 8/4/12 | 2:44:31 AM | 0.27 | 237 | 552 | 32 |
| 8/4/12 | 2:45:31 AM | 0.27 | 237 | 553 | 32 |
| 8/4/12 | 2:46:31 AM | 0.27 | 238 | 551 | 32 |
| 8/4/12 | 2:47:31 AM | 0.27 | 238 | 551 | 32 |
| 8/4/12 | 2:48:31 AM | 0.27 | 238 | 556 | 32 |
| 8/4/12 | 2:49:31 AM | 0.27 | 238 | 552 | 32 |
| 8/4/12 | 2:50:31 AM | 0.27 | 237 | 548 | 32 |
| 8/4/12 | 2:51:31 AM | 0.27 | 237 | 548 | 32 |
| 8/4/12 | 2:52:31 AM | 0.27 | 237 | 547 | 32 |
| 8/4/12 | 2:53:31 AM | 0.27 | 237 | 547 | 32 |
| 8/4/12 | 2:54:31 AM | 0.27 | 236 | 547 | 32 |
| 8/4/12 | 2:55:31 AM | 0.27 | 236 | 548 | 32 |
| 8/4/12 | 2:56:31 AM | 0.27 | 237 | 548 | 32 |
| 8/4/12 | 2:57:31 AM | 0.27 | 237 | 549 | 33 |
| 8/4/12 | 2:58:31 AM | 0.27 | 237 | 550 | 33 |
| 8/4/12 | 2:59:31 AM | 0.27 | 236 | 549 | 33 |
| 8/4/12 | 3:00:31 AM | 0.27 | 236 | 548 | 33 |
| 8/4/12 | 3:01:31 AM | 0.27 | 235 | 547 | 33 |
| 8/4/12 | 3:02:31 AM | 0.27 | 234 | 544 | 33 |
| 8/4/12 | 3:03:31 AM | 0.27 | 233 | 543 | 33 |
| 8/4/12 | 3:04:31 AM | 0.27 | 233 | 543 | 33 |
| 8/4/12 | 3:05:31 AM | 0.28 | 232 | 542 | 33 |
| 8/4/12 | 3:06:31 AM | 0.27 | 232 | 542 | 33 |
| 8/4/12 | 3:07:31 AM | 0.27 | 233 | 542 | 33 |
| 8/4/12 | 3:08:31 AM | 0.27 | 233 | 542 | 33 |
| 8/4/12 | 3:09:31 AM | 0.27 | 232 | 542 | 34 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 3:10:31 AM | 0.28 | 232 | 542 | 34 |
| 8/4/12 | 3:11:31 AM | 0.27 | 232 | 542 | 34 |
| 8/4/12 | 3:12:31 AM | 0.28 | 232 | 540 | 34 |
| 8/4/12 | 3:13:31 AM | 0.27 | 232 | 539 | 34 |
| 8/4/12 | 3:14:31 AM | 0.27 | 232 | 542 | 34 |
| 8/4/12 | 3:15:31 AM | 0.27 | 232 | 541 | 34 |
| 8/4/12 | 3:16:31 AM | 0.27 | 231 | 538 | 34 |
| 8/4/12 | 3:17:31 AM | 0.27 | 232 | 539 | 34 |
| 8/4/12 | 3:18:31 AM | 0.27 | 232 | 538 | 34 |
| 8/4/12 | 3:19:31 AM | 0.27 | 232 | 538 | 34 |
| 8/4/12 | 3:20:31 AM | 0.27 | 233 | 537 | 34 |
| 8/4/12 | 3:21:31 AM | 0.27 | 232 | 537 | 34 |
| 8/4/12 | 3:22:31 AM | 0.28 | 232 | 538 | 34 |
| 8/4/12 | 3:23:31 AM | 0.27 | 232 | 538 | 34 |
| 8/4/12 | 3:24:31 AM | 0.28 | 232 | 540 | 34 |
| 8/4/12 | 3:25:31 AM | 0.28 | 231 | 540 | 34 |
| 8/4/12 | 3:26:31 AM | 0.27 | 232 | 537 | 34 |
| 8/4/12 | 3:27:31 AM | 0.28 | 232 | 537 | 35 |
| 8/4/12 | 3:28:31 AM | 0.27 | 231 | 537 | 35 |
| 8/4/12 | 3:29:31 AM | 0.28 | 231 | 537 | 35 |
| 8/4/12 | 3:30:31 AM | 0.28 | 231 | 537 | 35 |
| 8/4/12 | 3:31:31 AM | 0.27 | 231 | 536 | 35 |
| 8/4/12 | 3:32:31 AM | 0.27 | 232 | 538 | 35 |
| 8/4/12 | 3:33:31 AM | 0.28 | 232 | 538 | 34 |
| 8/4/12 | 3:34:31 AM | 0.27 | 233 | 538 | 34 |
| 8/4/12 | 3:35:31 AM | 0.27 | 234 | 538 | 34 |
| 8/4/12 | 3:36:31 AM | 0.27 | 235 | 537 | 34 |
| 8/4/12 | 3:37:31 AM | 0.27 | 235 | 537 | 34 |
| 8/4/12 | 3:38:31 AM | 0.27 | 236 | 540 | 35 |
| 8/4/12 | 3:39:31 AM | 0.28 | 235 | 538 | 35 |
| 8/4/12 | 3:40:31 AM | 0.28 | 234 | 537 | 35 |
| 8/4/12 | 3:41:31 AM | 0.28 | 235 | 537 | 35 |
| 8/4/12 | 3:42:31 AM | 0.27 | 235 | 539 | 35 |
| 8/4/12 | 3:43:31 AM | 0.27 | 235 | 542 | 35 |
| 8/4/12 | 3:44:31 AM | 0.27 | 234 | 544 | 35 |
| 8/4/12 | 3:45:31 AM | 0.27 | 234 | 543 | 35 |
| 8/4/12 | 3:46:31 AM | 0.27 | 235 | 542 | 35 |
| 8/4/12 | 3:47:31 AM | 0.27 | 234 | 543 | 35 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 3:48:31 AM | 0.27 | 234 | 542 | 35 |
| 8/4/12 | 3:49:31 AM | 0.28 | 234 | 542 | 35 |
| 8/4/12 | 3:50:31 AM | 0.27 | 234 | 541 | 35 |
| 8/4/12 | 3:51:31 AM | 0.27 | 235 | 542 | 35 |
| 8/4/12 | 3:52:31 AM | 0.27 | 236 | 538 | 35 |
| 8/4/12 | 3:53:31 AM | 0.27 | 236 | 539 | 35 |
| 8/4/12 | 3:54:31 AM | 0.27 | 236 | 541 | 35 |
| 8/4/12 | 3:55:31 AM | 0.28 | 237 | 542 | 35 |
| 8/4/12 | 3:56:31 AM | 0.27 | 237 | 542 | 35 |
| 8/4/12 | 3:57:31 AM | 0.27 | 237 | 542 | 35 |
| 8/4/12 | 3:58:31 AM | 0.27 | 236 | 542 | 35 |
| 8/4/12 | 3:59:31 AM | 0.28 | 236 | 541 | 35 |
| 8/4/12 | 4:00:31 AM | 0.27 | 236 | 538 | 35 |
| 8/4/12 | 4:01:31 AM | 0.27 | 237 | 538 | 35 |
| 8/4/12 | 4:02:31 AM | 0.27 | 237 | 538 | 35 |
| 8/4/12 | 4:03:31 AM | 0.27 | 237 | 536 | 35 |
| 8/4/12 | 4:04:31 AM | 0.27 | 237 | 537 | 35 |
| 8/4/12 | 4:05:31 AM | 0.27 | 236 | 537 | 35 |
| 8/4/12 | 4:06:31 AM | 0.27 | 236 | 537 | 35 |
| 8/4/12 | 4:07:31 AM | 0.27 | 236 | 537 | 35 |
| 8/4/12 | 4:08:31 AM | 0.27 | 235 | 536 | 35 |
| 8/4/12 | 4:09:31 AM | 0.27 | 235 | 537 | 35 |
| 8/4/12 | 4:10:31 AM | 0.27 | 234 | 535 | 35 |
| 8/4/12 | 4:11:31 AM | 0.27 | 234 | 533 | 35 |
| 8/4/12 | 4:12:31 AM | 0.27 | 234 | 534 | 35 |
| 8/4/12 | 4:13:31 AM | 0.27 | 234 | 534 | 35 |
| 8/4/12 | 4:14:31 AM | 0.27 | 235 | 534 | 34 |
| 8/4/12 | 4:15:31 AM | 0.27 | 236 | 534 | 34 |
| 8/4/12 | 4:16:31 AM | 0.27 | 235 | 538 | 34 |
| 8/4/12 | 4:17:31 AM | 0.27 | 235 | 538 | 34 |
| 8/4/12 | 4:18:31 AM | 0.27 | 235 | 535 | 35 |
| 8/4/12 | 4:19:31 AM | 0.27 | 236 | 534 | 35 |
| 8/4/12 | 4:20:31 AM | 0.27 | 236 | 534 | 35 |
| 8/4/12 | 4:21:31 AM | 0.27 | 236 | 535 | 35 |
| 8/4/12 | 4:22:31 AM | 0.27 | 236 | 537 | 35 |
| 8/4/12 | 4:23:31 AM | 0.27 | 237 | 536 | 35 |
| 8/4/12 | 4:24:31 AM | 0.27 | 237 | 537 | 34 |
| 8/4/12 | 4:25:31 AM | 0.28 | 237 | 538 | 34 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 4:26:31 AM | 0.27 | 237 | 538 | 34 |
| 8/4/12 | 4:27:31 AM | 0.27 | 236 | 538 | 34 |
| 8/4/12 | 4:28:31 AM | 0.27 | 236 | 541 | 34 |
| 8/4/12 | 4:29:31 AM | 0.27 | 236 | 536 | 34 |
| 8/4/12 | 4:30:31 AM | 0.27 | 235 | 534 | 34 |
| 8/4/12 | 4:31:31 AM | 0.27 | 234 | 537 | 34 |
| 8/4/12 | 4:32:31 AM | 0.27 | 233 | 535 | 34 |
| 8/4/12 | 4:33:31 AM | 0.28 | 233 | 536 | 34 |
| 8/4/12 | 4:34:31 AM | 0.27 | 233 | 534 | 34 |
| 8/4/12 | 4:35:31 AM | 0.27 | 233 | 532 | 34 |
| 8/4/12 | 4:36:31 AM | 0.27 | 233 | 533 | 34 |
| 8/4/12 | 4:37:31 AM | 0.27 | 233 | 533 | 34 |
| 8/4/12 | 4:38:31 AM | 0.27 | 233 | 533 | 34 |
| 8/4/12 | 4:39:31 AM | 0.27 | 234 | 534 | 34 |
| 8/4/12 | 4:40:31 AM | 0.27 | 233 | 534 | 34 |
| 8/4/12 | 4:41:31 AM | 0.27 | 233 | 533 | 34 |
| 8/4/12 | 4:42:31 AM | 0.27 | 233 | 532 | 34 |
| 8/4/12 | 4:43:31 AM | 0.27 | 232 | 532 | 34 |
| 8/4/12 | 4:44:31 AM | 0.28 | 233 | 533 | 34 |
| 8/4/12 | 4:45:31 AM | 0.27 | 232 | 533 | 34 |
| 8/4/12 | 4:46:31 AM | 0.28 | 233 | 533 | 34 |
| 8/4/12 | 4:47:31 AM | 0.27 | 233 | 533 | 34 |
| 8/4/12 | 4:48:31 AM | 0.28 | 233 | 532 | 34 |
| 8/4/12 | 4:49:31 AM | 0.27 | 232 | 532 | 34 |
| 8/4/12 | 4:50:31 AM | 0.27 | 231 | 532 | 34 |
| 8/4/12 | 4:51:31 AM | 0.27 | 231 | 532 | 34 |
| 8/4/12 | 4:52:31 AM | 0.27 | 231 | 532 | 34 |
| 8/4/12 | 4:53:31 AM | 0.28 | 231 | 533 | 34 |
| 8/4/12 | 4:54:31 AM | 0.28 | 232 | 532 | 34 |
| 8/4/12 | 4:55:31 AM | 0.28 | 232 | 530 | 34 |
| 8/4/12 | 4:56:31 AM | 0.27 | 232 | 531 | 34 |
| 8/4/12 | 4:57:31 AM | 0.27 | 231 | 530 | 34 |
| 8/4/12 | 4:58:31 AM | 0.28 | 232 | 529 | 34 |
| 8/4/12 | 4:59:31 AM | 0.28 | 232 | 531 | 34 |
| 8/4/12 | 5:00:31 AM | 0.27 | 233 | 531 | 34 |
| 8/4/12 | 5:01:31 AM | 0.28 | 233 | 532 | 34 |
| 8/4/12 | 5:02:31 AM | 0.27 | 233 | 533 | 34 |
| 8/4/12 | 5:03:31 AM | 0.27 | 233 | 531 | 34 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 5:04:31 AM | 0.28 | 233 | 532 | 34 |
| 8/4/12 | 5:05:31 AM | 0.27 | 234 | 531 | 33 |
| 8/4/12 | 5:06:31 AM | 0.27 | 234 | 536 | 33 |
| 8/4/12 | 5:07:31 AM | 0.27 | 234 | 537 | 33 |
| 8/4/12 | 5:08:31 AM | 0.27 | 234 | 537 | 33 |
| 8/4/12 | 5:09:31 AM | 0.27 | 233 | 537 | 33 |
| 8/4/12 | 5:10:31 AM | 0.27 | 233 | 536 | 33 |
| 8/4/12 | 5:11:31 AM | 0.27 | 233 | 535 | 33 |
| 8/4/12 | 5:12:31 AM | 0.28 | 233 | 531 | 33 |
| 8/4/12 | 5:13:31 AM | 0.27 | 233 | 531 | 33 |
| 8/4/12 | 5:14:31 AM | 0.27 | 234 | 532 | 33 |
| 8/4/12 | 5:15:31 AM | 0.27 | 233 | 531 | 33 |
| 8/4/12 | 5:16:31 AM | 0.27 | 234 | 531 | 33 |
| 8/4/12 | 5:17:31 AM | 0.27 | 234 | 530 | 33 |
| 8/4/12 | 5:18:31 AM | 0.27 | 234 | 531 | 33 |
| 8/4/12 | 5:19:31 AM | 0.27 | 235 | 530 | 33 |
| 8/4/12 | 5:20:31 AM | 0.27 | 236 | 531 | 33 |
| 8/4/12 | 5:21:31 AM | 0.27 | 236 | 532 | 33 |
| 8/4/12 | 5:22:31 AM | 0.27 | 236 | 532 | 33 |
| 8/4/12 | 5:23:31 AM | 0.27 | 236 | 531 | 33 |
| 8/4/12 | 5:24:31 AM | 0.27 | 237 | 532 | 33 |
| 8/4/12 | 5:25:31 AM | 0.28 | 237 | 532 | 33 |
| 8/4/12 | 5:26:31 AM | 0.27 | 237 | 532 | 33 |
| 8/4/12 | 5:27:31 AM | 0.27 | 237 | 536 | 32 |
| 8/4/12 | 5:28:31 AM | 0.27 | 237 | 536 | 32 |
| 8/4/12 | 5:29:31 AM | 0.27 | 237 | 537 | 32 |
| 8/4/12 | 5:30:31 AM | 0.27 | 237 | 537 | 32 |
| 8/4/12 | 5:31:31 AM | 0.27 | 237 | 536 | 32 |
| 8/4/12 | 5:32:31 AM | 0.27 | 237 | 537 | 33 |
| 8/4/12 | 5:33:31 AM | 0.27 | 237 | 536 | 33 |
| 8/4/12 | 5:34:31 AM | 0.27 | 237 | 537 | 33 |
| 8/4/12 | 5:35:31 AM | 0.28 | 237 | 533 | 33 |
| 8/4/12 | 5:36:31 AM | 0.27 | 237 | 532 | 33 |
| 8/4/12 | 5:37:31 AM | 0.27 | 237 | 535 | 33 |
| 8/4/12 | 5:38:31 AM | 0.27 | 237 | 536 | 33 |
| 8/4/12 | 5:39:31 AM | 0.27 | 237 | 534 | 33 |
| 8/4/12 | 5:40:31 AM | 0.27 | 237 | 535 | 33 |
| 8/4/12 | 5:41:31 AM | 0.27 | 237 | 536 | 33 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 5:42:31 AM | 0.27 | 237 | 535 | 33 |
| 8/4/12 | 5:43:31 AM | 0.27 | 237 | 536 | 33 |
| 8/4/12 | 5:44:31 AM | 0.27 | 237 | 536 | 32 |
| 8/4/12 | 5:45:31 AM | 0.27 | 238 | 535 | 32 |
| 8/4/12 | 5:46:31 AM | 0.27 | 238 | 533 | 32 |
| 8/4/12 | 5:47:31 AM | 0.27 | 238 | 534 | 32 |
| 8/4/12 | 5:48:31 AM | 0.27 | 237 | 532 | 32 |
| 8/4/12 | 5:49:31 AM | 0.27 | 237 | 532 | 32 |
| 8/4/12 | 5:50:31 AM | 0.27 | 237 | 532 | 32 |
| 8/4/12 | 5:51:31 AM | 0.27 | 238 | 530 | 32 |
| 8/4/12 | 5:52:31 AM | 0.27 | 238 | 531 | 32 |
| 8/4/12 | 5:53:31 AM | 0.27 | 238 | 531 | 32 |
| 8/4/12 | 5:54:31 AM | 0.27 | 238 | 531 | 32 |
| 8/4/12 | 5:55:31 AM | 0.27 | 238 | 530 | 32 |
| 8/4/12 | 5:56:31 AM | 0.27 | 238 | 529 | 32 |
| 8/4/12 | 5:57:31 AM | 0.27 | 238 | 529 | 32 |
| 8/4/12 | 5:58:31 AM | 0.27 | 238 | 529 | 32 |
| 8/4/12 | 5:59:31 AM | 0.27 | 238 | 530 | 32 |
| 8/4/12 | 6:00:31 AM | 0.27 | 239 | 531 | 32 |
| 8/4/12 | 6:01:31 AM | 0.27 | 238 | 530 | 32 |
| 8/4/12 | 6:02:31 AM | 0.27 | 238 | 531 | 32 |
| 8/4/12 | 6:03:31 AM | 0.27 | 239 | 532 | 31 |
| 8/4/12 | 6:04:31 AM | 0.27 | 239 | 532 | 31 |
| 8/4/12 | 6:05:31 AM | 0.27 | 239 | 532 | 31 |
| 8/4/12 | 6:06:31 AM | 0.27 | 239 | 532 | 31 |
| 8/4/12 | 6:07:31 AM | 0.27 | 239 | 531 | 31 |
| 8/4/12 | 6:08:31 AM | 0.27 | 239 | 536 | 31 |
| 8/4/12 | 6:09:31 AM | 0.27 | 238 | 537 | 31 |
| 8/4/12 | 6:10:31 AM | 0.27 | 238 | 534 | 31 |
| 8/4/12 | 6:11:31 AM | 0.27 | 238 | 537 | 31 |
| 8/4/12 | 6:12:31 AM | 0.27 | 238 | 533 | 31 |
| 8/4/12 | 6:13:31 AM | 0.27 | 239 | 533 | 31 |
| 8/4/12 | 6:14:31 AM | 0.27 | 239 | 533 | 31 |
| 8/4/12 | 6:15:31 AM | 0.28 | 238 | 533 | 31 |
| 8/4/12 | 6:16:31 AM | 0.27 | 239 | 534 | 31 |
| 8/4/12 | 6:17:31 AM | 0.27 | 239 | 533 | 30 |
| 8/4/12 | 6:18:31 AM | 0.27 | 239 | 531 | 30 |
| 8/4/12 | 6:19:31 AM | 0.27 | 239 | 532 | 30 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 6:20:31 AM | 0.27 | 239 | 531 | 30 |
| 8/4/12 | 6:21:31 AM | 0.27 | 239 | 528 | 30 |
| 8/4/12 | 6:22:31 AM | 0.27 | 239 | 529 | 30 |
| 8/4/12 | 6:23:31 AM | 0.27 | 238 | 531 | 30 |
| 8/4/12 | 6:24:31 AM | 0.27 | 238 | 529 | 30 |
| 8/4/12 | 6:25:31 AM | 0.27 | 238 | 528 | 30 |
| 8/4/12 | 6:26:31 AM | 0.27 | 239 | 528 | 30 |
| 8/4/12 | 6:27:31 AM | 0.27 | 239 | 529 | 30 |
| 8/4/12 | 6:28:31 AM | 0.27 | 239 | 530 | 30 |
| 8/4/12 | 6:29:31 AM | 0.27 | 239 | 530 | 30 |
| 8/4/12 | 6:30:31 AM | 0.27 | 239 | 531 | 30 |
| 8/4/12 | 6:31:31 AM | 0.27 | 239 | 531 | 30 |
| 8/4/12 | 6:32:31 AM | 0.27 | 239 | 534 | 30 |
| 8/4/12 | 6:33:31 AM | 0.27 | 239 | 534 | 30 |
| 8/4/12 | 6:34:31 AM | 0.27 | 239 | 532 | 30 |
| 8/4/12 | 6:35:31 AM | 0.27 | 239 | 532 | 30 |
| 8/4/12 | 6:36:31 AM | 0.27 | 239 | 532 | 30 |
| 8/4/12 | 6:37:31 AM | 0.27 | 239 | 530 | 30 |
| 8/4/12 | 6:38:31 AM | 0.27 | 239 | 528 | 29 |
| 8/4/12 | 6:39:31 AM | 0.27 | 239 | 528 | 29 |
| 8/4/12 | 6:40:31 AM | 0.27 | 238 | 528 | 29 |
| 8/4/12 | 6:41:31 AM | 0.27 | 238 | 530 | 29 |
| 8/4/12 | 6:42:31 AM | 0.27 | 237 | 529 | 29 |
| 8/4/12 | 6:43:31 AM | 0.27 | 237 | 528 | 29 |
| 8/4/12 | 6:44:31 AM | 0.27 | 237 | 527 | 29 |
| 8/4/12 | 6:45:31 AM | 0.27 | 237 | 528 | 29 |
| 8/4/12 | 6:46:31 AM | 0.27 | 238 | 527 | 29 |
| 8/4/12 | 6:47:31 AM | 0.27 | 238 | 528 | 29 |
| 8/4/12 | 6:48:31 AM | 0.27 | 238 | 527 | 29 |
| 8/4/12 | 6:49:31 AM | 0.27 | 238 | 527 | 29 |
| 8/4/12 | 6:50:31 AM | 0.27 | 238 | 527 | 29 |
| 8/4/12 | 6:51:31 AM | 0.27 | 239 | 527 | 29 |
| 8/4/12 | 6:52:31 AM | 0.27 | 239 | 529 | 29 |
| 8/4/12 | 6:53:31 AM | 0.27 | 239 | 531 | 29 |
| 8/4/12 | 6:54:31 AM | 0.27 | 239 | 530 | 29 |
| 8/4/12 | 6:55:31 AM | 0.27 | 239 | 532 | 29 |
| 8/4/12 | 6:56:31 AM | 0.27 | 239 | 529 | 29 |
| 8/4/12 | 6:57:31 AM | 0.27 | 239 | 532 | 29 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 6:58:31 AM | 0.27 | 239 | 531 | 29 |
| 8/4/12 | 6:59:31 AM | 0.27 | 238 | 531 | 29 |
| 8/4/12 | 7:00:31 AM | 0.27 | 238 | 532 | 29 |
| 8/4/12 | 7:01:31 AM | 0.27 | 238 | 531 | 29 |
| 8/4/12 | 7:02:31 AM | 0.27 | 238 | 532 | 29 |
| 8/4/12 | 7:03:31 AM | 0.27 | 238 | 532 | 29 |
| 8/4/12 | 7:04:31 AM | 0.27 | 238 | 530 | 29 |
| 8/4/12 | 7:05:31 AM | 0.28 | 237 | 531 | 28 |
| 8/4/12 | 7:06:31 AM | 0.27 | 237 | 532 | 28 |
| 8/4/12 | 7:07:31 AM | 0.27 | 236 | 531 | 28 |
| 8/4/12 | 7:08:31 AM | 0.28 | 236 | 530 | 28 |
| 8/4/12 | 7:09:31 AM | 0.28 | 236 | 531 | 28 |
| 8/4/12 | 7:10:31 AM | 0.27 | 235 | 530 | 28 |
| 8/4/12 | 7:11:31 AM | 0.28 | 235 | 528 | 28 |
| 8/4/12 | 7:12:31 AM | 0.27 | 235 | 528 | 28 |
| 8/4/12 | 7:13:31 AM | 0.27 | 235 | 528 | 28 |
| 8/4/12 | 7:14:31 AM | 0.27 | 235 | 528 | 28 |
| 8/4/12 | 7:15:31 AM | 0.27 | 236 | 529 | 28 |
| 8/4/12 | 7:16:31 AM | 0.27 | 236 | 531 | 28 |
| 8/4/12 | 7:17:31 AM | 0.27 | 236 | 531 | 28 |
| 8/4/12 | 7:18:31 AM | 0.27 | 236 | 532 | 28 |
| 8/4/12 | 7:19:31 AM | 0.27 | 237 | 533 | 28 |
| 8/4/12 | 7:20:31 AM | 0.27 | 238 | 533 | 28 |
| 8/4/12 | 7:21:31 AM | 0.27 | 238 | 533 | 28 |
| 8/4/12 | 7:22:31 AM | 0.27 | 238 | 530 | 28 |
| 8/4/12 | 7:23:31 AM | 0.27 | 238 | 531 | 28 |
| 8/4/12 | 7:24:31 AM | 0.27 | 238 | 532 | 28 |
| 8/4/12 | 7:25:31 AM | 0.27 | 238 | 533 | 28 |
| 8/4/12 | 7:26:31 AM | 0.27 | 238 | 534 | 28 |
| 8/4/12 | 7:27:31 AM | 0.27 | 239 | 537 | 28 |
| 8/4/12 | 7:28:31 AM | 0.28 | 239 | 536 | 28 |
| 8/4/12 | 7:29:31 AM | 0.27 | 239 | 537 | 28 |
| 8/4/12 | 7:30:31 AM | 0.28 | 239 | 543 | 27 |
| 8/4/12 | 7:31:31 AM | 0.27 | 239 | 544 | 27 |
| 8/4/12 | 7:32:31 AM | 0.27 | 239 | 544 | 27 |
| 8/4/12 | 7:33:31 AM | 0.27 | 239 | 543 | 27 |
| 8/4/12 | 7:34:31 AM | 0.27 | 239 | 542 | 27 |
| 8/4/12 | 7:35:31 AM | 0.27 | 239 | 542 | 27 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 7:36:31 AM | 0.28 | 239 | 542 | 27 |
| 8/4/12 | 7:37:31 AM | 0.27 | 239 | 543 | 27 |
| 8/4/12 | 7:38:31 AM | 0.27 | 238 | 553 | 27 |
| 8/4/12 | 7:39:31 AM | 0.27 | 238 | 552 | 27 |
| 8/4/12 | 7:40:31 AM | 0.28 | 238 | 552 | 27 |
| 8/4/12 | 7:41:31 AM | 0.27 | 237 | 549 | 28 |
| 8/4/12 | 7:42:31 AM | 0.27 | 237 | 548 | 28 |
| 8/4/12 | 7:43:31 AM | 0.27 | 237 | 546 | 28 |
| 8/4/12 | 7:44:31 AM | 0.28 | 236 | 542 | 27 |
| 8/4/12 | 7:45:31 AM | 0.27 | 236 | 541 | 27 |
| 8/4/12 | 7:46:31 AM | 0.28 | 236 | 540 | 27 |
| 8/4/12 | 7:47:31 AM | 0.28 | 236 | 539 | 27 |
| 8/4/12 | 7:48:31 AM | 0.28 | 236 | 538 | 27 |
| 8/4/12 | 7:49:31 AM | 0.27 | 236 | 540 | 27 |
| 8/4/12 | 7:50:31 AM | 0.28 | 236 | 538 | 27 |
| 8/4/12 | 7:51:31 AM | 0.27 | 235 | 537 | 27 |
| 8/4/12 | 7:52:31 AM | 0.28 | 235 | 537 | 27 |
| 8/4/12 | 7:53:31 AM | 0.27 | 234 | 537 | 27 |
| 8/4/12 | 7:54:31 AM | 0.28 | 235 | 537 | 27 |
| 8/4/12 | 7:55:31 AM | 0.28 | 235 | 539 | 27 |
| 8/4/12 | 7:56:31 AM | 0.28 | 235 | 541 | 27 |
| 8/4/12 | 7:57:31 AM | 0.28 | 235 | 541 | 27 |
| 8/4/12 | 7:58:31 AM | 0.28 | 234 | 540 | 27 |
| 8/4/12 | 7:59:31 AM | 0.28 | 234 | 540 | 27 |
| 8/4/12 | 8:00:31 AM | 0.28 | 234 | 540 | 27 |
| 8/4/12 | 8:01:31 AM | 0.28 | 234 | 542 | 27 |
| 8/4/12 | 8:02:31 AM | 0.28 | 234 | 541 | 27 |
| 8/4/12 | 8:03:31 AM | 0.28 | 234 | 542 | 27 |
| 8/4/12 | 8:04:31 AM | 0.28 | 234 | 542 | 27 |
| 8/4/12 | 8:05:31 AM | 0.28 | 234 | 546 | 27 |
| 8/4/12 | 8:06:31 AM | 0.28 | 235 | 546 | 27 |
| 8/4/12 | 8:07:31 AM | 0.28 | 235 | 547 | 27 |
| 8/4/12 | 8:08:31 AM | 0.28 | 235 | 548 | 27 |
| 8/4/12 | 8:09:31 AM | 0.28 | 236 | 548 | 27 |
| 8/4/12 | 8:10:31 AM | 0.28 | 236 | 549 | 27 |
| 8/4/12 | 8:11:31 AM | 0.28 | 235 | 551 | 27 |
| 8/4/12 | 8:12:31 AM | 0.28 | 236 | 552 | 27 |
| 8/4/12 | 8:13:31 AM | 0.28 | 236 | 552 | 27 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 8:14:31 AM | 0.28 | 237 | 553 | 27 |
| 8/4/12 | 8:15:31 AM | 0.27 | 237 | 555 | 27 |
| 8/4/12 | 8:16:31 AM | 0.27 | 237 | 554 | 27 |
| 8/4/12 | 8:17:31 AM | 0.28 | 238 | 556 | 27 |
| 8/4/12 | 8:18:31 AM | 0.27 | 239 | 557 | 27 |
| 8/4/12 | 8:19:31 AM | 0.28 | 239 | 558 | 27 |
| 8/4/12 | 8:20:31 AM | 0.27 | 239 | 558 | 27 |
| 8/4/12 | 8:21:31 AM | 0.27 | 239 | 559 | 27 |
| 8/4/12 | 8:22:31 AM | 0.27 | 239 | 561 | 27 |
| 8/4/12 | 8:23:31 AM | 0.28 | 240 | 562 | 27 |
| 8/4/12 | 8:24:31 AM | 0.27 | 240 | 563 | 27 |
| 8/4/12 | 8:25:31 AM | 0.27 | 240 | 565 | 27 |
| 8/4/12 | 8:26:31 AM | 0.27 | 239 | 563 | 27 |
| 8/4/12 | 8:27:31 AM | 0.27 | 239 | 563 | 27 |
| 8/4/12 | 8:28:31 AM | 0.27 | 239 | 564 | 27 |
| 8/4/12 | 8:29:31 AM | 0.27 | 239 | 565 | 27 |
| 8/4/12 | 8:30:31 AM | 0.27 | 239 | 565 | 27 |
| 8/4/12 | 8:31:31 AM | 0.27 | 240 | 565 | 27 |
| 8/4/12 | 8:32:31 AM | 0.27 | 240 | 567 | 27 |
| 8/4/12 | 8:33:31 AM | 0.27 | 240 | 566 | 27 |
| 8/4/12 | 8:34:31 AM | 0.27 | 240 | 567 | 27 |
| 8/4/12 | 8:35:31 AM | 0.27 | 240 | 567 | 27 |
| 8/4/12 | 8:36:31 AM | 0.27 | 241 | 567 | 27 |
| 8/4/12 | 8:37:31 AM | 0.27 | 241 | 568 | 27 |
| 8/4/12 | 8:38:31 AM | 0.28 | 241 | 568 | 27 |
| 8/4/12 | 8:39:31 AM | 0.27 | 241 | 569 | 27 |
| 8/4/12 | 8:40:31 AM | 0.27 | 240 | 569 | 27 |
| 8/4/12 | 8:41:31 AM | 0.27 | 241 | 571 | 27 |
| 8/4/12 | 8:42:31 AM | 0.27 | 240 | 575 | 27 |
| 8/4/12 | 8:43:31 AM | 0.27 | 240 | 578 | 27 |
| 8/4/12 | 8:44:31 AM | 0.27 | 240 | 578 | 27 |
| 8/4/12 | 8:45:31 AM | 0.27 | 240 | 580 | 27 |
| 8/4/12 | 8:46:31 AM | 0.28 | 240 | 579 | 27 |
| 8/4/12 | 8:47:31 AM | 0.28 | 241 | 579 | 27 |
| 8/4/12 | 8:48:31 AM | 0.28 | 240 | 580 | 27 |
| 8/4/12 | 8:49:31 AM | 0.27 | 240 | 579 | 27 |
| 8/4/12 | 8:50:31 AM | 0.27 | 239 | 579 | 27 |
| 8/4/12 | 8:51:31 AM | 0.27 | 239 | 578 | 27 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 8:52:31 AM | 0.27 | 239 | 578 | 27 |
| 8/4/12 | 8:53:31 AM | 0.28 | 239 | 577 | 27 |
| 8/4/12 | 8:54:31 AM | 0.28 | 239 | 577 | 27 |
| 8/4/12 | 8:55:31 AM | 0.28 | 239 | 578 | 27 |
| 8/4/12 | 8:56:31 AM | 0.28 | 238 | 577 | 27 |
| 8/4/12 | 8:57:31 AM | 0.27 | 239 | 579 | 27 |
| 8/4/12 | 8:58:31 AM | 0.28 | 239 | 579 | 27 |
| 8/4/12 | 8:59:31 AM | 0.28 | 239 | 578 | 27 |
| 8/4/12 | 9:00:31 AM | 0.28 | 238 | 578 | 27 |
| 8/4/12 | 9:01:31 AM | 0.28 | 238 | 577 | 27 |
| 8/4/12 | 9:02:31 AM | 0.28 | 238 | 577 | 27 |
| 8/4/12 | 9:03:31 AM | 0.28 | 237 | 574 | 27 |
| 8/4/12 | 9:04:31 AM | 0.28 | 237 | 574 | 27 |
| 8/4/12 | 9:05:31 AM | 0.28 | 237 | 576 | 27 |
| 8/4/12 | 9:06:31 AM | 0.28 | 236 | 578 | 27 |
| 8/4/12 | 9:07:31 AM | 0.28 | 235 | 578 | 27 |
| 8/4/12 | 9:08:31 AM | 0.28 | 236 | 575 | 27 |
| 8/4/12 | 9:09:31 AM | 0.28 | 236 | 573 | 27 |
| 8/4/12 | 9:10:31 AM | 0.28 | 236 | 574 | 27 |
| 8/4/12 | 9:11:31 AM | 0.28 | 235 | 576 | 27 |
| 8/4/12 | 9:12:31 AM | 0.28 | 235 | 578 | 27 |
| 8/4/12 | 9:13:31 AM | 0.28 | 235 | 577 | 27 |
| 8/4/12 | 9:14:31 AM | 0.28 | 235 | 578 | 27 |
| 8/4/12 | 9:15:31 AM | 0.28 | 234 | 577 | 26 |
| 8/4/12 | 9:16:31 AM | 0.27 | 234 | 545 | 26 |
| 8/4/12 | 9:17:31 AM | Start Calibration | | | |
| 8/4/12 | 9:18:31 AM | | | | |
| 8/4/12 | 9:19:31 AM | | | | |
| 8/4/12 | 9:20:31 AM | | | | |
| 8/4/12 | 9:21:31 AM | | | | |
| 8/4/12 | 9:22:31 AM | | | | |
| 8/4/12 | 9:23:31 AM | | | | |
| 8/4/12 | 9:24:31 AM | | | | |
| 8/4/12 | 9:25:31 AM | | | | |
| 8/4/12 | 9:26:31 AM | | | | |
| 8/4/12 | 9:27:31 AM | | | | |
| 8/4/12 | 9:28:31 AM | | | | |
| 8/4/12 | 9:29:31 AM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/4/12 9:30:31 AM | | | | |
| 8/4/12 9:31:31 AM | | | | |
| 8/4/12 9:32:31 AM | | | | |
| 8/4/12 9:33:31 AM | | | | |
| 8/4/12 9:34:31 AM | | | | |
| 8/4/12 9:35:31 AM | | | | |
| 8/4/12 9:36:31 AM | | | | |
| 8/4/12 9:37:31 AM | | | | |
| 8/4/12 9:38:31 AM | | | | |
| 8/4/12 9:39:31 AM | | | | |
| 8/4/12 9:40:31 AM | | | | |
| 8/4/12 9:41:31 AM | | | | |
| 8/4/12 9:42:31 AM | | | | |
| 8/4/12 9:43:31 AM | | | | |
| 8/4/12 9:44:31 AM | | | | |
| 8/4/12 9:45:31 AM | | | | |
| 8/4/12 9:46:31 AM | | | | |
| 8/4/12 9:47:31 AM | | | | |
| 8/4/12 9:48:31 AM | | | | |
| 8/4/12 9:49:31 AM | | | | |
| 8/4/12 9:50:31 AM | | | | |
| 8/4/12 9:51:31 AM | | | | |
| 8/4/12 9:52:31 AM | | | | |
| 8/4/12 9:53:31 AM | | | | |
| 8/4/12 9:54:31 AM | | | | |
| 8/4/12 9:55:31 AM | | | | |
| 8/4/12 9:56:31 AM | | | | |
| 8/4/12 9:57:31 AM | | | | |
| 8/4/12 9:58:31 AM | | | | |
| 8/4/12 9:59:31 AM | | | | |
| 8/4/12 10:00:31 AM | | | | |
| 8/4/12 10:01:31 AM | | | | |
| 8/4/12 10:02:31 AM | | | | |
| 8/4/12 10:03:31 AM | | | | |
| 8/4/12 10:04:31 AM | | | | |
| 8/4/12 10:05:31 AM | | | | |
| 8/4/12 10:06:31 AM | | | | |
| 8/4/12 10:07:31 AM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/4/12 10:08:31 AM | | | | |
| 8/4/12 10:09:31 AM | | | | |
| 8/4/12 10:10:31 AM | | | | |
| 8/4/12 10:11:31 AM | | | | |
| 8/4/12 10:12:31 AM | | | | |
| 8/4/12 10:13:31 AM | | | | |
| 8/4/12 10:14:31 AM | | | | |
| 8/4/12 10:15:31 AM | | | | |
| 8/4/12 10:16:31 AM | | | | |
| 8/4/12 10:17:31 AM | End Calibration | | | |
| 8/4/12 10:18:31 AM | 0.28 | 235 | 475 | 33 |
| 8/4/12 10:19:31 AM | 0.28 | 235 | 492 | 33 |
| 8/4/12 10:20:31 AM | 0.27 | 235 | 503 | 33 |
| 8/4/12 10:21:31 AM | 0.28 | 235 | 510 | 33 |
| 8/4/12 10:22:31 AM | 0.28 | 235 | 517 | 33 |
| 8/4/12 10:23:31 AM | 0.28 | 235 | 523 | 33 |
| 8/4/12 10:24:31 AM | 0.28 | 236 | 529 | 33 |
| 8/4/12 10:25:31 AM | 0.28 | 236 | 536 | 33 |
| 8/4/12 10:26:31 AM | 0.28 | 236 | 537 | 33 |
| 8/4/12 10:27:31 AM | 0.27 | 235 | 539 | 33 |
| 8/4/12 10:28:31 AM | 0.28 | 236 | 542 | 33 |
| 8/4/12 10:29:31 AM | 0.27 | 236 | 543 | 34 |
| 8/4/12 10:30:31 AM | 0.28 | 236 | 543 | 34 |
| 8/4/12 10:31:31 AM | 0.28 | 235 | 544 | 34 |
| 8/4/12 10:32:31 AM | 0.28 | 235 | 546 | 34 |
| 8/4/12 10:33:31 AM | 0.28 | 235 | 548 | 34 |
| 8/4/12 10:34:31 AM | 0.27 | 235 | 549 | 34 |
| 8/4/12 10:35:31 AM | 0.27 | 235 | 552 | 34 |
| 8/4/12 10:36:31 AM | 0.27 | 235 | 551 | 34 |
| 8/4/12 10:37:31 AM | 0.28 | 236 | 554 | 34 |
| 8/4/12 10:38:31 AM | 0.28 | 236 | 554 | 35 |
| 8/4/12 10:39:31 AM | 0.28 | 235 | 555 | 35 |
| 8/4/12 10:40:31 AM | 0.27 | 236 | 556 | 35 |
| 8/4/12 10:41:31 AM | 0.28 | 236 | 558 | 35 |
| 8/4/12 10:42:31 AM | 0.28 | 236 | 554 | 35 |
| 8/4/12 10:43:31 AM | 0.28 | 236 | 555 | 35 |
| 8/4/12 10:44:31 AM | 0.28 | 237 | 558 | 35 |
| 8/4/12 10:45:31 AM | 0.28 | 237 | 561 | 35 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 10:46:31 AM | 0.28 | 238 | 568 | 35 |
| 8/4/12 | 10:47:31 AM | 0.28 | 238 | 569 | 35 |
| 8/4/12 | 10:48:31 AM | 0.28 | 237 | 568 | 35 |
| 8/4/12 | 10:49:31 AM | 0.28 | 238 | 568 | 35 |
| 8/4/12 | 10:50:31 AM | 0.28 | 238 | 567 | 35 |
| 8/4/12 | 10:51:31 AM | 0.27 | 239 | 567 | 35 |
| 8/4/12 | 10:52:31 AM | 0.27 | 239 | 568 | 35 |
| 8/4/12 | 10:53:31 AM | 0.28 | 239 | 569 | 35 |
| 8/4/12 | 10:54:31 AM | 0.28 | 239 | 571 | 35 |
| 8/4/12 | 10:55:31 AM | 0.28 | 238 | 570 | 35 |
| 8/4/12 | 10:56:31 AM | 0.27 | 238 | 570 | 36 |
| 8/4/12 | 10:57:31 AM | 0.28 | 238 | 572 | 36 |
| 8/4/12 | 10:58:31 AM | 0.28 | 239 | 572 | 36 |
| 8/4/12 | 10:59:31 AM | 0.28 | 239 | 572 | 36 |
| 8/4/12 | 11:00:31 AM | 0.28 | 239 | 572 | 36 |
| 8/4/12 | 11:01:31 AM | 0.28 | 239 | 574 | 36 |
| 8/4/12 | 11:02:31 AM | 0.28 | 238 | 572 | 36 |
| 8/4/12 | 11:03:31 AM | 0.28 | 237 | 573 | 36 |
| 8/4/12 | 11:04:31 AM | 0.28 | 237 | 573 | 36 |
| 8/4/12 | 11:05:31 AM | 0.28 | 237 | 574 | 36 |
| 8/4/12 | 11:06:31 AM | 0.28 | 237 | 574 | 36 |
| 8/4/12 | 11:07:31 AM | 0.28 | 238 | 575 | 36 |
| 8/4/12 | 11:08:31 AM | 0.28 | 237 | 575 | 36 |
| 8/4/12 | 11:09:31 AM | 0.28 | 237 | 579 | 36 |
| 8/4/12 | 11:10:31 AM | 0.28 | 236 | 577 | 36 |
| 8/4/12 | 11:11:31 AM | 0.28 | 237 | 576 | 37 |
| 8/4/12 | 11:12:31 AM | 0.29 | 237 | 575 | 37 |
| 8/4/12 | 11:13:31 AM | 0.28 | 237 | 575 | 37 |
| 8/4/12 | 11:14:31 AM | 0.29 | 237 | 576 | 37 |
| 8/4/12 | 11:15:31 AM | 0.29 | 236 | 576 | 37 |
| 8/4/12 | 11:16:31 AM | 0.28 | 235 | 574 | 37 |
| 8/4/12 | 11:17:31 AM | 0.29 | 234 | 573 | 37 |
| 8/4/12 | 11:18:31 AM | 0.28 | 233 | 572 | 37 |
| 8/4/12 | 11:19:31 AM | 0.28 | 234 | 571 | 37 |
| 8/4/12 | 11:20:31 AM | 0.29 | 234 | 571 | 37 |
| 8/4/12 | 11:21:31 AM | 0.28 | 233 | 571 | 37 |
| 8/4/12 | 11:22:31 AM | 0.29 | 233 | 570 | 37 |
| 8/4/12 | 11:23:31 AM | 0.29 | 233 | 571 | 37 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 11:24:31 AM | 0.28 | 234 | 571 | 37 |
| 8/4/12 | 11:25:31 AM | 0.29 | 235 | 572 | 37 |
| 8/4/12 | 11:26:31 AM | 0.29 | 235 | 572 | 37 |
| 8/4/12 | 11:27:31 AM | 0.29 | 235 | 573 | 37 |
| 8/4/12 | 11:28:31 AM | 0.28 | 234 | 572 | 37 |
| 8/4/12 | 11:29:31 AM | 0.28 | 234 | 569 | 37 |
| 8/4/12 | 11:30:31 AM | 0.28 | 235 | 572 | 37 |
| 8/4/12 | 11:31:31 AM | 0.28 | 233 | 570 | 37 |
| 8/4/12 | 11:32:31 AM | 0.28 | 233 | 568 | 37 |
| 8/4/12 | 11:33:31 AM | 0.29 | 234 | 569 | 37 |
| 8/4/12 | 11:34:31 AM | 0.29 | 233 | 570 | 37 |
| 8/4/12 | 11:35:31 AM | 0.29 | 232 | 568 | 37 |
| 8/4/12 | 11:36:31 AM | 0.29 | 232 | 567 | 37 |
| 8/4/12 | 11:37:31 AM | 0.29 | 232 | 567 | 37 |
| 8/4/12 | 11:38:31 AM | 0.29 | 232 | 567 | 37 |
| 8/4/12 | 11:39:31 AM | 0.29 | 233 | 569 | 37 |
| 8/4/12 | 11:40:31 AM | 0.29 | 234 | 571 | 37 |
| 8/4/12 | 11:41:31 AM | 0.28 | 234 | 573 | 38 |
| 8/4/12 | 11:42:31 AM | 0.29 | 234 | 572 | 38 |
| 8/4/12 | 11:43:31 AM | 0.29 | 234 | 570 | 38 |
| 8/4/12 | 11:44:31 AM | 0.29 | 233 | 570 | 38 |
| 8/4/12 | 11:45:31 AM | 0.29 | 232 | 573 | 38 |
| 8/4/12 | 11:46:31 AM | 0.29 | 233 | 576 | 38 |
| 8/4/12 | 11:47:31 AM | 0.29 | 233 | 575 | 38 |
| 8/4/12 | 11:48:31 AM | 0.29 | 232 | 573 | 38 |
| 8/4/12 | 11:49:31 AM | 0.29 | 232 | 575 | 38 |
| 8/4/12 | 11:50:31 AM | 0.28 | 231 | 571 | 38 |
| 8/4/12 | 11:51:31 AM | 0.29 | 233 | 569 | 38 |
| 8/4/12 | 11:52:31 AM | 0.28 | 233 | 570 | 38 |
| 8/4/12 | 11:53:31 AM | 0.28 | 233 | 568 | 38 |
| 8/4/12 | 11:54:31 AM | 0.28 | 232 | 565 | 38 |
| 8/4/12 | 11:55:31 AM | 0.28 | 231 | 566 | 38 |
| 8/4/12 | 11:56:31 AM | 0.28 | 231 | 563 | 37 |
| 8/4/12 | 11:57:31 AM | 0.28 | 232 | 564 | 37 |
| 8/4/12 | 11:58:31 AM | 0.28 | 232 | 566 | 37 |
| 8/4/12 | 11:59:31 AM | 0.28 | 233 | 567 | 38 |
| 8/4/12 | 12:00:31 PM | 0.28 | 234 | 569 | 38 |
| 8/4/12 | 12:01:31 PM | 0.28 | 235 | 571 | 38 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 12:02:31 PM | 0.29 | 235 | 569 | 38 |
| 8/4/12 | 12:03:31 PM | 0.28 | 234 | 571 | 38 |
| 8/4/12 | 12:04:31 PM | 0.28 | 233 | 571 | 38 |
| 8/4/12 | 12:05:31 PM | 0.29 | 234 | 571 | 38 |
| 8/4/12 | 12:06:31 PM | 0.29 | 235 | 573 | 38 |
| 8/4/12 | 12:07:31 PM | 0.29 | 234 | 573 | 38 |
| 8/4/12 | 12:08:31 PM | 0.28 | 233 | 572 | 38 |
| 8/4/12 | 12:09:31 PM | 0.29 | 232 | 571 | 38 |
| 8/4/12 | 12:10:31 PM | 0.29 | 232 | 570 | 38 |
| 8/4/12 | 12:11:31 PM | 0.29 | 232 | 569 | 38 |
| 8/4/12 | 12:12:31 PM | 0.29 | 233 | 573 | 38 |
| 8/4/12 | 12:13:31 PM | 0.29 | 232 | 577 | 38 |
| 8/4/12 | 12:14:31 PM | 0.28 | 232 | 578 | 38 |
| 8/4/12 | 12:15:31 PM | 0.29 | 233 | 577 | 38 |
| 8/4/12 | 12:16:31 PM | 0.28 | 234 | 582 | 38 |
| 8/4/12 | 12:17:31 PM | 0.28 | 234 | 580 | 38 |
| 8/4/12 | 12:18:31 PM | 0.28 | 234 | 580 | 38 |
| 8/4/12 | 12:19:31 PM | 0.28 | 233 | 579 | 38 |
| 8/4/12 | 12:20:31 PM | 0.28 | 233 | 577 | 38 |
| 8/4/12 | 12:21:31 PM | 0.28 | 233 | 580 | 38 |
| 8/4/12 | 12:22:31 PM | 0.28 | 232 | 579 | 38 |
| 8/4/12 | 12:23:31 PM | 0.29 | 232 | 577 | 38 |
| 8/4/12 | 12:24:31 PM | 0.29 | 231 | 577 | 38 |
| 8/4/12 | 12:25:31 PM | 0.29 | 232 | 577 | 38 |
| 8/4/12 | 12:26:31 PM | 0.29 | 232 | 577 | 38 |
| 8/4/12 | 12:27:31 PM | 0.28 | 232 | 578 | 38 |
| 8/4/12 | 12:28:31 PM | 0.29 | 232 | 579 | 38 |
| 8/4/12 | 12:29:31 PM | 0.28 | 232 | 578 | 38 |
| 8/4/12 | 12:30:31 PM | 0.29 | 233 | 577 | 38 |
| 8/4/12 | 12:31:31 PM | 0.29 | 233 | 578 | 38 |
| 8/4/12 | 12:32:31 PM | 0.29 | 233 | 578 | 39 |
| 8/4/12 | 12:33:31 PM | 0.29 | 233 | 579 | 39 |
| 8/4/12 | 12:34:31 PM | 0.28 | 233 | 580 | 39 |
| 8/4/12 | 12:35:31 PM | 0.29 | 234 | 581 | 38 |
| 8/4/12 | 12:36:31 PM | 0.29 | 234 | 583 | 38 |
| 8/4/12 | 12:37:31 PM | 0.29 | 234 | 584 | 38 |
| 8/4/12 | 12:38:31 PM | 0.28 | 235 | 582 | 38 |
| 8/4/12 | 12:39:31 PM | 0.28 | 235 | 581 | 38 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 12:40:31 PM | 0.28 | 236 | 582 | 38 |
| 8/4/12 | 12:41:31 PM | 0.28 | 236 | 582 | 39 |
| 8/4/12 | 12:42:31 PM | 0.28 | 236 | 581 | 39 |
| 8/4/12 | 12:43:31 PM | 0.28 | 236 | 583 | 39 |
| 8/4/12 | 12:44:31 PM | 0.28 | 236 | 586 | 38 |
| 8/4/12 | 12:45:31 PM | 0.28 | 236 | 580 | 38 |
| 8/4/12 | 12:46:31 PM | 0.29 | 236 | 582 | 38 |
| 8/4/12 | 12:47:31 PM | 0.28 | 235 | 579 | 39 |
| 8/4/12 | 12:48:31 PM | 0.29 | 235 | 577 | 39 |
| 8/4/12 | 12:49:31 PM | 0.29 | 235 | 576 | 39 |
| 8/4/12 | 12:50:31 PM | 0.28 | 234 | 573 | 39 |
| 8/4/12 | 12:51:31 PM | 0.28 | 234 | 572 | 39 |
| 8/4/12 | 12:52:31 PM | 0.29 | 234 | 570 | 39 |
| 8/4/12 | 12:53:31 PM | 0.29 | 234 | 571 | 39 |
| 8/4/12 | 12:54:31 PM | 0.29 | 234 | 570 | 39 |
| 8/4/12 | 12:55:31 PM | 0.29 | 232 | 567 | 39 |
| 8/4/12 | 12:56:31 PM | 0.29 | 233 | 567 | 39 |
| 8/4/12 | 12:57:31 PM | 0.29 | 233 | 568 | 39 |
| 8/4/12 | 12:58:31 PM | 0.29 | 233 | 566 | 39 |
| 8/4/12 | 12:59:31 PM | 0.29 | 234 | 565 | 39 |
| 8/4/12 | 1:00:31 PM | 0.29 | 235 | 566 | 39 |
| 8/4/12 | 1:01:31 PM | 0.29 | 235 | 568 | 39 |
| 8/4/12 | 1:02:31 PM | 0.29 | 234 | 565 | 39 |
| 8/4/12 | 1:03:31 PM | 0.29 | 233 | 563 | 39 |
| 8/4/12 | 1:04:31 PM | 0.28 | 234 | 565 | 39 |
| 8/4/12 | 1:05:31 PM | 0.28 | 236 | 562 | 38 |
| 8/4/12 | 1:06:31 PM | 0.28 | 236 | 562 | 38 |
| 8/4/12 | 1:07:31 PM | 0.28 | 236 | 561 | 38 |
| 8/4/12 | 1:08:31 PM | 0.29 | 236 | 563 | 38 |
| 8/4/12 | 1:09:31 PM | 0.28 | 236 | 562 | 38 |
| 8/4/12 | 1:10:31 PM | 0.28 | 236 | 561 | 38 |
| 8/4/12 | 1:11:31 PM | 0.28 | 235 | 555 | 38 |
| 8/4/12 | 1:12:31 PM | 0.28 | 234 | 557 | 38 |
| 8/4/12 | 1:13:31 PM | 0.29 | 233 | 557 | 38 |
| 8/4/12 | 1:14:31 PM | 0.29 | 232 | 559 | 38 |
| 8/4/12 | 1:15:31 PM | 0.29 | 232 | 559 | 38 |
| 8/4/12 | 1:16:31 PM | 0.29 | 233 | 562 | 38 |
| 8/4/12 | 1:17:31 PM | 0.29 | 232 | 564 | 38 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 1:18:31 PM | 0.28 | 233 | 562 | 38 |
| 8/4/12 | 1:19:31 PM | 0.28 | 234 | 566 | 38 |
| 8/4/12 | 1:20:31 PM | 0.28 | 234 | 570 | 38 |
| 8/4/12 | 1:21:31 PM | 0.29 | 234 | 568 | 38 |
| 8/4/12 | 1:22:31 PM | 0.28 | 234 | 570 | 38 |
| 8/4/12 | 1:23:31 PM | 0.28 | 234 | 571 | 38 |
| 8/4/12 | 1:24:31 PM | 0.28 | 235 | 572 | 38 |
| 8/4/12 | 1:25:31 PM | 0.28 | 235 | 573 | 38 |
| 8/4/12 | 1:26:31 PM | 0.28 | 235 | 572 | 38 |
| 8/4/12 | 1:27:31 PM | 0.28 | 235 | 572 | 38 |
| 8/4/12 | 1:28:31 PM | 0.28 | 234 | 572 | 38 |
| 8/4/12 | 1:29:31 PM | 0.28 | 232 | 567 | 38 |
| 8/4/12 | 1:30:31 PM | 0.28 | 231 | 565 | 37 |
| 8/4/12 | 1:31:31 PM | 0.29 | 232 | 567 | 37 |
| 8/4/12 | 1:32:31 PM | 0.28 | 232 | 569 | 38 |
| 8/4/12 | 1:33:31 PM | 0.28 | 231 | 569 | 38 |
| 8/4/12 | 1:34:31 PM | 0.28 | 232 | 585 | 38 |
| 8/4/12 | 1:35:31 PM | 0.28 | 230 | 593 | 37 |
| 8/4/12 | 1:36:31 PM | 0.28 | 230 | 595 | 37 |
| 8/4/12 | 1:37:31 PM | 0.28 | 230 | 590 | 37 |
| 8/4/12 | 1:38:31 PM | 0.28 | 230 | 586 | 37 |
| 8/4/12 | 1:39:31 PM | 0.28 | 230 | 583 | 37 |
| 8/4/12 | 1:40:31 PM | 0.28 | 230 | 582 | 37 |
| 8/4/12 | 1:41:31 PM | 0.28 | 231 | 583 | 38 |
| 8/4/12 | 1:42:31 PM | 0.29 | 232 | 586 | 38 |
| 8/4/12 | 1:43:31 PM | 0.29 | 232 | 586 | 38 |
| 8/4/12 | 1:44:31 PM | 0.29 | 232 | 584 | 38 |
| 8/4/12 | 1:45:31 PM | 0.28 | 232 | 580 | 38 |
| 8/4/12 | 1:46:31 PM | 0.28 | 233 | 580 | 38 |
| 8/4/12 | 1:47:31 PM | 0.28 | 234 | 577 | 37 |
| 8/4/12 | 1:48:31 PM | 0.28 | 234 | 578 | 37 |
| 8/4/12 | 1:49:31 PM | 0.28 | 235 | 575 | 37 |
| 8/4/12 | 1:50:31 PM | 0.28 | 235 | 574 | 37 |
| 8/4/12 | 1:51:31 PM | 0.28 | 234 | 572 | 37 |
| 8/4/12 | 1:52:31 PM | 0.28 | 233 | 564 | 37 |
| 8/4/12 | 1:53:31 PM | 0.28 | 234 | 563 | 37 |
| 8/4/12 | 1:54:31 PM | 0.28 | 233 | 564 | 37 |
| 8/4/12 | 1:55:31 PM | 0.28 | 233 | 565 | 37 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 1:56:31 PM | 0.28 | 233 | 566 | 37 |
| 8/4/12 | 1:57:31 PM | 0.28 | 233 | 567 | 37 |
| 8/4/12 | 1:58:31 PM | 0.28 | 232 | 567 | 37 |
| 8/4/12 | 1:59:31 PM | 0.28 | 232 | 567 | 37 |
| 8/4/12 | 2:00:31 PM | 0.28 | 232 | 567 | 37 |
| 8/4/12 | 2:01:31 PM | 0.28 | 231 | 567 | 37 |
| 8/4/12 | 2:02:31 PM | 0.28 | 231 | 567 | 36 |
| 8/4/12 | 2:03:31 PM | 0.29 | 231 | 565 | 36 |
| 8/4/12 | 2:04:31 PM | 0.28 | 231 | 568 | 36 |
| 8/4/12 | 2:05:31 PM | 0.28 | 232 | 571 | 36 |
| 8/4/12 | 2:06:31 PM | 0.28 | 231 | 571 | 36 |
| 8/4/12 | 2:07:31 PM | 0.29 | 230 | 567 | 36 |
| 8/4/12 | 2:08:31 PM | 0.28 | 230 | 567 | 36 |
| 8/4/12 | 2:09:31 PM | 0.29 | 230 | 565 | 36 |
| 8/4/12 | 2:10:31 PM | 0.28 | 229 | 564 | 36 |
| 8/4/12 | 2:11:31 PM | 0.28 | 229 | 562 | 35 |
| 8/4/12 | 2:12:31 PM | 0.28 | 230 | 564 | 35 |
| 8/4/12 | 2:13:31 PM | 0.28 | 231 | 567 | 35 |
| 8/4/12 | 2:14:31 PM | 0.28 | 231 | 566 | 35 |
| 8/4/12 | 2:15:31 PM | 0.28 | 231 | 567 | 35 |
| 8/4/12 | 2:16:31 PM | 0.28 | 231 | 566 | 35 |
| 8/4/12 | 2:17:31 PM | 0.28 | 230 | 571 | 35 |
| 8/4/12 | 2:18:31 PM | 0.28 | 229 | 569 | 35 |
| 8/4/12 | 2:19:31 PM | 0.28 | 228 | 567 | 35 |
| 8/4/12 | 2:20:31 PM | 0.28 | 229 | 568 | 34 |
| 8/4/12 | 2:21:31 PM | 0.29 | 230 | 570 | 34 |
| 8/4/12 | 2:22:31 PM | 0.29 | 230 | 571 | 34 |
| 8/4/12 | 2:23:31 PM | 0.28 | 231 | 574 | 58 |
| 8/4/12 | 2:24:31 PM | 0.29 | 232 | 578 | 63 |
| 8/4/12 | 2:25:31 PM | 0.28 | 232 | 578 | 63 |
| 8/4/12 | 2:26:31 PM | 0.28 | 232 | 576 | 88 |
| 8/4/12 | 2:27:31 PM | 0.28 | 232 | 575 | 94 |
| 8/4/12 | 2:28:31 PM | 0.28 | 230 | 568 | 94 |
| 8/4/12 | 2:29:31 PM | 0.28 | 229 | 569 | 100 |
| 8/4/12 | 2:30:31 PM | 0.28 | 229 | 566 | 102 |
| 8/4/12 | 2:31:31 PM | 0.28 | 228 | 560 | 102 |
| 8/4/12 | 2:32:31 PM | 0.29 | 228 | 561 | 102 |
| 8/4/12 | 2:33:31 PM | 0.28 | 229 | 563 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 2:34:31 PM | 0.28 | 229 | 560 | 102 |
| 8/4/12 | 2:35:31 PM | 0.28 | 228 | 563 | 102 |
| 8/4/12 | 2:36:31 PM | 0.28 | 228 | 562 | 102 |
| 8/4/12 | 2:37:31 PM | 0.28 | 229 | 562 | 102 |
| 8/4/12 | 2:38:31 PM | 0.29 | 228 | 563 | 102 |
| 8/4/12 | 2:39:31 PM | 0.29 | 228 | 564 | 102 |
| 8/4/12 | 2:40:31 PM | 0.29 | 228 | 565 | 102 |
| 8/4/12 | 2:41:31 PM | 0.29 | 229 | 563 | 102 |
| 8/4/12 | 2:42:31 PM | 0.29 | 230 | 564 | 102 |
| 8/4/12 | 2:43:31 PM | 0.29 | 231 | 568 | 102 |
| 8/4/12 | 2:44:31 PM | 0.29 | 231 | 566 | 102 |
| 8/4/12 | 2:45:31 PM | 0.29 | 230 | 565 | 102 |
| 8/4/12 | 2:46:31 PM | 0.29 | 231 | 568 | 102 |
| 8/4/12 | 2:47:31 PM | 0.30 | 231 | 568 | 102 |
| 8/4/12 | 2:48:31 PM | 0.29 | 230 | 567 | 102 |
| 8/4/12 | 2:49:31 PM | 0.29 | 230 | 566 | 102 |
| 8/4/12 | 2:50:31 PM | 0.29 | 231 | 566 | 102 |
| 8/4/12 | 2:51:31 PM | 0.29 | 231 | 566 | 102 |
| 8/4/12 | 2:52:31 PM | 0.28 | 231 | 566 | 102 |
| 8/4/12 | 2:53:31 PM | 0.28 | 232 | 566 | 102 |
| 8/4/12 | 2:54:31 PM | 0.29 | 232 | 570 | 102 |
| 8/4/12 | 2:55:31 PM | 0.29 | 231 | 570 | 102 |
| 8/4/12 | 2:56:31 PM | 0.29 | 231 | 569 | 102 |
| 8/4/12 | 2:57:31 PM | 0.29 | 230 | 566 | 102 |
| 8/4/12 | 2:58:31 PM | 0.28 | 231 | 563 | 102 |
| 8/4/12 | 2:59:31 PM | 0.28 | 231 | 567 | 102 |
| 8/4/12 | 3:00:31 PM | 0.28 | 232 | 568 | 102 |
| 8/4/12 | 3:01:31 PM | 0.28 | 233 | 570 | 102 |
| 8/4/12 | 3:02:31 PM | 0.28 | 235 | 571 | 102 |
| 8/4/12 | 3:03:31 PM | 0.28 | 235 | 577 | 102 |
| 8/4/12 | 3:04:31 PM | 0.28 | 236 | 580 | 102 |
| 8/4/12 | 3:05:31 PM | 0.28 | 236 | 576 | 102 |
| 8/4/12 | 3:06:31 PM | 0.28 | 234 | 573 | 102 |
| 8/4/12 | 3:07:31 PM | 0.28 | 234 | 575 | 102 |
| 8/4/12 | 3:08:31 PM | 0.28 | 234 | 572 | 102 |
| 8/4/12 | 3:09:31 PM | 0.28 | 235 | 571 | 102 |
| 8/4/12 | 3:10:31 PM | 0.28 | 236 | 572 | 102 |
| 8/4/12 | 3:11:31 PM | 0.28 | 235 | 572 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 3:12:31 PM | 0.28 | 235 | 572 | 102 |
| 8/4/12 | 3:13:31 PM | 0.27 | 235 | 572 | 102 |
| 8/4/12 | 3:14:31 PM | 0.28 | 234 | 570 | 102 |
| 8/4/12 | 3:15:31 PM | 0.28 | 233 | 570 | 102 |
| 8/4/12 | 3:16:31 PM | 0.28 | 233 | 567 | 102 |
| 8/4/12 | 3:17:31 PM | 0.28 | 233 | 568 | 102 |
| 8/4/12 | 3:18:31 PM | 0.28 | 232 | 567 | 102 |
| 8/4/12 | 3:19:31 PM | 0.28 | 233 | 571 | 102 |
| 8/4/12 | 3:20:31 PM | 0.28 | 234 | 570 | 102 |
| 8/4/12 | 3:21:31 PM | 0.29 | 233 | 575 | 102 |
| 8/4/12 | 3:22:31 PM | 0.28 | 233 | 578 | 102 |
| 8/4/12 | 3:23:31 PM | 0.28 | 232 | 576 | 102 |
| 8/4/12 | 3:24:31 PM | 0.28 | 232 | 573 | 102 |
| 8/4/12 | 3:25:31 PM | 0.28 | 233 | 572 | 102 |
| 8/4/12 | 3:26:31 PM | 0.28 | 233 | 571 | 102 |
| 8/4/12 | 3:27:31 PM | 0.28 | 233 | 570 | 102 |
| 8/4/12 | 3:28:31 PM | 0.28 | 232 | 568 | 102 |
| 8/4/12 | 3:29:31 PM | 0.28 | 233 | 565 | 102 |
| 8/4/12 | 3:30:31 PM | 0.28 | 233 | 566 | 102 |
| 8/4/12 | 3:31:31 PM | 0.28 | 232 | 564 | 102 |
| 8/4/12 | 3:32:31 PM | 0.28 | 232 | 560 | 102 |
| 8/4/12 | 3:33:31 PM | 0.28 | 231 | 558 | 102 |
| 8/4/12 | 3:34:31 PM | 0.28 | 232 | 558 | 102 |
| 8/4/12 | 3:35:31 PM | 0.28 | 231 | 560 | 102 |
| 8/4/12 | 3:36:31 PM | 0.28 | 230 | 558 | 102 |
| 8/4/12 | 3:37:31 PM | 0.28 | 230 | 557 | 102 |
| 8/4/12 | 3:38:31 PM | 0.28 | 230 | 556 | 102 |
| 8/4/12 | 3:39:31 PM | 0.28 | 230 | 556 | 102 |
| 8/4/12 | 3:40:31 PM | 0.28 | 229 | 554 | 102 |
| 8/4/12 | 3:41:31 PM | 0.28 | 229 | 553 | 102 |
| 8/4/12 | 3:42:31 PM | 0.28 | 229 | 551 | 102 |
| 8/4/12 | 3:43:31 PM | 0.28 | 229 | 548 | 102 |
| 8/4/12 | 3:44:31 PM | 0.28 | 230 | 550 | 102 |
| 8/4/12 | 3:45:31 PM | 0.28 | 229 | 550 | 102 |
| 8/4/12 | 3:46:31 PM | 0.28 | 230 | 547 | 102 |
| 8/4/12 | 3:47:31 PM | 0.28 | 231 | 548 | 102 |
| 8/4/12 | 3:48:31 PM | 0.28 | 232 | 547 | 102 |
| 8/4/12 | 3:49:31 PM | 0.28 | 231 | 546 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 3:50:31 PM | 0.28 | 231 | 546 | 102 |
| 8/4/12 | 3:51:31 PM | 0.28 | 231 | 544 | 102 |
| 8/4/12 | 3:52:31 PM | 0.28 | 231 | 543 | 102 |
| 8/4/12 | 3:53:31 PM | 0.28 | 229 | 545 | 102 |
| 8/4/12 | 3:54:31 PM | 0.28 | 228 | 542 | 102 |
| 8/4/12 | 3:55:31 PM | 0.28 | 228 | 542 | 102 |
| 8/4/12 | 3:56:31 PM | 0.28 | 228 | 541 | 102 |
| 8/4/12 | 3:57:31 PM | 0.28 | 227 | 538 | 102 |
| 8/4/12 | 3:58:31 PM | 0.28 | 226 | 535 | 102 |
| 8/4/12 | 3:59:31 PM | 0.28 | 226 | 533 | 102 |
| 8/4/12 | 4:00:31 PM | 0.28 | 227 | 535 | 102 |
| 8/4/12 | 4:01:31 PM | 0.28 | 226 | 536 | 102 |
| 8/4/12 | 4:02:31 PM | 0.28 | 226 | 534 | 102 |
| 8/4/12 | 4:03:31 PM | 0.28 | 226 | 536 | 102 |
| 8/4/12 | 4:04:31 PM | 0.28 | 226 | 533 | 102 |
| 8/4/12 | 4:05:31 PM | 0.28 | 225 | 531 | 102 |
| 8/4/12 | 4:06:31 PM | 0.28 | 224 | 530 | 102 |
| 8/4/12 | 4:07:31 PM | 0.28 | 225 | 526 | 102 |
| 8/4/12 | 4:08:31 PM | 0.28 | 225 | 527 | 102 |
| 8/4/12 | 4:09:31 PM | 0.28 | 227 | 530 | 102 |
| 8/4/12 | 4:10:31 PM | 0.28 | 228 | 531 | 102 |
| 8/4/12 | 4:11:31 PM | 0.28 | 226 | 531 | 102 |
| 8/4/12 | 4:12:31 PM | 0.28 | 226 | 528 | 102 |
| 8/4/12 | 4:13:31 PM | 0.28 | 227 | 527 | 102 |
| 8/4/12 | 4:14:31 PM | 0.28 | 227 | 527 | 102 |
| 8/4/12 | 4:15:31 PM | 0.28 | 227 | 530 | 102 |
| 8/4/12 | 4:16:31 PM | 0.28 | 228 | 531 | 102 |
| 8/4/12 | 4:17:31 PM | 0.28 | 228 | 533 | 102 |
| 8/4/12 | 4:18:31 PM | 0.28 | 228 | 533 | 102 |
| 8/4/12 | 4:19:31 PM | 0.28 | 229 | 533 | 102 |
| 8/4/12 | 4:20:31 PM | 0.28 | 229 | 533 | 102 |
| 8/4/12 | 4:21:31 PM | 0.27 | 228 | 532 | 102 |
| 8/4/12 | 4:22:31 PM | 0.28 | 228 | 532 | 102 |
| 8/4/12 | 4:23:31 PM | 0.28 | 228 | 532 | 102 |
| 8/4/12 | 4:24:31 PM | 0.28 | 228 | 531 | 102 |
| 8/4/12 | 4:25:31 PM | 0.28 | 229 | 530 | 102 |
| 8/4/12 | 4:26:31 PM | 0.28 | 230 | 531 | 101 |
| 8/4/12 | 4:27:31 PM | 0.28 | 230 | 532 | 101 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 4:28:31 PM | 0.28 | 229 | 532 | 101 |
| 8/4/12 | 4:29:31 PM | 0.28 | 229 | 532 | 101 |
| 8/4/12 | 4:30:31 PM | 0.28 | 229 | 529 | 101 |
| 8/4/12 | 4:31:31 PM | 0.28 | 228 | 527 | 101 |
| 8/4/12 | 4:32:31 PM | 0.28 | 229 | 527 | 100 |
| 8/4/12 | 4:33:31 PM | 0.28 | 230 | 526 | 100 |
| 8/4/12 | 4:34:31 PM | 0.28 | 231 | 529 | 100 |
| 8/4/12 | 4:35:31 PM | 0.28 | 232 | 530 | 100 |
| 8/4/12 | 4:36:31 PM | 0.28 | 231 | 532 | 100 |
| 8/4/12 | 4:37:31 PM | 0.28 | 231 | 531 | 100 |
| 8/4/12 | 4:38:31 PM | 0.28 | 230 | 532 | 98 |
| 8/4/12 | 4:39:31 PM | 0.28 | 230 | 537 | 98 |
| 8/4/12 | 4:40:31 PM | 0.28 | 229 | 537 | 98 |
| 8/4/12 | 4:41:31 PM | 0.28 | 227 | 533 | 98 |
| 8/4/12 | 4:42:31 PM | 0.28 | 227 | 529 | 98 |
| 8/4/12 | 4:43:31 PM | 0.28 | 226 | 529 | 98 |
| 8/4/12 | 4:44:31 PM | 0.28 | 226 | 526 | 97 |
| 8/4/12 | 4:45:31 PM | 0.28 | 227 | 525 | 97 |
| 8/4/12 | 4:46:31 PM | 0.28 | 226 | 525 | 97 |
| 8/4/12 | 4:47:31 PM | 0.28 | 227 | 523 | 97 |
| 8/4/12 | 4:48:31 PM | 0.28 | 227 | 523 | 96 |
| 8/4/12 | 4:49:31 PM | 0.28 | 226 | 522 | 96 |
| 8/4/12 | 4:50:31 PM | 0.28 | 226 | 521 | 95 |
| 8/4/12 | 4:51:31 PM | 0.28 | 225 | 522 | 95 |
| 8/4/12 | 4:52:31 PM | 0.28 | 225 | 522 | 95 |
| 8/4/12 | 4:53:31 PM | 0.28 | 225 | 522 | 95 |
| 8/4/12 | 4:54:31 PM | 0.28 | 224 | 522 | 95 |
| 8/4/12 | 4:55:31 PM | 0.28 | 224 | 523 | 95 |
| 8/4/12 | 4:56:31 PM | 0.28 | 224 | 524 | 95 |
| 8/4/12 | 4:57:31 PM | 0.28 | 224 | 522 | 95 |
| 8/4/12 | 4:58:31 PM | 0.28 | 225 | 522 | 95 |
| 8/4/12 | 4:59:31 PM | 0.28 | 225 | 522 | 95 |
| 8/4/12 | 5:00:31 PM | 0.28 | 225 | 522 | 95 |
| 8/4/12 | 5:01:31 PM | 0.28 | 226 | 522 | 95 |
| 8/4/12 | 5:02:31 PM | 0.28 | 225 | 522 | 94 |
| 8/4/12 | 5:03:31 PM | 0.28 | 224 | 520 | 94 |
| 8/4/12 | 5:04:31 PM | 0.28 | 225 | 517 | 94 |
| 8/4/12 | 5:05:31 PM | 0.28 | 225 | 516 | 93 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 5:06:31 PM | 0.28 | 226 | 517 | 93 |
| 8/4/12 | 5:07:31 PM | 0.28 | 227 | 517 | 93 |
| 8/4/12 | 5:08:31 PM | 0.27 | 227 | 517 | 93 |
| 8/4/12 | 5:09:31 PM | 0.28 | 226 | 517 | 93 |
| 8/4/12 | 5:10:31 PM | 0.28 | 226 | 517 | 93 |
| 8/4/12 | 5:11:31 PM | 0.28 | 225 | 516 | 92 |
| 8/4/12 | 5:12:31 PM | 0.28 | 226 | 514 | 91 |
| 8/4/12 | 5:13:31 PM | 0.28 | 226 | 514 | 91 |
| 8/4/12 | 5:14:31 PM | 0.28 | 228 | 514 | 91 |
| 8/4/12 | 5:15:31 PM | 0.28 | 229 | 517 | 91 |
| 8/4/12 | 5:16:31 PM | 0.28 | 229 | 517 | 91 |
| 8/4/12 | 5:17:31 PM | 0.28 | 228 | 518 | 90 |
| 8/4/12 | 5:18:31 PM | 0.28 | 227 | 516 | 90 |
| 8/4/12 | 5:19:31 PM | 0.28 | 227 | 516 | 90 |
| 8/4/12 | 5:20:31 PM | 0.28 | 229 | 516 | 89 |
| 8/4/12 | 5:21:31 PM | 0.28 | 229 | 519 | 89 |
| 8/4/12 | 5:22:31 PM | 0.28 | 230 | 518 | 89 |
| 8/4/12 | 5:23:31 PM | 0.28 | 230 | 515 | 88 |
| 8/4/12 | 5:24:31 PM | 0.28 | 229 | 516 | 88 |
| 8/4/12 | 5:25:31 PM | 0.28 | 228 | 515 | 88 |
| 8/4/12 | 5:26:31 PM | 0.28 | 228 | 512 | 88 |
| 8/4/12 | 5:27:31 PM | 0.28 | 228 | 514 | 87 |
| 8/4/12 | 5:28:31 PM | 0.28 | 229 | 515 | 87 |
| 8/4/12 | 5:29:31 PM | 0.28 | 228 | 513 | 87 |
| 8/4/12 | 5:30:31 PM | 0.28 | 228 | 513 | 87 |
| 8/4/12 | 5:31:31 PM | 0.28 | 228 | 515 | 87 |
| 8/4/12 | 5:32:31 PM | 0.28 | 229 | 513 | 86 |
| 8/4/12 | 5:33:31 PM | 0.28 | 230 | 516 | 86 |
| 8/4/12 | 5:34:31 PM | 0.28 | 230 | 518 | 86 |
| 8/4/12 | 5:35:31 PM | 0.28 | 231 | 521 | 85 |
| 8/4/12 | 5:36:31 PM | 0.28 | 231 | 522 | 85 |
| 8/4/12 | 5:37:31 PM | 0.27 | 231 | 521 | 85 |
| 8/4/12 | 5:38:31 PM | 0.28 | 231 | 521 | 85 |
| 8/4/12 | 5:39:31 PM | 0.28 | 231 | 518 | 85 |
| 8/4/12 | 5:40:31 PM | 0.28 | 231 | 518 | 85 |
| 8/4/12 | 5:41:31 PM | 0.28 | 231 | 520 | 84 |
| 8/4/12 | 5:42:31 PM | 0.28 | 232 | 519 | 84 |
| 8/4/12 | 5:43:31 PM | 0.28 | 233 | 521 | 84 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 5:44:31 PM | 0.28 | 233 | 521 | 83 |
| 8/4/12 | 5:45:31 PM | 0.28 | 232 | 520 | 83 |
| 8/4/12 | 5:46:31 PM | 0.28 | 231 | 519 | 83 |
| 8/4/12 | 5:47:31 PM | 0.28 | 230 | 518 | 82 |
| 8/4/12 | 5:48:31 PM | 0.28 | 231 | 517 | 82 |
| 8/4/12 | 5:49:31 PM | 0.28 | 230 | 517 | 82 |
| 8/4/12 | 5:50:31 PM | 0.28 | 230 | 518 | 81 |
| 8/4/12 | 5:51:31 PM | 0.28 | 231 | 516 | 81 |
| 8/4/12 | 5:52:31 PM | 0.28 | 231 | 518 | 81 |
| 8/4/12 | 5:53:31 PM | 0.28 | 230 | 518 | 84 |
| 8/4/12 | 5:54:31 PM | 0.27 | 230 | 517 | 85 |
| 8/4/12 | 5:55:31 PM | 0.28 | 230 | 515 | 85 |
| 8/4/12 | 5:56:31 PM | 0.28 | 230 | 514 | 98 |
| 8/4/12 | 5:57:31 PM | 0.28 | 228 | 512 | 100 |
| 8/4/12 | 5:58:31 PM | 0.28 | 228 | 512 | 100 |
| 8/4/12 | 5:59:31 PM | 0.28 | 228 | 513 | 102 |
| 8/4/12 | 6:00:31 PM | 0.28 | 227 | 508 | 102 |
| 8/4/12 | 6:01:31 PM | 0.28 | 228 | 508 | 102 |
| 8/4/12 | 6:02:31 PM | 0.27 | 227 | 509 | 102 |
| 8/4/12 | 6:03:31 PM | 0.28 | 227 | 508 | 102 |
| 8/4/12 | 6:04:31 PM | 0.28 | 228 | 509 | 102 |
| 8/4/12 | 6:05:31 PM | 0.28 | 229 | 508 | 102 |
| 8/4/12 | 6:06:31 PM | 0.28 | 229 | 510 | 102 |
| 8/4/12 | 6:07:31 PM | 0.28 | 229 | 511 | 102 |
| 8/4/12 | 6:08:31 PM | 0.28 | 229 | 508 | 102 |
| 8/4/12 | 6:09:31 PM | 0.28 | 228 | 509 | 102 |
| 8/4/12 | 6:10:31 PM | 0.27 | 229 | 511 | 102 |
| 8/4/12 | 6:11:31 PM | 0.27 | 228 | 509 | 102 |
| 8/4/12 | 6:12:31 PM | 0.28 | 229 | 506 | 102 |
| 8/4/12 | 6:13:31 PM | 0.28 | 229 | 505 | 102 |
| 8/4/12 | 6:14:31 PM | 0.28 | 229 | 509 | 102 |
| 8/4/12 | 6:15:31 PM | 0.28 | 229 | 511 | 102 |
| 8/4/12 | 6:16:31 PM | 0.28 | 230 | 512 | 102 |
| 8/4/12 | 6:17:31 PM | 0.28 | 230 | 514 | 102 |
| 8/4/12 | 6:18:31 PM | 0.28 | 229 | 516 | 102 |
| 8/4/12 | 6:19:31 PM | 0.28 | 228 | 511 | 102 |
| 8/4/12 | 6:20:31 PM | 0.28 | 227 | 509 | 102 |
| 8/4/12 | 6:21:31 PM | 0.28 | 226 | 508 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 6:22:31 PM | 0.28 | 226 | 506 | 102 |
| 8/4/12 | 6:23:31 PM | 0.28 | 226 | 505 | 102 |
| 8/4/12 | 6:24:31 PM | 0.28 | 227 | 505 | 102 |
| 8/4/12 | 6:25:31 PM | 0.28 | 227 | 505 | 102 |
| 8/4/12 | 6:26:31 PM | 0.28 | 227 | 506 | 102 |
| 8/4/12 | 6:27:31 PM | 0.28 | 226 | 503 | 102 |
| 8/4/12 | 6:28:31 PM | 0.29 | 226 | 503 | 102 |
| 8/4/12 | 6:29:31 PM | 0.28 | 226 | 503 | 102 |
| 8/4/12 | 6:30:31 PM | 0.28 | 226 | 503 | 102 |
| 8/4/12 | 6:31:31 PM | 0.28 | 226 | 502 | 102 |
| 8/4/12 | 6:32:31 PM | 0.28 | 225 | 502 | 102 |
| 8/4/12 | 6:33:31 PM | 0.28 | 224 | 500 | 102 |
| 8/4/12 | 6:34:31 PM | 0.28 | 223 | 497 | 102 |
| 8/4/12 | 6:35:31 PM | 0.28 | 223 | 498 | 102 |
| 8/4/12 | 6:36:31 PM | 0.28 | 224 | 497 | 102 |
| 8/4/12 | 6:37:31 PM | 0.28 | 224 | 497 | 102 |
| 8/4/12 | 6:38:31 PM | 0.28 | 225 | 499 | 102 |
| 8/4/12 | 6:39:31 PM | 0.28 | 225 | 499 | 102 |
| 8/4/12 | 6:40:31 PM | 0.28 | 226 | 499 | 102 |
| 8/4/12 | 6:41:31 PM | 0.28 | 226 | 501 | 102 |
| 8/4/12 | 6:42:31 PM | 0.28 | 226 | 501 | 102 |
| 8/4/12 | 6:43:31 PM | 0.27 | 226 | 501 | 102 |
| 8/4/12 | 6:44:31 PM | 0.28 | 226 | 503 | 102 |
| 8/4/12 | 6:45:31 PM | 0.28 | 227 | 504 | 102 |
| 8/4/12 | 6:46:31 PM | 0.28 | 226 | 501 | 102 |
| 8/4/12 | 6:47:31 PM | 0.28 | 226 | 502 | 102 |
| 8/4/12 | 6:48:31 PM | 0.28 | 225 | 499 | 102 |
| 8/4/12 | 6:49:31 PM | 0.28 | 225 | 500 | 102 |
| 8/4/12 | 6:50:31 PM | 0.28 | 225 | 503 | 102 |
| 8/4/12 | 6:51:31 PM | 0.28 | 225 | 501 | 102 |
| 8/4/12 | 6:52:31 PM | 0.28 | 225 | 501 | 102 |
| 8/4/12 | 6:53:31 PM | 0.28 | 225 | 498 | 102 |
| 8/4/12 | 6:54:31 PM | 0.27 | 224 | 497 | 102 |
| 8/4/12 | 6:55:31 PM | 0.27 | 224 | 495 | 102 |
| 8/4/12 | 6:56:31 PM | 0.27 | 224 | 490 | 102 |
| 8/4/12 | 6:57:31 PM | 0.28 | 224 | 492 | 102 |
| 8/4/12 | 6:58:31 PM | 0.28 | 223 | 495 | 102 |
| 8/4/12 | 6:59:31 PM | 0.28 | 224 | 496 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 7:00:31 PM | 0.27 | 224 | 495 | 102 |
| 8/4/12 | 7:01:31 PM | 0.28 | 225 | 496 | 102 |
| 8/4/12 | 7:02:31 PM | 0.27 | 226 | 497 | 102 |
| 8/4/12 | 7:03:31 PM | 0.28 | 227 | 500 | 102 |
| 8/4/12 | 7:04:31 PM | 0.28 | 227 | 500 | 102 |
| 8/4/12 | 7:05:31 PM | 0.28 | 226 | 499 | 102 |
| 8/4/12 | 7:06:31 PM | 0.27 | 227 | 498 | 102 |
| 8/4/12 | 7:07:31 PM | 0.27 | 228 | 501 | 102 |
| 8/4/12 | 7:08:31 PM | 0.27 | 228 | 501 | 102 |
| 8/4/12 | 7:09:31 PM | 0.27 | 229 | 502 | 102 |
| 8/4/12 | 7:10:31 PM | 0.28 | 229 | 502 | 102 |
| 8/4/12 | 7:11:31 PM | 0.28 | 229 | 502 | 102 |
| 8/4/12 | 7:12:31 PM | 0.28 | 229 | 503 | 102 |
| 8/4/12 | 7:13:31 PM | 0.28 | 229 | 506 | 102 |
| 8/4/12 | 7:14:31 PM | 0.28 | 229 | 504 | 102 |
| 8/4/12 | 7:15:31 PM | 0.28 | 227 | 502 | 102 |
| 8/4/12 | 7:16:31 PM | 0.28 | 226 | 499 | 102 |
| 8/4/12 | 7:17:31 PM | 0.28 | 226 | 498 | 102 |
| 8/4/12 | 7:18:31 PM | 0.28 | 227 | 499 | 102 |
| 8/4/12 | 7:19:31 PM | 0.28 | 227 | 498 | 102 |
| 8/4/12 | 7:20:31 PM | 0.28 | 227 | 494 | 102 |
| 8/4/12 | 7:21:31 PM | 0.28 | 227 | 492 | 102 |
| 8/4/12 | 7:22:31 PM | 0.28 | 226 | 497 | 102 |
| 8/4/12 | 7:23:31 PM | 0.28 | 227 | 496 | 102 |
| 8/4/12 | 7:24:31 PM | 0.28 | 227 | 495 | 102 |
| 8/4/12 | 7:25:31 PM | 0.28 | 228 | 496 | 102 |
| 8/4/12 | 7:26:31 PM | 0.28 | 229 | 497 | 102 |
| 8/4/12 | 7:27:31 PM | 0.28 | 230 | 498 | 102 |
| 8/4/12 | 7:28:31 PM | 0.28 | 230 | 499 | 102 |
| 8/4/12 | 7:29:31 PM | 0.28 | 230 | 500 | 102 |
| 8/4/12 | 7:30:31 PM | 0.27 | 230 | 500 | 102 |
| 8/4/12 | 7:31:31 PM | 0.27 | 231 | 501 | 102 |
| 8/4/12 | 7:32:31 PM | 0.27 | 232 | 502 | 102 |
| 8/4/12 | 7:33:31 PM | 0.27 | 231 | 503 | 102 |
| 8/4/12 | 7:34:31 PM | 0.28 | 231 | 502 | 102 |
| 8/4/12 | 7:35:31 PM | 0.27 | 231 | 506 | 102 |
| 8/4/12 | 7:36:31 PM | 0.27 | 231 | 507 | 102 |
| 8/4/12 | 7:37:31 PM | 0.28 | 230 | 503 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 7:38:31 PM | 0.27 | 229 | 501 | 102 |
| 8/4/12 | 7:39:31 PM | 0.28 | 228 | 499 | 102 |
| 8/4/12 | 7:40:31 PM | 0.28 | 227 | 499 | 102 |
| 8/4/12 | 7:41:31 PM | 0.28 | 227 | 496 | 102 |
| 8/4/12 | 7:42:31 PM | 0.27 | 227 | 496 | 102 |
| 8/4/12 | 7:43:31 PM | 0.28 | 227 | 496 | 102 |
| 8/4/12 | 7:44:31 PM | 0.28 | 228 | 493 | 102 |
| 8/4/12 | 7:45:31 PM | 0.28 | 227 | 492 | 102 |
| 8/4/12 | 7:46:31 PM | 0.28 | 226 | 490 | 102 |
| 8/4/12 | 7:47:31 PM | 0.28 | 227 | 492 | 102 |
| 8/4/12 | 7:48:31 PM | 0.28 | 228 | 492 | 102 |
| 8/4/12 | 7:49:31 PM | 0.28 | 227 | 491 | 102 |
| 8/4/12 | 7:50:31 PM | 0.28 | 227 | 491 | 102 |
| 8/4/12 | 7:51:31 PM | 0.28 | 228 | 489 | 102 |
| 8/4/12 | 7:52:31 PM | 0.28 | 228 | 490 | 102 |
| 8/4/12 | 7:53:31 PM | 0.28 | 228 | 490 | 102 |
| 8/4/12 | 7:54:31 PM | 0.28 | 228 | 490 | 102 |
| 8/4/12 | 7:55:31 PM | 0.28 | 228 | 490 | 102 |
| 8/4/12 | 7:56:31 PM | 0.28 | 227 | 492 | 102 |
| 8/4/12 | 7:57:31 PM | 0.28 | 228 | 491 | 102 |
| 8/4/12 | 7:58:31 PM | 0.28 | 228 | 486 | 102 |
| 8/4/12 | 7:59:31 PM | 0.28 | 228 | 487 | 102 |
| 8/4/12 | 8:00:31 PM | 0.28 | 227 | 487 | 102 |
| 8/4/12 | 8:01:31 PM | 0.28 | 228 | 486 | 102 |
| 8/4/12 | 8:02:31 PM | 0.28 | 227 | 485 | 102 |
| 8/4/12 | 8:03:31 PM | 0.28 | 227 | 484 | 102 |
| 8/4/12 | 8:04:31 PM | 0.28 | 228 | 486 | 102 |
| 8/4/12 | 8:05:31 PM | 0.28 | 227 | 486 | 102 |
| 8/4/12 | 8:06:31 PM | 0.28 | 227 | 484 | 102 |
| 8/4/12 | 8:07:31 PM | 0.27 | 228 | 484 | 102 |
| 8/4/12 | 8:08:31 PM | 0.27 | 228 | 484 | 102 |
| 8/4/12 | 8:09:31 PM | 0.28 | 228 | 483 | 102 |
| 8/4/12 | 8:10:31 PM | 0.28 | 228 | 485 | 102 |
| 8/4/12 | 8:11:31 PM | 0.28 | 227 | 483 | 102 |
| 8/4/12 | 8:12:31 PM | 0.28 | 227 | 482 | 102 |
| 8/4/12 | 8:13:31 PM | 0.28 | 227 | 484 | 102 |
| 8/4/12 | 8:14:31 PM | 0.28 | 227 | 483 | 102 |
| 8/4/12 | 8:15:31 PM | 0.28 | 226 | 482 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 8:16:31 PM | 0.28 | 225 | 481 | 102 |
| 8/4/12 | 8:17:31 PM | 0.28 | 225 | 482 | 102 |
| 8/4/12 | 8:18:31 PM | 0.28 | 226 | 483 | 102 |
| 8/4/12 | 8:19:31 PM | 0.28 | 227 | 482 | 102 |
| 8/4/12 | 8:20:31 PM | 0.28 | 227 | 484 | 102 |
| 8/4/12 | 8:21:31 PM | 0.28 | 228 | 483 | 102 |
| 8/4/12 | 8:22:31 PM | 0.28 | 229 | 485 | 102 |
| 8/4/12 | 8:23:31 PM | 0.28 | 229 | 486 | 102 |
| 8/4/12 | 8:24:31 PM | 0.28 | 229 | 485 | 102 |
| 8/4/12 | 8:25:31 PM | 0.28 | 228 | 484 | 102 |
| 8/4/12 | 8:26:31 PM | 0.28 | 228 | 482 | 102 |
| 8/4/12 | 8:27:31 PM | 0.28 | 229 | 485 | 102 |
| 8/4/12 | 8:28:31 PM | 0.27 | 229 | 489 | 102 |
| 8/4/12 | 8:29:31 PM | 0.28 | 230 | 488 | 102 |
| 8/4/12 | 8:30:31 PM | 0.28 | 230 | 487 | 102 |
| 8/4/12 | 8:31:31 PM | 0.28 | 230 | 485 | 102 |
| 8/4/12 | 8:32:31 PM | 0.27 | 229 | 487 | 102 |
| 8/4/12 | 8:33:31 PM | 0.28 | 230 | 484 | 102 |
| 8/4/12 | 8:34:31 PM | 0.28 | 230 | 485 | 102 |
| 8/4/12 | 8:35:31 PM | 0.28 | 230 | 487 | 102 |
| 8/4/12 | 8:36:31 PM | 0.28 | 231 | 486 | 102 |
| 8/4/12 | 8:37:31 PM | 0.28 | 230 | 487 | 102 |
| 8/4/12 | 8:38:31 PM | 0.27 | 231 | 487 | 102 |
| 8/4/12 | 8:39:31 PM | 0.28 | 231 | 487 | 102 |
| 8/4/12 | 8:40:31 PM | 0.28 | 230 | 487 | 102 |
| 8/4/12 | 8:41:31 PM | 0.28 | 230 | 487 | 102 |
| 8/4/12 | 8:42:31 PM | 0.28 | 230 | 487 | 102 |
| 8/4/12 | 8:43:31 PM | 0.28 | 230 | 487 | 102 |
| 8/4/12 | 8:44:31 PM | 0.28 | 230 | 487 | 102 |
| 8/4/12 | 8:45:31 PM | 0.28 | 231 | 490 | 102 |
| 8/4/12 | 8:46:31 PM | 0.28 | 231 | 488 | 102 |
| 8/4/12 | 8:47:31 PM | 0.28 | 231 | 490 | 102 |
| 8/4/12 | 8:48:31 PM | 0.28 | 231 | 491 | 102 |
| 8/4/12 | 8:49:31 PM | 0.28 | 231 | 491 | 102 |
| 8/4/12 | 8:50:31 PM | 0.28 | 231 | 491 | 102 |
| 8/4/12 | 8:51:31 PM | 0.27 | 231 | 491 | 102 |
| 8/4/12 | 8:52:31 PM | 0.28 | 231 | 491 | 102 |
| 8/4/12 | 8:53:31 PM | 0.28 | 231 | 489 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 8:54:31 PM | 0.28 | 231 | 488 | 102 |
| 8/4/12 | 8:55:31 PM | 0.28 | 232 | 489 | 102 |
| 8/4/12 | 8:56:31 PM | 0.27 | 232 | 490 | 102 |
| 8/4/12 | 8:57:31 PM | 0.28 | 232 | 490 | 102 |
| 8/4/12 | 8:58:31 PM | 0.28 | 232 | 493 | 102 |
| 8/4/12 | 8:59:31 PM | 0.28 | 232 | 490 | 102 |
| 8/4/12 | 9:00:31 PM | 0.28 | 232 | 490 | 102 |
| 8/4/12 | 9:01:31 PM | 0.28 | 232 | 487 | 102 |
| 8/4/12 | 9:02:31 PM | 0.28 | 232 | 488 | 102 |
| 8/4/12 | 9:03:31 PM | 0.28 | 232 | 487 | 102 |
| 8/4/12 | 9:04:31 PM | 0.28 | 231 | 486 | 102 |
| 8/4/12 | 9:05:31 PM | 0.28 | 231 | 487 | 102 |
| 8/4/12 | 9:06:31 PM | 0.28 | 231 | 486 | 102 |
| 8/4/12 | 9:07:31 PM | 0.28 | 232 | 486 | 102 |
| 8/4/12 | 9:08:31 PM | 0.28 | 232 | 485 | 102 |
| 8/4/12 | 9:09:31 PM | 0.28 | 232 | 483 | 102 |
| 8/4/12 | 9:10:31 PM | 0.28 | 232 | 486 | 102 |
| 8/4/12 | 9:11:31 PM | 0.28 | 232 | 485 | 102 |
| 8/4/12 | 9:12:31 PM | 0.28 | 232 | 484 | 102 |
| 8/4/12 | 9:13:31 PM | 0.28 | 232 | 486 | 102 |
| 8/4/12 | 9:14:31 PM | 0.28 | 231 | 486 | 102 |
| 8/4/12 | 9:15:31 PM | 0.28 | 231 | 487 | 102 |
| 8/4/12 | 9:16:31 PM | 0.28 | 231 | 487 | 102 |
| 8/4/12 | 9:17:31 PM | 0.28 | 232 | 486 | 102 |
| 8/4/12 | 9:18:31 PM | 0.28 | 232 | 488 | 102 |
| 8/4/12 | 9:19:31 PM | 0.28 | 232 | 487 | 102 |
| 8/4/12 | 9:20:31 PM | 0.28 | 232 | 487 | 102 |
| 8/4/12 | 9:21:31 PM | 0.28 | 231 | 488 | 102 |
| 8/4/12 | 9:22:31 PM | 0.28 | 230 | 487 | 102 |
| 8/4/12 | 9:23:31 PM | 0.28 | 230 | 486 | 102 |
| 8/4/12 | 9:24:31 PM | 0.28 | 230 | 486 | 102 |
| 8/4/12 | 9:25:31 PM | 0.28 | 229 | 484 | 102 |
| 8/4/12 | 9:26:31 PM | 0.28 | 228 | 483 | 102 |
| 8/4/12 | 9:27:31 PM | 0.29 | 228 | 482 | 102 |
| 8/4/12 | 9:28:31 PM | 0.28 | 228 | 482 | 102 |
| 8/4/12 | 9:29:31 PM | 0.28 | 228 | 482 | 102 |
| 8/4/12 | 9:30:31 PM | 0.28 | 229 | 482 | 102 |
| 8/4/12 | 9:31:31 PM | 0.28 | 230 | 483 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 9:32:31 PM | 0.28 | 231 | 482 | 102 |
| 8/4/12 | 9:33:31 PM | 0.28 | 232 | 485 | 102 |
| 8/4/12 | 9:34:31 PM | 0.28 | 232 | 487 | 102 |
| 8/4/12 | 9:35:31 PM | 0.28 | 232 | 486 | 102 |
| 8/4/12 | 9:36:31 PM | 0.28 | 232 | 487 | 102 |
| 8/4/12 | 9:37:31 PM | 0.28 | 232 | 486 | 102 |
| 8/4/12 | 9:38:31 PM | 0.28 | 232 | 485 | 102 |
| 8/4/12 | 9:39:31 PM | 0.28 | 231 | 485 | 102 |
| 8/4/12 | 9:40:31 PM | 0.27 | 231 | 486 | 102 |
| 8/4/12 | 9:41:31 PM | 0.27 | 231 | 483 | 102 |
| 8/4/12 | 9:42:31 PM | 0.27 | 231 | 483 | 102 |
| 8/4/12 | 9:43:31 PM | 0.28 | 232 | 485 | 102 |
| 8/4/12 | 9:44:31 PM | 0.27 | 231 | 483 | 102 |
| 8/4/12 | 9:45:31 PM | 0.27 | 231 | 483 | 102 |
| 8/4/12 | 9:46:31 PM | 0.27 | 230 | 482 | 102 |
| 8/4/12 | 9:47:31 PM | 0.27 | 229 | 482 | 102 |
| 8/4/12 | 9:48:31 PM | 0.27 | 228 | 482 | 102 |
| 8/4/12 | 9:49:31 PM | 0.28 | 228 | 482 | 102 |
| 8/4/12 | 9:50:31 PM | 0.28 | 228 | 483 | 102 |
| 8/4/12 | 9:51:31 PM | 0.28 | 230 | 483 | 102 |
| 8/4/12 | 9:52:31 PM | 0.28 | 230 | 481 | 102 |
| 8/4/12 | 9:53:31 PM | 0.27 | 231 | 482 | 102 |
| 8/4/12 | 9:54:31 PM | 0.27 | 232 | 482 | 102 |
| 8/4/12 | 9:55:31 PM | 0.27 | 232 | 482 | 102 |
| 8/4/12 | 9:56:31 PM | 0.27 | 232 | 483 | 102 |
| 8/4/12 | 9:57:31 PM | 0.28 | 232 | 483 | 102 |
| 8/4/12 | 9:58:31 PM | 0.28 | 232 | 482 | 102 |
| 8/4/12 | 9:59:31 PM | 0.28 | 232 | 482 | 102 |
| 8/4/12 | 10:00:31 PM | 0.28 | 232 | 479 | 102 |
| 8/4/12 | 10:01:31 PM | 0.28 | 232 | 479 | 102 |
| 8/4/12 | 10:02:31 PM | 0.28 | 232 | 477 | 102 |
| 8/4/12 | 10:03:31 PM | 0.28 | 231 | 479 | 102 |
| 8/4/12 | 10:04:31 PM | 0.28 | 231 | 477 | 102 |
| 8/4/12 | 10:05:31 PM | 0.28 | 230 | 476 | 102 |
| 8/4/12 | 10:06:31 PM | 0.28 | 229 | 476 | 102 |
| 8/4/12 | 10:07:31 PM | 0.28 | 228 | 475 | 102 |
| 8/4/12 | 10:08:31 PM | 0.29 | 228 | 473 | 102 |
| 8/4/12 | 10:09:31 PM | 0.28 | 228 | 475 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 10:10:31 PM | 0.28 | 229 | 474 | 102 |
| 8/4/12 | 10:11:31 PM | 0.29 | 229 | 472 | 102 |
| 8/4/12 | 10:12:31 PM | 0.28 | 229 | 472 | 102 |
| 8/4/12 | 10:13:31 PM | 0.28 | 229 | 470 | 102 |
| 8/4/12 | 10:14:31 PM | 0.28 | 229 | 470 | 102 |
| 8/4/12 | 10:15:31 PM | 0.28 | 228 | 471 | 102 |
| 8/4/12 | 10:16:31 PM | 0.29 | 228 | 472 | 102 |
| 8/4/12 | 10:17:31 PM | 0.28 | 228 | 468 | 102 |
| 8/4/12 | 10:18:31 PM | 0.28 | 228 | 470 | 102 |
| 8/4/12 | 10:19:31 PM | 0.28 | 228 | 471 | 102 |
| 8/4/12 | 10:20:31 PM | 0.28 | 228 | 474 | 102 |
| 8/4/12 | 10:21:31 PM | 0.28 | 228 | 472 | 102 |
| 8/4/12 | 10:22:31 PM | 0.28 | 229 | 473 | 102 |
| 8/4/12 | 10:23:31 PM | 0.28 | 230 | 473 | 102 |
| 8/4/12 | 10:24:31 PM | 0.28 | 230 | 475 | 102 |
| 8/4/12 | 10:25:31 PM | 0.28 | 230 | 477 | 102 |
| 8/4/12 | 10:26:31 PM | 0.28 | 231 | 477 | 102 |
| 8/4/12 | 10:27:31 PM | 0.28 | 231 | 477 | 102 |
| 8/4/12 | 10:28:31 PM | 0.28 | 231 | 476 | 102 |
| 8/4/12 | 10:29:31 PM | 0.28 | 231 | 475 | 102 |
| 8/4/12 | 10:30:31 PM | 0.28 | 231 | 473 | 102 |
| 8/4/12 | 10:31:31 PM | 0.28 | 230 | 474 | 102 |
| 8/4/12 | 10:32:31 PM | 0.28 | 229 | 472 | 102 |
| 8/4/12 | 10:33:31 PM | 0.29 | 229 | 473 | 102 |
| 8/4/12 | 10:34:31 PM | 0.29 | 228 | 472 | 102 |
| 8/4/12 | 10:35:31 PM | 0.28 | 228 | 471 | 102 |
| 8/4/12 | 10:36:31 PM | 0.29 | 228 | 471 | 102 |
| 8/4/12 | 10:37:31 PM | 0.29 | 227 | 471 | 102 |
| 8/4/12 | 10:38:31 PM | 0.29 | 227 | 471 | 102 |
| 8/4/12 | 10:39:31 PM | 0.29 | 226 | 471 | 102 |
| 8/4/12 | 10:40:31 PM | 0.29 | 226 | 473 | 102 |
| 8/4/12 | 10:41:31 PM | 0.29 | 225 | 469 | 102 |
| 8/4/12 | 10:42:31 PM | 0.29 | 225 | 469 | 102 |
| 8/4/12 | 10:43:31 PM | 0.29 | 224 | 467 | 102 |
| 8/4/12 | 10:44:31 PM | 0.29 | 224 | 467 | 102 |
| 8/4/12 | 10:45:31 PM | 0.29 | 223 | 464 | 102 |
| 8/4/12 | 10:46:31 PM | 0.29 | 223 | 464 | 102 |
| 8/4/12 | 10:47:31 PM | 0.30 | 224 | 467 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 10:48:31 PM | 0.29 | 224 | 464 | 102 |
| 8/4/12 | 10:49:31 PM | 0.29 | 223 | 463 | 102 |
| 8/4/12 | 10:50:31 PM | 0.29 | 224 | 463 | 102 |
| 8/4/12 | 10:51:31 PM | 0.29 | 224 | 462 | 102 |
| 8/4/12 | 10:52:31 PM | 0.29 | 224 | 465 | 102 |
| 8/4/12 | 10:53:31 PM | 0.29 | 225 | 465 | 102 |
| 8/4/12 | 10:54:31 PM | 0.29 | 226 | 466 | 102 |
| 8/4/12 | 10:55:31 PM | 0.29 | 226 | 467 | 102 |
| 8/4/12 | 10:56:31 PM | 0.28 | 226 | 465 | 102 |
| 8/4/12 | 10:57:31 PM | 0.28 | 227 | 465 | 102 |
| 8/4/12 | 10:58:31 PM | 0.28 | 228 | 462 | 102 |
| 8/4/12 | 10:59:31 PM | 0.28 | 228 | 463 | 102 |
| 8/4/12 | 11:00:31 PM | 0.28 | 228 | 464 | 102 |
| 8/4/12 | 11:01:31 PM | 0.28 | 228 | 461 | 102 |
| 8/4/12 | 11:02:31 PM | 0.28 | 228 | 462 | 102 |
| 8/4/12 | 11:03:31 PM | 0.28 | 228 | 463 | 102 |
| 8/4/12 | 11:04:31 PM | 0.28 | 227 | 462 | 102 |
| 8/4/12 | 11:05:31 PM | 0.28 | 227 | 461 | 102 |
| 8/4/12 | 11:06:31 PM | 0.28 | 227 | 461 | 102 |
| 8/4/12 | 11:07:31 PM | 0.28 | 226 | 459 | 102 |
| 8/4/12 | 11:08:31 PM | 0.28 | 227 | 460 | 102 |
| 8/4/12 | 11:09:31 PM | 0.28 | 227 | 460 | 102 |
| 8/4/12 | 11:10:31 PM | 0.28 | 227 | 458 | 102 |
| 8/4/12 | 11:11:31 PM | 0.28 | 227 | 458 | 102 |
| 8/4/12 | 11:12:31 PM | 0.28 | 227 | 461 | 102 |
| 8/4/12 | 11:13:31 PM | 0.28 | 228 | 459 | 102 |
| 8/4/12 | 11:14:31 PM | 0.28 | 228 | 461 | 102 |
| 8/4/12 | 11:15:31 PM | 0.28 | 228 | 459 | 102 |
| 8/4/12 | 11:16:31 PM | 0.28 | 229 | 461 | 102 |
| 8/4/12 | 11:17:31 PM | 0.28 | 229 | 462 | 102 |
| 8/4/12 | 11:18:31 PM | 0.28 | 229 | 462 | 102 |
| 8/4/12 | 11:19:31 PM | 0.28 | 230 | 464 | 102 |
| 8/4/12 | 11:20:31 PM | 0.28 | 230 | 462 | 102 |
| 8/4/12 | 11:21:31 PM | 0.28 | 230 | 463 | 102 |
| 8/4/12 | 11:22:31 PM | 0.28 | 231 | 464 | 102 |
| 8/4/12 | 11:23:31 PM | 0.28 | 231 | 464 | 102 |
| 8/4/12 | 11:24:31 PM | 0.28 | 231 | 466 | 102 |
| 8/4/12 | 11:25:31 PM | 0.28 | 231 | 467 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **04-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **04-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/4/12 | 11:26:31 PM | 0.28 | 231 | 468 | 102 |
| 8/4/12 | 11:27:31 PM | 0.28 | 232 | 467 | 102 |
| 8/4/12 | 11:28:31 PM | 0.28 | 233 | 467 | 102 |
| 8/4/12 | 11:29:31 PM | 0.28 | 233 | 468 | 102 |
| 8/4/12 | 11:30:31 PM | 0.27 | 233 | 467 | 102 |
| 8/4/12 | 11:31:31 PM | 0.27 | 233 | 467 | 102 |
| 8/4/12 | 11:32:31 PM | 0.27 | 233 | 466 | 102 |
| 8/4/12 | 11:33:31 PM | 0.27 | 233 | 467 | 102 |
| 8/4/12 | 11:34:31 PM | 0.28 | 234 | 466 | 102 |
| 8/4/12 | 11:35:31 PM | 0.28 | 234 | 467 | 102 |
| 8/4/12 | 11:36:31 PM | 0.28 | 234 | 468 | 102 |
| 8/4/12 | 11:37:31 PM | 0.28 | 233 | 469 | 102 |
| 8/4/12 | 11:38:31 PM | 0.27 | 233 | 468 | 102 |
| 8/4/12 | 11:39:31 PM | 0.28 | 233 | 466 | 102 |
| 8/4/12 | 11:40:31 PM | 0.28 | 233 | 467 | 102 |
| 8/4/12 | 11:41:31 PM | 0.28 | 233 | 467 | 102 |
| 8/4/12 | 11:42:31 PM | 0.28 | 232 | 464 | 102 |
| 8/4/12 | 11:43:31 PM | 0.28 | 232 | 463 | 102 |
| 8/4/12 | 11:44:31 PM | 0.28 | 232 | 466 | 102 |
| 8/4/12 | 11:45:31 PM | 0.28 | 233 | 465 | 102 |
| 8/4/12 | 11:46:31 PM | 0.28 | 233 | 466 | 102 |
| 8/4/12 | 11:47:31 PM | 0.28 | 232 | 464 | 102 |
| 8/4/12 | 11:48:31 PM | 0.28 | 232 | 465 | 102 |
| 8/4/12 | 11:49:31 PM | 0.27 | 232 | 463 | 102 |
| 8/4/12 | 11:50:31 PM | 0.27 | 232 | 462 | 102 |
| 8/4/12 | 11:51:31 PM | 0.27 | 232 | 463 | 102 |
| 8/4/12 | 11:52:31 PM | 0.27 | 233 | 462 | 102 |
| 8/4/12 | 11:53:31 PM | 0.28 | 233 | 462 | 102 |
| 8/4/12 | 11:54:31 PM | 0.28 | 233 | 463 | 102 |
| 8/4/12 | 11:55:31 PM | 0.27 | 233 | 463 | 102 |
| 8/4/12 | 11:56:31 PM | 0.27 | 233 | 464 | 102 |
| 8/4/12 | 11:57:31 PM | 0.27 | 233 | 464 | 102 |
| 8/4/12 | 11:58:31 PM | 0.27 | 233 | 464 | 102 |
| 8/4/12 | 11:59:31 PM | 0.28 | 233 | 466 | 102 |
| | | | CH4 data invalid. 10 ppm assigned as daily average | | |
| Averages | | 0.28 | 232 | 532 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 12:00:31 AM | 0.28 | 233 | 466 | 102 |
| 8/5/12 | 12:01:31 AM | 0.28 | 233 | 465 | 102 |
| 8/5/12 | 12:02:31 AM | 0.28 | 233 | 463 | 102 |
| 8/5/12 | 12:03:31 AM | 0.28 | 233 | 463 | 102 |
| 8/5/12 | 12:04:31 AM | 0.28 | 233 | 463 | 102 |
| 8/5/12 | 12:05:31 AM | 0.28 | 233 | 463 | 102 |
| 8/5/12 | 12:06:31 AM | 0.28 | 233 | 463 | 102 |
| 8/5/12 | 12:07:31 AM | 0.28 | 233 | 463 | 102 |
| 8/5/12 | 12:08:31 AM | 0.28 | 232 | 462 | 102 |
| 8/5/12 | 12:09:31 AM | 0.28 | 232 | 462 | 102 |
| 8/5/12 | 12:10:31 AM | 0.28 | 232 | 462 | 102 |
| 8/5/12 | 12:11:31 AM | 0.28 | 232 | 462 | 102 |
| 8/5/12 | 12:12:31 AM | 0.28 | 231 | 462 | 102 |
| 8/5/12 | 12:13:31 AM | 0.28 | 231 | 461 | 102 |
| 8/5/12 | 12:14:31 AM | 0.28 | 232 | 461 | 102 |
| 8/5/12 | 12:15:31 AM | 0.28 | 232 | 461 | 102 |
| 8/5/12 | 12:16:31 AM | 0.28 | 232 | 459 | 102 |
| 8/5/12 | 12:17:31 AM | 0.28 | 232 | 460 | 102 |
| 8/5/12 | 12:18:31 AM | 0.28 | 232 | 461 | 102 |
| 8/5/12 | 12:19:31 AM | 0.27 | 233 | 461 | 102 |
| 8/5/12 | 12:20:31 AM | 0.27 | 233 | 462 | 102 |
| 8/5/12 | 12:21:31 AM | 0.27 | 234 | 462 | 102 |
| 8/5/12 | 12:22:31 AM | 0.28 | 233 | 463 | 102 |
| 8/5/12 | 12:23:31 AM | 0.28 | 233 | 464 | 102 |
| 8/5/12 | 12:24:31 AM | 0.27 | 233 | 463 | 102 |
| 8/5/12 | 12:25:31 AM | 0.28 | 234 | 462 | 102 |
| 8/5/12 | 12:26:31 AM | 0.28 | 234 | 463 | 102 |
| 8/5/12 | 12:27:31 AM | 0.28 | 234 | 463 | 102 |
| 8/5/12 | 12:28:31 AM | 0.27 | 233 | 464 | 102 |
| 8/5/12 | 12:29:31 AM | 0.27 | 234 | 463 | 102 |
| 8/5/12 | 12:30:31 AM | 0.27 | 233 | 463 | 102 |
| 8/5/12 | 12:31:31 AM | 0.27 | 233 | 463 | 102 |
| 8/5/12 | 12:32:31 AM | 0.28 | 234 | 462 | 102 |
| 8/5/12 | 12:33:31 AM | 0.27 | 234 | 463 | 102 |
| 8/5/12 | 12:34:31 AM | 0.27 | 234 | 463 | 102 |
| 8/5/12 | 12:35:31 AM | 0.27 | 235 | 462 | 102 |
| 8/5/12 | 12:36:31 AM | 0.27 | 235 | 462 | 102 |
| 8/5/12 | 12:37:31 AM | 0.27 | 235 | 463 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/5/12 12:38:31 AM | 0.27 | 235 | 466 | 102 |
| 8/5/12 12:39:31 AM | 0.27 | 235 | 467 | 102 |
| 8/5/12 12:40:31 AM | 0.27 | 235 | 467 | 102 |
| 8/5/12 12:41:31 AM | 0.27 | 235 | 465 | 102 |
| 8/5/12 12:42:31 AM | 0.27 | 235 | 464 | 102 |
| 8/5/12 12:43:31 AM | 0.27 | 235 | 465 | 102 |
| 8/5/12 12:44:31 AM | 0.28 | 235 | 466 | 102 |
| 8/5/12 12:45:31 AM | 0.27 | 235 | 466 | 102 |
| 8/5/12 12:46:31 AM | 0.27 | 236 | 466 | 102 |
| 8/5/12 12:47:31 AM | 0.27 | 236 | 467 | 102 |
| 8/5/12 12:48:31 AM | 0.27 | 236 | 467 | 102 |
| 8/5/12 12:49:31 AM | 0.27 | 236 | 468 | 102 |
| 8/5/12 12:50:31 AM | 0.27 | 236 | 467 | 102 |
| 8/5/12 12:51:31 AM | 0.27 | 236 | 468 | 102 |
| 8/5/12 12:52:31 AM | 0.27 | 236 | 468 | 102 |
| 8/5/12 12:53:31 AM | 0.27 | 235 | 467 | 102 |
| 8/5/12 12:54:31 AM | 0.27 | 235 | 467 | 102 |
| 8/5/12 12:55:31 AM | 0.27 | 235 | 469 | 102 |
| 8/5/12 12:56:31 AM | 0.27 | 236 | 468 | 102 |
| 8/5/12 12:57:31 AM | 0.27 | 236 | 468 | 102 |
| 8/5/12 12:58:31 AM | 0.27 | 236 | 470 | 102 |
| 8/5/12 12:59:31 AM | 0.27 | 236 | 468 | 102 |
| 8/5/12 1:00:31 AM | 0.27 | 236 | 467 | 102 |
| 8/5/12 1:01:31 AM | 0.27 | 234 | 467 | 102 |
| 8/5/12 1:02:31 AM | 0.27 | 233 | 465 | 102 |
| 8/5/12 1:03:31 AM | 0.28 | 233 | 464 | 102 |
| 8/5/12 1:04:31 AM | 0.28 | 232 | 464 | 102 |
| 8/5/12 1:05:31 AM | 0.28 | 232 | 463 | 102 |
| 8/5/12 1:06:31 AM | 0.27 | 232 | 463 | 102 |
| 8/5/12 1:07:31 AM | 0.28 | 232 | 463 | 102 |
| 8/5/12 1:08:31 AM | 0.27 | 232 | 463 | 102 |
| 8/5/12 1:09:31 AM | 0.28 | 232 | 462 | 102 |
| 8/5/12 1:10:31 AM | 0.28 | 232 | 462 | 102 |
| 8/5/12 1:11:31 AM | 0.28 | 233 | 463 | 102 |
| 8/5/12 1:12:31 AM | 0.28 | 233 | 463 | 102 |
| 8/5/12 1:13:31 AM | 0.27 | 233 | 463 | 102 |
| 8/5/12 1:14:31 AM | 0.27 | 233 | 464 | 102 |
| 8/5/12 1:15:31 AM | 0.27 | 233 | 463 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 1:16:31 AM | 0.28 | 233 | 462 | 102 |
| 8/5/12 | 1:17:31 AM | 0.27 | 234 | 463 | 102 |
| 8/5/12 | 1:18:31 AM | 0.27 | 234 | 462 | 102 |
| 8/5/12 | 1:19:31 AM | 0.27 | 234 | 464 | 102 |
| 8/5/12 | 1:20:31 AM | 0.27 | 234 | 463 | 102 |
| 8/5/12 | 1:21:31 AM | 0.27 | 234 | 463 | 102 |
| 8/5/12 | 1:22:31 AM | 0.27 | 234 | 463 | 102 |
| 8/5/12 | 1:23:31 AM | 0.27 | 234 | 461 | 102 |
| 8/5/12 | 1:24:31 AM | 0.28 | 234 | 463 | 102 |
| 8/5/12 | 1:25:31 AM | 0.27 | 233 | 462 | 102 |
| 8/5/12 | 1:26:31 AM | 0.27 | 233 | 459 | 102 |
| 8/5/12 | 1:27:31 AM | 0.27 | 232 | 460 | 102 |
| 8/5/12 | 1:28:31 AM | 0.27 | 231 | 460 | 102 |
| 8/5/12 | 1:29:31 AM | 0.27 | 231 | 458 | 102 |
| 8/5/12 | 1:30:31 AM | 0.27 | 231 | 459 | 102 |
| 8/5/12 | 1:31:31 AM | 0.27 | 231 | 458 | 102 |
| 8/5/12 | 1:32:31 AM | 0.27 | 232 | 457 | 102 |
| 8/5/12 | 1:33:31 AM | 0.27 | 231 | 458 | 102 |
| 8/5/12 | 1:34:31 AM | 0.27 | 231 | 457 | 102 |
| 8/5/12 | 1:35:31 AM | 0.28 | 231 | 458 | 102 |
| 8/5/12 | 1:36:31 AM | 0.27 | 232 | 459 | 102 |
| 8/5/12 | 1:37:31 AM | 0.28 | 231 | 459 | 102 |
| 8/5/12 | 1:38:31 AM | 0.27 | 231 | 459 | 102 |
| 8/5/12 | 1:39:31 AM | 0.28 | 230 | 459 | 102 |
| 8/5/12 | 1:40:31 AM | 0.27 | 229 | 462 | 102 |
| 8/5/12 | 1:41:31 AM | 0.28 | 229 | 462 | 102 |
| 8/5/12 | 1:42:31 AM | 0.28 | 229 | 461 | 102 |
| 8/5/12 | 1:43:31 AM | 0.28 | 229 | 462 | 102 |
| 8/5/12 | 1:44:31 AM | 0.28 | 229 | 462 | 102 |
| 8/5/12 | 1:45:31 AM | 0.27 | 229 | 460 | 102 |
| 8/5/12 | 1:46:31 AM | 0.28 | 230 | 459 | 102 |
| 8/5/12 | 1:47:31 AM | 0.28 | 230 | 458 | 102 |
| 8/5/12 | 1:48:31 AM | 0.28 | 230 | 458 | 102 |
| 8/5/12 | 1:49:31 AM | 0.28 | 230 | 456 | 102 |
| 8/5/12 | 1:50:31 AM | 0.28 | 230 | 457 | 102 |
| 8/5/12 | 1:51:31 AM | 0.28 | 230 | 454 | 102 |
| 8/5/12 | 1:52:31 AM | 0.28 | 230 | 453 | 102 |
| 8/5/12 | 1:53:31 AM | 0.27 | 229 | 453 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 1:54:31 AM | 0.28 | 230 | 455 | 102 |
| 8/5/12 | 1:55:31 AM | 0.27 | 229 | 456 | 102 |
| 8/5/12 | 1:56:31 AM | 0.28 | 230 | 453 | 102 |
| 8/5/12 | 1:57:31 AM | 0.28 | 230 | 454 | 102 |
| 8/5/12 | 1:58:31 AM | 0.27 | 230 | 454 | 102 |
| 8/5/12 | 1:59:31 AM | 0.28 | 231 | 456 | 102 |
| 8/5/12 | 2:00:31 AM | 0.27 | 232 | 457 | 102 |
| 8/5/12 | 2:01:31 AM | 0.27 | 232 | 456 | 102 |
| 8/5/12 | 2:02:31 AM | 0.27 | 232 | 457 | 102 |
| 8/5/12 | 2:03:31 AM | 0.27 | 233 | 458 | 102 |
| 8/5/12 | 2:04:31 AM | 0.27 | 233 | 457 | 102 |
| 8/5/12 | 2:05:31 AM | 0.27 | 233 | 457 | 102 |
| 8/5/12 | 2:06:31 AM | 0.28 | 233 | 457 | 102 |
| 8/5/12 | 2:07:31 AM | 0.28 | 233 | 459 | 102 |
| 8/5/12 | 2:08:31 AM | 0.27 | 232 | 457 | 102 |
| 8/5/12 | 2:09:31 AM | 0.27 | 232 | 457 | 102 |
| 8/5/12 | 2:10:31 AM | 0.28 | 233 | 457 | 102 |
| 8/5/12 | 2:11:31 AM | 0.28 | 233 | 457 | 102 |
| 8/5/12 | 2:12:31 AM | 0.27 | 233 | 457 | 102 |
| 8/5/12 | 2:13:31 AM | 0.28 | 234 | 459 | 102 |
| 8/5/12 | 2:14:31 AM | 0.27 | 234 | 460 | 102 |
| 8/5/12 | 2:15:31 AM | 0.27 | 234 | 458 | 102 |
| 8/5/12 | 2:16:31 AM | 0.27 | 235 | 458 | 102 |
| 8/5/12 | 2:17:31 AM | 0.27 | 235 | 458 | 102 |
| 8/5/12 | 2:18:31 AM | 0.27 | 235 | 457 | 102 |
| 8/5/12 | 2:19:31 AM | 0.27 | 236 | 459 | 102 |
| 8/5/12 | 2:20:31 AM | 0.27 | 236 | 459 | 102 |
| 8/5/12 | 2:21:31 AM | 0.28 | 236 | 457 | 102 |
| 8/5/12 | 2:22:31 AM | 0.28 | 236 | 460 | 102 |
| 8/5/12 | 2:23:31 AM | 0.27 | 236 | 458 | 102 |
| 8/5/12 | 2:24:31 AM | 0.28 | 235 | 459 | 102 |
| 8/5/12 | 2:25:31 AM | 0.27 | 234 | 459 | 102 |
| 8/5/12 | 2:26:31 AM | 0.27 | 234 | 459 | 102 |
| 8/5/12 | 2:27:31 AM | 0.27 | 234 | 458 | 102 |
| 8/5/12 | 2:28:31 AM | 0.27 | 234 | 458 | 102 |
| 8/5/12 | 2:29:31 AM | 0.27 | 234 | 457 | 102 |
| 8/5/12 | 2:30:31 AM | 0.28 | 234 | 458 | 102 |
| 8/5/12 | 2:31:31 AM | 0.27 | 233 | 457 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 2:32:31 AM | 0.27 | 233 | 456 | 102 |
| 8/5/12 | 2:33:31 AM | 0.27 | 233 | 457 | 102 |
| 8/5/12 | 2:34:31 AM | 0.27 | 233 | 455 | 102 |
| 8/5/12 | 2:35:31 AM | 0.28 | 233 | 456 | 102 |
| 8/5/12 | 2:36:31 AM | 0.27 | 232 | 458 | 102 |
| 8/5/12 | 2:37:31 AM | 0.27 | 232 | 457 | 102 |
| 8/5/12 | 2:38:31 AM | 0.28 | 232 | 457 | 102 |
| 8/5/12 | 2:39:31 AM | 0.28 | 233 | 457 | 102 |
| 8/5/12 | 2:40:31 AM | 0.27 | 234 | 458 | 102 |
| 8/5/12 | 2:41:31 AM | 0.28 | 234 | 457 | 102 |
| 8/5/12 | 2:42:31 AM | 0.28 | 233 | 458 | 102 |
| 8/5/12 | 2:43:31 AM | 0.28 | 232 | 458 | 102 |
| 8/5/12 | 2:44:31 AM | 0.28 | 231 | 457 | 102 |
| 8/5/12 | 2:45:31 AM | 0.28 | 231 | 457 | 102 |
| 8/5/12 | 2:46:31 AM | 0.28 | 231 | 457 | 102 |
| 8/5/12 | 2:47:31 AM | 0.28 | 231 | 457 | 102 |
| 8/5/12 | 2:48:31 AM | 0.28 | 232 | 457 | 102 |
| 8/5/12 | 2:49:31 AM | 0.27 | 232 | 457 | 102 |
| 8/5/12 | 2:50:31 AM | 0.27 | 231 | 457 | 102 |
| 8/5/12 | 2:51:31 AM | 0.28 | 231 | 458 | 102 |
| 8/5/12 | 2:52:31 AM | 0.28 | 231 | 458 | 102 |
| 8/5/12 | 2:53:31 AM | 0.28 | 231 | 453 | 102 |
| 8/5/12 | 2:54:31 AM | 0.28 | 231 | 455 | 102 |
| 8/5/12 | 2:55:31 AM | 0.28 | 232 | 456 | 102 |
| 8/5/12 | 2:56:31 AM | 0.27 | 232 | 455 | 102 |
| 8/5/12 | 2:57:31 AM | 0.27 | 232 | 457 | 102 |
| 8/5/12 | 2:58:31 AM | 0.28 | 233 | 456 | 102 |
| 8/5/12 | 2:59:31 AM | 0.28 | 233 | 456 | 102 |
| 8/5/12 | 3:00:31 AM | 0.28 | 233 | 457 | 102 |
| 8/5/12 | 3:01:31 AM | 0.28 | 233 | 457 | 102 |
| 8/5/12 | 3:02:31 AM | 0.28 | 233 | 458 | 102 |
| 8/5/12 | 3:03:31 AM | 0.27 | 232 | 458 | 102 |
| 8/5/12 | 3:04:31 AM | 0.28 | 232 | 462 | 102 |
| 8/5/12 | 3:05:31 AM | 0.27 | 232 | 462 | 102 |
| 8/5/12 | 3:06:31 AM | 0.27 | 232 | 462 | 102 |
| 8/5/12 | 3:07:31 AM | 0.27 | 232 | 462 | 102 |
| 8/5/12 | 3:08:31 AM | 0.27 | 232 | 459 | 102 |
| 8/5/12 | 3:09:31 AM | 0.27 | 232 | 458 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 3:10:31 AM | 0.28 | 232 | 460 | 102 |
| 8/5/12 | 3:11:31 AM | 0.27 | 233 | 460 | 102 |
| 8/5/12 | 3:12:31 AM | 0.28 | 232 | 460 | 102 |
| 8/5/12 | 3:13:31 AM | 0.27 | 232 | 460 | 102 |
| 8/5/12 | 3:14:31 AM | 0.28 | 232 | 459 | 102 |
| 8/5/12 | 3:15:31 AM | 0.27 | 233 | 459 | 102 |
| 8/5/12 | 3:16:31 AM | 0.28 | 233 | 458 | 102 |
| 8/5/12 | 3:17:31 AM | 0.27 | 233 | 459 | 102 |
| 8/5/12 | 3:18:31 AM | 0.28 | 233 | 458 | 102 |
| 8/5/12 | 3:19:31 AM | 0.28 | 233 | 456 | 102 |
| 8/5/12 | 3:20:31 AM | 0.28 | 232 | 456 | 102 |
| 8/5/12 | 3:21:31 AM | 0.27 | 232 | 457 | 102 |
| 8/5/12 | 3:22:31 AM | 0.28 | 231 | 457 | 102 |
| 8/5/12 | 3:23:31 AM | 0.28 | 232 | 457 | 102 |
| 8/5/12 | 3:24:31 AM | 0.28 | 232 | 458 | 102 |
| 8/5/12 | 3:25:31 AM | 0.28 | 231 | 458 | 102 |
| 8/5/12 | 3:26:31 AM | 0.27 | 231 | 458 | 102 |
| 8/5/12 | 3:27:31 AM | 0.28 | 232 | 458 | 102 |
| 8/5/12 | 3:28:31 AM | 0.28 | 232 | 457 | 102 |
| 8/5/12 | 3:29:31 AM | 0.27 | 232 | 457 | 102 |
| 8/5/12 | 3:30:31 AM | 0.27 | 232 | 457 | 102 |
| 8/5/12 | 3:31:31 AM | 0.28 | 231 | 457 | 102 |
| 8/5/12 | 3:32:31 AM | 0.28 | 231 | 457 | 102 |
| 8/5/12 | 3:33:31 AM | 0.27 | 231 | 458 | 102 |
| 8/5/12 | 3:34:31 AM | 0.28 | 231 | 455 | 102 |
| 8/5/12 | 3:35:31 AM | 0.28 | 231 | 455 | 102 |
| 8/5/12 | 3:36:31 AM | 0.28 | 231 | 457 | 102 |
| 8/5/12 | 3:37:31 AM | 0.27 | 232 | 457 | 102 |
| 8/5/12 | 3:38:31 AM | 0.28 | 232 | 457 | 102 |
| 8/5/12 | 3:39:31 AM | 0.28 | 232 | 457 | 102 |
| 8/5/12 | 3:40:31 AM | 0.28 | 232 | 457 | 102 |
| 8/5/12 | 3:41:31 AM | 0.28 | 232 | 458 | 102 |
| 8/5/12 | 3:42:31 AM | 0.28 | 232 | 458 | 102 |
| 8/5/12 | 3:43:31 AM | 0.28 | 233 | 457 | 102 |
| 8/5/12 | 3:44:31 AM | 0.28 | 233 | 457 | 102 |
| 8/5/12 | 3:45:31 AM | 0.27 | 233 | 457 | 102 |
| 8/5/12 | 3:46:31 AM | 0.28 | 234 | 457 | 102 |
| 8/5/12 | 3:47:31 AM | 0.27 | 234 | 457 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 3:48:31 AM | 0.28 | 234 | 457 | 102 |
| 8/5/12 | 3:49:31 AM | 0.28 | 233 | 458 | 102 |
| 8/5/12 | 3:50:31 AM | 0.28 | 233 | 457 | 102 |
| 8/5/12 | 3:51:31 AM | 0.28 | 233 | 457 | 102 |
| 8/5/12 | 3:52:31 AM | 0.28 | 233 | 458 | 102 |
| 8/5/12 | 3:53:31 AM | 0.28 | 233 | 458 | 102 |
| 8/5/12 | 3:54:31 AM | 0.28 | 232 | 458 | 102 |
| 8/5/12 | 3:55:31 AM | 0.28 | 232 | 457 | 102 |
| 8/5/12 | 3:56:31 AM | 0.28 | 232 | 458 | 102 |
| 8/5/12 | 3:57:31 AM | 0.28 | 232 | 457 | 102 |
| 8/5/12 | 3:58:31 AM | 0.28 | 232 | 457 | 102 |
| 8/5/12 | 3:59:31 AM | 0.28 | 232 | 457 | 102 |
| 8/5/12 | 4:00:31 AM | 0.27 | 232 | 457 | 102 |
| 8/5/12 | 4:01:31 AM | 0.27 | 232 | 458 | 102 |
| 8/5/12 | 4:02:31 AM | 0.27 | 232 | 458 | 102 |
| 8/5/12 | 4:03:31 AM | 0.28 | 231 | 458 | 102 |
| 8/5/12 | 4:04:31 AM | 0.28 | 230 | 454 | 102 |
| 8/5/12 | 4:05:31 AM | 0.28 | 229 | 454 | 102 |
| 8/5/12 | 4:06:31 AM | 0.28 | 228 | 454 | 102 |
| 8/5/12 | 4:07:31 AM | 0.28 | 228 | 452 | 102 |
| 8/5/12 | 4:08:31 AM | 0.28 | 227 | 452 | 102 |
| 8/5/12 | 4:09:31 AM | 0.27 | 226 | 451 | 102 |
| 8/5/12 | 4:10:31 AM | 0.28 | 227 | 450 | 102 |
| 8/5/12 | 4:11:31 AM | 0.28 | 227 | 451 | 102 |
| 8/5/12 | 4:12:31 AM | 0.28 | 228 | 450 | 102 |
| 8/5/12 | 4:13:31 AM | 0.28 | 227 | 450 | 102 |
| 8/5/12 | 4:14:31 AM | 0.28 | 227 | 450 | 102 |
| 8/5/12 | 4:15:31 AM | 0.28 | 228 | 450 | 102 |
| 8/5/12 | 4:16:31 AM | 0.28 | 228 | 451 | 102 |
| 8/5/12 | 4:17:31 AM | 0.28 | 228 | 451 | 102 |
| 8/5/12 | 4:18:31 AM | 0.27 | 228 | 449 | 102 |
| 8/5/12 | 4:19:31 AM | 0.28 | 227 | 456 | 102 |
| 8/5/12 | 4:20:31 AM | 0.28 | 227 | 454 | 102 |
| 8/5/12 | 4:21:31 AM | 0.28 | 227 | 454 | 102 |
| 8/5/12 | 4:22:31 AM | 0.28 | 227 | 456 | 102 |
| 8/5/12 | 4:23:31 AM | 0.27 | 227 | 454 | 102 |
| 8/5/12 | 4:24:31 AM | 0.28 | 227 | 453 | 102 |
| 8/5/12 | 4:25:31 AM | 0.28 | 226 | 453 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 4:26:31 AM | 0.28 | 226 | 450 | 102 |
| 8/5/12 | 4:27:31 AM | 0.28 | 226 | 449 | 102 |
| 8/5/12 | 4:28:31 AM | 0.28 | 227 | 449 | 102 |
| 8/5/12 | 4:29:31 AM | 0.28 | 226 | 449 | 102 |
| 8/5/12 | 4:30:31 AM | 0.27 | 225 | 449 | 102 |
| 8/5/12 | 4:31:31 AM | 0.28 | 225 | 448 | 102 |
| 8/5/12 | 4:32:31 AM | 0.27 | 224 | 447 | 102 |
| 8/5/12 | 4:33:31 AM | 0.28 | 224 | 447 | 102 |
| 8/5/12 | 4:34:31 AM | 0.28 | 223 | 447 | 102 |
| 8/5/12 | 4:35:31 AM | 0.28 | 223 | 445 | 102 |
| 8/5/12 | 4:36:31 AM | 0.28 | 223 | 443 | 102 |
| 8/5/12 | 4:37:31 AM | 0.28 | 224 | 444 | 102 |
| 8/5/12 | 4:38:31 AM | 0.28 | 224 | 444 | 102 |
| 8/5/12 | 4:39:31 AM | 0.28 | 223 | 444 | 102 |
| 8/5/12 | 4:40:31 AM | 0.28 | 223 | 443 | 102 |
| 8/5/12 | 4:41:31 AM | 0.28 | 224 | 443 | 102 |
| 8/5/12 | 4:42:31 AM | 0.28 | 225 | 443 | 102 |
| 8/5/12 | 4:43:31 AM | 0.28 | 224 | 442 | 102 |
| 8/5/12 | 4:44:31 AM | 0.28 | 223 | 443 | 102 |
| 8/5/12 | 4:45:31 AM | 0.28 | 223 | 443 | 102 |
| 8/5/12 | 4:46:31 AM | 0.28 | 224 | 442 | 102 |
| 8/5/12 | 4:47:31 AM | 0.28 | 224 | 443 | 102 |
| 8/5/12 | 4:48:31 AM | 0.28 | 225 | 442 | 102 |
| 8/5/12 | 4:49:31 AM | 0.28 | 226 | 443 | 102 |
| 8/5/12 | 4:50:31 AM | 0.28 | 226 | 443 | 102 |
| 8/5/12 | 4:51:31 AM | 0.28 | 226 | 444 | 102 |
| 8/5/12 | 4:52:31 AM | 0.28 | 226 | 443 | 102 |
| 8/5/12 | 4:53:31 AM | 0.27 | 226 | 447 | 102 |
| 8/5/12 | 4:54:31 AM | 0.28 | 226 | 446 | 102 |
| 8/5/12 | 4:55:31 AM | 0.28 | 225 | 447 | 102 |
| 8/5/12 | 4:56:31 AM | 0.28 | 225 | 446 | 102 |
| 8/5/12 | 4:57:31 AM | 0.28 | 224 | 445 | 102 |
| 8/5/12 | 4:58:31 AM | 0.28 | 223 | 443 | 102 |
| 8/5/12 | 4:59:31 AM | 0.28 | 223 | 444 | 102 |
| 8/5/12 | 5:00:31 AM | 0.28 | 224 | 443 | 102 |
| 8/5/12 | 5:01:31 AM | 0.28 | 224 | 443 | 102 |
| 8/5/12 | 5:02:31 AM | 0.28 | 224 | 443 | 102 |
| 8/5/12 | 5:03:31 AM | 0.28 | 224 | 442 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 5:04:31 AM | 0.28 | 224 | 445 | 102 |
| 8/5/12 | 5:05:31 AM | 0.28 | 224 | 447 | 102 |
| 8/5/12 | 5:06:31 AM | 0.28 | 225 | 447 | 102 |
| 8/5/12 | 5:07:31 AM | 0.28 | 225 | 443 | 102 |
| 8/5/12 | 5:08:31 AM | 0.28 | 225 | 443 | 102 |
| 8/5/12 | 5:09:31 AM | 0.28 | 224 | 446 | 102 |
| 8/5/12 | 5:10:31 AM | 0.28 | 224 | 443 | 102 |
| 8/5/12 | 5:11:31 AM | 0.28 | 224 | 443 | 102 |
| 8/5/12 | 5:12:31 AM | 0.28 | 225 | 443 | 102 |
| 8/5/12 | 5:13:31 AM | 0.28 | 225 | 443 | 102 |
| 8/5/12 | 5:14:31 AM | 0.28 | 226 | 442 | 102 |
| 8/5/12 | 5:15:31 AM | 0.28 | 226 | 446 | 102 |
| 8/5/12 | 5:16:31 AM | 0.28 | 225 | 444 | 102 |
| 8/5/12 | 5:17:31 AM | 0.28 | 225 | 443 | 102 |
| 8/5/12 | 5:18:31 AM | 0.28 | 224 | 444 | 102 |
| 8/5/12 | 5:19:31 AM | 0.28 | 224 | 445 | 102 |
| 8/5/12 | 5:20:31 AM | 0.28 | 224 | 444 | 102 |
| 8/5/12 | 5:21:31 AM | 0.28 | 225 | 445 | 102 |
| 8/5/12 | 5:22:31 AM | 0.28 | 225 | 445 | 102 |
| 8/5/12 | 5:23:31 AM | 0.28 | 225 | 445 | 102 |
| 8/5/12 | 5:24:31 AM | 0.28 | 225 | 444 | 102 |
| 8/5/12 | 5:25:31 AM | 0.28 | 224 | 443 | 102 |
| 8/5/12 | 5:26:31 AM | 0.28 | 224 | 443 | 102 |
| 8/5/12 | 5:27:31 AM | 0.28 | 225 | 443 | 102 |
| 8/5/12 | 5:28:31 AM | 0.28 | 225 | 444 | 102 |
| 8/5/12 | 5:29:31 AM | 0.28 | 225 | 444 | 102 |
| 8/5/12 | 5:30:31 AM | 0.28 | 224 | 442 | 102 |
| 8/5/12 | 5:31:31 AM | 0.28 | 224 | 442 | 102 |
| 8/5/12 | 5:32:31 AM | 0.28 | 225 | 444 | 102 |
| 8/5/12 | 5:33:31 AM | 0.28 | 225 | 445 | 102 |
| 8/5/12 | 5:34:31 AM | 0.28 | 225 | 445 | 102 |
| 8/5/12 | 5:35:31 AM | 0.28 | 225 | 445 | 102 |
| 8/5/12 | 5:36:31 AM | 0.28 | 224 | 444 | 102 |
| 8/5/12 | 5:37:31 AM | 0.28 | 224 | 444 | 102 |
| 8/5/12 | 5:38:31 AM | 0.28 | 225 | 442 | 102 |
| 8/5/12 | 5:39:31 AM | 0.28 | 225 | 445 | 102 |
| 8/5/12 | 5:40:31 AM | 0.28 | 225 | 446 | 102 |
| 8/5/12 | 5:41:31 AM | 0.28 | 226 | 446 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 5:42:31 AM | 0.28 | 227 | 446 | 102 |
| 8/5/12 | 5:43:31 AM | 0.28 | 227 | 446 | 102 |
| 8/5/12 | 5:44:31 AM | 0.28 | 226 | 445 | 102 |
| 8/5/12 | 5:45:31 AM | 0.28 | 227 | 447 | 102 |
| 8/5/12 | 5:46:31 AM | 0.28 | 227 | 448 | 102 |
| 8/5/12 | 5:47:31 AM | 0.28 | 227 | 447 | 102 |
| 8/5/12 | 5:48:31 AM | 0.28 | 227 | 448 | 102 |
| 8/5/12 | 5:49:31 AM | 0.28 | 228 | 448 | 102 |
| 8/5/12 | 5:50:31 AM | 0.28 | 227 | 450 | 102 |
| 8/5/12 | 5:51:31 AM | 0.28 | 227 | 448 | 102 |
| 8/5/12 | 5:52:31 AM | 0.28 | 228 | 448 | 102 |
| 8/5/12 | 5:53:31 AM | 0.28 | 228 | 448 | 102 |
| 8/5/12 | 5:54:31 AM | 0.28 | 228 | 449 | 102 |
| 8/5/12 | 5:55:31 AM | 0.28 | 227 | 449 | 102 |
| 8/5/12 | 5:56:31 AM | 0.28 | 226 | 448 | 102 |
| 8/5/12 | 5:57:31 AM | 0.28 | 226 | 447 | 102 |
| 8/5/12 | 5:58:31 AM | 0.28 | 227 | 449 | 102 |
| 8/5/12 | 5:59:31 AM | 0.28 | 227 | 449 | 102 |
| 8/5/12 | 6:00:31 AM | 0.28 | 229 | 448 | 102 |
| 8/5/12 | 6:01:31 AM | 0.28 | 229 | 451 | 102 |
| 8/5/12 | 6:02:31 AM | 0.28 | 228 | 451 | 102 |
| 8/5/12 | 6:03:31 AM | 0.28 | 228 | 448 | 102 |
| 8/5/12 | 6:04:31 AM | 0.28 | 228 | 448 | 102 |
| 8/5/12 | 6:05:31 AM | 0.27 | 228 | 447 | 102 |
| 8/5/12 | 6:06:31 AM | 0.28 | 228 | 448 | 102 |
| 8/5/12 | 6:07:31 AM | 0.28 | 228 | 451 | 102 |
| 8/5/12 | 6:08:31 AM | 0.28 | 228 | 451 | 102 |
| 8/5/12 | 6:09:31 AM | 0.28 | 229 | 451 | 102 |
| 8/5/12 | 6:10:31 AM | 0.28 | 229 | 451 | 102 |
| 8/5/12 | 6:11:31 AM | 0.28 | 228 | 451 | 102 |
| 8/5/12 | 6:12:31 AM | 0.28 | 227 | 450 | 102 |
| 8/5/12 | 6:13:31 AM | 0.28 | 228 | 451 | 102 |
| 8/5/12 | 6:14:31 AM | 0.28 | 227 | 450 | 102 |
| 8/5/12 | 6:15:31 AM | 0.28 | 226 | 450 | 102 |
| 8/5/12 | 6:16:31 AM | 0.28 | 228 | 450 | 102 |
| 8/5/12 | 6:17:31 AM | 0.28 | 228 | 451 | 102 |
| 8/5/12 | 6:18:31 AM | 0.28 | 228 | 451 | 102 |
| 8/5/12 | 6:19:31 AM | 0.28 | 228 | 450 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 6:20:31 AM | 0.27 | 227 | 449 | 102 |
| 8/5/12 | 6:21:31 AM | 0.28 | 227 | 449 | 102 |
| 8/5/12 | 6:22:31 AM | 0.28 | 228 | 448 | 102 |
| 8/5/12 | 6:23:31 AM | 0.28 | 228 | 449 | 102 |
| 8/5/12 | 6:24:31 AM | 0.28 | 228 | 448 | 102 |
| 8/5/12 | 6:25:31 AM | 0.28 | 227 | 448 | 102 |
| 8/5/12 | 6:26:31 AM | 0.28 | 228 | 447 | 102 |
| 8/5/12 | 6:27:31 AM | 0.27 | 228 | 447 | 102 |
| 8/5/12 | 6:28:31 AM | 0.28 | 228 | 447 | 102 |
| 8/5/12 | 6:29:31 AM | 0.28 | 228 | 448 | 102 |
| 8/5/12 | 6:30:31 AM | 0.27 | 229 | 447 | 102 |
| 8/5/12 | 6:31:31 AM | 0.28 | 230 | 447 | 102 |
| 8/5/12 | 6:32:31 AM | 0.28 | 230 | 448 | 102 |
| 8/5/12 | 6:33:31 AM | 0.28 | 232 | 449 | 102 |
| 8/5/12 | 6:34:31 AM | 0.28 | 232 | 450 | 102 |
| 8/5/12 | 6:35:31 AM | 0.28 | 232 | 450 | 102 |
| 8/5/12 | 6:36:31 AM | 0.28 | 232 | 450 | 102 |
| 8/5/12 | 6:37:31 AM | 0.28 | 231 | 449 | 102 |
| 8/5/12 | 6:38:31 AM | 0.28 | 231 | 451 | 102 |
| 8/5/12 | 6:39:31 AM | 0.28 | 232 | 452 | 102 |
| 8/5/12 | 6:40:31 AM | 0.27 | 232 | 450 | 102 |
| 8/5/12 | 6:41:31 AM | 0.28 | 232 | 451 | 102 |
| 8/5/12 | 6:42:31 AM | 0.27 | 231 | 455 | 102 |
| 8/5/12 | 6:43:31 AM | 0.28 | 232 | 454 | 102 |
| 8/5/12 | 6:44:31 AM | 0.28 | 232 | 457 | 102 |
| 8/5/12 | 6:45:31 AM | 0.28 | 232 | 456 | 102 |
| 8/5/12 | 6:46:31 AM | 0.28 | 232 | 457 | 102 |
| 8/5/12 | 6:47:31 AM | 0.28 | 231 | 454 | 102 |
| 8/5/12 | 6:48:31 AM | 0.28 | 231 | 453 | 102 |
| 8/5/12 | 6:49:31 AM | 0.28 | 231 | 452 | 102 |
| 8/5/12 | 6:50:31 AM | 0.28 | 232 | 452 | 102 |
| 8/5/12 | 6:51:31 AM | 0.28 | 232 | 452 | 102 |
| 8/5/12 | 6:52:31 AM | 0.27 | 231 | 452 | 102 |
| 8/5/12 | 6:53:31 AM | 0.28 | 229 | 452 | 102 |
| 8/5/12 | 6:54:31 AM | 0.28 | 228 | 451 | 102 |
| 8/5/12 | 6:55:31 AM | 0.28 | 227 | 450 | 102 |
| 8/5/12 | 6:56:31 AM | 0.28 | 227 | 449 | 102 |
| 8/5/12 | 6:57:31 AM | 0.28 | 228 | 448 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 6:58:31 AM | 0.28 | 228 | 448 | 102 |
| 8/5/12 | 6:59:31 AM | 0.28 | 229 | 448 | 102 |
| 8/5/12 | 7:00:31 AM | 0.28 | 230 | 451 | 102 |
| 8/5/12 | 7:01:31 AM | 0.28 | 230 | 449 | 102 |
| 8/5/12 | 7:02:31 AM | 0.27 | 230 | 448 | 102 |
| 8/5/12 | 7:03:31 AM | 0.28 | 231 | 451 | 102 |
| 8/5/12 | 7:04:31 AM | 0.28 | 231 | 452 | 102 |
| 8/5/12 | 7:05:31 AM | 0.27 | 231 | 450 | 102 |
| 8/5/12 | 7:06:31 AM | 0.28 | 232 | 450 | 102 |
| 8/5/12 | 7:07:31 AM | 0.28 | 231 | 452 | 102 |
| 8/5/12 | 7:08:31 AM | 0.28 | 231 | 451 | 102 |
| 8/5/12 | 7:09:31 AM | 0.27 | 231 | 452 | 102 |
| 8/5/12 | 7:10:31 AM | 0.27 | 231 | 451 | 102 |
| 8/5/12 | 7:11:31 AM | 0.28 | 230 | 452 | 102 |
| 8/5/12 | 7:12:31 AM | 0.28 | 231 | 453 | 102 |
| 8/5/12 | 7:13:31 AM | 0.28 | 231 | 452 | 102 |
| 8/5/12 | 7:14:31 AM | 0.28 | 230 | 449 | 102 |
| 8/5/12 | 7:15:31 AM | 0.28 | 230 | 449 | 102 |
| 8/5/12 | 7:16:31 AM | 0.28 | 229 | 450 | 102 |
| 8/5/12 | 7:17:31 AM | 0.28 | 227 | 452 | 102 |
| 8/5/12 | 7:18:31 AM | 0.28 | 227 | 448 | 102 |
| 8/5/12 | 7:19:31 AM | 0.28 | 228 | 448 | 102 |
| 8/5/12 | 7:20:31 AM | 0.28 | 228 | 448 | 102 |
| 8/5/12 | 7:21:31 AM | 0.28 | 228 | 447 | 102 |
| 8/5/12 | 7:22:31 AM | 0.28 | 227 | 447 | 102 |
| 8/5/12 | 7:23:31 AM | 0.28 | 227 | 447 | 102 |
| 8/5/12 | 7:24:31 AM | 0.28 | 227 | 447 | 102 |
| 8/5/12 | 7:25:31 AM | 0.28 | 228 | 447 | 102 |
| 8/5/12 | 7:26:31 AM | 0.28 | 229 | 448 | 102 |
| 8/5/12 | 7:27:31 AM | 0.28 | 229 | 450 | 102 |
| 8/5/12 | 7:28:31 AM | 0.28 | 228 | 447 | 102 |
| 8/5/12 | 7:29:31 AM | 0.28 | 227 | 448 | 102 |
| 8/5/12 | 7:30:31 AM | 0.28 | 226 | 447 | 102 |
| 8/5/12 | 7:31:31 AM | 0.28 | 225 | 447 | 102 |
| 8/5/12 | 7:32:31 AM | 0.28 | 226 | 444 | 102 |
| 8/5/12 | 7:33:31 AM | 0.28 | 225 | 444 | 102 |
| 8/5/12 | 7:34:31 AM | 0.28 | 225 | 445 | 102 |
| 8/5/12 | 7:35:31 AM | 0.28 | 224 | 444 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 7:36:31 AM | 0.28 | 225 | 444 | 102 |
| 8/5/12 | 7:37:31 AM | 0.28 | 225 | 446 | 102 |
| 8/5/12 | 7:38:31 AM | 0.28 | 225 | 446 | 102 |
| 8/5/12 | 7:39:31 AM | 0.28 | 226 | 444 | 102 |
| 8/5/12 | 7:40:31 AM | 0.28 | 226 | 445 | 102 |
| 8/5/12 | 7:41:31 AM | 0.28 | 226 | 447 | 102 |
| 8/5/12 | 7:42:31 AM | 0.28 | 226 | 447 | 102 |
| 8/5/12 | 7:43:31 AM | 0.28 | 226 | 448 | 102 |
| 8/5/12 | 7:44:31 AM | 0.28 | 227 | 448 | 102 |
| 8/5/12 | 7:45:31 AM | 0.28 | 228 | 448 | 102 |
| 8/5/12 | 7:46:31 AM | 0.28 | 229 | 449 | 102 |
| 8/5/12 | 7:47:31 AM | 0.28 | 229 | 450 | 102 |
| 8/5/12 | 7:48:31 AM | 0.28 | 230 | 450 | 102 |
| 8/5/12 | 7:49:31 AM | 0.28 | 230 | 452 | 102 |
| 8/5/12 | 7:50:31 AM | 0.28 | 229 | 452 | 102 |
| 8/5/12 | 7:51:31 AM | 0.28 | 229 | 452 | 102 |
| 8/5/12 | 7:52:31 AM | 0.28 | 229 | 452 | 102 |
| 8/5/12 | 7:53:31 AM | 0.28 | 228 | 453 | 102 |
| 8/5/12 | 7:54:31 AM | 0.28 | 228 | 453 | 102 |
| 8/5/12 | 7:55:31 AM | 0.28 | 227 | 450 | 102 |
| 8/5/12 | 7:56:31 AM | 0.28 | 228 | 449 | 102 |
| 8/5/12 | 7:57:31 AM | 0.28 | 227 | 448 | 102 |
| 8/5/12 | 7:58:31 AM | 0.28 | 228 | 447 | 102 |
| 8/5/12 | 7:59:31 AM | 0.28 | 228 | 449 | 102 |
| 8/5/12 | 8:00:31 AM | 0.28 | 228 | 447 | 102 |
| 8/5/12 | 8:01:31 AM | 0.28 | 228 | 447 | 102 |
| 8/5/12 | 8:02:31 AM | 0.28 | 229 | 449 | 102 |
| 8/5/12 | 8:03:31 AM | 0.28 | 229 | 452 | 102 |
| 8/5/12 | 8:04:31 AM | 0.28 | 230 | 452 | 102 |
| 8/5/12 | 8:05:31 AM | 0.27 | 229 | 453 | 102 |
| 8/5/12 | 8:06:31 AM | 0.28 | 229 | 452 | 102 |
| 8/5/12 | 8:07:31 AM | 0.28 | 229 | 452 | 102 |
| 8/5/12 | 8:08:31 AM | 0.28 | 229 | 453 | 102 |
| 8/5/12 | 8:09:31 AM | 0.28 | 229 | 452 | 102 |
| 8/5/12 | 8:10:31 AM | 0.28 | 229 | 452 | 102 |
| 8/5/12 | 8:11:31 AM | 0.27 | 228 | 452 | 102 |
| 8/5/12 | 8:12:31 AM | 0.28 | 228 | 451 | 102 |
| 8/5/12 | 8:13:31 AM | 0.28 | 229 | 450 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 8:14:31 AM | 0.28 | 229 | 450 | 102 |
| 8/5/12 | 8:15:31 AM | 0.28 | 227 | 449 | 102 |
| 8/5/12 | 8:16:31 AM | 0.28 | 227 | 448 | 102 |
| 8/5/12 | 8:17:31 AM | 0.28 | 226 | 447 | 102 |
| 8/5/12 | 8:18:31 AM | 0.28 | 225 | 446 | 102 |
| 8/5/12 | 8:19:31 AM | 0.28 | 224 | 445 | 102 |
| 8/5/12 | 8:20:31 AM | 0.28 | 226 | 444 | 102 |
| 8/5/12 | 8:21:31 AM | 0.28 | 227 | 447 | 102 |
| 8/5/12 | 8:22:31 AM | 0.28 | 227 | 447 | 102 |
| 8/5/12 | 8:23:31 AM | 0.28 | 226 | 446 | 102 |
| 8/5/12 | 8:24:31 AM | 0.28 | 226 | 443 | 102 |
| 8/5/12 | 8:25:31 AM | 0.28 | 225 | 443 | 102 |
| 8/5/12 | 8:26:31 AM | 0.28 | 225 | 443 | 102 |
| 8/5/12 | 8:27:31 AM | 0.28 | 225 | 443 | 102 |
| 8/5/12 | 8:28:31 AM | 0.28 | 226 | 444 | 102 |
| 8/5/12 | 8:29:31 AM | 0.28 | 227 | 446 | 102 |
| 8/5/12 | 8:30:31 AM | 0.28 | 227 | 444 | 102 |
| 8/5/12 | 8:31:31 AM | 0.27 | 226 | 444 | 102 |
| 8/5/12 | 8:32:31 AM | 0.28 | 226 | 443 | 102 |
| 8/5/12 | 8:33:31 AM | 0.28 | 226 | 443 | 102 |
| 8/5/12 | 8:34:31 AM | 0.28 | 227 | 442 | 102 |
| 8/5/12 | 8:35:31 AM | 0.28 | 227 | 443 | 102 |
| 8/5/12 | 8:36:31 AM | 0.28 | 227 | 443 | 102 |
| 8/5/12 | 8:37:31 AM | 0.28 | 228 | 444 | 102 |
| 8/5/12 | 8:38:31 AM | 0.28 | 228 | 446 | 102 |
| 8/5/12 | 8:39:31 AM | 0.28 | 228 | 447 | 102 |
| 8/5/12 | 8:40:31 AM | 0.28 | 227 | 447 | 102 |
| 8/5/12 | 8:41:31 AM | 0.27 | 225 | 447 | 102 |
| 8/5/12 | 8:42:31 AM | 0.28 | 226 | 448 | 102 |
| 8/5/12 | 8:43:31 AM | 0.28 | 226 | 448 | 102 |
| 8/5/12 | 8:44:31 AM | 0.28 | 226 | 448 | 102 |
| 8/5/12 | 8:45:31 AM | 0.28 | 227 | 449 | 102 |
| 8/5/12 | 8:46:31 AM | 0.28 | 227 | 449 | 102 |
| 8/5/12 | 8:47:31 AM | 0.28 | 226 | 447 | 102 |
| 8/5/12 | 8:48:31 AM | 0.28 | 226 | 451 | 102 |
| 8/5/12 | 8:49:31 AM | 0.28 | 226 | 450 | 102 |
| 8/5/12 | 8:50:31 AM | 0.28 | 225 | 447 | 102 |
| 8/5/12 | 8:51:31 AM | 0.28 | 224 | 444 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 8:52:31 AM | 0.28 | 224 | 443 | 102 |
| 8/5/12 | 8:53:31 AM | 0.28 | 224 | 444 | 102 |
| 8/5/12 | 8:54:31 AM | 0.28 | 224 | 443 | 102 |
| 8/5/12 | 8:55:31 AM | 0.28 | 225 | 445 | 102 |
| 8/5/12 | 8:56:31 AM | 0.28 | 225 | 444 | 102 |
| 8/5/12 | 8:57:31 AM | 0.28 | 225 | 444 | 102 |
| 8/5/12 | 8:58:31 AM | 0.28 | 226 | 445 | 102 |
| 8/5/12 | 8:59:31 AM | 0.28 | 227 | 444 | 102 |
| 8/5/12 | 9:00:31 AM | 0.28 | 227 | 446 | 102 |
| 8/5/12 | 9:01:31 AM | 0.28 | 226 | 444 | 102 |
| 8/5/12 | 9:02:31 AM | 0.28 | 227 | 445 | 102 |
| 8/5/12 | 9:03:31 AM | 0.28 | 229 | 447 | 102 |
| 8/5/12 | 9:04:31 AM | 0.28 | 229 | 449 | 102 |
| 8/5/12 | 9:05:31 AM | 0.27 | 229 | 449 | 102 |
| 8/5/12 | 9:06:31 AM | 0.28 | 228 | 449 | 102 |
| 8/5/12 | 9:07:31 AM | 0.28 | 227 | 449 | 102 |
| 8/5/12 | 9:08:31 AM | 0.28 | 226 | 449 | 102 |
| 8/5/12 | 9:09:31 AM | 0.28 | 225 | 449 | 102 |
| 8/5/12 | 9:10:31 AM | 0.28 | 225 | 451 | 102 |
| 8/5/12 | 9:11:31 AM | 0.28 | 225 | 449 | 102 |
| 8/5/12 | 9:12:31 AM | 0.28 | 224 | 449 | 102 |
| 8/5/12 | 9:13:31 AM | 0.28 | 224 | 447 | 102 |
| 8/5/12 | 9:14:31 AM | 0.28 | 223 | 448 | 102 |
| 8/5/12 | 9:15:31 AM | 0.28 | 222 | 448 | 102 |
| 8/5/12 | 9:16:31 AM | 0.28 | 222 | 445 | 102 |
| 8/5/12 | 9:17:31 AM | 0.28 | 223 | 446 | 102 |
| 8/5/12 | 9:18:31 AM | 0.28 | 225 | 448 | 102 |
| 8/5/12 | 9:19:31 AM | 0.28 | 225 | 447 | 102 |
| 8/5/12 | 9:20:31 AM | 0.28 | 225 | 447 | 102 |
| 8/5/12 | 9:21:31 AM | 0.28 | 225 | 446 | 102 |
| 8/5/12 | 9:22:31 AM | 0.28 | 224 | 445 | 102 |
| 8/5/12 | 9:23:31 AM | 0.28 | 222 | 444 | 102 |
| 8/5/12 | 9:24:31 AM | 0.28 | 223 | 442 | 102 |
| 8/5/12 | 9:25:31 AM | 0.28 | 223 | 444 | 102 |
| 8/5/12 | 9:26:31 AM | 0.28 | 224 | 444 | 102 |
| 8/5/12 | 9:27:31 AM | 0.28 | 225 | 445 | 102 |
| 8/5/12 | 9:28:31 AM | 0.28 | 225 | 447 | 102 |
| 8/5/12 | 9:29:31 AM | 0.28 | 225 | 446 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 9:30:31 AM | 0.28 | 226 | 447 | 102 |
| 8/5/12 | 9:31:31 AM | 0.28 | 227 | 447 | 102 |
| 8/5/12 | 9:32:31 AM | 0.28 | 228 | 447 | 102 |
| 8/5/12 | 9:33:31 AM | 0.28 | 228 | 449 | 102 |
| 8/5/12 | 9:34:31 AM | 0.28 | 227 | 450 | 102 |
| 8/5/12 | 9:35:31 AM | 0.28 | 227 | 447 | 102 |
| 8/5/12 | 9:36:31 AM | 0.28 | 225 | 448 | 102 |
| 8/5/12 | 9:37:31 AM | 0.28 | 224 | 448 | 102 |
| 8/5/12 | 9:38:31 AM | 0.28 | 224 | 447 | 102 |
| 8/5/12 | 9:39:31 AM | 0.28 | 224 | 447 | 102 |
| 8/5/12 | 9:40:31 AM | 0.28 | 225 | 447 | 102 |
| 8/5/12 | 9:41:31 AM | 0.28 | 224 | 448 | 102 |
| 8/5/12 | 9:42:31 AM | 0.28 | 226 | 447 | 102 |
| 8/5/12 | 9:43:31 AM | 0.28 | 226 | 449 | 102 |
| 8/5/12 | 9:44:31 AM | 0.28 | 226 | 448 | 102 |
| 8/5/12 | 9:45:31 AM | 0.28 | 225 | 447 | 102 |
| 8/5/12 | 9:46:31 AM | 0.28 | 225 | 448 | 102 |
| 8/5/12 | 9:47:31 AM | 0.28 | 224 | 447 | 102 |
| 8/5/12 | 9:48:31 AM | 0.28 | 226 | 448 | 102 |
| 8/5/12 | 9:49:31 AM | 0.28 | 228 | 449 | 102 |
| 8/5/12 | 9:50:31 AM | 0.28 | 228 | 451 | 102 |
| 8/5/12 | 9:51:31 AM | 0.28 | 230 | 452 | 102 |
| 8/5/12 | 9:52:31 AM | 0.28 | 229 | 454 | 102 |
| 8/5/12 | 9:53:31 AM | 0.28 | 229 | 452 | 102 |
| 8/5/12 | 9:54:31 AM | 0.28 | 230 | 460 | 102 |
| 8/5/12 | 9:55:31 AM | 0.28 | 230 | 459 | 102 |
| 8/5/12 | 9:56:31 AM | 0.28 | 229 | 457 | 102 |
| 8/5/12 | 9:57:31 AM | 0.28 | 229 | 455 | 102 |
| 8/5/12 | 9:58:31 AM | 0.28 | 230 | 455 | 102 |
| 8/5/12 | 9:59:31 AM | 0.28 | 229 | 453 | 102 |
| 8/5/12 | 10:00:31 AM | 0.28 | 229 | 453 | 102 |
| 8/5/12 | 10:01:31 AM | 0.28 | 229 | 455 | 102 |
| 8/5/12 | 10:02:31 AM | 0.28 | 229 | 454 | 102 |
| 8/5/12 | 10:03:31 AM | 0.28 | 227 | 452 | 102 |
| 8/5/12 | 10:04:31 AM | 0.28 | 226 | 452 | 102 |
| 8/5/12 | 10:05:31 AM | 0.28 | 226 | 452 | 102 |
| 8/5/12 | 10:06:31 AM | 0.28 | 226 | 451 | 102 |
| 8/5/12 | 10:07:31 AM | 0.28 | 226 | 452 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 10:08:31 AM | 0.28 | 226 | 452 | 102 |
| 8/5/12 | 10:09:31 AM | 0.28 | 226 | 451 | 102 |
| 8/5/12 | 10:10:31 AM | 0.28 | 225 | 452 | 102 |
| 8/5/12 | 10:11:31 AM | 0.28 | 223 | 451 | 102 |
| 8/5/12 | 10:12:31 AM | 0.28 | 222 | 449 | 102 |
| 8/5/12 | 10:13:31 AM | 0.29 | 221 | 449 | 102 |
| 8/5/12 | 10:14:31 AM | 0.28 | 221 | 447 | 102 |
| 8/5/12 | 10:15:31 AM | 0.28 | 223 | 448 | 102 |
| 8/5/12 | 10:16:31 AM | 0.28 | 224 | 449 | 102 |
| 8/5/12 | 10:17:31 AM | 0.28 | 223 | 452 | 102 |
| 8/5/12 | 10:18:31 AM | 0.28 | 223 | 449 | 102 |
| 8/5/12 | 10:19:31 AM | 0.28 | 223 | 448 | 102 |
| 8/5/12 | 10:20:31 AM | 0.28 | 222 | 446 | 102 |
| 8/5/12 | 10:21:31 AM | 0.28 | 222 | 442 | 102 |
| 8/5/12 | 10:22:31 AM | 0.29 | 221 | 443 | 102 |
| 8/5/12 | 10:23:31 AM | 0.28 | 220 | 442 | 102 |
| 8/5/12 | 10:24:31 AM | 0.28 | 221 | 440 | 102 |
| 8/5/12 | 10:25:31 AM | 0.28 | 222 | 442 | 102 |
| 8/5/12 | 10:26:31 AM | 0.28 | 222 | 442 | 102 |
| 8/5/12 | 10:27:31 AM | 0.29 | 223 | 443 | 102 |
| 8/5/12 | 10:28:31 AM | 0.28 | 221 | 443 | 102 |
| 8/5/12 | 10:29:31 AM | 0.28 | 221 | 442 | 102 |
| 8/5/12 | 10:30:31 AM | 0.28 | 222 | 441 | 102 |
| 8/5/12 | 10:31:31 AM | 0.28 | 223 | 443 | 102 |
| 8/5/12 | 10:32:31 AM | 0.28 | 223 | 445 | 102 |
| 8/5/12 | 10:33:31 AM | 0.28 | 222 | 445 | 102 |
| 8/5/12 | 10:34:31 AM | 0.28 | 222 | 444 | 102 |
| 8/5/12 | 10:35:31 AM | 0.29 | 221 | 445 | 102 |
| 8/5/12 | 10:36:31 AM | 0.28 | 222 | 446 | 102 |
| 8/5/12 | 10:37:31 AM | 0.28 | 222 | 444 | 102 |
| 8/5/12 | 10:38:31 AM | 0.28 | 222 | 444 | 102 |
| 8/5/12 | 10:39:31 AM | 0.28 | 221 | 446 | 102 |
| 8/5/12 | 10:40:31 AM | 0.28 | 221 | 443 | 102 |
| 8/5/12 | 10:41:31 AM | 0.28 | 221 | 443 | 102 |
| 8/5/12 | 10:42:31 AM | 0.28 | 221 | 442 | 102 |
| 8/5/12 | 10:43:31 AM | 0.28 | 222 | 442 | 102 |
| 8/5/12 | 10:44:31 AM | 0.28 | 222 | 443 | 102 |
| 8/5/12 | 10:45:31 AM | 0.28 | 221 | 444 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 10:46:31 AM | 0.28 | 220 | 444 | 102 |
| 8/5/12 | 10:47:31 AM | 0.28 | 220 | 442 | 102 |
| 8/5/12 | 10:48:31 AM | 0.28 | 221 | 442 | 102 |
| 8/5/12 | 10:49:31 AM | 0.29 | 222 | 443 | 102 |
| 8/5/12 | 10:50:31 AM | 0.28 | 224 | 445 | 102 |
| 8/5/12 | 10:51:31 AM | 0.28 | 224 | 447 | 102 |
| 8/5/12 | 10:52:31 AM | 0.28 | 222 | 447 | 102 |
| 8/5/12 | 10:53:31 AM | 0.28 | 221 | 447 | 102 |
| 8/5/12 | 10:54:31 AM | 0.28 | 220 | 447 | 102 |
| 8/5/12 | 10:55:31 AM | 0.28 | 219 | 447 | 102 |
| 8/5/12 | 10:56:31 AM | 0.28 | 220 | 444 | 102 |
| 8/5/12 | 10:57:31 AM | 0.28 | 221 | 444 | 102 |
| 8/5/12 | 10:58:31 AM | 0.28 | 221 | 447 | 102 |
| 8/5/12 | 10:59:31 AM | 0.28 | 220 | 445 | 102 |
| 8/5/12 | 11:00:31 AM | 0.28 | 220 | 444 | 102 |
| 8/5/12 | 11:01:31 AM | 0.28 | 220 | 444 | 102 |
| 8/5/12 | 11:02:31 AM | 0.28 | 221 | 445 | 102 |
| 8/5/12 | 11:03:31 AM | 0.28 | 221 | 446 | 102 |
| 8/5/12 | 11:04:31 AM | 0.28 | 221 | 446 | 102 |
| 8/5/12 | 11:05:31 AM | 0.28 | 221 | 446 | 102 |
| 8/5/12 | 11:06:31 AM | 0.28 | 222 | 446 | 102 |
| 8/5/12 | 11:07:31 AM | 0.28 | 224 | 447 | 102 |
| 8/5/12 | 11:08:31 AM | 0.28 | 226 | 449 | 102 |
| 8/5/12 | 11:09:31 AM | 0.28 | 224 | 451 | 102 |
| 8/5/12 | 11:10:31 AM | 0.28 | 223 | 447 | 102 |
| 8/5/12 | 11:11:31 AM | 0.28 | 222 | 448 | 102 |
| 8/5/12 | 11:12:31 AM | 0.28 | 221 | 447 | 102 |
| 8/5/12 | 11:13:31 AM | 0.28 | 221 | 447 | 102 |
| 8/5/12 | 11:14:31 AM | 0.28 | 220 | 447 | 102 |
| 8/5/12 | 11:15:31 AM | 0.28 | 220 | 447 | 102 |
| 8/5/12 | 11:16:31 AM | 0.28 | 222 | 452 | 102 |
| 8/5/12 | 11:17:31 AM | 0.28 | 222 | 453 | 102 |
| 8/5/12 | 11:18:31 AM | 0.28 | 222 | 453 | 102 |
| 8/5/12 | 11:19:31 AM | 0.28 | 222 | 453 | 102 |
| 8/5/12 | 11:20:31 AM | 0.28 | 221 | 450 | 102 |
| 8/5/12 | 11:21:31 AM | 0.28 | 221 | 448 | 102 |
| 8/5/12 | 11:22:31 AM | 0.29 | 220 | 447 | 102 |
| 8/5/12 | 11:23:31 AM | 0.29 | 220 | 446 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 11:24:31 AM | 0.29 | 221 | 447 | 102 |
| 8/5/12 | 11:25:31 AM | 0.28 | 220 | 447 | 102 |
| 8/5/12 | 11:26:31 AM | 0.28 | 220 | 447 | 102 |
| 8/5/12 | 11:27:31 AM | 0.28 | 220 | 447 | 102 |
| 8/5/12 | 11:28:31 AM | 0.29 | 221 | 447 | 102 |
| 8/5/12 | 11:29:31 AM | 0.28 | 221 | 447 | 102 |
| 8/5/12 | 11:30:31 AM | 0.28 | 222 | 446 | 102 |
| 8/5/12 | 11:31:31 AM | 0.28 | 222 | 448 | 102 |
| 8/5/12 | 11:32:31 AM | 0.29 | 223 | 450 | 102 |
| 8/5/12 | 11:33:31 AM | 0.29 | 223 | 450 | 102 |
| 8/5/12 | 11:34:31 AM | 0.29 | 223 | 449 | 102 |
| 8/5/12 | 11:35:31 AM | 0.28 | 222 | 450 | 102 |
| 8/5/12 | 11:36:31 AM | 0.28 | 222 | 448 | 102 |
| 8/5/12 | 11:37:31 AM | 0.29 | 221 | 447 | 102 |
| 8/5/12 | 11:38:31 AM | 0.28 | 220 | 447 | 102 |
| 8/5/12 | 11:39:31 AM | 0.29 | 219 | 446 | 102 |
| 8/5/12 | 11:40:31 AM | 0.29 | 219 | 445 | 102 |
| 8/5/12 | 11:41:31 AM | 0.28 | 219 | 445 | 102 |
| 8/5/12 | 11:42:31 AM | 0.28 | 221 | 447 | 102 |
| 8/5/12 | 11:43:31 AM | 0.28 | 221 | 448 | 102 |
| 8/5/12 | 11:44:31 AM | 0.28 | 222 | 449 | 102 |
| 8/5/12 | 11:45:31 AM | 0.28 | 223 | 450 | 102 |
| 8/5/12 | 11:46:31 AM | 0.28 | 224 | 449 | 102 |
| 8/5/12 | 11:47:31 AM | 0.28 | 224 | 449 | 102 |
| 8/5/12 | 11:48:31 AM | 0.28 | 225 | 452 | 102 |
| 8/5/12 | 11:49:31 AM | 0.28 | 225 | 453 | 102 |
| 8/5/12 | 11:50:31 AM | 0.28 | 224 | 452 | 102 |
| 8/5/12 | 11:51:31 AM | 0.28 | 224 | 454 | 102 |
| 8/5/12 | 11:52:31 AM | 0.27 | 224 | 454 | 102 |
| 8/5/12 | 11:53:31 AM | 0.28 | 224 | 452 | 102 |
| 8/5/12 | 11:54:31 AM | 0.28 | 224 | 453 | 102 |
| 8/5/12 | 11:55:31 AM | 0.28 | 222 | 453 | 102 |
| 8/5/12 | 11:56:31 AM | 0.28 | 222 | 452 | 102 |
| 8/5/12 | 11:57:31 AM | 0.28 | 222 | 454 | 102 |
| 8/5/12 | 11:58:31 AM | 0.28 | 222 | 453 | 102 |
| 8/5/12 | 11:59:31 AM | 0.28 | 221 | 449 | 102 |
| 8/5/12 | 12:00:31 PM | 0.28 | 222 | 448 | 102 |
| 8/5/12 | 12:01:31 PM | 0.28 | 222 | 447 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 12:02:31 PM | 0.28 | 223 | 447 | 102 |
| 8/5/12 | 12:03:31 PM | 0.28 | 223 | 450 | 102 |
| 8/5/12 | 12:04:31 PM | 0.28 | 224 | 449 | 102 |
| 8/5/12 | 12:05:31 PM | 0.28 | 225 | 450 | 102 |
| 8/5/12 | 12:06:31 PM | 0.28 | 224 | 450 | 102 |
| 8/5/12 | 12:07:31 PM | 0.28 | 223 | 451 | 102 |
| 8/5/12 | 12:08:31 PM | 0.28 | 222 | 449 | 102 |
| 8/5/12 | 12:09:31 PM | 0.29 | 222 | 450 | 102 |
| 8/5/12 | 12:10:31 PM | 0.28 | 222 | 449 | 102 |
| 8/5/12 | 12:11:31 PM | 0.28 | 222 | 449 | 102 |
| 8/5/12 | 12:12:31 PM | 0.28 | 222 | 448 | 102 |
| 8/5/12 | 12:13:31 PM | 0.28 | 224 | 449 | 102 |
| 8/5/12 | 12:14:31 PM | 0.28 | 224 | 451 | 102 |
| 8/5/12 | 12:15:31 PM | 0.29 | 223 | 452 | 102 |
| 8/5/12 | 12:16:31 PM | 0.28 | 223 | 450 | 102 |
| 8/5/12 | 12:17:31 PM | 0.28 | 223 | 452 | 102 |
| 8/5/12 | 12:18:31 PM | 0.28 | 222 | 452 | 102 |
| 8/5/12 | 12:19:31 PM | 0.28 | 222 | 451 | 102 |
| 8/5/12 | 12:20:31 PM | 0.28 | 221 | 451 | 102 |
| 8/5/12 | 12:21:31 PM | 0.28 | 222 | 451 | 102 |
| 8/5/12 | 12:22:31 PM | 0.29 | 222 | 452 | 102 |
| 8/5/12 | 12:23:31 PM | 0.28 | 221 | 452 | 102 |
| 8/5/12 | 12:24:31 PM | 0.29 | 221 | 450 | 102 |
| 8/5/12 | 12:25:31 PM | 0.28 | 221 | 450 | 102 |
| 8/5/12 | 12:26:31 PM | 0.29 | 220 | 449 | 102 |
| 8/5/12 | 12:27:31 PM | 0.28 | 220 | 448 | 102 |
| 8/5/12 | 12:28:31 PM | 0.29 | 221 | 450 | 102 |
| 8/5/12 | 12:29:31 PM | 0.28 | 220 | 448 | 102 |
| 8/5/12 | 12:30:31 PM | 0.28 | 221 | 448 | 102 |
| 8/5/12 | 12:31:31 PM | 0.29 | 221 | 450 | 102 |
| 8/5/12 | 12:32:31 PM | 0.29 | 220 | 449 | 102 |
| 8/5/12 | 12:33:31 PM | 0.29 | 218 | 447 | 102 |
| 8/5/12 | 12:34:31 PM | 0.28 | 218 | 446 | 102 |
| 8/5/12 | 12:35:31 PM | 0.29 | 219 | 443 | 102 |
| 8/5/12 | 12:36:31 PM | 0.28 | 219 | 447 | 102 |
| 8/5/12 | 12:37:31 PM | 0.29 | 219 | 447 | 102 |
| 8/5/12 | 12:38:31 PM | 0.28 | 219 | 445 | 102 |
| 8/5/12 | 12:39:31 PM | 0.28 | 218 | 444 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 12:40:31 PM | 0.29 | 218 | 444 | 102 |
| 8/5/12 | 12:41:31 PM | 0.29 | 218 | 445 | 102 |
| 8/5/12 | 12:42:31 PM | 0.29 | 219 | 445 | 102 |
| 8/5/12 | 12:43:31 PM | 0.29 | 219 | 444 | 102 |
| 8/5/12 | 12:44:31 PM | 0.28 | 220 | 445 | 102 |
| 8/5/12 | 12:45:31 PM | 0.28 | 221 | 451 | 102 |
| 8/5/12 | 12:46:31 PM | 0.28 | 222 | 449 | 102 |
| 8/5/12 | 12:47:31 PM | 0.28 | 221 | 447 | 102 |
| 8/5/12 | 12:48:31 PM | 0.28 | 220 | 447 | 102 |
| 8/5/12 | 12:49:31 PM | 0.28 | 221 | 445 | 102 |
| 8/5/12 | 12:50:31 PM | 0.28 | 223 | 447 | 102 |
| 8/5/12 | 12:51:31 PM | 0.28 | 223 | 451 | 102 |
| 8/5/12 | 12:52:31 PM | 0.28 | 223 | 448 | 102 |
| 8/5/12 | 12:53:31 PM | 0.28 | 223 | 451 | 102 |
| 8/5/12 | 12:54:31 PM | 0.28 | 223 | 451 | 102 |
| 8/5/12 | 12:55:31 PM | 0.28 | 222 | 450 | 102 |
| 8/5/12 | 12:56:31 PM | 0.29 | 221 | 449 | 102 |
| 8/5/12 | 12:57:31 PM | 0.28 | 220 | 449 | 102 |
| 8/5/12 | 12:58:31 PM | 0.28 | 221 | 447 | 102 |
| 8/5/12 | 12:59:31 PM | 0.29 | 221 | 447 | 102 |
| 8/5/12 | 1:00:31 PM | 0.28 | 222 | 447 | 102 |
| 8/5/12 | 1:01:31 PM | 0.29 | 223 | 448 | 102 |
| 8/5/12 | 1:02:31 PM | 0.29 | 224 | 448 | 102 |
| 8/5/12 | 1:03:31 PM | 0.28 | 224 | 448 | 102 |
| 8/5/12 | 1:04:31 PM | 0.28 | 223 | 448 | 102 |
| 8/5/12 | 1:05:31 PM | 0.28 | 223 | 447 | 102 |
| 8/5/12 | 1:06:31 PM | 0.28 | 222 | 446 | 102 |
| 8/5/12 | 1:07:31 PM | 0.29 | 222 | 444 | 102 |
| 8/5/12 | 1:08:31 PM | 0.29 | 223 | 446 | 102 |
| 8/5/12 | 1:09:31 PM | 0.28 | 223 | 445 | 102 |
| 8/5/12 | 1:10:31 PM | 0.28 | 222 | 442 | 102 |
| 8/5/12 | 1:11:31 PM | 0.28 | 222 | 443 | 102 |
| 8/5/12 | 1:12:31 PM | 0.28 | 222 | 442 | 102 |
| 8/5/12 | 1:13:31 PM | 0.28 | 221 | 439 | 102 |
| 8/5/12 | 1:14:31 PM | 0.28 | 221 | 441 | 102 |
| 8/5/12 | 1:15:31 PM | 0.29 | 220 | 442 | 102 |
| 8/5/12 | 1:16:31 PM | 0.28 | 219 | 438 | 102 |
| 8/5/12 | 1:17:31 PM | 0.28 | 219 | 436 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 1:18:31 PM | 0.28 | 218 | 438 | 102 |
| 8/5/12 | 1:19:31 PM | 0.29 | 219 | 437 | 102 |
| 8/5/12 | 1:20:31 PM | 0.28 | 220 | 437 | 102 |
| 8/5/12 | 1:21:31 PM | 0.28 | 220 | 441 | 102 |
| 8/5/12 | 1:22:31 PM | 0.29 | 219 | 441 | 102 |
| 8/5/12 | 1:23:31 PM | 0.28 | 219 | 437 | 102 |
| 8/5/12 | 1:24:31 PM | 0.29 | 220 | 437 | 102 |
| 8/5/12 | 1:25:31 PM | 0.28 | 220 | 437 | 102 |
| 8/5/12 | 1:26:31 PM | 0.28 | 221 | 438 | 102 |
| 8/5/12 | 1:27:31 PM | 0.28 | 221 | 438 | 102 |
| 8/5/12 | 1:28:31 PM | 0.28 | 221 | 441 | 102 |
| 8/5/12 | 1:29:31 PM | 0.28 | 220 | 442 | 102 |
| 8/5/12 | 1:30:31 PM | 0.28 | 221 | 441 | 102 |
| 8/5/12 | 1:31:31 PM | 0.28 | 222 | 439 | 102 |
| 8/5/12 | 1:32:31 PM | 0.28 | 221 | 440 | 102 |
| 8/5/12 | 1:33:31 PM | 0.29 | 221 | 439 | 102 |
| 8/5/12 | 1:34:31 PM | 0.28 | 220 | 437 | 102 |
| 8/5/12 | 1:35:31 PM | 0.29 | 219 | 435 | 102 |
| 8/5/12 | 1:36:31 PM | 0.28 | 218 | 435 | 102 |
| 8/5/12 | 1:37:31 PM | 0.29 | 217 | 434 | 102 |
| 8/5/12 | 1:38:31 PM | 0.29 | 218 | 436 | 102 |
| 8/5/12 | 1:39:31 PM | 0.29 | 218 | 434 | 102 |
| 8/5/12 | 1:40:31 PM | 0.29 | 217 | 433 | 102 |
| 8/5/12 | 1:41:31 PM | 0.29 | 218 | 433 | 102 |
| 8/5/12 | 1:42:31 PM | 0.28 | 219 | 436 | 102 |
| 8/5/12 | 1:43:31 PM | 0.28 | 218 | 437 | 102 |
| 8/5/12 | 1:44:31 PM | 0.29 | 218 | 434 | 102 |
| 8/5/12 | 1:45:31 PM | 0.28 | 217 | 436 | 102 |
| 8/5/12 | 1:46:31 PM | 0.28 | 216 | 436 | 102 |
| 8/5/12 | 1:47:31 PM | 0.28 | 217 | 432 | 102 |
| 8/5/12 | 1:48:31 PM | 0.29 | 218 | 434 | 102 |
| 8/5/12 | 1:49:31 PM | 0.29 | 218 | 435 | 102 |
| 8/5/12 | 1:50:31 PM | 0.29 | 219 | 435 | 102 |
| 8/5/12 | 1:51:31 PM | 0.29 | 219 | 436 | 102 |
| 8/5/12 | 1:52:31 PM | 0.28 | 219 | 436 | 102 |
| 8/5/12 | 1:53:31 PM | 0.29 | 220 | 436 | 102 |
| 8/5/12 | 1:54:31 PM | 0.28 | 219 | 437 | 102 |
| 8/5/12 | 1:55:31 PM | 0.29 | 217 | 436 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 1:56:31 PM | 0.29 | 216 | 434 | 102 |
| 8/5/12 | 1:57:31 PM | 0.28 | 216 | 435 | 102 |
| 8/5/12 | 1:58:31 PM | 0.29 | 218 | 435 | 102 |
| 8/5/12 | 1:59:31 PM | 0.29 | 218 | 436 | 102 |
| 8/5/12 | 2:00:31 PM | 0.29 | 218 | 436 | 102 |
| 8/5/12 | 2:01:31 PM | 0.29 | 218 | 434 | 102 |
| 8/5/12 | 2:02:31 PM | 0.29 | 218 | 435 | 102 |
| 8/5/12 | 2:03:31 PM | 0.29 | 218 | 433 | 102 |
| 8/5/12 | 2:04:31 PM | 0.29 | 218 | 432 | 102 |
| 8/5/12 | 2:05:31 PM | 0.29 | 217 | 431 | 102 |
| 8/5/12 | 2:06:31 PM | 0.29 | 218 | 431 | 102 |
| 8/5/12 | 2:07:31 PM | 0.28 | 218 | 432 | 102 |
| 8/5/12 | 2:08:31 PM | 0.28 | 219 | 433 | 102 |
| 8/5/12 | 2:09:31 PM | 0.29 | 218 | 433 | 102 |
| 8/5/12 | 2:10:31 PM | 0.28 | 218 | 432 | 102 |
| 8/5/12 | 2:11:31 PM | 0.28 | 219 | 432 | 102 |
| 8/5/12 | 2:12:31 PM | 0.28 | 218 | 432 | 102 |
| 8/5/12 | 2:13:31 PM | 0.29 | 217 | 432 | 102 |
| 8/5/12 | 2:14:31 PM | 0.28 | 217 | 433 | 102 |
| 8/5/12 | 2:15:31 PM | 0.29 | 217 | 431 | 102 |
| 8/5/12 | 2:16:31 PM | 0.28 | 218 | 432 | 102 |
| 8/5/12 | 2:17:31 PM | 0.29 | 219 | 432 | 102 |
| 8/5/12 | 2:18:31 PM | 0.28 | 221 | 433 | 102 |
| 8/5/12 | 2:19:31 PM | 0.28 | 222 | 436 | 102 |
| 8/5/12 | 2:20:31 PM | 0.28 | 221 | 436 | 102 |
| 8/5/12 | 2:21:31 PM | 0.28 | 219 | 433 | 102 |
| 8/5/12 | 2:22:31 PM | 0.28 | 218 | 431 | 102 |
| 8/5/12 | 2:23:31 PM | 0.29 | 218 | 432 | 102 |
| 8/5/12 | 2:24:31 PM | 0.29 | 219 | 431 | 102 |
| 8/5/12 | 2:25:31 PM | 0.29 | 219 | 430 | 102 |
| 8/5/12 | 2:26:31 PM | 0.29 | 218 | 431 | 102 |
| 8/5/12 | 2:27:31 PM | 0.29 | 216 | 432 | 102 |
| 8/5/12 | 2:28:31 PM | 0.29 | 217 | 430 | 102 |
| 8/5/12 | 2:29:31 PM | 0.29 | 218 | 429 | 102 |
| 8/5/12 | 2:30:31 PM | 0.29 | 218 | 430 | 102 |
| 8/5/12 | 2:31:31 PM | 0.28 | 219 | 430 | 102 |
| 8/5/12 | 2:32:31 PM | 0.29 | 219 | 431 | 102 |
| 8/5/12 | 2:33:31 PM | 0.29 | 218 | 429 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 2:34:31 PM | 0.29 | 217 | 428 | 102 |
| 8/5/12 | 2:35:31 PM | 0.29 | 218 | 429 | 102 |
| 8/5/12 | 2:36:31 PM | 0.28 | 218 | 428 | 102 |
| 8/5/12 | 2:37:31 PM | 0.28 | 217 | 430 | 102 |
| 8/5/12 | 2:38:31 PM | 0.29 | 218 | 429 | 102 |
| 8/5/12 | 2:39:31 PM | 0.28 | 218 | 430 | 102 |
| 8/5/12 | 2:40:31 PM | 0.28 | 218 | 431 | 102 |
| 8/5/12 | 2:41:31 PM | 0.29 | 217 | 431 | 102 |
| 8/5/12 | 2:42:31 PM | 0.29 | 216 | 428 | 102 |
| 8/5/12 | 2:43:31 PM | 0.29 | 216 | 428 | 102 |
| 8/5/12 | 2:44:31 PM | 0.29 | 217 | 427 | 102 |
| 8/5/12 | 2:45:31 PM | 0.29 | 217 | 429 | 102 |
| 8/5/12 | 2:46:31 PM | 0.30 | 218 | 429 | 102 |
| 8/5/12 | 2:47:31 PM | 0.29 | 218 | 430 | 102 |
| 8/5/12 | 2:48:31 PM | 0.29 | 218 | 427 | 102 |
| 8/5/12 | 2:49:31 PM | 0.29 | 217 | 428 | 102 |
| 8/5/12 | 2:50:31 PM | 0.29 | 219 | 431 | 102 |
| 8/5/12 | 2:51:31 PM | 0.29 | 220 | 432 | 102 |
| 8/5/12 | 2:52:31 PM | 0.29 | 220 | 433 | 102 |
| 8/5/12 | 2:53:31 PM | 0.28 | 221 | 433 | 102 |
| 8/5/12 | 2:54:31 PM | 0.29 | 221 | 435 | 102 |
| 8/5/12 | 2:55:31 PM | 0.29 | 219 | 433 | 102 |
| 8/5/12 | 2:56:31 PM | 0.29 | 220 | 433 | 102 |
| 8/5/12 | 2:57:31 PM | 0.28 | 219 | 433 | 102 |
| 8/5/12 | 2:58:31 PM | 0.29 | 221 | 432 | 102 |
| 8/5/12 | 2:59:31 PM | 0.29 | 220 | 434 | 102 |
| 8/5/12 | 3:00:31 PM | 0.29 | 220 | 432 | 102 |
| 8/5/12 | 3:01:31 PM | 0.29 | 219 | 432 | 102 |
| 8/5/12 | 3:02:31 PM | 0.28 | 219 | 432 | 102 |
| 8/5/12 | 3:03:31 PM | 0.28 | 220 | 434 | 102 |
| 8/5/12 | 3:04:31 PM | 0.29 | 221 | 435 | 102 |
| 8/5/12 | 3:05:31 PM | 0.28 | 221 | 436 | 102 |
| 8/5/12 | 3:06:31 PM | 0.29 | 220 | 435 | 102 |
| 8/5/12 | 3:07:31 PM | 0.28 | 220 | 435 | 102 |
| 8/5/12 | 3:08:31 PM | 0.29 | 220 | 433 | 102 |
| 8/5/12 | 3:09:31 PM | 0.29 | 221 | 435 | 102 |
| 8/5/12 | 3:10:31 PM | 0.28 | 221 | 435 | 102 |
| 8/5/12 | 3:11:31 PM | 0.28 | 221 | 435 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 3:12:31 PM | 0.28 | 221 | 436 | 102 |
| 8/5/12 | 3:13:31 PM | 0.28 | 220 | 436 | 102 |
| 8/5/12 | 3:14:31 PM | 0.29 | 218 | 434 | 102 |
| 8/5/12 | 3:15:31 PM | 0.28 | 219 | 436 | 102 |
| 8/5/12 | 3:16:31 PM | 0.29 | 219 | 437 | 102 |
| 8/5/12 | 3:17:31 PM | 0.29 | 219 | 437 | 102 |
| 8/5/12 | 3:18:31 PM | 0.28 | 218 | 437 | 102 |
| 8/5/12 | 3:19:31 PM | 0.29 | 217 | 433 | 102 |
| 8/5/12 | 3:20:31 PM | 0.29 | 217 | 431 | 102 |
| 8/5/12 | 3:21:31 PM | 0.28 | 218 | 431 | 102 |
| 8/5/12 | 3:22:31 PM | 0.29 | 218 | 433 | 102 |
| 8/5/12 | 3:23:31 PM | 0.29 | 216 | 434 | 102 |
| 8/5/12 | 3:24:31 PM | 0.29 | 217 | 432 | 102 |
| 8/5/12 | 3:25:31 PM | 0.29 | 219 | 432 | 102 |
| 8/5/12 | 3:26:31 PM | 0.28 | 219 | 435 | 102 |
| 8/5/12 | 3:27:31 PM | 0.28 | 218 | 435 | 102 |
| 8/5/12 | 3:28:31 PM | 0.28 | 218 | 433 | 102 |
| 8/5/12 | 3:29:31 PM | 0.28 | 219 | 434 | 102 |
| 8/5/12 | 3:30:31 PM | 0.29 | 219 | 436 | 102 |
| 8/5/12 | 3:31:31 PM | 0.29 | 219 | 438 | 102 |
| 8/5/12 | 3:32:31 PM | 0.28 | 219 | 437 | 102 |
| 8/5/12 | 3:33:31 PM | 0.29 | 219 | 437 | 102 |
| 8/5/12 | 3:34:31 PM | 0.28 | 219 | 438 | 102 |
| 8/5/12 | 3:35:31 PM | 0.29 | 220 | 439 | 102 |
| 8/5/12 | 3:36:31 PM | 0.29 | 220 | 438 | 102 |
| 8/5/12 | 3:37:31 PM | 0.29 | 219 | 437 | 102 |
| 8/5/12 | 3:38:31 PM | 0.29 | 219 | 437 | 102 |
| 8/5/12 | 3:39:31 PM | 0.29 | 219 | 438 | 102 |
| 8/5/12 | 3:40:31 PM | 0.29 | 218 | 438 | 102 |
| 8/5/12 | 3:41:31 PM | 0.29 | 218 | 437 | 102 |
| 8/5/12 | 3:42:31 PM | 0.29 | 217 | 437 | 102 |
| 8/5/12 | 3:43:31 PM | 0.28 | 217 | 437 | 102 |
| 8/5/12 | 3:44:31 PM | 0.28 | 220 | 437 | 102 |
| 8/5/12 | 3:45:31 PM | 0.28 | 221 | 440 | 102 |
| 8/5/12 | 3:46:31 PM | 0.29 | 220 | 438 | 102 |
| 8/5/12 | 3:47:31 PM | 0.29 | 220 | 439 | 102 |
| 8/5/12 | 3:48:31 PM | 0.29 | 219 | 437 | 102 |
| 8/5/12 | 3:49:31 PM | 0.29 | 218 | 438 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 3:50:31 PM | 0.29 | 218 | 440 | 102 |
| 8/5/12 | 3:51:31 PM | 0.28 | 219 | 442 | 102 |
| 8/5/12 | 3:52:31 PM | 0.28 | 220 | 442 | 102 |
| 8/5/12 | 3:53:31 PM | 0.28 | 220 | 440 | 102 |
| 8/5/12 | 3:54:31 PM | 0.28 | 220 | 440 | 102 |
| 8/5/12 | 3:55:31 PM | 0.29 | 219 | 439 | 102 |
| 8/5/12 | 3:56:31 PM | 0.29 | 217 | 437 | 102 |
| 8/5/12 | 3:57:31 PM | 0.29 | 216 | 435 | 102 |
| 8/5/12 | 3:58:31 PM | 0.29 | 216 | 432 | 102 |
| 8/5/12 | 3:59:31 PM | 0.29 | 218 | 433 | 102 |
| 8/5/12 | 4:00:31 PM | 0.28 | 218 | 435 | 102 |
| 8/5/12 | 4:01:31 PM | 0.28 | 218 | 435 | 102 |
| 8/5/12 | 4:02:31 PM | 0.28 | 218 | 433 | 102 |
| 8/5/12 | 4:03:31 PM | 0.29 | 218 | 434 | 102 |
| 8/5/12 | 4:04:31 PM | 0.29 | 219 | 436 | 102 |
| 8/5/12 | 4:05:31 PM | 0.28 | 219 | 437 | 102 |
| 8/5/12 | 4:06:31 PM | 0.29 | 219 | 436 | 102 |
| 8/5/12 | 4:07:31 PM | 0.29 | 219 | 434 | 102 |
| 8/5/12 | 4:08:31 PM | 0.29 | 221 | 437 | 102 |
| 8/5/12 | 4:09:31 PM | 0.29 | 220 | 436 | 102 |
| 8/5/12 | 4:10:31 PM | 0.29 | 219 | 437 | 102 |
| 8/5/12 | 4:11:31 PM | 0.29 | 220 | 436 | 102 |
| 8/5/12 | 4:12:31 PM | 0.29 | 220 | 437 | 102 |
| 8/5/12 | 4:13:31 PM | 0.29 | 219 | 435 | 102 |
| 8/5/12 | 4:14:31 PM | 0.29 | 219 | 434 | 102 |
| 8/5/12 | 4:15:31 PM | 0.29 | 218 | 434 | 102 |
| 8/5/12 | 4:16:31 PM | 0.29 | 218 | 431 | 102 |
| 8/5/12 | 4:17:31 PM | 0.29 | 218 | 432 | 102 |
| 8/5/12 | 4:18:31 PM | 0.29 | 217 | 432 | 102 |
| 8/5/12 | 4:19:31 PM | 0.29 | 216 | 432 | 102 |
| 8/5/12 | 4:20:31 PM | 0.29 | 216 | 430 | 102 |
| 8/5/12 | 4:21:31 PM | 0.29 | 216 | 431 | 102 |
| 8/5/12 | 4:22:31 PM | 0.29 | 217 | 431 | 102 |
| 8/5/12 | 4:23:31 PM | 0.28 | 218 | 431 | 102 |
| 8/5/12 | 4:24:31 PM | 0.29 | 219 | 434 | 102 |
| 8/5/12 | 4:25:31 PM | 0.29 | 219 | 435 | 102 |
| 8/5/12 | 4:26:31 PM | 0.29 | 218 | 433 | 102 |
| 8/5/12 | 4:27:31 PM | 0.29 | 218 | 433 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 4:28:31 PM | 0.29 | 217 | 434 | 102 |
| 8/5/12 | 4:29:31 PM | 0.29 | 216 | 433 | 102 |
| 8/5/12 | 4:30:31 PM | 0.29 | 217 | 430 | 102 |
| 8/5/12 | 4:31:31 PM | 0.29 | 217 | 431 | 102 |
| 8/5/12 | 4:32:31 PM | 0.29 | 217 | 431 | 102 |
| 8/5/12 | 4:33:31 PM | 0.30 | 217 | 430 | 102 |
| 8/5/12 | 4:34:31 PM | 0.29 | 216 | 430 | 102 |
| 8/5/12 | 4:35:31 PM | 0.29 | 216 | 430 | 102 |
| 8/5/12 | 4:36:31 PM | 0.29 | 215 | 427 | 102 |
| 8/5/12 | 4:37:31 PM | 0.29 | 214 | 429 | 102 |
| 8/5/12 | 4:38:31 PM | 0.29 | 215 | 428 | 102 |
| 8/5/12 | 4:39:31 PM | 0.29 | 216 | 429 | 102 |
| 8/5/12 | 4:40:31 PM | 0.29 | 217 | 431 | 102 |
| 8/5/12 | 4:41:31 PM | 0.29 | 217 | 431 | 102 |
| 8/5/12 | 4:42:31 PM | 0.29 | 217 | 432 | 102 |
| 8/5/12 | 4:43:31 PM | 0.29 | 215 | 431 | 102 |
| 8/5/12 | 4:44:31 PM | 0.28 | 215 | 429 | 102 |
| 8/5/12 | 4:45:31 PM | 0.29 | 214 | 430 | 102 |
| 8/5/12 | 4:46:31 PM | 0.29 | 215 | 429 | 102 |
| 8/5/12 | 4:47:31 PM | 0.29 | 215 | 431 | 102 |
| 8/5/12 | 4:48:31 PM | 0.29 | 216 | 429 | 102 |
| 8/5/12 | 4:49:31 PM | 0.29 | 216 | 433 | 102 |
| 8/5/12 | 4:50:31 PM | 0.29 | 216 | 432 | 102 |
| 8/5/12 | 4:51:31 PM | 0.29 | 216 | 431 | 102 |
| 8/5/12 | 4:52:31 PM | 0.29 | 216 | 431 | 102 |
| 8/5/12 | 4:53:31 PM | 0.29 | 215 | 432 | 102 |
| 8/5/12 | 4:54:31 PM | 0.30 | 216 | 430 | 102 |
| 8/5/12 | 4:55:31 PM | 0.29 | 216 | 431 | 102 |
| 8/5/12 | 4:56:31 PM | 0.29 | 216 | 431 | 102 |
| 8/5/12 | 4:57:31 PM | 0.29 | 216 | 431 | 102 |
| 8/5/12 | 4:58:31 PM | 0.29 | 216 | 431 | 102 |
| 8/5/12 | 4:59:31 PM | 0.29 | 215 | 432 | 102 |
| 8/5/12 | 5:00:31 PM | 0.29 | 215 | 430 | 102 |
| 8/5/12 | 5:01:31 PM | 0.29 | 215 | 431 | 102 |
| 8/5/12 | 5:02:31 PM | 0.29 | 216 | 431 | 102 |
| 8/5/12 | 5:03:31 PM | 0.29 | 216 | 431 | 102 |
| 8/5/12 | 5:04:31 PM | 0.30 | 218 | 432 | 102 |
| 8/5/12 | 5:05:31 PM | 0.29 | 216 | 433 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 5:06:31 PM | 0.29 | 215 | 431 | 102 |
| 8/5/12 | 5:07:31 PM | 0.28 | 213 | 428 | 102 |
| 8/5/12 | 5:08:31 PM | 0.29 | 216 | 428 | 102 |
| 8/5/12 | 5:09:31 PM | 0.29 | 216 | 429 | 102 |
| 8/5/12 | 5:10:31 PM | 0.29 | 216 | 430 | 102 |
| 8/5/12 | 5:11:31 PM | 0.29 | 215 | 430 | 102 |
| 8/5/12 | 5:12:31 PM | 0.29 | 217 | 431 | 102 |
| 8/5/12 | 5:13:31 PM | 0.29 | 216 | 431 | 102 |
| 8/5/12 | 5:14:31 PM | 0.29 | 216 | 431 | 102 |
| 8/5/12 | 5:15:31 PM | 0.29 | 216 | 432 | 102 |
| 8/5/12 | 5:16:31 PM | 0.29 | 216 | 432 | 102 |
| 8/5/12 | 5:17:31 PM | 0.29 | 215 | 430 | 102 |
| 8/5/12 | 5:18:31 PM | 0.29 | 215 | 428 | 102 |
| 8/5/12 | 5:19:31 PM | 0.29 | 215 | 430 | 102 |
| 8/5/12 | 5:20:31 PM | 0.29 | 215 | 430 | 102 |
| 8/5/12 | 5:21:31 PM | 0.29 | 217 | 431 | 102 |
| 8/5/12 | 5:22:31 PM | 0.29 | 217 | 431 | 102 |
| 8/5/12 | 5:23:31 PM | 0.29 | 215 | 429 | 102 |
| 8/5/12 | 5:24:31 PM | 0.29 | 215 | 430 | 102 |
| 8/5/12 | 5:25:31 PM | 0.29 | 214 | 429 | 102 |
| 8/5/12 | 5:26:31 PM | 0.30 | 215 | 430 | 102 |
| 8/5/12 | 5:27:31 PM | 0.29 | 215 | 433 | 102 |
| 8/5/12 | 5:28:31 PM | 0.30 | 214 | 433 | 102 |
| 8/5/12 | 5:29:31 PM | 0.29 | 215 | 429 | 102 |
| 8/5/12 | 5:30:31 PM | 0.29 | 215 | 430 | 102 |
| 8/5/12 | 5:31:31 PM | 0.29 | 215 | 431 | 102 |
| 8/5/12 | 5:32:31 PM | 0.29 | 214 | 429 | 102 |
| 8/5/12 | 5:33:31 PM | 0.29 | 215 | 429 | 102 |
| 8/5/12 | 5:34:31 PM | 0.29 | 214 | 430 | 102 |
| 8/5/12 | 5:35:31 PM | 0.29 | 214 | 430 | 102 |
| 8/5/12 | 5:36:31 PM | 0.29 | 213 | 429 | 102 |
| 8/5/12 | 5:37:31 PM | 0.30 | 212 | 430 | 102 |
| 8/5/12 | 5:38:31 PM | 0.29 | 211 | 426 | 102 |
| 8/5/12 | 5:39:31 PM | 0.29 | 212 | 425 | 102 |
| 8/5/12 | 5:40:31 PM | 0.29 | 213 | 426 | 102 |
| 8/5/12 | 5:41:31 PM | 0.30 | 213 | 427 | 102 |
| 8/5/12 | 5:42:31 PM | 0.29 | 211 | 426 | 102 |
| 8/5/12 | 5:43:31 PM | 0.28 | 211 | 426 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 5:44:31 PM | 0.29 | 211 | 424 | 102 |
| 8/5/12 | 5:45:31 PM | 0.29 | 212 | 425 | 102 |
| 8/5/12 | 5:46:31 PM | 0.29 | 212 | 426 | 102 |
| 8/5/12 | 5:47:31 PM | 0.29 | 211 | 425 | 102 |
| 8/5/12 | 5:48:31 PM | 0.29 | 210 | 424 | 102 |
| 8/5/12 | 5:49:31 PM | 0.29 | 210 | 425 | 102 |
| 8/5/12 | 5:50:31 PM | 0.29 | 210 | 422 | 102 |
| 8/5/12 | 5:51:31 PM | 0.29 | 210 | 420 | 102 |
| 8/5/12 | 5:52:31 PM | 0.30 | 211 | 423 | 102 |
| 8/5/12 | 5:53:31 PM | 0.29 | 210 | 422 | 102 |
| 8/5/12 | 5:54:31 PM | 0.30 | 211 | 421 | 102 |
| 8/5/12 | 5:55:31 PM | 0.29 | 211 | 421 | 102 |
| 8/5/12 | 5:56:31 PM | 0.29 | 212 | 422 | 102 |
| 8/5/12 | 5:57:31 PM | 0.29 | 212 | 422 | 102 |
| 8/5/12 | 5:58:31 PM | 0.29 | 212 | 422 | 102 |
| 8/5/12 | 5:59:31 PM | 0.29 | 212 | 421 | 102 |
| 8/5/12 | 6:00:31 PM | 0.29 | 212 | 424 | 102 |
| 8/5/12 | 6:01:31 PM | 0.29 | 213 | 423 | 102 |
| 8/5/12 | 6:02:31 PM | 0.29 | 212 | 423 | 102 |
| 8/5/12 | 6:03:31 PM | 0.29 | 212 | 423 | 102 |
| 8/5/12 | 6:04:31 PM | 0.29 | 213 | 424 | 102 |
| 8/5/12 | 6:05:31 PM | 0.29 | 213 | 425 | 102 |
| 8/5/12 | 6:06:31 PM | 0.29 | 212 | 425 | 102 |
| 8/5/12 | 6:07:31 PM | 0.30 | 212 | 425 | 102 |
| 8/5/12 | 6:08:31 PM | 0.29 | 211 | 426 | 102 |
| 8/5/12 | 6:09:31 PM | 0.29 | 209 | 424 | 102 |
| 8/5/12 | 6:10:31 PM | 0.30 | 210 | 422 | 102 |
| 8/5/12 | 6:11:31 PM | 0.29 | 211 | 425 | 102 |
| 8/5/12 | 6:12:31 PM | 0.28 | 212 | 424 | 102 |
| 8/5/12 | 6:13:31 PM | 0.29 | 212 | 424 | 102 |
| 8/5/12 | 6:14:31 PM | 0.29 | 212 | 424 | 102 |
| 8/5/12 | 6:15:31 PM | 0.29 | 213 | 425 | 102 |
| 8/5/12 | 6:16:31 PM | 0.29 | 213 | 424 | 102 |
| 8/5/12 | 6:17:31 PM | 0.29 | 212 | 423 | 102 |
| 8/5/12 | 6:18:31 PM | 0.29 | 212 | 423 | 102 |
| 8/5/12 | 6:19:31 PM | 0.29 | 213 | 424 | 102 |
| 8/5/12 | 6:20:31 PM | 0.29 | 213 | 425 | 102 |
| 8/5/12 | 6:21:31 PM | 0.29 | 213 | 425 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 6:22:31 PM | 0.28 | 212 | 423 | 102 |
| 8/5/12 | 6:23:31 PM | 0.29 | 211 | 422 | 102 |
| 8/5/12 | 6:24:31 PM | 0.29 | 211 | 421 | 102 |
| 8/5/12 | 6:25:31 PM | 0.28 | 211 | 420 | 102 |
| 8/5/12 | 6:26:31 PM | 0.29 | 213 | 420 | 102 |
| 8/5/12 | 6:27:31 PM | 0.29 | 213 | 423 | 102 |
| 8/5/12 | 6:28:31 PM | 0.29 | 211 | 422 | 102 |
| 8/5/12 | 6:29:31 PM | 0.30 | 211 | 421 | 102 |
| 8/5/12 | 6:30:31 PM | 0.30 | 206 | 422 | 102 |
| 8/5/12 | 6:31:31 PM | 0.29 | 200 | 414 | 102 |
| 8/5/12 | 6:32:31 PM | 0.30 | 197 | 409 | 102 |
| 8/5/12 | 6:33:31 PM | 0.30 | 195 | 406 | 102 |
| 8/5/12 | 6:34:31 PM | 0.30 | 193 | 403 | 102 |
| 8/5/12 | 6:35:31 PM | 0.31 | 193 | 403 | 102 |
| 8/5/12 | 6:36:31 PM | 0.30 | 195 | 405 | 102 |
| 8/5/12 | 6:37:31 PM | 0.30 | 199 | 406 | 102 |
| 8/5/12 | 6:38:31 PM | 0.29 | 201 | 410 | 102 |
| 8/5/12 | 6:39:31 PM | 0.29 | 202 | 412 | 102 |
| 8/5/12 | 6:40:31 PM | 0.29 | 200 | 409 | 102 |
| 8/5/12 | 6:41:31 PM | 0.29 | 200 | 407 | 102 |
| 8/5/12 | 6:42:31 PM | 0.29 | 202 | 408 | 102 |
| 8/5/12 | 6:43:31 PM | 0.29 | 203 | 408 | 102 |
| 8/5/12 | 6:44:31 PM | 0.29 | 203 | 409 | 102 |
| 8/5/12 | 6:45:31 PM | 0.29 | 204 | 408 | 102 |
| 8/5/12 | 6:46:31 PM | 0.29 | 206 | 409 | 102 |
| 8/5/12 | 6:47:31 PM | 0.29 | 207 | 411 | 102 |
| 8/5/12 | 6:48:31 PM | 0.29 | 209 | 412 | 102 |
| 8/5/12 | 6:49:31 PM | 0.29 | 209 | 412 | 102 |
| 8/5/12 | 6:50:31 PM | 0.28 | 209 | 413 | 102 |
| 8/5/12 | 6:51:31 PM | 0.29 | 208 | 412 | 102 |
| 8/5/12 | 6:52:31 PM | 0.29 | 207 | 408 | 102 |
| 8/5/12 | 6:53:31 PM | 0.29 | 205 | 408 | 102 |
| 8/5/12 | 6:54:31 PM | 0.29 | 204 | 407 | 102 |
| 8/5/12 | 6:55:31 PM | 0.29 | 204 | 407 | 102 |
| 8/5/12 | 6:56:31 PM | 0.29 | 205 | 406 | 102 |
| 8/5/12 | 6:57:31 PM | 0.29 | 205 | 407 | 102 |
| 8/5/12 | 6:58:31 PM | 0.29 | 205 | 406 | 102 |
| 8/5/12 | 6:59:31 PM | 0.29 | 205 | 406 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 7:00:31 PM | 0.29 | 207 | 406 | 102 |
| 8/5/12 | 7:01:31 PM | 0.29 | 207 | 407 | 102 |
| 8/5/12 | 7:02:31 PM | 0.29 | 207 | 408 | 102 |
| 8/5/12 | 7:03:31 PM | 0.29 | 206 | 407 | 102 |
| 8/5/12 | 7:04:31 PM | 0.29 | 207 | 408 | 102 |
| 8/5/12 | 7:05:31 PM | 0.29 | 207 | 407 | 102 |
| 8/5/12 | 7:06:31 PM | 0.29 | 208 | 407 | 102 |
| 8/5/12 | 7:07:31 PM | 0.28 | 208 | 408 | 102 |
| 8/5/12 | 7:08:31 PM | 0.29 | 209 | 409 | 102 |
| 8/5/12 | 7:09:31 PM | 0.28 | 210 | 410 | 102 |
| 8/5/12 | 7:10:31 PM | 0.29 | 209 | 412 | 102 |
| 8/5/12 | 7:11:31 PM | 0.28 | 210 | 411 | 102 |
| 8/5/12 | 7:12:31 PM | 0.28 | 210 | 412 | 102 |
| 8/5/12 | 7:13:31 PM | 0.28 | 210 | 410 | 102 |
| 8/5/12 | 7:14:31 PM | 0.29 | 210 | 410 | 102 |
| 8/5/12 | 7:15:31 PM | 0.29 | 210 | 411 | 102 |
| 8/5/12 | 7:16:31 PM | 0.29 | 209 | 410 | 102 |
| 8/5/12 | 7:17:31 PM | 0.29 | 209 | 412 | 102 |
| 8/5/12 | 7:18:31 PM | 0.28 | 210 | 412 | 102 |
| 8/5/12 | 7:19:31 PM | 0.28 | 211 | 409 | 102 |
| 8/5/12 | 7:20:31 PM | 0.29 | 212 | 409 | 102 |
| 8/5/12 | 7:21:31 PM | 0.28 | 213 | 411 | 102 |
| 8/5/12 | 7:22:31 PM | 0.28 | 213 | 412 | 102 |
| 8/5/12 | 7:23:31 PM | 0.28 | 213 | 412 | 102 |
| 8/5/12 | 7:24:31 PM | 0.28 | 212 | 414 | 102 |
| 8/5/12 | 7:25:31 PM | 0.28 | 212 | 413 | 102 |
| 8/5/12 | 7:26:31 PM | 0.28 | 212 | 412 | 102 |
| 8/5/12 | 7:27:31 PM | 0.28 | 212 | 412 | 102 |
| 8/5/12 | 7:28:31 PM | 0.28 | 211 | 412 | 102 |
| 8/5/12 | 7:29:31 PM | 0.28 | 211 | 412 | 102 |
| 8/5/12 | 7:30:31 PM | 0.28 | 211 | 412 | 102 |
| 8/5/12 | 7:31:31 PM | 0.29 | 212 | 412 | 102 |
| 8/5/12 | 7:32:31 PM | 0.28 | 212 | 412 | 102 |
| 8/5/12 | 7:33:31 PM | 0.28 | 213 | 412 | 102 |
| 8/5/12 | 7:34:31 PM | 0.28 | 212 | 412 | 102 |
| 8/5/12 | 7:35:31 PM | 0.28 | 212 | 412 | 102 |
| 8/5/12 | 7:36:31 PM | 0.28 | 213 | 411 | 102 |
| 8/5/12 | 7:37:31 PM | 0.28 | 212 | 411 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 7:38:31 PM | 0.28 | 213 | 411 | 102 |
| 8/5/12 | 7:39:31 PM | 0.28 | 213 | 413 | 102 |
| 8/5/12 | 7:40:31 PM | 0.28 | 214 | 412 | 102 |
| 8/5/12 | 7:41:31 PM | 0.28 | 214 | 413 | 102 |
| 8/5/12 | 7:42:31 PM | 0.28 | 213 | 413 | 102 |
| 8/5/12 | 7:43:31 PM | 0.28 | 213 | 413 | 102 |
| 8/5/12 | 7:44:31 PM | 0.28 | 213 | 412 | 102 |
| 8/5/12 | 7:45:31 PM | 0.28 | 213 | 413 | 102 |
| 8/5/12 | 7:46:31 PM | 0.29 | 214 | 413 | 102 |
| 8/5/12 | 7:47:31 PM | 0.28 | 214 | 412 | 102 |
| 8/5/12 | 7:48:31 PM | 0.28 | 214 | 415 | 102 |
| 8/5/12 | 7:49:31 PM | 0.28 | 215 | 415 | 102 |
| 8/5/12 | 7:50:31 PM | 0.28 | 215 | 415 | 102 |
| 8/5/12 | 7:51:31 PM | 0.28 | 215 | 414 | 102 |
| 8/5/12 | 7:52:31 PM | 0.28 | 215 | 414 | 102 |
| 8/5/12 | 7:53:31 PM | 0.28 | 215 | 415 | 102 |
| 8/5/12 | 7:54:31 PM | 0.28 | 215 | 413 | 102 |
| 8/5/12 | 7:55:31 PM | 0.28 | 215 | 412 | 102 |
| 8/5/12 | 7:56:31 PM | 0.28 | 215 | 414 | 102 |
| 8/5/12 | 7:57:31 PM | 0.28 | 216 | 415 | 102 |
| 8/5/12 | 7:58:31 PM | 0.28 | 217 | 416 | 102 |
| 8/5/12 | 7:59:31 PM | 0.28 | 218 | 416 | 102 |
| 8/5/12 | 8:00:31 PM | 0.28 | 218 | 416 | 102 |
| 8/5/12 | 8:01:31 PM | 0.28 | 217 | 417 | 102 |
| 8/5/12 | 8:02:31 PM | 0.28 | 217 | 417 | 102 |
| 8/5/12 | 8:03:31 PM | 0.28 | 216 | 416 | 102 |
| 8/5/12 | 8:04:31 PM | 0.28 | 216 | 416 | 102 |
| 8/5/12 | 8:05:31 PM | 0.28 | 215 | 417 | 102 |
| 8/5/12 | 8:06:31 PM | 0.27 | 215 | 416 | 102 |
| 8/5/12 | 8:07:31 PM | 0.28 | 215 | 416 | 102 |
| 8/5/12 | 8:08:31 PM | 0.28 | 216 | 415 | 102 |
| 8/5/12 | 8:09:31 PM | 0.28 | 215 | 416 | 102 |
| 8/5/12 | 8:10:31 PM | 0.28 | 215 | 416 | 102 |
| 8/5/12 | 8:11:31 PM | 0.28 | 216 | 416 | 102 |
| 8/5/12 | 8:12:31 PM | 0.28 | 215 | 417 | 102 |
| 8/5/12 | 8:13:31 PM | 0.28 | 215 | 416 | 102 |
| 8/5/12 | 8:14:31 PM | 0.28 | 215 | 414 | 102 |
| 8/5/12 | 8:15:31 PM | 0.28 | 215 | 414 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 8:16:31 PM | 0.28 | 214 | 415 | 102 |
| 8/5/12 | 8:17:31 PM | 0.28 | 214 | 412 | 102 |
| 8/5/12 | 8:18:31 PM | 0.28 | 215 | 413 | 102 |
| 8/5/12 | 8:19:31 PM | 0.28 | 215 | 412 | 102 |
| 8/5/12 | 8:20:31 PM | 0.28 | 214 | 414 | 102 |
| 8/5/12 | 8:21:31 PM | 0.28 | 214 | 413 | 102 |
| 8/5/12 | 8:22:31 PM | 0.28 | 213 | 411 | 102 |
| 8/5/12 | 8:23:31 PM | 0.28 | 212 | 411 | 102 |
| 8/5/12 | 8:24:31 PM | 0.28 | 212 | 411 | 102 |
| 8/5/12 | 8:25:31 PM | 0.28 | 212 | 408 | 102 |
| 8/5/12 | 8:26:31 PM | 0.28 | 214 | 410 | 102 |
| 8/5/12 | 8:27:31 PM | 0.28 | 214 | 412 | 102 |
| 8/5/12 | 8:28:31 PM | 0.28 | 214 | 412 | 102 |
| 8/5/12 | 8:29:31 PM | 0.28 | 214 | 412 | 102 |
| 8/5/12 | 8:30:31 PM | 0.28 | 214 | 411 | 102 |
| 8/5/12 | 8:31:31 PM | 0.28 | 214 | 412 | 102 |
| 8/5/12 | 8:32:31 PM | 0.28 | 214 | 412 | 102 |
| 8/5/12 | 8:33:31 PM | 0.28 | 215 | 412 | 102 |
| 8/5/12 | 8:34:31 PM | 0.28 | 215 | 412 | 102 |
| 8/5/12 | 8:35:31 PM | 0.28 | 215 | 413 | 102 |
| 8/5/12 | 8:36:31 PM | 0.28 | 215 | 414 | 102 |
| 8/5/12 | 8:37:31 PM | 0.28 | 215 | 415 | 102 |
| 8/5/12 | 8:38:31 PM | 0.28 | 215 | 414 | 102 |
| 8/5/12 | 8:39:31 PM | 0.28 | 215 | 412 | 102 |
| 8/5/12 | 8:40:31 PM | 0.28 | 216 | 414 | 102 |
| 8/5/12 | 8:41:31 PM | 0.28 | 216 | 414 | 102 |
| 8/5/12 | 8:42:31 PM | 0.28 | 216 | 416 | 102 |
| 8/5/12 | 8:43:31 PM | 0.28 | 215 | 416 | 102 |
| 8/5/12 | 8:44:31 PM | 0.28 | 213 | 413 | 102 |
| 8/5/12 | 8:45:31 PM | 0.28 | 213 | 413 | 102 |
| 8/5/12 | 8:46:31 PM | 0.28 | 213 | 412 | 102 |
| 8/5/12 | 8:47:31 PM | 0.28 | 213 | 412 | 102 |
| 8/5/12 | 8:48:31 PM | 0.28 | 213 | 412 | 102 |
| 8/5/12 | 8:49:31 PM | 0.28 | 214 | 413 | 102 |
| 8/5/12 | 8:50:31 PM | 0.29 | 214 | 411 | 102 |
| 8/5/12 | 8:51:31 PM | 0.28 | 215 | 412 | 102 |
| 8/5/12 | 8:52:31 PM | 0.28 | 215 | 412 | 102 |
| 8/5/12 | 8:53:31 PM | 0.28 | 215 | 412 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 8:54:31 PM | 0.28 | 215 | 414 | 102 |
| 8/5/12 | 8:55:31 PM | 0.28 | 215 | 413 | 102 |
| 8/5/12 | 8:56:31 PM | 0.28 | 215 | 414 | 102 |
| 8/5/12 | 8:57:31 PM | 0.28 | 215 | 413 | 102 |
| 8/5/12 | 8:58:31 PM | 0.28 | 214 | 414 | 102 |
| 8/5/12 | 8:59:31 PM | 0.28 | 215 | 413 | 102 |
| 8/5/12 | 9:00:31 PM | 0.28 | 215 | 414 | 102 |
| 8/5/12 | 9:01:31 PM | 0.28 | 215 | 415 | 102 |
| 8/5/12 | 9:02:31 PM | 0.28 | 215 | 414 | 102 |
| 8/5/12 | 9:03:31 PM | 0.28 | 217 | 416 | 102 |
| 8/5/12 | 9:04:31 PM | 0.28 | 216 | 417 | 102 |
| 8/5/12 | 9:05:31 PM | 0.28 | 217 | 416 | 102 |
| 8/5/12 | 9:06:31 PM | 0.28 | 218 | 416 | 102 |
| 8/5/12 | 9:07:31 PM | 0.28 | 217 | 417 | 102 |
| 8/5/12 | 9:08:31 PM | 0.28 | 216 | 417 | 102 |
| 8/5/12 | 9:09:31 PM | 0.28 | 216 | 417 | 102 |
| 8/5/12 | 9:10:31 PM | 0.28 | 216 | 417 | 102 |
| 8/5/12 | 9:11:31 PM | 0.28 | 216 | 416 | 102 |
| 8/5/12 | 9:12:31 PM | 0.28 | 217 | 417 | 102 |
| 8/5/12 | 9:13:31 PM | 0.28 | 217 | 416 | 102 |
| 8/5/12 | 9:14:31 PM | 0.28 | 218 | 417 | 102 |
| 8/5/12 | 9:15:31 PM | 0.28 | 217 | 417 | 102 |
| 8/5/12 | 9:16:31 PM | 0.28 | 218 | 416 | 102 |
| 8/5/12 | 9:17:31 PM | 0.28 | 218 | 417 | 102 |
| 8/5/12 | 9:18:31 PM | 0.28 | 218 | 417 | 102 |
| 8/5/12 | 9:19:31 PM | 0.28 | 218 | 417 | 102 |
| 8/5/12 | 9:20:31 PM | 0.28 | 218 | 417 | 102 |
| 8/5/12 | 9:21:31 PM | 0.28 | 218 | 417 | 102 |
| 8/5/12 | 9:22:31 PM | 0.28 | 219 | 417 | 102 |
| 8/5/12 | 9:23:31 PM | 0.28 | 218 | 419 | 102 |
| 8/5/12 | 9:24:31 PM | 0.28 | 216 | 418 | 102 |
| 8/5/12 | 9:25:31 PM | 0.28 | 216 | 417 | 102 |
| 8/5/12 | 9:26:31 PM | 0.28 | 216 | 418 | 102 |
| 8/5/12 | 9:27:31 PM | 0.28 | 216 | 417 | 102 |
| 8/5/12 | 9:28:31 PM | 0.28 | 216 | 417 | 102 |
| 8/5/12 | 9:29:31 PM | 0.28 | 216 | 417 | 102 |
| 8/5/12 | 9:30:31 PM | 0.28 | 216 | 417 | 102 |
| 8/5/12 | 9:31:31 PM | 0.28 | 217 | 416 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 9:32:31 PM | 0.28 | 216 | 417 | 102 |
| 8/5/12 | 9:33:31 PM | 0.28 | 215 | 413 | 102 |
| 8/5/12 | 9:34:31 PM | 0.28 | 214 | 412 | 102 |
| 8/5/12 | 9:35:31 PM | 0.28 | 215 | 413 | 102 |
| 8/5/12 | 9:36:31 PM | 0.28 | 215 | 413 | 102 |
| 8/5/12 | 9:37:31 PM | 0.28 | 216 | 413 | 102 |
| 8/5/12 | 9:38:31 PM | 0.28 | 217 | 416 | 102 |
| 8/5/12 | 9:39:31 PM | 0.28 | 217 | 415 | 102 |
| 8/5/12 | 9:40:31 PM | 0.28 | 217 | 413 | 102 |
| 8/5/12 | 9:41:31 PM | 0.28 | 218 | 416 | 102 |
| 8/5/12 | 9:42:31 PM | 0.28 | 218 | 415 | 102 |
| 8/5/12 | 9:43:31 PM | 0.28 | 217 | 414 | 102 |
| 8/5/12 | 9:44:31 PM | 0.28 | 217 | 413 | 102 |
| 8/5/12 | 9:45:31 PM | 0.28 | 216 | 413 | 102 |
| 8/5/12 | 9:46:31 PM | 0.28 | 217 | 414 | 102 |
| 8/5/12 | 9:47:31 PM | 0.28 | 218 | 412 | 102 |
| 8/5/12 | 9:48:31 PM | 0.28 | 218 | 412 | 102 |
| 8/5/12 | 9:49:31 PM | 0.28 | 217 | 412 | 102 |
| 8/5/12 | 9:50:31 PM | 0.28 | 218 | 412 | 102 |
| 8/5/12 | 9:51:31 PM | 0.28 | 217 | 412 | 102 |
| 8/5/12 | 9:52:31 PM | 0.28 | 217 | 414 | 102 |
| 8/5/12 | 9:53:31 PM | 0.28 | 217 | 412 | 102 |
| 8/5/12 | 9:54:31 PM | 0.28 | 218 | 414 | 102 |
| 8/5/12 | 9:55:31 PM | 0.28 | 218 | 415 | 102 |
| 8/5/12 | 9:56:31 PM | 0.28 | 218 | 413 | 102 |
| 8/5/12 | 9:57:31 PM | 0.28 | 219 | 409 | 102 |
| 8/5/12 | 9:58:31 PM | 0.28 | 219 | 409 | 102 |
| 8/5/12 | 9:59:31 PM | 0.27 | 219 | 411 | 102 |
| 8/5/12 | 10:00:31 PM | 0.28 | 219 | 409 | 102 |
| 8/5/12 | 10:01:31 PM | 0.28 | 219 | 410 | 102 |
| 8/5/12 | 10:02:31 PM | 0.28 | 219 | 408 | 102 |
| 8/5/12 | 10:03:31 PM | 0.28 | 219 | 409 | 102 |
| 8/5/12 | 10:04:31 PM | 0.28 | 218 | 407 | 102 |
| 8/5/12 | 10:05:31 PM | 0.28 | 218 | 409 | 102 |
| 8/5/12 | 10:06:31 PM | 0.28 | 217 | 407 | 102 |
| 8/5/12 | 10:07:31 PM | 0.28 | 216 | 407 | 102 |
| 8/5/12 | 10:08:31 PM | 0.28 | 215 | 403 | 102 |
| 8/5/12 | 10:09:31 PM | 0.28 | 216 | 405 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 10:10:31 PM | 0.29 | 216 | 403 | 102 |
| 8/5/12 | 10:11:31 PM | 0.28 | 215 | 403 | 102 |
| 8/5/12 | 10:12:31 PM | 0.28 | 215 | 405 | 102 |
| 8/5/12 | 10:13:31 PM | 0.28 | 215 | 405 | 102 |
| 8/5/12 | 10:14:31 PM | 0.28 | 216 | 402 | 102 |
| 8/5/12 | 10:15:31 PM | 0.28 | 216 | 403 | 102 |
| 8/5/12 | 10:16:31 PM | 0.28 | 216 | 403 | 102 |
| 8/5/12 | 10:17:31 PM | 0.28 | 215 | 403 | 102 |
| 8/5/12 | 10:18:31 PM | 0.28 | 215 | 402 | 102 |
| 8/5/12 | 10:19:31 PM | 0.28 | 216 | 407 | 102 |
| 8/5/12 | 10:20:31 PM | 0.28 | 216 | 407 | 102 |
| 8/5/12 | 10:21:31 PM | 0.28 | 217 | 410 | 102 |
| 8/5/12 | 10:22:31 PM | 0.28 | 217 | 406 | 102 |
| 8/5/12 | 10:23:31 PM | 0.28 | 217 | 406 | 102 |
| 8/5/12 | 10:24:31 PM | 0.28 | 218 | 405 | 102 |
| 8/5/12 | 10:25:31 PM | 0.29 | 217 | 406 | 102 |
| 8/5/12 | 10:26:31 PM | 0.28 | 217 | 408 | 102 |
| 8/5/12 | 10:27:31 PM | 0.28 | 216 | 405 | 102 |
| 8/5/12 | 10:28:31 PM | 0.28 | 216 | 403 | 102 |
| 8/5/12 | 10:29:31 PM | 0.28 | 217 | 405 | 102 |
| 8/5/12 | 10:30:31 PM | 0.28 | 217 | 404 | 102 |
| 8/5/12 | 10:31:31 PM | 0.28 | 218 | 404 | 102 |
| 8/5/12 | 10:32:31 PM | 0.28 | 218 | 406 | 102 |
| 8/5/12 | 10:33:31 PM | 0.28 | 218 | 408 | 102 |
| 8/5/12 | 10:34:31 PM | 0.28 | 218 | 408 | 102 |
| 8/5/12 | 10:35:31 PM | 0.28 | 218 | 407 | 102 |
| 8/5/12 | 10:36:31 PM | 0.28 | 218 | 409 | 102 |
| 8/5/12 | 10:37:31 PM | 0.28 | 218 | 408 | 102 |
| 8/5/12 | 10:38:31 PM | 0.28 | 218 | 407 | 102 |
| 8/5/12 | 10:39:31 PM | 0.28 | 217 | 409 | 102 |
| 8/5/12 | 10:40:31 PM | 0.28 | 217 | 407 | 102 |
| 8/5/12 | 10:41:31 PM | 0.28 | 218 | 408 | 102 |
| 8/5/12 | 10:42:31 PM | 0.28 | 219 | 408 | 102 |
| 8/5/12 | 10:43:31 PM | 0.28 | 219 | 409 | 102 |
| 8/5/12 | 10:44:31 PM | 0.28 | 220 | 410 | 102 |
| 8/5/12 | 10:45:31 PM | 0.28 | 219 | 412 | 102 |
| 8/5/12 | 10:46:31 PM | 0.28 | 220 | 410 | 102 |
| 8/5/12 | 10:47:31 PM | 0.28 | 220 | 410 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 10:48:31 PM | 0.28 | 219 | 413 | 102 |
| 8/5/12 | 10:49:31 PM | 0.28 | 219 | 411 | 102 |
| 8/5/12 | 10:50:31 PM | 0.28 | 218 | 412 | 102 |
| 8/5/12 | 10:51:31 PM | 0.28 | 219 | 408 | 102 |
| 8/5/12 | 10:52:31 PM | 0.28 | 219 | 408 | 102 |
| 8/5/12 | 10:53:31 PM | 0.27 | 218 | 407 | 102 |
| 8/5/12 | 10:54:31 PM | 0.28 | 218 | 407 | 102 |
| 8/5/12 | 10:55:31 PM | 0.28 | 219 | 406 | 102 |
| 8/5/12 | 10:56:31 PM | 0.28 | 218 | 407 | 102 |
| 8/5/12 | 10:57:31 PM | 0.28 | 218 | 409 | 102 |
| 8/5/12 | 10:58:31 PM | 0.28 | 218 | 407 | 102 |
| 8/5/12 | 10:59:31 PM | 0.28 | 217 | 407 | 102 |
| 8/5/12 | 11:00:31 PM | 0.28 | 216 | 405 | 102 |
| 8/5/12 | 11:01:31 PM | 0.28 | 215 | 404 | 102 |
| 8/5/12 | 11:02:31 PM | 0.29 | 214 | 404 | 102 |
| 8/5/12 | 11:03:31 PM | 0.28 | 214 | 401 | 102 |
| 8/5/12 | 11:04:31 PM | 0.28 | 213 | 399 | 102 |
| 8/5/12 | 11:05:31 PM | 0.29 | 214 | 402 | 102 |
| 8/5/12 | 11:06:31 PM | 0.28 | 213 | 403 | 102 |
| 8/5/12 | 11:07:31 PM | 0.29 | 212 | 401 | 102 |
| 8/5/12 | 11:08:31 PM | 0.29 | 212 | 403 | 102 |
| 8/5/12 | 11:09:31 PM | 0.29 | 212 | 402 | 102 |
| 8/5/12 | 11:10:31 PM | 0.29 | 212 | 400 | 102 |
| 8/5/12 | 11:11:31 PM | 0.29 | 212 | 399 | 102 |
| 8/5/12 | 11:12:31 PM | 0.28 | 212 | 400 | 102 |
| 8/5/12 | 11:13:31 PM | 0.29 | 212 | 397 | 102 |
| 8/5/12 | 11:14:31 PM | 0.28 | 212 | 397 | 102 |
| 8/5/12 | 11:15:31 PM | 0.29 | 213 | 398 | 102 |
| 8/5/12 | 11:16:31 PM | 0.28 | 214 | 401 | 102 |
| 8/5/12 | 11:17:31 PM | 0.28 | 214 | 400 | 102 |
| 8/5/12 | 11:18:31 PM | 0.28 | 214 | 398 | 102 |
| 8/5/12 | 11:19:31 PM | 0.28 | 214 | 400 | 102 |
| 8/5/12 | 11:20:31 PM | 0.28 | 215 | 401 | 102 |
| 8/5/12 | 11:21:31 PM | 0.28 | 215 | 401 | 102 |
| 8/5/12 | 11:22:31 PM | 0.28 | 215 | 402 | 102 |
| 8/5/12 | 11:23:31 PM | 0.28 | 215 | 402 | 102 |
| 8/5/12 | 11:24:31 PM | 0.28 | 214 | 403 | 102 |
| 8/5/12 | 11:25:31 PM | 0.28 | 215 | 401 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **05-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **05-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/5/12 | 11:26:31 PM | 0.28 | 214 | 401 | 102 |
| 8/5/12 | 11:27:31 PM | 0.29 | 215 | 400 | 102 |
| 8/5/12 | 11:28:31 PM | 0.29 | 215 | 401 | 102 |
| 8/5/12 | 11:29:31 PM | 0.29 | 215 | 402 | 102 |
| 8/5/12 | 11:30:31 PM | 0.28 | 214 | 401 | 102 |
| 8/5/12 | 11:31:31 PM | 0.28 | 214 | 402 | 102 |
| 8/5/12 | 11:32:31 PM | 0.28 | 215 | 402 | 102 |
| 8/5/12 | 11:33:31 PM | 0.28 | 215 | 405 | 102 |
| 8/5/12 | 11:34:31 PM | 0.28 | 216 | 407 | 102 |
| 8/5/12 | 11:35:31 PM | 0.28 | 216 | 405 | 102 |
| 8/5/12 | 11:36:31 PM | 0.28 | 217 | 407 | 102 |
| 8/5/12 | 11:37:31 PM | 0.29 | 217 | 406 | 102 |
| 8/5/12 | 11:38:31 PM | 0.28 | 217 | 406 | 102 |
| 8/5/12 | 11:39:31 PM | 0.29 | 216 | 404 | 102 |
| 8/5/12 | 11:40:31 PM | 0.29 | 216 | 402 | 102 |
| 8/5/12 | 11:41:31 PM | 0.28 | 216 | 406 | 102 |
| 8/5/12 | 11:42:31 PM | 0.28 | 215 | 403 | 102 |
| 8/5/12 | 11:43:31 PM | 0.28 | 215 | 403 | 102 |
| 8/5/12 | 11:44:31 PM | 0.28 | 216 | 403 | 102 |
| 8/5/12 | 11:45:31 PM | 0.28 | 217 | 402 | 102 |
| 8/5/12 | 11:46:31 PM | 0.28 | 216 | 403 | 102 |
| 8/5/12 | 11:47:31 PM | 0.28 | 216 | 403 | 102 |
| 8/5/12 | 11:48:31 PM | 0.28 | 216 | 403 | 102 |
| 8/5/12 | 11:49:31 PM | 0.28 | 216 | 406 | 102 |
| 8/5/12 | 11:50:31 PM | 0.28 | 215 | 402 | 102 |
| 8/5/12 | 11:51:31 PM | 0.28 | 215 | 403 | 102 |
| 8/5/12 | 11:52:31 PM | 0.29 | 215 | 402 | 102 |
| 8/5/12 | 11:53:31 PM | 0.28 | 215 | 401 | 102 |
| 8/5/12 | 11:54:31 PM | 0.28 | 215 | 402 | 102 |
| 8/5/12 | 11:55:31 PM | 0.29 | 215 | 403 | 102 |
| 8/5/12 | 11:56:31 PM | 0.28 | 214 | 400 | 102 |
| 8/5/12 | 11:57:31 PM | 0.28 | 214 | 400 | 102 |
| 8/5/12 | 11:58:31 PM | 0.28 | 215 | 402 | 102 |
| 8/5/12 | 11:59:31 PM | 0.28 | 215 | 401 | 102 |
| | | | CH4 data invalid. 10 ppm assigned as daily average | | |
| Averages | | 0.28 | 222 | 438 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/6/12 12:00:31 AM | 0.29 | 215 | 400 | 102 |
| 8/6/12 12:01:31 AM | 0.28 | 215 | 403 | 102 |
| 8/6/12 12:02:31 AM | 0.28 | 216 | 402 | 102 |
| 8/6/12 12:03:31 AM | 0.28 | 217 | 402 | 102 |
| 8/6/12 12:04:31 AM | 0.28 | 216 | 403 | 102 |
| 8/6/12 12:05:31 AM | 0.28 | 215 | 402 | 102 |
| 8/6/12 12:06:31 AM | 0.28 | 215 | 402 | 102 |
| 8/6/12 12:07:31 AM | 0.28 | 215 | 402 | 102 |
| 8/6/12 12:08:31 AM | 0.28 | 216 | 402 | 102 |
| 8/6/12 12:09:31 AM | 0.28 | 217 | 403 | 102 |
| 8/6/12 12:10:31 AM | 0.28 | 217 | 403 | 102 |
| 8/6/12 12:11:31 AM | 0.28 | 217 | 402 | 102 |
| 8/6/12 12:12:31 AM | 0.28 | 217 | 404 | 102 |
| 8/6/12 12:13:31 AM | 0.28 | 218 | 404 | 102 |
| 8/6/12 12:14:31 AM | 0.28 | 218 | 402 | 102 |
| 8/6/12 12:15:31 AM | 0.28 | 217 | 403 | 102 |
| 8/6/12 12:16:31 AM | 0.28 | 217 | 402 | 102 |
| 8/6/12 12:17:31 AM | 0.28 | 217 | 404 | 102 |
| 8/6/12 12:18:31 AM | 0.28 | 216 | 403 | 102 |
| 8/6/12 12:19:31 AM | 0.28 | 217 | 403 | 102 |
| 8/6/12 12:20:31 AM | 0.28 | 217 | 403 | 102 |
| 8/6/12 12:21:31 AM | 0.28 | 217 | 402 | 102 |
| 8/6/12 12:22:31 AM | 0.28 | 217 | 403 | 102 |
| 8/6/12 12:23:31 AM | 0.28 | 217 | 402 | 102 |
| 8/6/12 12:24:31 AM | 0.28 | 217 | 405 | 102 |
| 8/6/12 12:25:31 AM | 0.28 | 218 | 407 | 102 |
| 8/6/12 12:26:31 AM | 0.28 | 218 | 406 | 102 |
| 8/6/12 12:27:31 AM | 0.28 | 218 | 405 | 102 |
| 8/6/12 12:28:31 AM | 0.28 | 218 | 405 | 102 |
| 8/6/12 12:29:31 AM | 0.28 | 218 | 403 | 102 |
| 8/6/12 12:30:31 AM | 0.28 | 218 | 403 | 102 |
| 8/6/12 12:31:31 AM | 0.28 | 218 | 402 | 102 |
| 8/6/12 12:32:31 AM | 0.28 | 219 | 403 | 102 |
| 8/6/12 12:33:31 AM | 0.28 | 220 | 405 | 102 |
| 8/6/12 12:34:31 AM | 0.27 | 220 | 407 | 102 |
| 8/6/12 12:35:31 AM | 0.28 | 220 | 407 | 102 |
| 8/6/12 12:36:31 AM | 0.28 | 220 | 406 | 102 |
| 8/6/12 12:37:31 AM | 0.28 | 221 | 407 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/6/12 12:38:31 AM | 0.27 | 220 | 407 | 102 |
| 8/6/12 12:39:31 AM | 0.28 | 221 | 407 | 102 |
| 8/6/12 12:40:31 AM | 0.28 | 221 | 406 | 102 |
| 8/6/12 12:41:31 AM | 0.28 | 220 | 407 | 102 |
| 8/6/12 12:42:31 AM | 0.28 | 220 | 408 | 102 |
| 8/6/12 12:43:31 AM | 0.28 | 219 | 407 | 102 |
| 8/6/12 12:44:31 AM | 0.28 | 218 | 405 | 102 |
| 8/6/12 12:45:31 AM | 0.28 | 219 | 406 | 102 |
| 8/6/12 12:46:31 AM | 0.28 | 219 | 405 | 102 |
| 8/6/12 12:47:31 AM | 0.28 | 219 | 404 | 102 |
| 8/6/12 12:48:31 AM | 0.28 | 219 | 405 | 102 |
| 8/6/12 12:49:31 AM | 0.28 | 218 | 403 | 102 |
| 8/6/12 12:50:31 AM | 0.28 | 218 | 401 | 102 |
| 8/6/12 12:51:31 AM | 0.28 | 218 | 403 | 102 |
| 8/6/12 12:52:31 AM | 0.28 | 219 | 404 | 102 |
| 8/6/12 12:53:31 AM | 0.28 | 218 | 403 | 102 |
| 8/6/12 12:54:31 AM | 0.28 | 218 | 403 | 102 |
| 8/6/12 12:55:31 AM | 0.28 | 218 | 405 | 102 |
| 8/6/12 12:56:31 AM | 0.28 | 219 | 405 | 102 |
| 8/6/12 12:57:31 AM | 0.28 | 219 | 406 | 102 |
| 8/6/12 12:58:31 AM | 0.28 | 220 | 406 | 102 |
| 8/6/12 12:59:31 AM | 0.28 | 220 | 407 | 102 |
| 8/6/12 1:00:31 AM | 0.28 | 219 | 409 | 102 |
| 8/6/12 1:01:31 AM | 0.28 | 220 | 406 | 102 |
| 8/6/12 1:02:31 AM | 0.28 | 221 | 407 | 102 |
| 8/6/12 1:03:31 AM | 0.28 | 221 | 407 | 102 |
| 8/6/12 1:04:31 AM | 0.28 | 220 | 408 | 102 |
| 8/6/12 1:05:31 AM | 0.28 | 219 | 408 | 102 |
| 8/6/12 1:06:31 AM | 0.28 | 219 | 408 | 102 |
| 8/6/12 1:07:31 AM | 0.28 | 219 | 408 | 102 |
| 8/6/12 1:08:31 AM | 0.28 | 220 | 407 | 102 |
| 8/6/12 1:09:31 AM | 0.28 | 220 | 408 | 102 |
| 8/6/12 1:10:31 AM | 0.28 | 220 | 408 | 102 |
| 8/6/12 1:11:31 AM | 0.28 | 220 | 407 | 102 |
| 8/6/12 1:12:31 AM | 0.28 | 220 | 407 | 102 |
| 8/6/12 1:13:31 AM | 0.28 | 219 | 406 | 102 |
| 8/6/12 1:14:31 AM | 0.28 | 217 | 404 | 102 |
| 8/6/12 1:15:31 AM | 0.28 | 215 | 402 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 1:16:31 AM | 0.28 | 214 | 402 | 102 |
| 8/6/12 | 1:17:31 AM | 0.28 | 214 | 398 | 102 |
| 8/6/12 | 1:18:31 AM | 0.28 | 215 | 397 | 102 |
| 8/6/12 | 1:19:31 AM | 0.29 | 216 | 398 | 102 |
| 8/6/12 | 1:20:31 AM | 0.28 | 215 | 397 | 102 |
| 8/6/12 | 1:21:31 AM | 0.28 | 215 | 395 | 102 |
| 8/6/12 | 1:22:31 AM | 0.28 | 216 | 397 | 102 |
| 8/6/12 | 1:23:31 AM | 0.28 | 215 | 396 | 102 |
| 8/6/12 | 1:24:31 AM | 0.28 | 215 | 397 | 102 |
| 8/6/12 | 1:25:31 AM | 0.28 | 212 | 398 | 102 |
| 8/6/12 | 1:26:31 AM | 0.28 | 211 | 394 | 102 |
| 8/6/12 | 1:27:31 AM | 0.28 | 210 | 392 | 102 |
| 8/6/12 | 1:28:31 AM | 0.28 | 211 | 390 | 102 |
| 8/6/12 | 1:29:31 AM | 0.29 | 211 | 392 | 102 |
| 8/6/12 | 1:30:31 AM | 0.28 | 212 | 391 | 102 |
| 8/6/12 | 1:31:31 AM | 0.28 | 213 | 392 | 102 |
| 8/6/12 | 1:32:31 AM | 0.28 | 215 | 393 | 102 |
| 8/6/12 | 1:33:31 AM | 0.28 | 217 | 397 | 102 |
| 8/6/12 | 1:34:31 AM | 0.28 | 217 | 398 | 102 |
| 8/6/12 | 1:35:31 AM | 0.28 | 218 | 398 | 102 |
| 8/6/12 | 1:36:31 AM | 0.28 | 219 | 398 | 102 |
| 8/6/12 | 1:37:31 AM | 0.28 | 218 | 399 | 102 |
| 8/6/12 | 1:38:31 AM | 0.28 | 218 | 400 | 102 |
| 8/6/12 | 1:39:31 AM | 0.28 | 217 | 399 | 102 |
| 8/6/12 | 1:40:31 AM | 0.27 | 217 | 401 | 102 |
| 8/6/12 | 1:41:31 AM | 0.28 | 219 | 398 | 102 |
| 8/6/12 | 1:42:31 AM | 0.28 | 220 | 399 | 102 |
| 8/6/12 | 1:43:31 AM | 0.27 | 219 | 401 | 102 |
| 8/6/12 | 1:44:31 AM | 0.27 | 219 | 401 | 102 |
| 8/6/12 | 1:45:31 AM | 0.28 | 221 | 401 | 102 |
| 8/6/12 | 1:46:31 AM | 0.27 | 221 | 403 | 102 |
| 8/6/12 | 1:47:31 AM | 0.28 | 221 | 403 | 102 |
| 8/6/12 | 1:48:31 AM | 0.27 | 222 | 403 | 102 |
| 8/6/12 | 1:49:31 AM | 0.28 | 222 | 404 | 102 |
| 8/6/12 | 1:50:31 AM | 0.27 | 222 | 404 | 102 |
| 8/6/12 | 1:51:31 AM | 0.28 | 222 | 406 | 102 |
| 8/6/12 | 1:52:31 AM | 0.27 | 222 | 408 | 102 |
| 8/6/12 | 1:53:31 AM | 0.28 | 222 | 406 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 1:54:31 AM | 0.28 | 222 | 406 | 102 |
| 8/6/12 | 1:55:31 AM | 0.28 | 222 | 405 | 102 |
| 8/6/12 | 1:56:31 AM | 0.28 | 221 | 404 | 102 |
| 8/6/12 | 1:57:31 AM | 0.28 | 220 | 405 | 102 |
| 8/6/12 | 1:58:31 AM | 0.28 | 219 | 403 | 102 |
| 8/6/12 | 1:59:31 AM | 0.28 | 219 | 403 | 102 |
| 8/6/12 | 2:00:31 AM | 0.28 | 220 | 402 | 102 |
| 8/6/12 | 2:01:31 AM | 0.28 | 220 | 402 | 102 |
| 8/6/12 | 2:02:31 AM | 0.28 | 221 | 402 | 102 |
| 8/6/12 | 2:03:31 AM | 0.28 | 221 | 402 | 102 |
| 8/6/12 | 2:04:31 AM | 0.28 | 222 | 402 | 102 |
| 8/6/12 | 2:05:31 AM | 0.28 | 222 | 402 | 102 |
| 8/6/12 | 2:06:31 AM | 0.27 | 222 | 403 | 102 |
| 8/6/12 | 2:07:31 AM | 0.28 | 222 | 402 | 102 |
| 8/6/12 | 2:08:31 AM | 0.28 | 222 | 404 | 102 |
| 8/6/12 | 2:09:31 AM | 0.28 | 221 | 404 | 102 |
| 8/6/12 | 2:10:31 AM | 0.28 | 221 | 403 | 102 |
| 8/6/12 | 2:11:31 AM | 0.28 | 221 | 403 | 102 |
| 8/6/12 | 2:12:31 AM | 0.28 | 221 | 402 | 102 |
| 8/6/12 | 2:13:31 AM | 0.28 | 221 | 403 | 102 |
| 8/6/12 | 2:14:31 AM | 0.28 | 221 | 402 | 102 |
| 8/6/12 | 2:15:31 AM | 0.28 | 220 | 402 | 102 |
| 8/6/12 | 2:16:31 AM | 0.27 | 220 | 401 | 102 |
| 8/6/12 | 2:17:31 AM | 0.28 | 220 | 402 | 102 |
| 8/6/12 | 2:18:31 AM | 0.28 | 219 | 402 | 102 |
| 8/6/12 | 2:19:31 AM | 0.28 | 219 | 401 | 102 |
| 8/6/12 | 2:20:31 AM | 0.28 | 219 | 399 | 102 |
| 8/6/12 | 2:21:31 AM | 0.28 | 218 | 398 | 102 |
| 8/6/12 | 2:22:31 AM | 0.28 | 218 | 402 | 102 |
| 8/6/12 | 2:23:31 AM | 0.28 | 217 | 400 | 102 |
| 8/6/12 | 2:24:31 AM | 0.28 | 216 | 398 | 102 |
| 8/6/12 | 2:25:31 AM | 0.28 | 214 | 396 | 102 |
| 8/6/12 | 2:26:31 AM | 0.28 | 212 | 396 | 102 |
| 8/6/12 | 2:27:31 AM | 0.28 | 212 | 392 | 102 |
| 8/6/12 | 2:28:31 AM | 0.28 | 210 | 390 | 102 |
| 8/6/12 | 2:29:31 AM | 0.29 | 209 | 387 | 102 |
| 8/6/12 | 2:30:31 AM | 0.29 | 210 | 387 | 102 |
| 8/6/12 | 2:31:31 AM | 0.28 | 211 | 388 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 2:32:31 AM | 0.28 | 213 | 388 | 102 |
| 8/6/12 | 2:33:31 AM | 0.28 | 215 | 390 | 102 |
| 8/6/12 | 2:34:31 AM | 0.28 | 216 | 391 | 102 |
| 8/6/12 | 2:35:31 AM | 0.28 | 216 | 394 | 102 |
| 8/6/12 | 2:36:31 AM | 0.28 | 216 | 394 | 102 |
| 8/6/12 | 2:37:31 AM | 0.28 | 217 | 397 | 102 |
| 8/6/12 | 2:38:31 AM | 0.28 | 217 | 400 | 102 |
| 8/6/12 | 2:39:31 AM | 0.28 | 218 | 397 | 102 |
| 8/6/12 | 2:40:31 AM | 0.28 | 218 | 398 | 102 |
| 8/6/12 | 2:41:31 AM | 0.28 | 218 | 397 | 102 |
| 8/6/12 | 2:42:31 AM | 0.28 | 218 | 398 | 102 |
| 8/6/12 | 2:43:31 AM | 0.28 | 217 | 398 | 102 |
| 8/6/12 | 2:44:31 AM | 0.28 | 218 | 397 | 102 |
| 8/6/12 | 2:45:31 AM | 0.28 | 219 | 399 | 102 |
| 8/6/12 | 2:46:31 AM | 0.28 | 220 | 400 | 102 |
| 8/6/12 | 2:47:31 AM | 0.28 | 221 | 402 | 102 |
| 8/6/12 | 2:48:31 AM | 0.28 | 221 | 402 | 102 |
| 8/6/12 | 2:49:31 AM | 0.28 | 222 | 401 | 102 |
| 8/6/12 | 2:50:31 AM | 0.28 | 222 | 403 | 102 |
| 8/6/12 | 2:51:31 AM | 0.28 | 222 | 406 | 102 |
| 8/6/12 | 2:52:31 AM | 0.28 | 222 | 406 | 102 |
| 8/6/12 | 2:53:31 AM | 0.28 | 221 | 406 | 102 |
| 8/6/12 | 2:54:31 AM | 0.28 | 222 | 405 | 102 |
| 8/6/12 | 2:55:31 AM | 0.27 | 222 | 405 | 102 |
| 8/6/12 | 2:56:31 AM | 0.28 | 222 | 407 | 102 |
| 8/6/12 | 2:57:31 AM | 0.28 | 222 | 408 | 102 |
| 8/6/12 | 2:58:31 AM | 0.28 | 222 | 408 | 102 |
| 8/6/12 | 2:59:31 AM | 0.28 | 222 | 408 | 102 |
| 8/6/12 | 3:00:31 AM | 0.28 | 222 | 408 | 102 |
| 8/6/12 | 3:01:31 AM | 0.28 | 222 | 407 | 102 |
| 8/6/12 | 3:02:31 AM | 0.27 | 223 | 409 | 102 |
| 8/6/12 | 3:03:31 AM | 0.28 | 224 | 411 | 102 |
| 8/6/12 | 3:04:31 AM | 0.27 | 224 | 410 | 102 |
| 8/6/12 | 3:05:31 AM | 0.28 | 223 | 409 | 102 |
| 8/6/12 | 3:06:31 AM | 0.27 | 224 | 410 | 102 |
| 8/6/12 | 3:07:31 AM | 0.27 | 224 | 410 | 102 |
| 8/6/12 | 3:08:31 AM | 0.27 | 225 | 409 | 102 |
| 8/6/12 | 3:09:31 AM | 0.27 | 225 | 408 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 3:10:31 AM | 0.27 | 225 | 409 | 102 |
| 8/6/12 | 3:11:31 AM | 0.27 | 226 | 409 | 102 |
| 8/6/12 | 3:12:31 AM | 0.27 | 226 | 411 | 102 |
| 8/6/12 | 3:13:31 AM | 0.27 | 225 | 411 | 102 |
| 8/6/12 | 3:14:31 AM | 0.27 | 225 | 409 | 102 |
| 8/6/12 | 3:15:31 AM | 0.28 | 225 | 411 | 102 |
| 8/6/12 | 3:16:31 AM | 0.27 | 224 | 408 | 102 |
| 8/6/12 | 3:17:31 AM | 0.27 | 224 | 406 | 102 |
| 8/6/12 | 3:18:31 AM | 0.27 | 224 | 406 | 102 |
| 8/6/12 | 3:19:31 AM | 0.28 | 224 | 406 | 102 |
| 8/6/12 | 3:20:31 AM | 0.28 | 224 | 406 | 102 |
| 8/6/12 | 3:21:31 AM | 0.27 | 223 | 406 | 102 |
| 8/6/12 | 3:22:31 AM | 0.27 | 222 | 405 | 102 |
| 8/6/12 | 3:23:31 AM | 0.27 | 222 | 404 | 102 |
| 8/6/12 | 3:24:31 AM | 0.28 | 223 | 407 | 102 |
| 8/6/12 | 3:25:31 AM | 0.28 | 223 | 408 | 102 |
| 8/6/12 | 3:26:31 AM | 0.28 | 223 | 407 | 102 |
| 8/6/12 | 3:27:31 AM | 0.28 | 223 | 408 | 102 |
| 8/6/12 | 3:28:31 AM | 0.28 | 223 | 407 | 102 |
| 8/6/12 | 3:29:31 AM | 0.28 | 222 | 408 | 102 |
| 8/6/12 | 3:30:31 AM | 0.28 | 223 | 407 | 102 |
| 8/6/12 | 3:31:31 AM | 0.28 | 224 | 407 | 102 |
| 8/6/12 | 3:32:31 AM | 0.28 | 225 | 408 | 102 |
| 8/6/12 | 3:33:31 AM | 0.28 | 225 | 409 | 102 |
| 8/6/12 | 3:34:31 AM | 0.28 | 224 | 409 | 102 |
| 8/6/12 | 3:35:31 AM | 0.28 | 223 | 408 | 102 |
| 8/6/12 | 3:36:31 AM | 0.28 | 223 | 408 | 102 |
| 8/6/12 | 3:37:31 AM | 0.28 | 223 | 408 | 102 |
| 8/6/12 | 3:38:31 AM | 0.28 | 223 | 408 | 102 |
| 8/6/12 | 3:39:31 AM | 0.27 | 223 | 408 | 102 |
| 8/6/12 | 3:40:31 AM | 0.28 | 222 | 408 | 102 |
| 8/6/12 | 3:41:31 AM | 0.28 | 222 | 408 | 102 |
| 8/6/12 | 3:42:31 AM | 0.28 | 223 | 408 | 102 |
| 8/6/12 | 3:43:31 AM | 0.27 | 223 | 408 | 102 |
| 8/6/12 | 3:44:31 AM | 0.28 | 223 | 411 | 102 |
| 8/6/12 | 3:45:31 AM | 0.28 | 223 | 408 | 102 |
| 8/6/12 | 3:46:31 AM | 0.28 | 223 | 407 | 102 |
| 8/6/12 | 3:47:31 AM | 0.28 | 224 | 410 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 3:48:31 AM | 0.28 | 224 | 411 | 102 |
| 8/6/12 | 3:49:31 AM | 0.28 | 224 | 409 | 102 |
| 8/6/12 | 3:50:31 AM | 0.27 | 223 | 410 | 102 |
| 8/6/12 | 3:51:31 AM | 0.27 | 223 | 409 | 102 |
| 8/6/12 | 3:52:31 AM | 0.27 | 224 | 410 | 102 |
| 8/6/12 | 3:53:31 AM | 0.27 | 224 | 410 | 102 |
| 8/6/12 | 3:54:31 AM | 0.28 | 224 | 412 | 102 |
| 8/6/12 | 3:55:31 AM | 0.27 | 224 | 411 | 102 |
| 8/6/12 | 3:56:31 AM | 0.28 | 224 | 409 | 102 |
| 8/6/12 | 3:57:31 AM | 0.27 | 224 | 412 | 102 |
| 8/6/12 | 3:58:31 AM | 0.28 | 224 | 415 | 102 |
| 8/6/12 | 3:59:31 AM | 0.27 | 224 | 411 | 102 |
| 8/6/12 | 4:00:31 AM | 0.28 | 224 | 412 | 102 |
| 8/6/12 | 4:01:31 AM | 0.28 | 224 | 412 | 102 |
| 8/6/12 | 4:02:31 AM | 0.28 | 225 | 411 | 102 |
| 8/6/12 | 4:03:31 AM | 0.27 | 225 | 413 | 102 |
| 8/6/12 | 4:04:31 AM | 0.27 | 225 | 413 | 102 |
| 8/6/12 | 4:05:31 AM | 0.27 | 226 | 411 | 102 |
| 8/6/12 | 4:06:31 AM | 0.28 | 226 | 413 | 102 |
| 8/6/12 | 4:07:31 AM | 0.27 | 225 | 413 | 102 |
| 8/6/12 | 4:08:31 AM | 0.27 | 225 | 413 | 102 |
| 8/6/12 | 4:09:31 AM | 0.27 | 226 | 414 | 102 |
| 8/6/12 | 4:10:31 AM | 0.28 | 227 | 415 | 102 |
| 8/6/12 | 4:11:31 AM | 0.28 | 227 | 415 | 102 |
| 8/6/12 | 4:12:31 AM | 0.28 | 227 | 417 | 102 |
| 8/6/12 | 4:13:31 AM | 0.28 | 226 | 417 | 102 |
| 8/6/12 | 4:14:31 AM | 0.28 | 226 | 420 | 102 |
| 8/6/12 | 4:15:31 AM | 0.27 | 226 | 417 | 102 |
| 8/6/12 | 4:16:31 AM | 0.28 | 227 | 418 | 102 |
| 8/6/12 | 4:17:31 AM | 0.27 | 228 | 420 | 102 |
| 8/6/12 | 4:18:31 AM | 0.28 | 229 | 421 | 102 |
| 8/6/12 | 4:19:31 AM | 0.27 | 228 | 421 | 102 |
| 8/6/12 | 4:20:31 AM | 0.28 | 229 | 422 | 102 |
| 8/6/12 | 4:21:31 AM | 0.27 | 229 | 421 | 102 |
| 8/6/12 | 4:22:31 AM | 0.27 | 229 | 423 | 102 |
| 8/6/12 | 4:23:31 AM | 0.28 | 229 | 422 | 102 |
| 8/6/12 | 4:24:31 AM | 0.27 | 230 | 423 | 102 |
| 8/6/12 | 4:25:31 AM | 0.27 | 231 | 425 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 4:26:31 AM | 0.27 | 232 | 428 | 102 |
| 8/6/12 | 4:27:31 AM | 0.27 | 232 | 427 | 102 |
| 8/6/12 | 4:28:31 AM | 0.27 | 232 | 430 | 102 |
| 8/6/12 | 4:29:31 AM | 0.27 | 232 | 428 | 102 |
| 8/6/12 | 4:30:31 AM | 0.27 | 232 | 427 | 102 |
| 8/6/12 | 4:31:31 AM | 0.27 | 232 | 429 | 102 |
| 8/6/12 | 4:32:31 AM | 0.27 | 232 | 428 | 102 |
| 8/6/12 | 4:33:31 AM | 0.27 | 232 | 428 | 102 |
| 8/6/12 | 4:34:31 AM | 0.27 | 232 | 430 | 102 |
| 8/6/12 | 4:35:31 AM | 0.27 | 232 | 430 | 102 |
| 8/6/12 | 4:36:31 AM | 0.27 | 232 | 432 | 102 |
| 8/6/12 | 4:37:31 AM | 0.27 | 232 | 431 | 102 |
| 8/6/12 | 4:38:31 AM | 0.27 | 232 | 430 | 102 |
| 8/6/12 | 4:39:31 AM | 0.27 | 232 | 431 | 102 |
| 8/6/12 | 4:40:31 AM | 0.27 | 231 | 431 | 102 |
| 8/6/12 | 4:41:31 AM | 0.27 | 230 | 432 | 102 |
| 8/6/12 | 4:42:31 AM | 0.27 | 229 | 428 | 102 |
| 8/6/12 | 4:43:31 AM | 0.27 | 230 | 428 | 102 |
| 8/6/12 | 4:44:31 AM | 0.27 | 230 | 427 | 102 |
| 8/6/12 | 4:45:31 AM | 0.27 | 229 | 427 | 102 |
| 8/6/12 | 4:46:31 AM | 0.27 | 228 | 426 | 102 |
| 8/6/12 | 4:47:31 AM | 0.28 | 228 | 426 | 102 |
| 8/6/12 | 4:48:31 AM | 0.27 | 228 | 427 | 102 |
| 8/6/12 | 4:49:31 AM | 0.27 | 227 | 427 | 102 |
| 8/6/12 | 4:50:31 AM | 0.28 | 228 | 427 | 102 |
| 8/6/12 | 4:51:31 AM | 0.28 | 228 | 427 | 102 |
| 8/6/12 | 4:52:31 AM | 0.27 | 228 | 427 | 102 |
| 8/6/12 | 4:53:31 AM | 0.27 | 228 | 429 | 102 |
| 8/6/12 | 4:54:31 AM | 0.27 | 228 | 428 | 102 |
| 8/6/12 | 4:55:31 AM | 0.27 | 228 | 429 | 102 |
| 8/6/12 | 4:56:31 AM | 0.28 | 227 | 428 | 102 |
| 8/6/12 | 4:57:31 AM | 0.27 | 227 | 427 | 102 |
| 8/6/12 | 4:58:31 AM | 0.27 | 227 | 427 | 102 |
| 8/6/12 | 4:59:31 AM | 0.27 | 226 | 427 | 102 |
| 8/6/12 | 5:00:31 AM | 0.28 | 226 | 427 | 102 |
| 8/6/12 | 5:01:31 AM | 0.27 | 226 | 426 | 102 |
| 8/6/12 | 5:02:31 AM | 0.27 | 226 | 427 | 102 |
| 8/6/12 | 5:03:31 AM | 0.28 | 226 | 427 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 5:04:31 AM | 0.27 | 226 | 427 | 102 |
| 8/6/12 | 5:05:31 AM | 0.27 | 226 | 428 | 102 |
| 8/6/12 | 5:06:31 AM | 0.27 | 226 | 427 | 102 |
| 8/6/12 | 5:07:31 AM | 0.27 | 227 | 427 | 102 |
| 8/6/12 | 5:08:31 AM | 0.27 | 227 | 428 | 102 |
| 8/6/12 | 5:09:31 AM | 0.28 | 228 | 431 | 102 |
| 8/6/12 | 5:10:31 AM | 0.27 | 228 | 430 | 102 |
| 8/6/12 | 5:11:31 AM | 0.28 | 228 | 429 | 102 |
| 8/6/12 | 5:12:31 AM | 0.28 | 228 | 430 | 102 |
| 8/6/12 | 5:13:31 AM | 0.27 | 227 | 431 | 102 |
| 8/6/12 | 5:14:31 AM | 0.28 | 228 | 431 | 102 |
| 8/6/12 | 5:15:31 AM | 0.27 | 228 | 430 | 102 |
| 8/6/12 | 5:16:31 AM | 0.27 | 228 | 431 | 102 |
| 8/6/12 | 5:17:31 AM | 0.28 | 228 | 433 | 102 |
| 8/6/12 | 5:18:31 AM | 0.28 | 228 | 432 | 102 |
| 8/6/12 | 5:19:31 AM | 0.27 | 227 | 431 | 102 |
| 8/6/12 | 5:20:31 AM | 0.28 | 227 | 432 | 102 |
| 8/6/12 | 5:21:31 AM | 0.27 | 227 | 430 | 102 |
| 8/6/12 | 5:22:31 AM | 0.28 | 227 | 431 | 102 |
| 8/6/12 | 5:23:31 AM | 0.27 | 225 | 431 | 102 |
| 8/6/12 | 5:24:31 AM | 0.27 | 225 | 432 | 102 |
| 8/6/12 | 5:25:31 AM | 0.28 | 224 | 430 | 102 |
| 8/6/12 | 5:26:31 AM | 0.27 | 224 | 428 | 102 |
| 8/6/12 | 5:27:31 AM | 0.28 | 224 | 428 | 102 |
| 8/6/12 | 5:28:31 AM | 0.27 | 224 | 431 | 102 |
| 8/6/12 | 5:29:31 AM | 0.28 | 224 | 430 | 102 |
| 8/6/12 | 5:30:31 AM | 0.28 | 223 | 428 | 102 |
| 8/6/12 | 5:31:31 AM | 0.28 | 223 | 428 | 102 |
| 8/6/12 | 5:32:31 AM | 0.28 | 223 | 427 | 102 |
| 8/6/12 | 5:33:31 AM | 0.27 | 223 | 428 | 102 |
| 8/6/12 | 5:34:31 AM | 0.28 | 223 | 429 | 102 |
| 8/6/12 | 5:35:31 AM | 0.28 | 222 | 429 | 102 |
| 8/6/12 | 5:36:31 AM | 0.28 | 222 | 427 | 102 |
| 8/6/12 | 5:37:31 AM | 0.28 | 223 | 427 | 102 |
| 8/6/12 | 5:38:31 AM | 0.27 | 223 | 428 | 102 |
| 8/6/12 | 5:39:31 AM | 0.28 | 223 | 431 | 102 |
| 8/6/12 | 5:40:31 AM | 0.28 | 224 | 428 | 102 |
| 8/6/12 | 5:41:31 AM | 0.28 | 224 | 431 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 5:42:31 AM | 0.28 | 223 | 432 | 102 |
| 8/6/12 | 5:43:31 AM | 0.28 | 223 | 432 | 102 |
| 8/6/12 | 5:44:31 AM | 0.28 | 223 | 433 | 102 |
| 8/6/12 | 5:45:31 AM | 0.27 | 223 | 432 | 102 |
| 8/6/12 | 5:46:31 AM | 0.28 | 223 | 432 | 102 |
| 8/6/12 | 5:47:31 AM | 0.28 | 224 | 432 | 102 |
| 8/6/12 | 5:48:31 AM | 0.28 | 223 | 432 | 102 |
| 8/6/12 | 5:49:31 AM | 0.28 | 222 | 432 | 102 |
| 8/6/12 | 5:50:31 AM | 0.28 | 223 | 432 | 102 |
| 8/6/12 | 5:51:31 AM | 0.28 | 223 | 432 | 102 |
| 8/6/12 | 5:52:31 AM | 0.27 | 223 | 432 | 102 |
| 8/6/12 | 5:53:31 AM | 0.28 | 223 | 434 | 102 |
| 8/6/12 | 5:54:31 AM | 0.27 | 223 | 434 | 102 |
| 8/6/12 | 5:55:31 AM | 0.28 | 223 | 433 | 102 |
| 8/6/12 | 5:56:31 AM | 0.28 | 223 | 435 | 102 |
| 8/6/12 | 5:57:31 AM | 0.27 | 223 | 436 | 102 |
| 8/6/12 | 5:58:31 AM | 0.28 | 223 | 436 | 102 |
| 8/6/12 | 5:59:31 AM | 0.28 | 223 | 436 | 102 |
| 8/6/12 | 6:00:31 AM | 0.28 | 223 | 437 | 102 |
| 8/6/12 | 6:01:31 AM | 0.27 | 222 | 436 | 102 |
| 8/6/12 | 6:02:31 AM | 0.28 | 222 | 436 | 102 |
| 8/6/12 | 6:03:31 AM | 0.28 | 222 | 435 | 102 |
| 8/6/12 | 6:04:31 AM | 0.28 | 223 | 436 | 102 |
| 8/6/12 | 6:05:31 AM | 0.28 | 222 | 435 | 102 |
| 8/6/12 | 6:06:31 AM | 0.28 | 222 | 434 | 102 |
| 8/6/12 | 6:07:31 AM | 0.27 | 222 | 434 | 102 |
| 8/6/12 | 6:08:31 AM | 0.28 | 223 | 433 | 102 |
| 8/6/12 | 6:09:31 AM | 0.27 | 224 | 436 | 102 |
| 8/6/12 | 6:10:31 AM | 0.27 | 225 | 437 | 102 |
| 8/6/12 | 6:11:31 AM | 0.27 | 225 | 440 | 102 |
| 8/6/12 | 6:12:31 AM | 0.27 | 226 | 438 | 102 |
| 8/6/12 | 6:13:31 AM | 0.27 | 227 | 439 | 102 |
| 8/6/12 | 6:14:31 AM | 0.27 | 227 | 439 | 102 |
| 8/6/12 | 6:15:31 AM | 0.27 | 227 | 442 | 102 |
| 8/6/12 | 6:16:31 AM | 0.27 | 227 | 441 | 102 |
| 8/6/12 | 6:17:31 AM | 0.27 | 228 | 442 | 102 |
| 8/6/12 | 6:18:31 AM | 0.27 | 229 | 443 | 102 |
| 8/6/12 | 6:19:31 AM | 0.27 | 229 | 443 | 102 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 6:20:31 AM | 0.27 | 230 | 444 | 102 |
| 8/6/12 | 6:21:31 AM | 0.27 | 230 | 444 | 102 |
| 8/6/12 | 6:22:31 AM | 0.27 | 229 | 446 | 102 |
| 8/6/12 | 6:23:31 AM | 0.28 | 229 | 447 | 102 |
| 8/6/12 | 6:24:31 AM | 0.28 | 229 | 447 | 102 |
| 8/6/12 | 6:25:31 AM | 0.27 | 228 | 447 | 102 |
| 8/6/12 | 6:26:31 AM | 0.27 | 229 | 450 | 102 |
| 8/6/12 | 6:27:31 AM | 0.27 | 230 | 451 | 102 |
| 8/6/12 | 6:28:31 AM | 0.28 | 231 | 450 | 102 |
| 8/6/12 | 6:29:31 AM | 0.27 | 231 | 450 | 102 |
| 8/6/12 | 6:30:31 AM | 0.27 | 232 | 452 | 102 |
| 8/6/12 | 6:31:31 AM | 0.27 | 231 | 452 | 102 |
| 8/6/12 | 6:32:31 AM | 0.27 | 232 | 452 | 102 |
| 8/6/12 | 6:33:31 AM | 0.27 | 232 | 453 | 102 |
| 8/6/12 | 6:34:31 AM | 0.28 | 233 | 454 | 102 |
| 8/6/12 | 6:35:31 AM | 0.27 | 233 | 456 | 102 |
| 8/6/12 | 6:36:31 AM | 0.27 | 234 | 457 | 102 |
| 8/6/12 | 6:37:31 AM | 0.27 | 235 | 457 | 101 |
| 8/6/12 | 6:38:31 AM | 0.27 | 235 | 458 | 101 |
| 8/6/12 | 6:39:31 AM | 0.27 | 235 | 459 | 101 |
| 8/6/12 | 6:40:31 AM | 0.27 | 234 | 461 | 101 |
| 8/6/12 | 6:41:31 AM | 0.28 | 235 | 462 | 100 |
| 8/6/12 | 6:42:31 AM | 0.27 | 235 | 461 | 100 |
| 8/6/12 | 6:43:31 AM | 0.27 | 234 | 459 | 101 |
| 8/6/12 | 6:44:31 AM | 0.27 | 235 | 462 | 101 |
| 8/6/12 | 6:45:31 AM | 0.27 | 234 | 463 | 101 |
| 8/6/12 | 6:46:31 AM | 0.27 | 234 | 463 | 100 |
| 8/6/12 | 6:47:31 AM | 0.27 | 234 | 463 | 100 |
| 8/6/12 | 6:48:31 AM | 0.27 | 233 | 463 | 100 |
| 8/6/12 | 6:49:31 AM | 0.27 | 232 | 462 | 101 |
| 8/6/12 | 6:50:31 AM | 0.27 | 232 | 462 | 101 |
| 8/6/12 | 6:51:31 AM | 0.28 | 232 | 461 | 101 |
| 8/6/12 | 6:52:31 AM | 0.28 | 231 | 461 | 99 |
| 8/6/12 | 6:53:31 AM | 0.28 | 230 | 462 | 99 |
| 8/6/12 | 6:54:31 AM | 0.27 | 230 | 460 | 99 |
| 8/6/12 | 6:55:31 AM | 0.28 | 230 | 458 | 100 |
| 8/6/12 | 6:56:31 AM | 0.28 | 229 | 457 | 100 |
| 8/6/12 | 6:57:31 AM | 0.28 | 229 | 457 | 100 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 6:58:31 AM | 0.28 | 229 | 460 | 99 |
| 8/6/12 | 6:59:31 AM | 0.28 | 229 | 457 | 99 |
| 8/6/12 | 7:00:31 AM | 0.28 | 228 | 457 | 99 |
| 8/6/12 | 7:01:31 AM | 0.28 | 228 | 458 | 99 |
| 8/6/12 | 7:02:31 AM | 0.28 | 228 | 458 | 99 |
| 8/6/12 | 7:03:31 AM | 0.28 | 229 | 459 | 99 |
| 8/6/12 | 7:04:31 AM | 0.28 | 230 | 459 | 99 |
| 8/6/12 | 7:05:31 AM | 0.28 | 230 | 462 | 99 |
| 8/6/12 | 7:06:31 AM | 0.27 | 231 | 462 | 99 |
| 8/6/12 | 7:07:31 AM | 0.28 | 231 | 463 | 99 |
| 8/6/12 | 7:08:31 AM | 0.28 | 230 | 462 | 99 |
| 8/6/12 | 7:09:31 AM | 0.28 | 231 | 463 | 99 |
| 8/6/12 | 7:10:31 AM | 0.28 | 230 | 464 | 99 |
| 8/6/12 | 7:11:31 AM | 0.28 | 230 | 462 | 99 |
| 8/6/12 | 7:12:31 AM | 0.28 | 230 | 463 | 99 |
| 8/6/12 | 7:13:31 AM | 0.28 | 231 | 463 | 100 |
| 8/6/12 | 7:14:31 AM | 0.27 | 231 | 464 | 100 |
| 8/6/12 | 7:15:31 AM | 0.28 | 231 | 465 | 100 |
| 8/6/12 | 7:16:31 AM | 0.27 | 232 | 464 | 99 |
| 8/6/12 | 7:17:31 AM | 0.28 | 232 | 468 | 98 |
| 8/6/12 | 7:18:31 AM | 0.27 | 231 | 463 | 98 |
| 8/6/12 | 7:19:31 AM | 0.27 | 230 | 464 | 98 |
| 8/6/12 | 7:20:31 AM | 0.28 | 229 | 464 | 98 |
| 8/6/12 | 7:21:31 AM | 0.27 | 229 | 464 | 98 |
| 8/6/12 | 7:22:31 AM | 0.27 | 229 | 463 | 99 |
| 8/6/12 | 7:23:31 AM | 0.27 | 230 | 465 | 99 |
| 8/6/12 | 7:24:31 AM | 0.27 | 230 | 465 | 99 |
| 8/6/12 | 7:25:31 AM | 0.27 | 230 | 468 | 100 |
| 8/6/12 | 7:26:31 AM | 0.28 | 230 | 466 | 100 |
| 8/6/12 | 7:27:31 AM | 0.27 | 231 | 468 | 100 |
| 8/6/12 | 7:28:31 AM | 0.28 | 233 | 467 | 100 |
| 8/6/12 | 7:29:31 AM | 0.28 | 234 | 468 | 100 |
| 8/6/12 | 7:30:31 AM | 0.27 | 235 | 471 | 100 |
| 8/6/12 | 7:31:31 AM | 0.27 | 234 | 472 | 100 |
| 8/6/12 | 7:32:31 AM | 0.28 | 234 | 475 | 100 |
| 8/6/12 | 7:33:31 AM | 0.27 | 234 | 473 | 100 |
| 8/6/12 | 7:34:31 AM | 0.28 | 234 | 474 | 98 |
| 8/6/12 | 7:35:31 AM | 0.28 | 234 | 474 | 98 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 7:36:31 AM | 0.28 | 234 | 475 | 98 |
| 8/6/12 | 7:37:31 AM | 0.28 | 233 | 475 | 99 |
| 8/6/12 | 7:38:31 AM | 0.28 | 232 | 474 | 99 |
| 8/6/12 | 7:39:31 AM | 0.28 | 232 | 475 | 99 |
| 8/6/12 | 7:40:31 AM | 0.28 | 232 | 474 | 100 |
| 8/6/12 | 7:41:31 AM | 0.28 | 232 | 474 | 100 |
| 8/6/12 | 7:42:31 AM | 0.28 | 233 | 475 | 100 |
| 8/6/12 | 7:43:31 AM | 0.28 | 234 | 476 | 99 |
| 8/6/12 | 7:44:31 AM | 0.28 | 234 | 477 | 99 |
| 8/6/12 | 7:45:31 AM | 0.27 | 234 | 477 | 99 |
| 8/6/12 | 7:46:31 AM | 0.27 | 234 | 477 | 98 |
| 8/6/12 | 7:47:31 AM | 0.27 | 234 | 477 | 98 |
| 8/6/12 | 7:48:31 AM | 0.28 | 234 | 480 | 98 |
| 8/6/12 | 7:49:31 AM | 0.28 | 234 | 480 | 99 |
| 8/6/12 | 7:50:31 AM | 0.27 | 233 | 478 | 99 |
| 8/6/12 | 7:51:31 AM | 0.27 | 232 | 478 | 99 |
| 8/6/12 | 7:52:31 AM | 0.28 | 232 | 478 | 99 |
| 8/6/12 | 7:53:31 AM | 0.27 | 232 | 478 | 99 |
| 8/6/12 | 7:54:31 AM | 0.27 | 232 | 477 | 99 |
| 8/6/12 | 7:55:31 AM | 0.29 | 230 | 477 | 99 |
| 8/6/12 | 7:56:31 AM | 0.28 | 228 | 476 | 99 |
| 8/6/12 | 7:57:31 AM | 0.28 | 228 | 474 | 99 |
| 8/6/12 | 7:58:31 AM | 0.28 | 228 | 472 | 99 |
| 8/6/12 | 7:59:31 AM | 0.28 | 227 | 472 | 99 |
| 8/6/12 | 8:00:31 AM | 0.28 | 227 | 475 | 99 |
| 8/6/12 | 8:01:31 AM | 0.27 | 228 | 474 | 99 |
| 8/6/12 | 8:02:31 AM | 0.28 | 230 | 475 | 99 |
| 8/6/12 | 8:03:31 AM | 0.28 | 230 | 477 | 99 |
| 8/6/12 | 8:04:31 AM | 0.28 | 229 | 478 | 98 |
| 8/6/12 | 8:05:31 AM | 0.28 | 228 | 475 | 98 |
| 8/6/12 | 8:06:31 AM | 0.28 | 227 | 475 | 98 |
| 8/6/12 | 8:07:31 AM | 0.29 | 226 | 472 | 98 |
| 8/6/12 | 8:08:31 AM | 0.28 | 225 | 472 | 98 |
| 8/6/12 | 8:09:31 AM | 0.27 | 226 | 472 | 98 |
| 8/6/12 | 8:10:31 AM | 0.28 | 227 | 474 | 97 |
| 8/6/12 | 8:11:31 AM | 0.27 | 227 | 475 | 97 |
| 8/6/12 | 8:12:31 AM | 0.28 | 227 | 478 | 97 |
| 8/6/12 | 8:13:31 AM | 0.28 | 227 | 481 | 97 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 8:14:31 AM | 0.28 | 228 | 482 | 97 |
| 8/6/12 | 8:15:31 AM | 0.28 | 228 | 481 | 97 |
| 8/6/12 | 8:16:31 AM | 0.27 | 228 | 481 | 97 |
| 8/6/12 | 8:17:31 AM | 0.28 | 229 | 481 | 97 |
| 8/6/12 | 8:18:31 AM | 0.28 | 229 | 482 | 97 |
| 8/6/12 | 8:19:31 AM | 0.28 | 229 | 479 | 97 |
| 8/6/12 | 8:20:31 AM | 0.28 | 230 | 482 | 97 |
| 8/6/12 | 8:21:31 AM | 0.27 | 231 | 482 | 97 |
| 8/6/12 | 8:22:31 AM | 0.27 | 233 | 483 | 96 |
| 8/6/12 | 8:23:31 AM | 0.27 | 234 | 486 | 96 |
| 8/6/12 | 8:24:31 AM | 0.27 | 235 | 490 | 96 |
| 8/6/12 | 8:25:31 AM | 0.27 | 235 | 489 | 97 |
| 8/6/12 | 8:26:31 AM | 0.28 | 233 | 490 | 97 |
| 8/6/12 | 8:27:31 AM | 0.28 | 232 | 489 | 97 |
| 8/6/12 | 8:28:31 AM | 0.27 | 231 | 488 | 97 |
| 8/6/12 | 8:29:31 AM | 0.28 | 232 | 489 | 97 |
| 8/6/12 | 8:30:31 AM | 0.28 | 230 | 491 | 97 |
| 8/6/12 | 8:31:31 AM | 0.28 | 228 | 489 | 96 |
| 8/6/12 | 8:32:31 AM | 0.28 | 230 | 487 | 96 |
| 8/6/12 | 8:33:31 AM | 0.28 | 230 | 489 | 96 |
| 8/6/12 | 8:34:31 AM | 0.28 | 230 | 491 | 97 |
| 8/6/12 | 8:35:31 AM | 0.27 | 229 | 491 | 97 |
| 8/6/12 | 8:36:31 AM | 0.28 | 229 | 490 | 97 |
| 8/6/12 | 8:37:31 AM | 0.28 | 229 | 491 | 97 |
| 8/6/12 | 8:38:31 AM | 0.28 | 229 | 493 | 97 |
| 8/6/12 | 8:39:31 AM | 0.28 | 229 | 492 | 97 |
| 8/6/12 | 8:40:31 AM | 0.28 | 229 | 493 | 96 |
| 8/6/12 | 8:41:31 AM | 0.28 | 229 | 496 | 96 |
| 8/6/12 | 8:42:31 AM | 0.28 | 229 | 495 | 96 |
| 8/6/12 | 8:43:31 AM | 0.28 | 228 | 493 | 96 |
| 8/6/12 | 8:44:31 AM | 0.27 | 228 | 493 | 97 |
| 8/6/12 | 8:45:31 AM | 0.28 | 229 | 494 | 97 |
| 8/6/12 | 8:46:31 AM | 0.28 | 229 | 494 | 96 |
| 8/6/12 | 8:47:31 AM | 0.29 | 228 | 497 | 96 |
| 8/6/12 | 8:48:31 AM | 0.28 | 227 | 497 | 96 |
| 8/6/12 | 8:49:31 AM | 0.28 | 227 | 496 | 96 |
| 8/6/12 | 8:50:31 AM | 0.27 | 227 | 494 | 96 |
| 8/6/12 | 8:51:31 AM | 0.27 | 227 | 493 | 96 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 8:52:31 AM | 0.27 | 227 | 494 | 95 |
| 8/6/12 | 8:53:31 AM | 0.27 | 228 | 493 | 95 |
| 8/6/12 | 8:54:31 AM | 0.27 | 227 | 494 | 95 |
| 8/6/12 | 8:55:31 AM | 0.27 | 226 | 492 | 95 |
| 8/6/12 | 8:56:31 AM | 0.28 | 225 | 492 | 95 |
| 8/6/12 | 8:57:31 AM | 0.28 | 224 | 494 | 95 |
| 8/6/12 | 8:58:31 AM | 0.27 | 224 | 493 | 96 |
| 8/6/12 | 8:59:31 AM | 0.27 | 224 | 491 | 96 |
| 8/6/12 | 9:00:31 AM | 0.27 | 226 | 491 | 96 |
| 8/6/12 | 9:01:31 AM | 0.27 | 226 | 493 | 96 |
| 8/6/12 | 9:02:31 AM | 0.27 | 227 | 492 | 96 |
| 8/6/12 | 9:03:31 AM | 0.27 | 227 | 493 | 96 |
| 8/6/12 | 9:04:31 AM | 0.28 | 226 | 493 | 96 |
| 8/6/12 | 9:05:31 AM | 0.28 | 226 | 495 | 95 |
| 8/6/12 | 9:06:31 AM | 0.27 | 226 | 493 | 95 |
| 8/6/12 | 9:07:31 AM | 0.27 | 228 | 493 | 96 |
| 8/6/12 | 9:08:31 AM | 0.27 | 230 | 497 | 96 |
| 8/6/12 | 9:09:31 AM | 0.28 | 229 | 497 | 96 |
| 8/6/12 | 9:10:31 AM | 0.28 | 228 | 499 | 96 |
| 8/6/12 | 9:11:31 AM | 0.27 | 228 | 499 | 96 |
| 8/6/12 | 9:12:31 AM | 0.27 | 228 | 500 | 96 |
| 8/6/12 | 9:13:31 AM | 0.28 | 228 | 500 | 96 |
| 8/6/12 | 9:14:31 AM | 0.28 | 228 | 498 | 96 |
| 8/6/12 | 9:15:31 AM | 0.28 | 227 | 499 | 96 |
| 8/6/12 | 9:16:31 AM | 0.29 | 226 | 498 | 96 |
| 8/6/12 | 9:17:31 AM | 0.28 | 225 | 497 | 96 |
| 8/6/12 | 9:18:31 AM | 0.28 | 226 | 497 | 96 |
| 8/6/12 | 9:19:31 AM | 0.28 | 226 | 497 | 95 |
| 8/6/12 | 9:20:31 AM | 0.28 | 227 | 498 | 95 |
| 8/6/12 | 9:21:31 AM | 0.27 | 228 | 499 | 95 |
| 8/6/12 | 9:22:31 AM | 0.27 | 230 | 501 | 96 |
| 8/6/12 | 9:23:31 AM | 0.27 | 231 | 502 | 96 |
| 8/6/12 | 9:24:31 AM | 0.28 | 230 | 503 | 96 |
| 8/6/12 | 9:25:31 AM | 0.28 | 229 | 502 | 96 |
| 8/6/12 | 9:26:31 AM | 0.28 | 228 | 502 | 96 |
| 8/6/12 | 9:27:31 AM | 0.28 | 228 | 502 | 96 |
| 8/6/12 | 9:28:31 AM | 0.27 | 230 | 503 | 96 |
| 8/6/12 | 9:29:31 AM | 0.28 | 230 | 504 | 96 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 9:30:31 AM | 0.28 | 231 | 505 | 96 |
| 8/6/12 | 9:31:31 AM | 0.28 | 230 | 506 | 95 |
| 8/6/12 | 9:32:31 AM | 0.28 | 228 | 504 | 94 |
| 8/6/12 | 9:33:31 AM | 0.27 | 227 | 503 | 94 |
| 8/6/12 | 9:34:31 AM | 0.28 | 227 | 499 | 95 |
| 8/6/12 | 9:35:31 AM | 0.28 | 227 | 499 | 95 |
| 8/6/12 | 9:36:31 AM | 0.28 | 228 | 502 | 95 |
| 8/6/12 | 9:37:31 AM | 0.28 | 228 | 501 | 96 |
| 8/6/12 | 9:38:31 AM | 0.28 | 228 | 503 | 96 |
| 8/6/12 | 9:39:31 AM | 0.28 | 228 | 505 | 96 |
| 8/6/12 | 9:40:31 AM | 0.28 | 226 | 504 | 96 |
| 8/6/12 | 9:41:31 AM | 0.27 | 227 | 498 | 96 |
| 8/6/12 | 9:42:31 AM | 0.28 | 227 | 501 | 96 |
| 8/6/12 | 9:43:31 AM | 0.28 | 227 | 502 | 95 |
| 8/6/12 | 9:44:31 AM | 0.28 | 227 | 501 | 95 |
| 8/6/12 | 9:45:31 AM | 0.28 | 227 | 502 | 95 |
| 8/6/12 | 9:46:31 AM | 0.28 | 226 | 501 | 95 |
| 8/6/12 | 9:47:31 AM | 0.29 | 225 | 498 | 95 |
| 8/6/12 | 9:48:31 AM | 0.28 | 225 | 500 | 95 |
| 8/6/12 | 9:49:31 AM | 0.27 | 227 | 503 | 95 |
| 8/6/12 | 9:50:31 AM | 0.28 | 228 | 501 | 95 |
| 8/6/12 | 9:51:31 AM | 0.27 | 229 | 500 | 95 |
| 8/6/12 | 9:52:31 AM | 0.27 | 229 | 502 | 94 |
| 8/6/12 | 9:53:31 AM | 0.27 | 230 | 503 | 94 |
| 8/6/12 | 9:54:31 AM | 0.27 | 230 | 504 | 94 |
| 8/6/12 | 9:55:31 AM | 0.27 | 229 | 502 | 94 |
| 8/6/12 | 9:56:31 AM | 0.28 | 228 | 501 | 94 |
| 8/6/12 | 9:57:31 AM | 0.28 | 225 | 500 | 94 |
| 8/6/12 | 9:58:31 AM | 0.28 | 225 | 498 | 94 |
| 8/6/12 | 9:59:31 AM | 0.28 | 224 | 496 | 94 |
| 8/6/12 | 10:00:31 AM | 0.28 | 226 | 496 | 94 |
| 8/6/12 | 10:01:31 AM | 0.28 | 226 | 497 | 94 |
| 8/6/12 | 10:02:31 AM | 0.27 | 226 | 497 | 94 |
| 8/6/12 | 10:03:31 AM | 0.27 | 227 | 497 | 94 |
| 8/6/12 | 10:04:31 AM | 0.27 | 228 | 498 | 94 |
| 8/6/12 | 10:05:31 AM | 0.27 | 229 | 498 | 94 |
| 8/6/12 | 10:06:31 AM | 0.27 | 229 | 503 | 94 |
| 8/6/12 | 10:07:31 AM | 0.28 | 229 | 502 | 95 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 10:08:31 AM | 0.28 | 228 | 500 | 95 |
| 8/6/12 | 10:09:31 AM | 0.28 | 226 | 497 | 95 |
| 8/6/12 | 10:10:31 AM | 0.28 | 226 | 497 | 94 |
| 8/6/12 | 10:11:31 AM | 0.28 | 226 | 497 | 94 |
| 8/6/12 | 10:12:31 AM | 0.28 | 225 | 496 | 94 |
| 8/6/12 | 10:13:31 AM | 0.28 | 226 | 495 | 94 |
| 8/6/12 | 10:14:31 AM | 0.27 | 226 | 496 | 94 |
| 8/6/12 | 10:15:31 AM | 0.27 | 227 | 496 | 94 |
| 8/6/12 | 10:16:31 AM | 0.27 | 227 | 497 | 94 |
| 8/6/12 | 10:17:31 AM | 0.27 | 228 | 498 | 94 |
| 8/6/12 | 10:18:31 AM | 0.28 | 228 | 499 | 94 |
| 8/6/12 | 10:19:31 AM | 0.28 | 228 | 498 | 94 |
| 8/6/12 | 10:20:31 AM | 0.28 | 227 | 497 | 94 |
| 8/6/12 | 10:21:31 AM | 0.28 | 227 | 497 | 94 |
| 8/6/12 | 10:22:31 AM | 0.28 | 227 | 496 | 94 |
| 8/6/12 | 10:23:31 AM | 0.28 | 226 | 497 | 94 |
| 8/6/12 | 10:24:31 AM | 0.28 | 225 | 496 | 94 |
| 8/6/12 | 10:25:31 AM | 0.28 | 225 | 492 | 94 |
| 8/6/12 | 10:26:31 AM | 0.28 | 225 | 493 | 94 |
| 8/6/12 | 10:27:31 AM | 0.28 | 226 | 496 | 94 |
| 8/6/12 | 10:28:31 AM | 0.28 | 227 | 497 | 94 |
| 8/6/12 | 10:29:31 AM | 0.28 | 228 | 498 | 94 |
| 8/6/12 | 10:30:31 AM | 0.28 | 227 | 498 | 94 |
| 8/6/12 | 10:31:31 AM | 0.27 | 226 | 497 | 94 |
| 8/6/12 | 10:32:31 AM | 0.28 | 227 | 497 | 94 |
| 8/6/12 | 10:33:31 AM | 0.29 | 228 | 496 | 94 |
| 8/6/12 | 10:34:31 AM | 0.28 | 227 | 496 | 93 |
| 8/6/12 | 10:35:31 AM | 0.29 | 226 | 496 | 93 |
| 8/6/12 | 10:36:31 AM | 0.28 | 224 | 494 | 93 |
| 8/6/12 | 10:37:31 AM | 0.28 | 224 | 493 | 93 |
| 8/6/12 | 10:38:31 AM | 0.28 | 224 | 491 | 93 |
| 8/6/12 | 10:39:31 AM | 0.28 | 225 | 492 | 93 |
| 8/6/12 | 10:40:31 AM | 0.28 | 225 | 494 | 93 |
| 8/6/12 | 10:41:31 AM | 0.28 | 225 | 492 | 93 |
| 8/6/12 | 10:42:31 AM | 0.27 | 224 | 492 | 93 |
| 8/6/12 | 10:43:31 AM | 0.29 | 225 | 492 | 93 |
| 8/6/12 | 10:44:31 AM | 0.29 | 224 | 492 | 93 |
| 8/6/12 | 10:45:31 AM | 0.29 | 222 | 491 | 93 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 10:46:31 AM | 0.29 | 222 | 490 | 93 |
| 8/6/12 | 10:47:31 AM | 0.28 | 222 | 487 | 93 |
| 8/6/12 | 10:48:31 AM | 0.28 | 222 | 487 | 93 |
| 8/6/12 | 10:49:31 AM | 0.28 | 222 | 487 | 93 |
| 8/6/12 | 10:50:31 AM | 0.28 | 222 | 487 | 93 |
| 8/6/12 | 10:51:31 AM | 0.28 | 222 | 487 | 93 |
| 8/6/12 | 10:52:31 AM | 0.28 | 222 | 487 | 93 |
| 8/6/12 | 10:53:31 AM | 0.27 | 224 | 488 | 93 |
| 8/6/12 | 10:54:31 AM | 0.27 | 226 | 491 | 93 |
| 8/6/12 | 10:55:31 AM | 0.27 | 225 | 492 | 93 |
| 8/6/12 | 10:56:31 AM | 0.28 | 224 | 492 | 93 |
| 8/6/12 | 10:57:31 AM | 0.27 | 225 | 490 | 93 |
| 8/6/12 | 10:58:31 AM | 0.29 | 225 | 494 | 92 |
| 8/6/12 | 10:59:31 AM | 0.30 | 223 | 488 | 92 |
| 8/6/12 | 11:00:31 AM | 0.29 | 222 | 490 | 92 |
| 8/6/12 | 11:01:31 AM | 0.29 | 223 | 486 | 92 |
| 8/6/12 | 11:02:31 AM | 0.29 | 223 | 480 | 92 |
| 8/6/12 | 11:03:31 AM | 0.28 | 223 | 485 | 92 |
| 8/6/12 | 11:04:31 AM | 0.28 | 224 | 487 | 91 |
| 8/6/12 | 11:05:31 AM | 0.28 | 223 | 490 | 91 |
| 8/6/12 | 11:06:31 AM | 0.29 | 223 | 488 | 91 |
| 8/6/12 | 11:07:31 AM | 0.29 | 222 | 490 | 90 |
| 8/6/12 | 11:08:31 AM | 0.30 | 221 | 489 | 90 |
| 8/6/12 | 11:09:31 AM | 0.29 | 220 | 449 | 90 |
| 8/6/12 | 11:10:31 AM | Start Calibration | | | |
| 8/6/12 | 11:11:31 AM | | | | |
| 8/6/12 | 11:12:31 AM | | | | |
| 8/6/12 | 11:13:31 AM | | | | |
| 8/6/12 | 11:14:31 AM | | | | |
| 8/6/12 | 11:15:31 AM | | | | |
| 8/6/12 | 11:16:31 AM | | | | |
| 8/6/12 | 11:17:31 AM | | | | |
| 8/6/12 | 11:18:31 AM | | | | |
| 8/6/12 | 11:19:31 AM | | | | |
| 8/6/12 | 11:20:31 AM | | | | |
| 8/6/12 | 11:21:31 AM | | | | |
| 8/6/12 | 11:22:31 AM | | | | |
| 8/6/12 | 11:23:31 AM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/6/12 11:24:31 AM | | | | |
| 8/6/12 11:25:31 AM | | | | |
| 8/6/12 11:26:31 AM | | | | |
| 8/6/12 11:27:31 AM | | | | |
| 8/6/12 11:28:31 AM | | | | |
| 8/6/12 11:29:31 AM | | | | |
| 8/6/12 11:30:31 AM | | | | |
| 8/6/12 11:31:31 AM | | | | |
| 8/6/12 11:32:31 AM | | | | |
| 8/6/12 11:33:31 AM | | | | |
| 8/6/12 11:34:31 AM | | | | |
| 8/6/12 11:35:31 AM | | | | |
| 8/6/12 11:36:31 AM | | | | |
| 8/6/12 11:37:31 AM | | | | |
| 8/6/12 11:38:31 AM | | | | |
| 8/6/12 11:39:31 AM | | | | |
| 8/6/12 11:40:31 AM | | | | |
| 8/6/12 11:41:31 AM | | | | |
| 8/6/12 11:42:31 AM | | | | |
| 8/6/12 11:43:31 AM | | | | |
| 8/6/12 11:44:31 AM | | | | |
| 8/6/12 11:45:31 AM | | | | |
| 8/6/12 11:46:31 AM | | | | |
| 8/6/12 11:47:31 AM | | | | |
| 8/6/12 11:48:31 AM | | | | |
| 8/6/12 11:49:31 AM | | | | |
| 8/6/12 11:50:31 AM | | | | |
| 8/6/12 11:51:31 AM | | | | |
| 8/6/12 11:52:31 AM | | | | |
| 8/6/12 11:53:31 AM | | | | |
| 8/6/12 11:54:31 AM | End Calibration | | | |
| 8/6/12 11:55:31 AM | 0.29 | 222 | 437 | 91 |
| 8/6/12 11:56:31 AM | 0.28 | 222 | 446 | 91 |
| 8/6/12 11:57:31 AM | 0.29 | 222 | 453 | 91 |
| 8/6/12 11:58:31 AM | 0.29 | 222 | 456 | 92 |
| 8/6/12 11:59:31 AM | 0.29 | 222 | 458 | 92 |
| 8/6/12 12:00:31 PM | 0.28 | 222 | 462 | 92 |
| 8/6/12 12:01:31 PM | 0.29 | 223 | 466 | 92 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 12:02:31 PM | 0.29 | 221 | 466 | 92 |
| 8/6/12 | 12:03:31 PM | 0.29 | 221 | 467 | 92 |
| 8/6/12 | 12:04:31 PM | 0.29 | 221 | 471 | 92 |
| 8/6/12 | 12:05:31 PM | 0.30 | 221 | 472 | 92 |
| 8/6/12 | 12:06:31 PM | 0.29 | 220 | 472 | 92 |
| 8/6/12 | 12:07:31 PM | 0.29 | 220 | 475 | 92 |
| 8/6/12 | 12:08:31 PM | 0.30 | 221 | 474 | 92 |
| 8/6/12 | 12:09:31 PM | 0.30 | 222 | 479 | 92 |
| 8/6/12 | 12:10:31 PM | 0.29 | 222 | 479 | 92 |
| 8/6/12 | 12:11:31 PM | 0.29 | 222 | 482 | 92 |
| 8/6/12 | 12:12:31 PM | 0.29 | 222 | 483 | 92 |
| 8/6/12 | 12:13:31 PM | 0.28 | 222 | 483 | 92 |
| 8/6/12 | 12:14:31 PM | 0.28 | 223 | 485 | 91 |
| 8/6/12 | 12:15:31 PM | 0.29 | 223 | 484 | 91 |
| 8/6/12 | 12:16:31 PM | 0.29 | 222 | 484 | 91 |
| 8/6/12 | 12:17:31 PM | 0.28 | 223 | 486 | 91 |
| 8/6/12 | 12:18:31 PM | 0.28 | 223 | 487 | 91 |
| 8/6/12 | 12:19:31 PM | 0.29 | 223 | 488 | 91 |
| 8/6/12 | 12:20:31 PM | 0.29 | 223 | 488 | 91 |
| 8/6/12 | 12:21:31 PM | 0.29 | 223 | 491 | 91 |
| 8/6/12 | 12:22:31 PM | 0.29 | 222 | 488 | 92 |
| 8/6/12 | 12:23:31 PM | 0.29 | 221 | 487 | 92 |
| 8/6/12 | 12:24:31 PM | 0.29 | 220 | 489 | 92 |
| 8/6/12 | 12:25:31 PM | 0.29 | 220 | 487 | 92 |
| 8/6/12 | 12:26:31 PM | 0.29 | 221 | 488 | 92 |
| 8/6/12 | 12:27:31 PM | 0.29 | 223 | 491 | 92 |
| 8/6/12 | 12:28:31 PM | 0.29 | 224 | 491 | 92 |
| 8/6/12 | 12:29:31 PM | 0.28 | 223 | 491 | 92 |
| 8/6/12 | 12:30:31 PM | 0.29 | 223 | 491 | 92 |
| 8/6/12 | 12:31:31 PM | 0.29 | 222 | 491 | 93 |
| 8/6/12 | 12:32:31 PM | 0.30 | 222 | 487 | 93 |
| 8/6/12 | 12:33:31 PM | 0.28 | 222 | 488 | 93 |
| 8/6/12 | 12:34:31 PM | 0.28 | 223 | 493 | 92 |
| 8/6/12 | 12:35:31 PM | 0.28 | 225 | 496 | 92 |
| 8/6/12 | 12:36:31 PM | 0.28 | 225 | 497 | 92 |
| 8/6/12 | 12:37:31 PM | 0.28 | 226 | 497 | 92 |
| 8/6/12 | 12:38:31 PM | 0.28 | 227 | 501 | 92 |
| 8/6/12 | 12:39:31 PM | 0.28 | 228 | 501 | 92 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 12:40:31 PM | 0.28 | 228 | 503 | 92 |
| 8/6/12 | 12:41:31 PM | 0.29 | 228 | 509 | 92 |
| 8/6/12 | 12:42:31 PM | 0.29 | 228 | 504 | 92 |
| 8/6/12 | 12:43:31 PM | 0.29 | 226 | 502 | 92 |
| 8/6/12 | 12:44:31 PM | 0.28 | 225 | 501 | 92 |
| 8/6/12 | 12:45:31 PM | 0.29 | 224 | 500 | 92 |
| 8/6/12 | 12:46:31 PM | 0.28 | 225 | 501 | 92 |
| 8/6/12 | 12:47:31 PM | 0.28 | 227 | 500 | 92 |
| 8/6/12 | 12:48:31 PM | 0.28 | 227 | 503 | 92 |
| 8/6/12 | 12:49:31 PM | 0.28 | 228 | 504 | 91 |
| 8/6/12 | 12:50:31 PM | 0.29 | 228 | 506 | 91 |
| 8/6/12 | 12:51:31 PM | 0.29 | 227 | 504 | 91 |
| 8/6/12 | 12:52:31 PM | 0.28 | 227 | 503 | 91 |
| 8/6/12 | 12:53:31 PM | 0.28 | 227 | 505 | 91 |
| 8/6/12 | 12:54:31 PM | 0.29 | 227 | 504 | 91 |
| 8/6/12 | 12:55:31 PM | 0.29 | 226 | 503 | 92 |
| 8/6/12 | 12:56:31 PM | 0.29 | 225 | 502 | 92 |
| 8/6/12 | 12:57:31 PM | 0.28 | 225 | 505 | 92 |
| 8/6/12 | 12:58:31 PM | 0.30 | 224 | 505 | 92 |
| 8/6/12 | 12:59:31 PM | 0.29 | 224 | 501 | 91 |
| 8/6/12 | 1:00:31 PM | 0.29 | 224 | 501 | 91 |
| 8/6/12 | 1:01:31 PM | 0.29 | 223 | 497 | 92 |
| 8/6/12 | 1:02:31 PM | 0.28 | 223 | 498 | 92 |
| 8/6/12 | 1:03:31 PM | 0.28 | 225 | 498 | 92 |
| 8/6/12 | 1:04:31 PM | 0.28 | 226 | 501 | 91 |
| 8/6/12 | 1:05:31 PM | 0.29 | 226 | 502 | 91 |
| 8/6/12 | 1:06:31 PM | 0.29 | 225 | 501 | 91 |
| 8/6/12 | 1:07:31 PM | 0.29 | 225 | 501 | 91 |
| 8/6/12 | 1:08:31 PM | 0.29 | 225 | 502 | 91 |
| 8/6/12 | 1:09:31 PM | 0.29 | 224 | 499 | 91 |
| 8/6/12 | 1:10:31 PM | 0.29 | 222 | 497 | 91 |
| 8/6/12 | 1:11:31 PM | 0.29 | 222 | 496 | 91 |
| 8/6/12 | 1:12:31 PM | 0.28 | 222 | 496 | 91 |
| 8/6/12 | 1:13:31 PM | 0.29 | 223 | 497 | 91 |
| 8/6/12 | 1:14:31 PM | 0.29 | 223 | 497 | 91 |
| 8/6/12 | 1:15:31 PM | 0.28 | 222 | 499 | 91 |
| 8/6/12 | 1:16:31 PM | 0.28 | 223 | 498 | 91 |
| 8/6/12 | 1:17:31 PM | 0.28 | 222 | 498 | 91 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 1:18:31 PM | 0.29 | 223 | 498 | 91 |
| 8/6/12 | 1:19:31 PM | 0.29 | 223 | 498 | 90 |
| 8/6/12 | 1:20:31 PM | 0.30 | 222 | 498 | 90 |
| 8/6/12 | 1:21:31 PM | 0.29 | 220 | 493 | 90 |
| 8/6/12 | 1:22:31 PM | 0.30 | 219 | 493 | 90 |
| 8/6/12 | 1:23:31 PM | 0.30 | 218 | 491 | 90 |
| 8/6/12 | 1:24:31 PM | 0.29 | 219 | 491 | 90 |
| 8/6/12 | 1:25:31 PM | 0.29 | 219 | 492 | 91 |
| 8/6/12 | 1:26:31 PM | 0.29 | 220 | 491 | 91 |
| 8/6/12 | 1:27:31 PM | 0.29 | 220 | 491 | 91 |
| 8/6/12 | 1:28:31 PM | 0.29 | 220 | 489 | 91 |
| 8/6/12 | 1:29:31 PM | 0.29 | 220 | 490 | 91 |
| 8/6/12 | 1:30:31 PM | 0.28 | 221 | 491 | 91 |
| 8/6/12 | 1:31:31 PM | 0.28 | 222 | 494 | 90 |
| 8/6/12 | 1:32:31 PM | 0.28 | 223 | 498 | 90 |
| 8/6/12 | 1:33:31 PM | 0.29 | 224 | 497 | 90 |
| 8/6/12 | 1:34:31 PM | 0.29 | 225 | 497 | 90 |
| 8/6/12 | 1:35:31 PM | 0.29 | 225 | 500 | 90 |
| 8/6/12 | 1:36:31 PM | 0.29 | 225 | 499 | 90 |
| 8/6/12 | 1:37:31 PM | 0.29 | 225 | 501 | 91 |
| 8/6/12 | 1:38:31 PM | 0.28 | 227 | 502 | 91 |
| 8/6/12 | 1:39:31 PM | 0.28 | 227 | 503 | 91 |
| 8/6/12 | 1:40:31 PM | 0.28 | 227 | 506 | 91 |
| 8/6/12 | 1:41:31 PM | 0.29 | 227 | 507 | 91 |
| 8/6/12 | 1:42:31 PM | 0.28 | 227 | 506 | 91 |
| 8/6/12 | 1:43:31 PM | 0.29 | 227 | 506 | 91 |
| 8/6/12 | 1:44:31 PM | 0.28 | 227 | 505 | 91 |
| 8/6/12 | 1:45:31 PM | 0.29 | 226 | 505 | 91 |
| 8/6/12 | 1:46:31 PM | 0.29 | 225 | 503 | 91 |
| 8/6/12 | 1:47:31 PM | 0.28 | 226 | 503 | 91 |
| 8/6/12 | 1:48:31 PM | 0.28 | 226 | 502 | 91 |
| 8/6/12 | 1:49:31 PM | 0.28 | 226 | 508 | 90 |
| 8/6/12 | 1:50:31 PM | 0.28 | 226 | 507 | 90 |
| 8/6/12 | 1:51:31 PM | 0.28 | 225 | 507 | 90 |
| 8/6/12 | 1:52:31 PM | 0.28 | 226 | 502 | 91 |
| 8/6/12 | 1:53:31 PM | 0.28 | 226 | 505 | 91 |
| 8/6/12 | 1:54:31 PM | 0.29 | 225 | 503 | 91 |
| 8/6/12 | 1:55:31 PM | 0.29 | 224 | 500 | 91 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 1:56:31 PM | 0.28 | 223 | 499 | 91 |
| 8/6/12 | 1:57:31 PM | 0.28 | 224 | 499 | 91 |
| 8/6/12 | 1:58:31 PM | 0.28 | 227 | 503 | 90 |
| 8/6/12 | 1:59:31 PM | 0.28 | 228 | 506 | 90 |
| 8/6/12 | 2:00:31 PM | 0.28 | 230 | 508 | 90 |
| 8/6/12 | 2:01:31 PM | 0.28 | 231 | 510 | 90 |
| 8/6/12 | 2:02:31 PM | 0.28 | 232 | 514 | 90 |
| 8/6/12 | 2:03:31 PM | 0.28 | 230 | 513 | 90 |
| 8/6/12 | 2:04:31 PM | 0.28 | 230 | 512 | 90 |
| 8/6/12 | 2:05:31 PM | 0.27 | 231 | 512 | 89 |
| 8/6/12 | 2:06:31 PM | 0.28 | 230 | 514 | 89 |
| 8/6/12 | 2:07:31 PM | 0.28 | 230 | 513 | 90 |
| 8/6/12 | 2:08:31 PM | 0.28 | 231 | 517 | 90 |
| 8/6/12 | 2:09:31 PM | 0.28 | 232 | 515 | 90 |
| 8/6/12 | 2:10:31 PM | 0.29 | 230 | 512 | 90 |
| 8/6/12 | 2:11:31 PM | 0.28 | 228 | 510 | 90 |
| 8/6/12 | 2:12:31 PM | 0.27 | 228 | 510 | 90 |
| 8/6/12 | 2:13:31 PM | 0.27 | 229 | 512 | 91 |
| 8/6/12 | 2:14:31 PM | 0.27 | 230 | 511 | 91 |
| 8/6/12 | 2:15:31 PM | 0.28 | 231 | 513 | 91 |
| 8/6/12 | 2:16:31 PM | 0.29 | 230 | 513 | 90 |
| 8/6/12 | 2:17:31 PM | 0.29 | 229 | 512 | 90 |
| 8/6/12 | 2:18:31 PM | 0.28 | 229 | 512 | 90 |
| 8/6/12 | 2:19:31 PM | 0.29 | 230 | 514 | 90 |
| 8/6/12 | 2:20:31 PM | 0.29 | 230 | 513 | 90 |
| 8/6/12 | 2:21:31 PM | 0.29 | 229 | 511 | 90 |
| 8/6/12 | 2:22:31 PM | 0.29 | 227 | 509 | 90 |
| 8/6/12 | 2:23:31 PM | 0.29 | 226 | 506 | 90 |
| 8/6/12 | 2:24:31 PM | 0.28 | 225 | 505 | 90 |
| 8/6/12 | 2:25:31 PM | 0.28 | 226 | 503 | 90 |
| 8/6/12 | 2:26:31 PM | 0.28 | 228 | 505 | 90 |
| 8/6/12 | 2:27:31 PM | 0.28 | 229 | 510 | 90 |
| 8/6/12 | 2:28:31 PM | 0.28 | 228 | 510 | 90 |
| 8/6/12 | 2:29:31 PM | 0.28 | 229 | 507 | 90 |
| 8/6/12 | 2:30:31 PM | 0.28 | 230 | 510 | 90 |
| 8/6/12 | 2:31:31 PM | 0.28 | 230 | 510 | 89 |
| 8/6/12 | 2:32:31 PM | 0.29 | 229 | 509 | 89 |
| 8/6/12 | 2:33:31 PM | 0.28 | 229 | 509 | 89 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 2:34:31 PM | 0.28 | 229 | 513 | 89 |
| 8/6/12 | 2:35:31 PM | 0.28 | 230 | 514 | 89 |
| 8/6/12 | 2:36:31 PM | 0.29 | 230 | 512 | 89 |
| 8/6/12 | 2:37:31 PM | 0.28 | 230 | 511 | 88 |
| 8/6/12 | 2:38:31 PM | 0.28 | 230 | 511 | 88 |
| 8/6/12 | 2:39:31 PM | 0.28 | 231 | 512 | 88 |
| 8/6/12 | 2:40:31 PM | 0.28 | 231 | 512 | 89 |
| 8/6/12 | 2:41:31 PM | 0.28 | 229 | 508 | 89 |
| 8/6/12 | 2:42:31 PM | 0.29 | 228 | 508 | 89 |
| 8/6/12 | 2:43:31 PM | 0.28 | 228 | 507 | 88 |
| 8/6/12 | 2:44:31 PM | 0.28 | 227 | 505 | 88 |
| 8/6/12 | 2:45:31 PM | 0.28 | 227 | 511 | 88 |
| 8/6/12 | 2:46:31 PM | 0.27 | 230 | 510 | 88 |
| 8/6/12 | 2:47:31 PM | 0.28 | 233 | 515 | 88 |
| 8/6/12 | 2:48:31 PM | 0.28 | 235 | 517 | 88 |
| 8/6/12 | 2:49:31 PM | 0.28 | 235 | 520 | 88 |
| 8/6/12 | 2:50:31 PM | 0.27 | 235 | 522 | 88 |
| 8/6/12 | 2:51:31 PM | 0.28 | 236 | 522 | 88 |
| 8/6/12 | 2:52:31 PM | 0.28 | 236 | 523 | 88 |
| 8/6/12 | 2:53:31 PM | 0.28 | 233 | 523 | 88 |
| 8/6/12 | 2:54:31 PM | 0.28 | 231 | 519 | 88 |
| 8/6/12 | 2:55:31 PM | 0.28 | 232 | 518 | 88 |
| 8/6/12 | 2:56:31 PM | 0.29 | 232 | 521 | 88 |
| 8/6/12 | 2:57:31 PM | 0.28 | 228 | 520 | 88 |
| 8/6/12 | 2:58:31 PM | 0.28 | 229 | 514 | 88 |
| 8/6/12 | 2:59:31 PM | 0.28 | 229 | 513 | 88 |
| 8/6/12 | 3:00:31 PM | 0.28 | 232 | 517 | 88 |
| 8/6/12 | 3:01:31 PM | 0.28 | 233 | 517 | 88 |
| 8/6/12 | 3:02:31 PM | 0.28 | 233 | 521 | 88 |
| 8/6/12 | 3:03:31 PM | 0.28 | 233 | 523 | 88 |
| 8/6/12 | 3:04:31 PM | 0.27 | 232 | 521 | 87 |
| 8/6/12 | 3:05:31 PM | 0.28 | 233 | 521 | 87 |
| 8/6/12 | 3:06:31 PM | 0.28 | 232 | 520 | 87 |
| 8/6/12 | 3:07:31 PM | 0.28 | 232 | 519 | 87 |
| 8/6/12 | 3:08:31 PM | 0.28 | 232 | 519 | 87 |
| 8/6/12 | 3:09:31 PM | 0.28 | 232 | 519 | 87 |
| 8/6/12 | 3:10:31 PM | 0.28 | 232 | 518 | 87 |
| 8/6/12 | 3:11:31 PM | 0.28 | 232 | 519 | 87 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 3:12:31 PM | 0.28 | 232 | 518 | 87 |
| 8/6/12 | 3:13:31 PM | 0.28 | 230 | 516 | 86 |
| 8/6/12 | 3:14:31 PM | 0.28 | 230 | 523 | 86 |
| 8/6/12 | 3:15:31 PM | 0.28 | 230 | 527 | 86 |
| 8/6/12 | 3:16:31 PM | 0.28 | 230 | 523 | 87 |
| 8/6/12 | 3:17:31 PM | 0.28 | 230 | 522 | 87 |
| 8/6/12 | 3:18:31 PM | 0.28 | 231 | 522 | 87 |
| 8/6/12 | 3:19:31 PM | 0.28 | 233 | 522 | 86 |
| 8/6/12 | 3:20:31 PM | 0.27 | 233 | 523 | 86 |
| 8/6/12 | 3:21:31 PM | 0.28 | 232 | 521 | 86 |
| 8/6/12 | 3:22:31 PM | 0.28 | 230 | 518 | 87 |
| 8/6/12 | 3:23:31 PM | 0.28 | 230 | 516 | 87 |
| 8/6/12 | 3:24:31 PM | 0.28 | 230 | 516 | 87 |
| 8/6/12 | 3:25:31 PM | 0.28 | 230 | 515 | 87 |
| 8/6/12 | 3:26:31 PM | 0.29 | 228 | 512 | 87 |
| 8/6/12 | 3:27:31 PM | 0.29 | 227 | 508 | 87 |
| 8/6/12 | 3:28:31 PM | 0.29 | 225 | 507 | 87 |
| 8/6/12 | 3:29:31 PM | 0.29 | 225 | 505 | 87 |
| 8/6/12 | 3:30:31 PM | 0.29 | 225 | 503 | 87 |
| 8/6/12 | 3:31:31 PM | 0.28 | 225 | 503 | 86 |
| 8/6/12 | 3:32:31 PM | 0.28 | 226 | 504 | 86 |
| 8/6/12 | 3:33:31 PM | 0.29 | 225 | 503 | 86 |
| 8/6/12 | 3:34:31 PM | 0.28 | 224 | 502 | 86 |
| 8/6/12 | 3:35:31 PM | 0.28 | 226 | 502 | 86 |
| 8/6/12 | 3:36:31 PM | 0.28 | 226 | 503 | 86 |
| 8/6/12 | 3:37:31 PM | 0.28 | 226 | 502 | 86 |
| 8/6/12 | 3:38:31 PM | 0.28 | 229 | 503 | 86 |
| 8/6/12 | 3:39:31 PM | 0.28 | 230 | 507 | 86 |
| 8/6/12 | 3:40:31 PM | 0.28 | 231 | 507 | 86 |
| 8/6/12 | 3:41:31 PM | 0.28 | 231 | 507 | 86 |
| 8/6/12 | 3:42:31 PM | 0.28 | 231 | 510 | 86 |
| 8/6/12 | 3:43:31 PM | 0.28 | 230 | 508 | 86 |
| 8/6/12 | 3:44:31 PM | 0.28 | 230 | 506 | 86 |
| 8/6/12 | 3:45:31 PM | 0.28 | 230 | 510 | 86 |
| 8/6/12 | 3:46:31 PM | 0.28 | 230 | 507 | 86 |
| 8/6/12 | 3:47:31 PM | 0.28 | 229 | 506 | 86 |
| 8/6/12 | 3:48:31 PM | 0.28 | 228 | 504 | 86 |
| 8/6/12 | 3:49:31 PM | 0.28 | 227 | 503 | 85 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 3:50:31 PM | 0.28 | 228 | 503 | 85 |
| 8/6/12 | 3:51:31 PM | 0.29 | 228 | 502 | 85 |
| 8/6/12 | 3:52:31 PM | 0.29 | 227 | 501 | 85 |
| 8/6/12 | 3:53:31 PM | 0.28 | 225 | 497 | 85 |
| 8/6/12 | 3:54:31 PM | 0.28 | 225 | 497 | 85 |
| 8/6/12 | 3:55:31 PM | 0.28 | 226 | 497 | 86 |
| 8/6/12 | 3:56:31 PM | 0.28 | 229 | 501 | 86 |
| 8/6/12 | 3:57:31 PM | 0.28 | 230 | 507 | 86 |
| 8/6/12 | 3:58:31 PM | 0.28 | 230 | 507 | 85 |
| 8/6/12 | 3:59:31 PM | 0.28 | 229 | 505 | 85 |
| 8/6/12 | 4:00:31 PM | 0.28 | 229 | 502 | 85 |
| 8/6/12 | 4:01:31 PM | 0.29 | 229 | 501 | 85 |
| 8/6/12 | 4:02:31 PM | 0.28 | 229 | 501 | 85 |
| 8/6/12 | 4:03:31 PM | 0.28 | 229 | 501 | 85 |
| 8/6/12 | 4:04:31 PM | 0.28 | 229 | 501 | 84 |
| 8/6/12 | 4:05:31 PM | 0.28 | 229 | 499 | 84 |
| 8/6/12 | 4:06:31 PM | 0.27 | 231 | 503 | 84 |
| 8/6/12 | 4:07:31 PM | 0.28 | 232 | 505 | 83 |
| 8/6/12 | 4:08:31 PM | 0.28 | 233 | 505 | 83 |
| 8/6/12 | 4:09:31 PM | 0.28 | 234 | 507 | 83 |
| 8/6/12 | 4:10:31 PM | 0.28 | 234 | 507 | 84 |
| 8/6/12 | 4:11:31 PM | 0.28 | 234 | 507 | 84 |
| 8/6/12 | 4:12:31 PM | 0.29 | 233 | 507 | 84 |
| 8/6/12 | 4:13:31 PM | 0.29 | 231 | 505 | 84 |
| 8/6/12 | 4:14:31 PM | 0.28 | 230 | 503 | 84 |
| 8/6/12 | 4:15:31 PM | 0.28 | 229 | 502 | 84 |
| 8/6/12 | 4:16:31 PM | 0.29 | 229 | 501 | 84 |
| 8/6/12 | 4:17:31 PM | 0.28 | 228 | 502 | 84 |
| 8/6/12 | 4:18:31 PM | 0.29 | 227 | 499 | 84 |
| 8/6/12 | 4:19:31 PM | 0.28 | 226 | 497 | 83 |
| 8/6/12 | 4:20:31 PM | 0.28 | 225 | 496 | 83 |
| 8/6/12 | 4:21:31 PM | 0.28 | 226 | 495 | 83 |
| 8/6/12 | 4:22:31 PM | 0.28 | 226 | 495 | 83 |
| 8/6/12 | 4:23:31 PM | 0.28 | 226 | 493 | 83 |
| 8/6/12 | 4:24:31 PM | 0.28 | 226 | 496 | 83 |
| 8/6/12 | 4:25:31 PM | 0.28 | 228 | 496 | 83 |
| 8/6/12 | 4:26:31 PM | 0.27 | 229 | 497 | 83 |
| 8/6/12 | 4:27:31 PM | 0.28 | 232 | 501 | 83 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 4:28:31 PM | 0.28 | 233 | 504 | 82 |
| 8/6/12 | 4:29:31 PM | 0.28 | 235 | 506 | 82 |
| 8/6/12 | 4:30:31 PM | 0.28 | 235 | 507 | 82 |
| 8/6/12 | 4:31:31 PM | 0.28 | 235 | 508 | 82 |
| 8/6/12 | 4:32:31 PM | 0.28 | 234 | 509 | 82 |
| 8/6/12 | 4:33:31 PM | 0.28 | 233 | 509 | 82 |
| 8/6/12 | 4:34:31 PM | 0.28 | 232 | 505 | 82 |
| 8/6/12 | 4:35:31 PM | 0.29 | 230 | 503 | 82 |
| 8/6/12 | 4:36:31 PM | 0.29 | 228 | 505 | 82 |
| 8/6/12 | 4:37:31 PM | 0.28 | 227 | 500 | 81 |
| 8/6/12 | 4:38:31 PM | 0.29 | 226 | 498 | 81 |
| 8/6/12 | 4:39:31 PM | 0.29 | 225 | 497 | 81 |
| 8/6/12 | 4:40:31 PM | 0.29 | 224 | 493 | 80 |
| 8/6/12 | 4:41:31 PM | 0.28 | 224 | 491 | 80 |
| 8/6/12 | 4:42:31 PM | 0.28 | 224 | 493 | 80 |
| 8/6/12 | 4:43:31 PM | 0.29 | 225 | 492 | 81 |
| 8/6/12 | 4:44:31 PM | 0.29 | 224 | 492 | 81 |
| 8/6/12 | 4:45:31 PM | 0.28 | 224 | 492 | 81 |
| 8/6/12 | 4:46:31 PM | 0.28 | 224 | 492 | 82 |
| 8/6/12 | 4:47:31 PM | 0.28 | 226 | 492 | 82 |
| 8/6/12 | 4:48:31 PM | 0.28 | 225 | 494 | 82 |
| 8/6/12 | 4:49:31 PM | 0.28 | 225 | 493 | 81 |
| 8/6/12 | 4:50:31 PM | 0.28 | 225 | 492 | 81 |
| 8/6/12 | 4:51:31 PM | 0.28 | 224 | 492 | 81 |
| 8/6/12 | 4:52:31 PM | 0.28 | 224 | 493 | 81 |
| 8/6/12 | 4:53:31 PM | 0.29 | 224 | 493 | 81 |
| 8/6/12 | 4:54:31 PM | 0.28 | 224 | 493 | 81 |
| 8/6/12 | 4:55:31 PM | 0.29 | 226 | 493 | 82 |
| 8/6/12 | 4:56:31 PM | 0.28 | 224 | 494 | 82 |
| 8/6/12 | 4:57:31 PM | 0.28 | 225 | 493 | 82 |
| 8/6/12 | 4:58:31 PM | 0.28 | 226 | 495 | 82 |
| 8/6/12 | 4:59:31 PM | 0.28 | 226 | 495 | 82 |
| 8/6/12 | 5:00:31 PM | 0.28 | 226 | 497 | 82 |
| 8/6/12 | 5:01:31 PM | 0.28 | 225 | 495 | 81 |
| 8/6/12 | 5:02:31 PM | 0.28 | 224 | 494 | 81 |
| 8/6/12 | 5:03:31 PM | 0.27 | 226 | 496 | 81 |
| 8/6/12 | 5:04:31 PM | 0.28 | 228 | 497 | 82 |
| 8/6/12 | 5:05:31 PM | 0.27 | 228 | 497 | 82 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 5:06:31 PM | 0.27 | 229 | 499 | 82 |
| 8/6/12 | 5:07:31 PM | 0.27 | 229 | 500 | 81 |
| 8/6/12 | 5:08:31 PM | 0.27 | 229 | 500 | 81 |
| 8/6/12 | 5:09:31 PM | 0.28 | 229 | 501 | 81 |
| 8/6/12 | 5:10:31 PM | 0.28 | 228 | 501 | 81 |
| 8/6/12 | 5:11:31 PM | 0.27 | 227 | 499 | 81 |
| 8/6/12 | 5:12:31 PM | 0.28 | 228 | 499 | 81 |
| 8/6/12 | 5:13:31 PM | 0.28 | 228 | 499 | 81 |
| 8/6/12 | 5:14:31 PM | 0.28 | 227 | 499 | 81 |
| 8/6/12 | 5:15:31 PM | 0.29 | 225 | 497 | 81 |
| 8/6/12 | 5:16:31 PM | 0.29 | 224 | 493 | 81 |
| 8/6/12 | 5:17:31 PM | 0.28 | 222 | 489 | 81 |
| 8/6/12 | 5:18:31 PM | 0.28 | 222 | 489 | 81 |
| 8/6/12 | 5:19:31 PM | 0.28 | 222 | 489 | 81 |
| 8/6/12 | 5:20:31 PM | 0.28 | 223 | 489 | 81 |
| 8/6/12 | 5:21:31 PM | 0.28 | 223 | 489 | 81 |
| 8/6/12 | 5:22:31 PM | 0.28 | 223 | 491 | 80 |
| 8/6/12 | 5:23:31 PM | 0.29 | 223 | 487 | 80 |
| 8/6/12 | 5:24:31 PM | 0.29 | 223 | 487 | 80 |
| 8/6/12 | 5:25:31 PM | 0.28 | 223 | 487 | 80 |
| 8/6/12 | 5:26:31 PM | 0.28 | 224 | 487 | 80 |
| 8/6/12 | 5:27:31 PM | 0.28 | 224 | 488 | 80 |
| 8/6/12 | 5:28:31 PM | 0.28 | 225 | 487 | 80 |
| 8/6/12 | 5:29:31 PM | 0.28 | 224 | 488 | 80 |
| 8/6/12 | 5:30:31 PM | 0.28 | 224 | 488 | 80 |
| 8/6/12 | 5:31:31 PM | 0.28 | 225 | 490 | 80 |
| 8/6/12 | 5:32:31 PM | 0.28 | 226 | 491 | 80 |
| 8/6/12 | 5:33:31 PM | 0.27 | 226 | 490 | 80 |
| 8/6/12 | 5:34:31 PM | 0.28 | 226 | 491 | 79 |
| 8/6/12 | 5:35:31 PM | 0.28 | 226 | 492 | 79 |
| 8/6/12 | 5:36:31 PM | 0.28 | 226 | 492 | 79 |
| 8/6/12 | 5:37:31 PM | 0.28 | 226 | 492 | 80 |
| 8/6/12 | 5:38:31 PM | 0.28 | 226 | 491 | 80 |
| 8/6/12 | 5:39:31 PM | 0.28 | 226 | 492 | 80 |
| 8/6/12 | 5:40:31 PM | 0.28 | 225 | 491 | 80 |
| 8/6/12 | 5:41:31 PM | 0.29 | 223 | 489 | 80 |
| 8/6/12 | 5:42:31 PM | 0.28 | 223 | 488 | 80 |
| 8/6/12 | 5:43:31 PM | 0.28 | 223 | 488 | 80 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 5:44:31 PM | 0.29 | 224 | 493 | 80 |
| 8/6/12 | 5:45:31 PM | 0.29 | 223 | 492 | 80 |
| 8/6/12 | 5:46:31 PM | 0.29 | 222 | 490 | 80 |
| 8/6/12 | 5:47:31 PM | 0.29 | 222 | 488 | 80 |
| 8/6/12 | 5:48:31 PM | 0.29 | 221 | 487 | 80 |
| 8/6/12 | 5:49:31 PM | 0.29 | 219 | 483 | 80 |
| 8/6/12 | 5:50:31 PM | 0.29 | 217 | 479 | 80 |
| 8/6/12 | 5:51:31 PM | 0.29 | 218 | 477 | 80 |
| 8/6/12 | 5:52:31 PM | 0.29 | 219 | 477 | 79 |
| 8/6/12 | 5:53:31 PM | 0.29 | 219 | 481 | 79 |
| 8/6/12 | 5:54:31 PM | 0.28 | 220 | 480 | 79 |
| 8/6/12 | 5:55:31 PM | 0.28 | 220 | 480 | 79 |
| 8/6/12 | 5:56:31 PM | 0.28 | 220 | 481 | 79 |
| 8/6/12 | 5:57:31 PM | 0.29 | 221 | 482 | 79 |
| 8/6/12 | 5:58:31 PM | 0.29 | 221 | 482 | 79 |
| 8/6/12 | 5:59:31 PM | 0.28 | 221 | 485 | 79 |
| 8/6/12 | 6:00:31 PM | 0.29 | 221 | 483 | 79 |
| 8/6/12 | 6:01:31 PM | 0.28 | 221 | 483 | 78 |
| 8/6/12 | 6:02:31 PM | 0.29 | 220 | 481 | 78 |
| 8/6/12 | 6:03:31 PM | 0.29 | 219 | 479 | 78 |
| 8/6/12 | 6:04:31 PM | 0.29 | 218 | 476 | 78 |
| 8/6/12 | 6:05:31 PM | 0.29 | 217 | 475 | 78 |
| 8/6/12 | 6:06:31 PM | 0.29 | 216 | 473 | 78 |
| 8/6/12 | 6:07:31 PM | 0.30 | 215 | 472 | 78 |
| 8/6/12 | 6:08:31 PM | 0.30 | 214 | 469 | 78 |
| 8/6/12 | 6:09:31 PM | 0.30 | 214 | 469 | 77 |
| 8/6/12 | 6:10:31 PM | 0.30 | 214 | 467 | 77 |
| 8/6/12 | 6:11:31 PM | 0.29 | 215 | 470 | 77 |
| 8/6/12 | 6:12:31 PM | 0.29 | 215 | 469 | 77 |
| 8/6/12 | 6:13:31 PM | 0.30 | 214 | 467 | 77 |
| 8/6/12 | 6:14:31 PM | 0.29 | 214 | 468 | 77 |
| 8/6/12 | 6:15:31 PM | 0.29 | 215 | 470 | 77 |
| 8/6/12 | 6:16:31 PM | 0.29 | 215 | 470 | 77 |
| 8/6/12 | 6:17:31 PM | 0.29 | 215 | 472 | 77 |
| 8/6/12 | 6:18:31 PM | 0.30 | 215 | 473 | 77 |
| 8/6/12 | 6:19:31 PM | 0.29 | 215 | 474 | 77 |
| 8/6/12 | 6:20:31 PM | 0.30 | 214 | 472 | 77 |
| 8/6/12 | 6:21:31 PM | 0.29 | 214 | 472 | 77 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 6:22:31 PM | 0.30 | 213 | 467 | 77 |
| 8/6/12 | 6:23:31 PM | 0.30 | 212 | 467 | 77 |
| 8/6/12 | 6:24:31 PM | 0.30 | 212 | 466 | 77 |
| 8/6/12 | 6:25:31 PM | 0.30 | 212 | 463 | 77 |
| 8/6/12 | 6:26:31 PM | 0.29 | 213 | 464 | 77 |
| 8/6/12 | 6:27:31 PM | 0.30 | 213 | 465 | 77 |
| 8/6/12 | 6:28:31 PM | 0.29 | 214 | 467 | 77 |
| 8/6/12 | 6:29:31 PM | 0.30 | 214 | 467 | 77 |
| 8/6/12 | 6:30:31 PM | 0.30 | 213 | 466 | 77 |
| 8/6/12 | 6:31:31 PM | 0.29 | 213 | 465 | 77 |
| 8/6/12 | 6:32:31 PM | 0.30 | 214 | 466 | 77 |
| 8/6/12 | 6:33:31 PM | 0.30 | 214 | 466 | 77 |
| 8/6/12 | 6:34:31 PM | 0.29 | 214 | 467 | 76 |
| 8/6/12 | 6:35:31 PM | 0.29 | 215 | 469 | 76 |
| 8/6/12 | 6:36:31 PM | 0.30 | 215 | 468 | 76 |
| 8/6/12 | 6:37:31 PM | 0.29 | 215 | 469 | 76 |
| 8/6/12 | 6:38:31 PM | 0.29 | 214 | 467 | 76 |
| 8/6/12 | 6:39:31 PM | 0.30 | 214 | 468 | 76 |
| 8/6/12 | 6:40:31 PM | 0.29 | 214 | 467 | 77 |
| 8/6/12 | 6:41:31 PM | 0.29 | 215 | 468 | 77 |
| 8/6/12 | 6:42:31 PM | 0.30 | 216 | 469 | 77 |
| 8/6/12 | 6:43:31 PM | 0.29 | 215 | 468 | 76 |
| 8/6/12 | 6:44:31 PM | 0.29 | 216 | 469 | 76 |
| 8/6/12 | 6:45:31 PM | 0.29 | 215 | 469 | 76 |
| 8/6/12 | 6:46:31 PM | 0.30 | 214 | 469 | 76 |
| 8/6/12 | 6:47:31 PM | 0.30 | 213 | 467 | 76 |
| 8/6/12 | 6:48:31 PM | 0.30 | 213 | 463 | 76 |
| 8/6/12 | 6:49:31 PM | 0.29 | 213 | 463 | 75 |
| 8/6/12 | 6:50:31 PM | 0.30 | 214 | 466 | 75 |
| 8/6/12 | 6:51:31 PM | 0.30 | 214 | 467 | 75 |
| 8/6/12 | 6:52:31 PM | 0.30 | 213 | 465 | 76 |
| 8/6/12 | 6:53:31 PM | 0.30 | 213 | 465 | 76 |
| 8/6/12 | 6:54:31 PM | 0.29 | 213 | 464 | 76 |
| 8/6/12 | 6:55:31 PM | 0.30 | 212 | 462 | 76 |
| 8/6/12 | 6:56:31 PM | 0.30 | 212 | 462 | 76 |
| 8/6/12 | 6:57:31 PM | 0.29 | 212 | 462 | 76 |
| 8/6/12 | 6:58:31 PM | 0.29 | 213 | 465 | 75 |
| 8/6/12 | 6:59:31 PM | 0.29 | 214 | 465 | 75 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 7:00:31 PM | 0.30 | 215 | 467 | 75 |
| 8/6/12 | 7:01:31 PM | 0.29 | 215 | 467 | 75 |
| 8/6/12 | 7:02:31 PM | 0.30 | 214 | 469 | 75 |
| 8/6/12 | 7:03:31 PM | 0.29 | 214 | 466 | 75 |
| 8/6/12 | 7:04:31 PM | 0.30 | 213 | 463 | 74 |
| 8/6/12 | 7:05:31 PM | 0.30 | 213 | 461 | 74 |
| 8/6/12 | 7:06:31 PM | 0.29 | 213 | 462 | 74 |
| 8/6/12 | 7:07:31 PM | 0.30 | 214 | 464 | 75 |
| 8/6/12 | 7:08:31 PM | 0.29 | 215 | 465 | 75 |
| 8/6/12 | 7:09:31 PM | 0.29 | 216 | 466 | 75 |
| 8/6/12 | 7:10:31 PM | 0.30 | 215 | 467 | 75 |
| 8/6/12 | 7:11:31 PM | 0.30 | 216 | 467 | 75 |
| 8/6/12 | 7:12:31 PM | 0.30 | 217 | 467 | 75 |
| 8/6/12 | 7:13:31 PM | 0.30 | 217 | 468 | 75 |
| 8/6/12 | 7:14:31 PM | 0.30 | 217 | 469 | 75 |
| 8/6/12 | 7:15:31 PM | 0.30 | 216 | 467 | 75 |
| 8/6/12 | 7:16:31 PM | 0.30 | 215 | 467 | 75 |
| 8/6/12 | 7:17:31 PM | 0.30 | 216 | 466 | 75 |
| 8/6/12 | 7:18:31 PM | 0.30 | 216 | 465 | 75 |
| 8/6/12 | 7:19:31 PM | 0.30 | 216 | 467 | 74 |
| 8/6/12 | 7:20:31 PM | 0.30 | 216 | 466 | 74 |
| 8/6/12 | 7:21:31 PM | 0.29 | 216 | 464 | 74 |
| 8/6/12 | 7:22:31 PM | 0.29 | 216 | 464 | 75 |
| 8/6/12 | 7:23:31 PM | 0.29 | 216 | 465 | 75 |
| 8/6/12 | 7:24:31 PM | 0.29 | 217 | 468 | 75 |
| 8/6/12 | 7:25:31 PM | 0.30 | 217 | 472 | 74 |
| 8/6/12 | 7:26:31 PM | 0.30 | 216 | 470 | 74 |
| 8/6/12 | 7:27:31 PM | 0.29 | 216 | 467 | 74 |
| 8/6/12 | 7:28:31 PM | 0.30 | 216 | 469 | 74 |
| 8/6/12 | 7:29:31 PM | 0.30 | 216 | 464 | 74 |
| 8/6/12 | 7:30:31 PM | 0.30 | 215 | 462 | 74 |
| 8/6/12 | 7:31:31 PM | 0.30 | 214 | 462 | 74 |
| 8/6/12 | 7:32:31 PM | 0.30 | 214 | 460 | 74 |
| 8/6/12 | 7:33:31 PM | 0.29 | 215 | 462 | 74 |
| 8/6/12 | 7:34:31 PM | 0.29 | 215 | 461 | 74 |
| 8/6/12 | 7:35:31 PM | 0.29 | 216 | 462 | 74 |
| 8/6/12 | 7:36:31 PM | 0.29 | 215 | 464 | 74 |
| 8/6/12 | 7:37:31 PM | 0.29 | 215 | 462 | 74 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 7:38:31 PM | 0.30 | 214 | 461 | 74 |
| 8/6/12 | 7:39:31 PM | 0.30 | 213 | 458 | 74 |
| 8/6/12 | 7:40:31 PM | 0.30 | 212 | 457 | 74 |
| 8/6/12 | 7:41:31 PM | 0.30 | 212 | 458 | 74 |
| 8/6/12 | 7:42:31 PM | 0.30 | 213 | 458 | 74 |
| 8/6/12 | 7:43:31 PM | 0.29 | 213 | 458 | 74 |
| 8/6/12 | 7:44:31 PM | 0.29 | 213 | 457 | 74 |
| 8/6/12 | 7:45:31 PM | 0.30 | 212 | 457 | 74 |
| 8/6/12 | 7:46:31 PM | 0.29 | 212 | 457 | 73 |
| 8/6/12 | 7:47:31 PM | 0.29 | 212 | 458 | 73 |
| 8/6/12 | 7:48:31 PM | 0.30 | 213 | 459 | 73 |
| 8/6/12 | 7:49:31 PM | 0.30 | 213 | 457 | 72 |
| 8/6/12 | 7:50:31 PM | 0.29 | 214 | 458 | 72 |
| 8/6/12 | 7:51:31 PM | 0.29 | 214 | 457 | 72 |
| 8/6/12 | 7:52:31 PM | 0.30 | 213 | 457 | 71 |
| 8/6/12 | 7:53:31 PM | 0.30 | 213 | 456 | 71 |
| 8/6/12 | 7:54:31 PM | 0.29 | 213 | 457 | 71 |
| 8/6/12 | 7:55:31 PM | 0.29 | 214 | 458 | 72 |
| 8/6/12 | 7:56:31 PM | 0.29 | 214 | 459 | 72 |
| 8/6/12 | 7:57:31 PM | 0.29 | 215 | 460 | 72 |
| 8/6/12 | 7:58:31 PM | 0.29 | 215 | 460 | 72 |
| 8/6/12 | 7:59:31 PM | 0.30 | 215 | 458 | 72 |
| 8/6/12 | 8:00:31 PM | 0.30 | 215 | 460 | 72 |
| 8/6/12 | 8:01:31 PM | 0.29 | 215 | 460 | 73 |
| 8/6/12 | 8:02:31 PM | 0.30 | 215 | 461 | 73 |
| 8/6/12 | 8:03:31 PM | 0.30 | 214 | 461 | 73 |
| 8/6/12 | 8:04:31 PM | 0.29 | 214 | 459 | 73 |
| 8/6/12 | 8:05:31 PM | 0.29 | 216 | 462 | 73 |
| 8/6/12 | 8:06:31 PM | 0.29 | 217 | 463 | 73 |
| 8/6/12 | 8:07:31 PM | 0.29 | 218 | 465 | 73 |
| 8/6/12 | 8:08:31 PM | 0.29 | 218 | 468 | 73 |
| 8/6/12 | 8:09:31 PM | 0.29 | 217 | 467 | 73 |
| 8/6/12 | 8:10:31 PM | 0.29 | 217 | 466 | 73 |
| 8/6/12 | 8:11:31 PM | 0.29 | 217 | 463 | 73 |
| 8/6/12 | 8:12:31 PM | 0.29 | 216 | 462 | 73 |
| 8/6/12 | 8:13:31 PM | 0.29 | 217 | 462 | 72 |
| 8/6/12 | 8:14:31 PM | 0.29 | 217 | 462 | 72 |
| 8/6/12 | 8:15:31 PM | 0.29 | 216 | 462 | 72 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 8:16:31 PM | 0.29 | 218 | 465 | 73 |
| 8/6/12 | 8:17:31 PM | 0.29 | 220 | 466 | 73 |
| 8/6/12 | 8:18:31 PM | 0.28 | 220 | 467 | 73 |
| 8/6/12 | 8:19:31 PM | 0.28 | 220 | 468 | 73 |
| 8/6/12 | 8:20:31 PM | 0.29 | 220 | 467 | 73 |
| 8/6/12 | 8:21:31 PM | 0.28 | 220 | 469 | 73 |
| 8/6/12 | 8:22:31 PM | 0.28 | 220 | 472 | 73 |
| 8/6/12 | 8:23:31 PM | 0.29 | 221 | 472 | 73 |
| 8/6/12 | 8:24:31 PM | 0.29 | 221 | 471 | 73 |
| 8/6/12 | 8:25:31 PM | 0.28 | 222 | 472 | 73 |
| 8/6/12 | 8:26:31 PM | 0.29 | 222 | 475 | 73 |
| 8/6/12 | 8:27:31 PM | 0.28 | 221 | 474 | 73 |
| 8/6/12 | 8:28:31 PM | 0.29 | 221 | 474 | 73 |
| 8/6/12 | 8:29:31 PM | 0.29 | 220 | 473 | 73 |
| 8/6/12 | 8:30:31 PM | 0.30 | 218 | 471 | 73 |
| 8/6/12 | 8:31:31 PM | 0.29 | 218 | 467 | 72 |
| 8/6/12 | 8:32:31 PM | 0.29 | 219 | 467 | 72 |
| 8/6/12 | 8:33:31 PM | 0.29 | 218 | 469 | 72 |
| 8/6/12 | 8:34:31 PM | 0.29 | 219 | 469 | 73 |
| 8/6/12 | 8:35:31 PM | 0.29 | 218 | 471 | 73 |
| 8/6/12 | 8:36:31 PM | 0.29 | 219 | 468 | 73 |
| 8/6/12 | 8:37:31 PM | 0.29 | 219 | 469 | 73 |
| 8/6/12 | 8:38:31 PM | 0.29 | 218 | 466 | 73 |
| 8/6/12 | 8:39:31 PM | 0.29 | 217 | 465 | 73 |
| 8/6/12 | 8:40:31 PM | 0.29 | 217 | 463 | 73 |
| 8/6/12 | 8:41:31 PM | 0.29 | 216 | 464 | 73 |
| 8/6/12 | 8:42:31 PM | 0.29 | 217 | 463 | 73 |
| 8/6/12 | 8:43:31 PM | 0.28 | 218 | 466 | 72 |
| 8/6/12 | 8:44:31 PM | 0.29 | 218 | 467 | 72 |
| 8/6/12 | 8:45:31 PM | 0.29 | 218 | 466 | 72 |
| 8/6/12 | 8:46:31 PM | 0.29 | 219 | 467 | 71 |
| 8/6/12 | 8:47:31 PM | 0.28 | 219 | 467 | 71 |
| 8/6/12 | 8:48:31 PM | 0.29 | 218 | 466 | 72 |
| 8/6/12 | 8:49:31 PM | 0.30 | 217 | 465 | 72 |
| 8/6/12 | 8:50:31 PM | 0.30 | 217 | 462 | 72 |
| 8/6/12 | 8:51:31 PM | 0.29 | 216 | 463 | 72 |
| 8/6/12 | 8:52:31 PM | 0.29 | 217 | 463 | 71 |
| 8/6/12 | 8:53:31 PM | 0.29 | 217 | 463 | 71 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 8:54:31 PM | 0.29 | 217 | 463 | 71 |
| 8/6/12 | 8:55:31 PM | 0.29 | 217 | 462 | 71 |
| 8/6/12 | 8:56:31 PM | 0.30 | 217 | 463 | 71 |
| 8/6/12 | 8:57:31 PM | 0.29 | 217 | 463 | 71 |
| 8/6/12 | 8:58:31 PM | 0.29 | 217 | 463 | 71 |
| 8/6/12 | 8:59:31 PM | 0.29 | 217 | 462 | 71 |
| 8/6/12 | 9:00:31 PM | 0.29 | 218 | 462 | 71 |
| 8/6/12 | 9:01:31 PM | 0.29 | 218 | 464 | 71 |
| 8/6/12 | 9:02:31 PM | 0.29 | 219 | 463 | 71 |
| 8/6/12 | 9:03:31 PM | 0.29 | 219 | 467 | 71 |
| 8/6/12 | 9:04:31 PM | 0.28 | 219 | 464 | 71 |
| 8/6/12 | 9:05:31 PM | 0.28 | 220 | 464 | 71 |
| 8/6/12 | 9:06:31 PM | 0.29 | 221 | 467 | 71 |
| 8/6/12 | 9:07:31 PM | 0.28 | 220 | 467 | 71 |
| 8/6/12 | 9:08:31 PM | 0.29 | 221 | 467 | 71 |
| 8/6/12 | 9:09:31 PM | 0.28 | 220 | 466 | 71 |
| 8/6/12 | 9:10:31 PM | 0.29 | 220 | 465 | 71 |
| 8/6/12 | 9:11:31 PM | 0.29 | 221 | 465 | 71 |
| 8/6/12 | 9:12:31 PM | 0.28 | 221 | 466 | 71 |
| 8/6/12 | 9:13:31 PM | 0.28 | 222 | 467 | 71 |
| 8/6/12 | 9:14:31 PM | 0.29 | 222 | 468 | 71 |
| 8/6/12 | 9:15:31 PM | 0.29 | 222 | 468 | 71 |
| 8/6/12 | 9:16:31 PM | 0.28 | 222 | 469 | 71 |
| 8/6/12 | 9:17:31 PM | 0.28 | 223 | 470 | 71 |
| 8/6/12 | 9:18:31 PM | 0.28 | 223 | 472 | 71 |
| 8/6/12 | 9:19:31 PM | 0.28 | 223 | 472 | 71 |
| 8/6/12 | 9:20:31 PM | 0.28 | 223 | 472 | 71 |
| 8/6/12 | 9:21:31 PM | 0.29 | 224 | 472 | 71 |
| 8/6/12 | 9:22:31 PM | 0.28 | 224 | 472 | 71 |
| 8/6/12 | 9:23:31 PM | 0.28 | 224 | 472 | 71 |
| 8/6/12 | 9:24:31 PM | 0.29 | 223 | 471 | 71 |
| 8/6/12 | 9:25:31 PM | 0.29 | 223 | 470 | 71 |
| 8/6/12 | 9:26:31 PM | 0.28 | 224 | 471 | 71 |
| 8/6/12 | 9:27:31 PM | 0.29 | 224 | 472 | 71 |
| 8/6/12 | 9:28:31 PM | 0.28 | 224 | 471 | 71 |
| 8/6/12 | 9:29:31 PM | 0.29 | 224 | 472 | 71 |
| 8/6/12 | 9:30:31 PM | 0.29 | 224 | 472 | 71 |
| 8/6/12 | 9:31:31 PM | 0.28 | 224 | 471 | 71 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 9:32:31 PM | 0.28 | 224 | 471 | 71 |
| 8/6/12 | 9:33:31 PM | 0.28 | 225 | 473 | 71 |
| 8/6/12 | 9:34:31 PM | 0.28 | 225 | 472 | 70 |
| 8/6/12 | 9:35:31 PM | 0.28 | 226 | 472 | 70 |
| 8/6/12 | 9:36:31 PM | 0.28 | 226 | 472 | 70 |
| 8/6/12 | 9:37:31 PM | 0.28 | 226 | 471 | 71 |
| 8/6/12 | 9:38:31 PM | 0.28 | 227 | 473 | 71 |
| 8/6/12 | 9:39:31 PM | 0.28 | 227 | 472 | 70 |
| 8/6/12 | 9:40:31 PM | 0.28 | 226 | 473 | 70 |
| 8/6/12 | 9:41:31 PM | 0.28 | 226 | 473 | 70 |
| 8/6/12 | 9:42:31 PM | 0.28 | 227 | 472 | 70 |
| 8/6/12 | 9:43:31 PM | 0.28 | 227 | 473 | 70 |
| 8/6/12 | 9:44:31 PM | 0.28 | 227 | 474 | 70 |
| 8/6/12 | 9:45:31 PM | 0.28 | 227 | 472 | 70 |
| 8/6/12 | 9:46:31 PM | 0.28 | 227 | 472 | 70 |
| 8/6/12 | 9:47:31 PM | 0.28 | 227 | 473 | 70 |
| 8/6/12 | 9:48:31 PM | 0.28 | 227 | 473 | 70 |
| 8/6/12 | 9:49:31 PM | 0.28 | 228 | 474 | 70 |
| 8/6/12 | 9:50:31 PM | 0.28 | 227 | 478 | 70 |
| 8/6/12 | 9:51:31 PM | 0.28 | 227 | 479 | 70 |
| 8/6/12 | 9:52:31 PM | 0.28 | 227 | 478 | 70 |
| 8/6/12 | 9:53:31 PM | 0.28 | 227 | 477 | 70 |
| 8/6/12 | 9:54:31 PM | 0.28 | 227 | 477 | 70 |
| 8/6/12 | 9:55:31 PM | 0.28 | 227 | 474 | 69 |
| 8/6/12 | 9:56:31 PM | 0.27 | 227 | 473 | 69 |
| 8/6/12 | 9:57:31 PM | 0.28 | 228 | 474 | 69 |
| 8/6/12 | 9:58:31 PM | 0.28 | 228 | 473 | 69 |
| 8/6/12 | 9:59:31 PM | 0.27 | 228 | 473 | 69 |
| 8/6/12 | 10:00:31 PM | 0.28 | 229 | 472 | 69 |
| 8/6/12 | 10:01:31 PM | 0.28 | 228 | 473 | 69 |
| 8/6/12 | 10:02:31 PM | 0.28 | 228 | 472 | 69 |
| 8/6/12 | 10:03:31 PM | 0.28 | 228 | 474 | 69 |
| 8/6/12 | 10:04:31 PM | 0.29 | 228 | 475 | 68 |
| 8/6/12 | 10:05:31 PM | 0.28 | 226 | 475 | 68 |
| 8/6/12 | 10:06:31 PM | 0.28 | 226 | 473 | 69 |
| 8/6/12 | 10:07:31 PM | 0.28 | 226 | 475 | 69 |
| 8/6/12 | 10:08:31 PM | 0.28 | 226 | 473 | 69 |
| 8/6/12 | 10:09:31 PM | 0.28 | 225 | 472 | 69 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 10:10:31 PM | 0.28 | 226 | 472 | 69 |
| 8/6/12 | 10:11:31 PM | 0.28 | 225 | 472 | 69 |
| 8/6/12 | 10:12:31 PM | 0.28 | 226 | 472 | 69 |
| 8/6/12 | 10:13:31 PM | 0.27 | 226 | 472 | 69 |
| 8/6/12 | 10:14:31 PM | 0.28 | 226 | 472 | 69 |
| 8/6/12 | 10:15:31 PM | 0.28 | 226 | 474 | 69 |
| 8/6/12 | 10:16:31 PM | 0.28 | 226 | 473 | 69 |
| 8/6/12 | 10:17:31 PM | 0.28 | 226 | 473 | 69 |
| 8/6/12 | 10:18:31 PM | 0.28 | 226 | 472 | 69 |
| 8/6/12 | 10:19:31 PM | 0.28 | 226 | 473 | 68 |
| 8/6/12 | 10:20:31 PM | 0.28 | 226 | 472 | 68 |
| 8/6/12 | 10:21:31 PM | 0.28 | 226 | 471 | 68 |
| 8/6/12 | 10:22:31 PM | 0.28 | 226 | 472 | 68 |
| 8/6/12 | 10:23:31 PM | 0.28 | 226 | 473 | 68 |
| 8/6/12 | 10:24:31 PM | 0.28 | 226 | 473 | 68 |
| 8/6/12 | 10:25:31 PM | 0.28 | 226 | 472 | 69 |
| 8/6/12 | 10:26:31 PM | 0.28 | 226 | 472 | 69 |
| 8/6/12 | 10:27:31 PM | 0.29 | 226 | 472 | 69 |
| 8/6/12 | 10:28:31 PM | 0.28 | 226 | 468 | 69 |
| 8/6/12 | 10:29:31 PM | 0.28 | 225 | 469 | 69 |
| 8/6/12 | 10:30:31 PM | 0.28 | 225 | 468 | 69 |
| 8/6/12 | 10:31:31 PM | 0.28 | 225 | 471 | 67 |
| 8/6/12 | 10:32:31 PM | 0.28 | 226 | 470 | 67 |
| 8/6/12 | 10:33:31 PM | 0.28 | 226 | 469 | 67 |
| 8/6/12 | 10:34:31 PM | 0.28 | 226 | 471 | 66 |
| 8/6/12 | 10:35:31 PM | 0.28 | 227 | 472 | 66 |
| 8/6/12 | 10:36:31 PM | 0.28 | 227 | 473 | 66 |
| 8/6/12 | 10:37:31 PM | 0.28 | 226 | 475 | 67 |
| 8/6/12 | 10:38:31 PM | 0.28 | 226 | 475 | 67 |
| 8/6/12 | 10:39:31 PM | 0.28 | 227 | 477 | 67 |
| 8/6/12 | 10:40:31 PM | 0.28 | 226 | 477 | 67 |
| 8/6/12 | 10:41:31 PM | 0.28 | 227 | 477 | 67 |
| 8/6/12 | 10:42:31 PM | 0.28 | 227 | 477 | 67 |
| 8/6/12 | 10:43:31 PM | 0.28 | 228 | 478 | 67 |
| 8/6/12 | 10:44:31 PM | 0.28 | 228 | 478 | 67 |
| 8/6/12 | 10:45:31 PM | 0.28 | 227 | 478 | 67 |
| 8/6/12 | 10:46:31 PM | 0.28 | 227 | 477 | 68 |
| 8/6/12 | 10:47:31 PM | 0.28 | 227 | 478 | 68 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 10:48:31 PM | 0.28 | 228 | 478 | 68 |
| 8/6/12 | 10:49:31 PM | 0.28 | 227 | 478 | 67 |
| 8/6/12 | 10:50:31 PM | 0.28 | 227 | 478 | 67 |
| 8/6/12 | 10:51:31 PM | 0.28 | 228 | 478 | 68 |
| 8/6/12 | 10:52:31 PM | 0.28 | 228 | 477 | 68 |
| 8/6/12 | 10:53:31 PM | 0.28 | 227 | 477 | 68 |
| 8/6/12 | 10:54:31 PM | 0.28 | 227 | 477 | 68 |
| 8/6/12 | 10:55:31 PM | 0.28 | 227 | 478 | 67 |
| 8/6/12 | 10:56:31 PM | 0.28 | 228 | 478 | 67 |
| 8/6/12 | 10:57:31 PM | 0.28 | 227 | 477 | 67 |
| 8/6/12 | 10:58:31 PM | 0.27 | 228 | 478 | 67 |
| 8/6/12 | 10:59:31 PM | 0.28 | 228 | 481 | 67 |
| 8/6/12 | 11:00:31 PM | 0.28 | 228 | 478 | 67 |
| 8/6/12 | 11:01:31 PM | 0.28 | 228 | 478 | 67 |
| 8/6/12 | 11:02:31 PM | 0.28 | 228 | 477 | 67 |
| 8/6/12 | 11:03:31 PM | 0.28 | 228 | 478 | 67 |
| 8/6/12 | 11:04:31 PM | 0.28 | 229 | 479 | 67 |
| 8/6/12 | 11:05:31 PM | 0.28 | 229 | 480 | 67 |
| 8/6/12 | 11:06:31 PM | 0.28 | 228 | 477 | 67 |
| 8/6/12 | 11:07:31 PM | 0.28 | 228 | 482 | 67 |
| 8/6/12 | 11:08:31 PM | 0.28 | 228 | 480 | 67 |
| 8/6/12 | 11:09:31 PM | 0.28 | 228 | 479 | 67 |
| 8/6/12 | 11:10:31 PM | 0.28 | 229 | 479 | 67 |
| 8/6/12 | 11:11:31 PM | 0.28 | 228 | 477 | 67 |
| 8/6/12 | 11:12:31 PM | 0.28 | 228 | 477 | 67 |
| 8/6/12 | 11:13:31 PM | 0.28 | 228 | 476 | 67 |
| 8/6/12 | 11:14:31 PM | 0.28 | 228 | 477 | 67 |
| 8/6/12 | 11:15:31 PM | 0.28 | 229 | 477 | 67 |
| 8/6/12 | 11:16:31 PM | 0.28 | 228 | 475 | 67 |
| 8/6/12 | 11:17:31 PM | 0.28 | 229 | 476 | 67 |
| 8/6/12 | 11:18:31 PM | 0.28 | 228 | 476 | 67 |
| 8/6/12 | 11:19:31 PM | 0.28 | 228 | 477 | 67 |
| 8/6/12 | 11:20:31 PM | 0.28 | 228 | 475 | 67 |
| 8/6/12 | 11:21:31 PM | 0.28 | 228 | 474 | 67 |
| 8/6/12 | 11:22:31 PM | 0.28 | 228 | 475 | 67 |
| 8/6/12 | 11:23:31 PM | 0.28 | 228 | 474 | 67 |
| 8/6/12 | 11:24:31 PM | 0.28 | 228 | 474 | 66 |
| 8/6/12 | 11:25:31 PM | 0.28 | 228 | 476 | 65 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **06-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **06-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/6/12 | 11:26:31 PM | 0.28 | 228 | 476 | 65 |
| 8/6/12 | 11:27:31 PM | 0.28 | 228 | 477 | 65 |
| 8/6/12 | 11:28:31 PM | 0.28 | 228 | 476 | 66 |
| 8/6/12 | 11:29:31 PM | 0.28 | 227 | 474 | 66 |
| 8/6/12 | 11:30:31 PM | 0.28 | 227 | 475 | 66 |
| 8/6/12 | 11:31:31 PM | 0.28 | 227 | 475 | 65 |
| 8/6/12 | 11:32:31 PM | 0.28 | 227 | 477 | 65 |
| 8/6/12 | 11:33:31 PM | 0.28 | 227 | 476 | 65 |
| 8/6/12 | 11:34:31 PM | 0.28 | 227 | 477 | 64 |
| 8/6/12 | 11:35:31 PM | 0.28 | 227 | 478 | 64 |
| 8/6/12 | 11:36:31 PM | 0.28 | 227 | 477 | 64 |
| 8/6/12 | 11:37:31 PM | 0.28 | 227 | 478 | 64 |
| 8/6/12 | 11:38:31 PM | 0.28 | 227 | 477 | 64 |
| 8/6/12 | 11:39:31 PM | 0.28 | 227 | 478 | 65 |
| 8/6/12 | 11:40:31 PM | 0.28 | 228 | 477 | 66 |
| 8/6/12 | 11:41:31 PM | 0.28 | 228 | 477 | 66 |
| 8/6/12 | 11:42:31 PM | 0.28 | 228 | 477 | 66 |
| 8/6/12 | 11:43:31 PM | 0.28 | 229 | 477 | 66 |
| 8/6/12 | 11:44:31 PM | 0.28 | 229 | 479 | 66 |
| 8/6/12 | 11:45:31 PM | 0.28 | 229 | 478 | 66 |
| 8/6/12 | 11:46:31 PM | 0.28 | 230 | 481 | 66 |
| 8/6/12 | 11:47:31 PM | 0.28 | 231 | 479 | 66 |
| 8/6/12 | 11:48:31 PM | 0.28 | 230 | 481 | 66 |
| 8/6/12 | 11:49:31 PM | 0.28 | 230 | 478 | 66 |
| 8/6/12 | 11:50:31 PM | 0.28 | 231 | 478 | 66 |
| 8/6/12 | 11:51:31 PM | 0.28 | 230 | 479 | 66 |
| 8/6/12 | 11:52:31 PM | 0.28 | 230 | 478 | 67 |
| 8/6/12 | 11:53:31 PM | 0.28 | 230 | 481 | 67 |
| 8/6/12 | 11:54:31 PM | 0.28 | 230 | 480 | 67 |
| 8/6/12 | 11:55:31 PM | 0.28 | 231 | 481 | 66 |
| 8/6/12 | 11:56:31 PM | 0.28 | 231 | 478 | 66 |
| 8/6/12 | 11:57:31 PM | 0.27 | 231 | 480 | 66 |
| 8/6/12 | 11:58:31 PM | 0.28 | 231 | 480 | 66 |
| 8/6/12 | 11:59:31 PM | 0.28 | 231 | 479 | 66 |
| | | | CH4 data invalid. 10 ppm assigned as daily average | | |
| Averages | | 0.28 | 224 | 465 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/7/12 12:00:31 AM | 0.28 | 231 | 478 | 66 |
| 8/7/12 12:01:31 AM | 0.28 | 231 | 477 | 66 |
| 8/7/12 12:02:31 AM | 0.28 | 231 | 477 | 66 |
| 8/7/12 12:03:31 AM | 0.28 | 231 | 480 | 66 |
| 8/7/12 12:04:31 AM | 0.27 | 232 | 477 | 66 |
| 8/7/12 12:05:31 AM | 0.28 | 231 | 477 | 66 |
| 8/7/12 12:06:31 AM | 0.28 | 231 | 478 | 66 |
| 8/7/12 12:07:31 AM | 0.28 | 230 | 479 | 65 |
| 8/7/12 12:08:31 AM | 0.28 | 231 | 481 | 65 |
| 8/7/12 12:09:31 AM | 0.28 | 231 | 480 | 65 |
| 8/7/12 12:10:31 AM | 0.28 | 231 | 481 | 65 |
| 8/7/12 12:11:31 AM | 0.28 | 231 | 479 | 65 |
| 8/7/12 12:12:31 AM | 0.28 | 232 | 478 | 65 |
| 8/7/12 12:13:31 AM | 0.28 | 232 | 478 | 65 |
| 8/7/12 12:14:31 AM | 0.28 | 232 | 479 | 65 |
| 8/7/12 12:15:31 AM | 0.28 | 232 | 478 | 65 |
| 8/7/12 12:16:31 AM | 0.28 | 232 | 478 | 65 |
| 8/7/12 12:17:31 AM | 0.27 | 232 | 477 | 65 |
| 8/7/12 12:18:31 AM | 0.28 | 232 | 478 | 65 |
| 8/7/12 12:19:31 AM | 0.28 | 233 | 478 | 65 |
| 8/7/12 12:20:31 AM | 0.28 | 232 | 477 | 65 |
| 8/7/12 12:21:31 AM | 0.27 | 232 | 478 | 65 |
| 8/7/12 12:22:31 AM | 0.27 | 232 | 478 | 65 |
| 8/7/12 12:23:31 AM | 0.28 | 233 | 479 | 65 |
| 8/7/12 12:24:31 AM | 0.27 | 233 | 480 | 64 |
| 8/7/12 12:25:31 AM | 0.28 | 233 | 481 | 64 |
| 8/7/12 12:26:31 AM | 0.28 | 232 | 480 | 64 |
| 8/7/12 12:27:31 AM | 0.28 | 233 | 482 | 64 |
| 8/7/12 12:28:31 AM | 0.28 | 232 | 480 | 64 |
| 8/7/12 12:29:31 AM | 0.28 | 232 | 481 | 64 |
| 8/7/12 12:30:31 AM | 0.28 | 232 | 480 | 64 |
| 8/7/12 12:31:31 AM | 0.28 | 231 | 477 | 63 |
| 8/7/12 12:32:31 AM | 0.28 | 231 | 478 | 63 |
| 8/7/12 12:33:31 AM | 0.28 | 231 | 479 | 63 |
| 8/7/12 12:34:31 AM | 0.28 | 230 | 478 | 63 |
| 8/7/12 12:35:31 AM | 0.28 | 231 | 479 | 63 |
| 8/7/12 12:36:31 AM | 0.28 | 231 | 481 | 63 |
| 8/7/12 12:37:31 AM | 0.28 | 231 | 482 | 64 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/7/12 12:38:31 AM | 0.27 | 232 | 485 | 64 |
| 8/7/12 12:39:31 AM | 0.28 | 233 | 483 | 64 |
| 8/7/12 12:40:31 AM | 0.28 | 232 | 484 | 64 |
| 8/7/12 12:41:31 AM | 0.28 | 233 | 484 | 64 |
| 8/7/12 12:42:31 AM | 0.27 | 232 | 484 | 64 |
| 8/7/12 12:43:31 AM | 0.28 | 232 | 483 | 64 |
| 8/7/12 12:44:31 AM | 0.28 | 232 | 485 | 64 |
| 8/7/12 12:45:31 AM | 0.28 | 232 | 484 | 64 |
| 8/7/12 12:46:31 AM | 0.28 | 232 | 484 | 64 |
| 8/7/12 12:47:31 AM | 0.28 | 232 | 483 | 64 |
| 8/7/12 12:48:31 AM | 0.28 | 233 | 484 | 64 |
| 8/7/12 12:49:31 AM | 0.28 | 232 | 484 | 64 |
| 8/7/12 12:50:31 AM | 0.28 | 233 | 485 | 64 |
| 8/7/12 12:51:31 AM | 0.27 | 232 | 485 | 64 |
| 8/7/12 12:52:31 AM | 0.28 | 232 | 487 | 65 |
| 8/7/12 12:53:31 AM | 0.28 | 232 | 486 | 65 |
| 8/7/12 12:54:31 AM | 0.27 | 232 | 484 | 65 |
| 8/7/12 12:55:31 AM | 0.28 | 232 | 483 | 64 |
| 8/7/12 12:56:31 AM | 0.28 | 232 | 483 | 64 |
| 8/7/12 12:57:31 AM | 0.28 | 232 | 482 | 64 |
| 8/7/12 12:58:31 AM | 0.28 | 232 | 483 | 63 |
| 8/7/12 12:59:31 AM | 0.27 | 232 | 485 | 63 |
| 8/7/12 1:00:31 AM | 0.27 | 232 | 485 | 63 |
| 8/7/12 1:01:31 AM | 0.28 | 231 | 486 | 63 |
| 8/7/12 1:02:31 AM | 0.28 | 232 | 486 | 63 |
| 8/7/12 1:03:31 AM | 0.28 | 231 | 486 | 63 |
| 8/7/12 1:04:31 AM | 0.28 | 230 | 485 | 63 |
| 8/7/12 1:05:31 AM | 0.28 | 229 | 485 | 63 |
| 8/7/12 1:06:31 AM | 0.28 | 229 | 485 | 63 |
| 8/7/12 1:07:31 AM | 0.28 | 229 | 485 | 63 |
| 8/7/12 1:08:31 AM | 0.27 | 229 | 486 | 63 |
| 8/7/12 1:09:31 AM | 0.28 | 229 | 484 | 63 |
| 8/7/12 1:10:31 AM | 0.28 | 229 | 484 | 64 |
| 8/7/12 1:11:31 AM | 0.28 | 230 | 483 | 64 |
| 8/7/12 1:12:31 AM | 0.28 | 229 | 482 | 64 |
| 8/7/12 1:13:31 AM | 0.28 | 229 | 483 | 64 |
| 8/7/12 1:14:31 AM | 0.28 | 229 | 481 | 64 |
| 8/7/12 1:15:31 AM | 0.28 | 229 | 481 | 64 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 1:16:31 AM | 0.28 | 229 | 478 | 64 |
| 8/7/12 | 1:17:31 AM | 0.28 | 229 | 478 | 64 |
| 8/7/12 | 1:18:31 AM | 0.28 | 230 | 478 | 64 |
| 8/7/12 | 1:19:31 AM | 0.28 | 230 | 481 | 65 |
| 8/7/12 | 1:20:31 AM | 0.27 | 231 | 481 | 65 |
| 8/7/12 | 1:21:31 AM | 0.28 | 231 | 480 | 65 |
| 8/7/12 | 1:22:31 AM | 0.28 | 230 | 480 | 65 |
| 8/7/12 | 1:23:31 AM | 0.28 | 230 | 480 | 65 |
| 8/7/12 | 1:24:31 AM | 0.28 | 230 | 479 | 65 |
| 8/7/12 | 1:25:31 AM | 0.28 | 229 | 477 | 65 |
| 8/7/12 | 1:26:31 AM | 0.28 | 229 | 478 | 65 |
| 8/7/12 | 1:27:31 AM | 0.27 | 228 | 478 | 65 |
| 8/7/12 | 1:28:31 AM | 0.27 | 228 | 475 | 64 |
| 8/7/12 | 1:29:31 AM | 0.28 | 228 | 475 | 64 |
| 8/7/12 | 1:30:31 AM | 0.28 | 229 | 474 | 64 |
| 8/7/12 | 1:31:31 AM | 0.28 | 229 | 473 | 64 |
| 8/7/12 | 1:32:31 AM | 0.27 | 229 | 473 | 64 |
| 8/7/12 | 1:33:31 AM | 0.27 | 230 | 474 | 64 |
| 8/7/12 | 1:34:31 AM | 0.27 | 230 | 475 | 64 |
| 8/7/12 | 1:35:31 AM | 0.27 | 230 | 474 | 64 |
| 8/7/12 | 1:36:31 AM | 0.28 | 231 | 475 | 63 |
| 8/7/12 | 1:37:31 AM | 0.27 | 231 | 475 | 63 |
| 8/7/12 | 1:38:31 AM | 0.27 | 232 | 477 | 63 |
| 8/7/12 | 1:39:31 AM | 0.28 | 232 | 478 | 63 |
| 8/7/12 | 1:40:31 AM | 0.27 | 232 | 482 | 63 |
| 8/7/12 | 1:41:31 AM | 0.27 | 232 | 482 | 63 |
| 8/7/12 | 1:42:31 AM | 0.27 | 232 | 481 | 63 |
| 8/7/12 | 1:43:31 AM | 0.27 | 232 | 482 | 62 |
| 8/7/12 | 1:44:31 AM | 0.28 | 232 | 482 | 62 |
| 8/7/12 | 1:45:31 AM | 0.28 | 231 | 482 | 62 |
| 8/7/12 | 1:46:31 AM | 0.28 | 231 | 483 | 62 |
| 8/7/12 | 1:47:31 AM | 0.27 | 231 | 486 | 62 |
| 8/7/12 | 1:48:31 AM | 0.27 | 232 | 484 | 62 |
| 8/7/12 | 1:49:31 AM | 0.28 | 232 | 485 | 63 |
| 8/7/12 | 1:50:31 AM | 0.28 | 232 | 483 | 63 |
| 8/7/12 | 1:51:31 AM | 0.27 | 232 | 484 | 63 |
| 8/7/12 | 1:52:31 AM | 0.28 | 233 | 483 | 64 |
| 8/7/12 | 1:53:31 AM | 0.27 | 233 | 485 | 64 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 1:54:31 AM | 0.27 | 233 | 486 | 64 |
| 8/7/12 | 1:55:31 AM | 0.28 | 233 | 484 | 64 |
| 8/7/12 | 1:56:31 AM | 0.28 | 233 | 484 | 64 |
| 8/7/12 | 1:57:31 AM | 0.28 | 233 | 485 | 64 |
| 8/7/12 | 1:58:31 AM | 0.27 | 232 | 484 | 64 |
| 8/7/12 | 1:59:31 AM | 0.27 | 232 | 483 | 64 |
| 8/7/12 | 2:00:31 AM | 0.28 | 232 | 483 | 64 |
| 8/7/12 | 2:01:31 AM | 0.28 | 232 | 482 | 64 |
| 8/7/12 | 2:02:31 AM | 0.27 | 232 | 481 | 64 |
| 8/7/12 | 2:03:31 AM | 0.28 | 232 | 482 | 64 |
| 8/7/12 | 2:04:31 AM | 0.28 | 232 | 481 | 64 |
| 8/7/12 | 2:05:31 AM | 0.28 | 232 | 481 | 64 |
| 8/7/12 | 2:06:31 AM | 0.28 | 233 | 481 | 64 |
| 8/7/12 | 2:07:31 AM | 0.28 | 232 | 480 | 63 |
| 8/7/12 | 2:08:31 AM | 0.28 | 232 | 481 | 63 |
| 8/7/12 | 2:09:31 AM | 0.28 | 232 | 481 | 63 |
| 8/7/12 | 2:10:31 AM | 0.28 | 231 | 481 | 62 |
| 8/7/12 | 2:11:31 AM | 0.28 | 231 | 481 | 62 |
| 8/7/12 | 2:12:31 AM | 0.28 | 230 | 480 | 62 |
| 8/7/12 | 2:13:31 AM | 0.28 | 230 | 479 | 62 |
| 8/7/12 | 2:14:31 AM | 0.28 | 229 | 482 | 62 |
| 8/7/12 | 2:15:31 AM | 0.28 | 229 | 481 | 62 |
| 8/7/12 | 2:16:31 AM | 0.28 | 229 | 481 | 62 |
| 8/7/12 | 2:17:31 AM | 0.28 | 229 | 482 | 62 |
| 8/7/12 | 2:18:31 AM | 0.28 | 229 | 482 | 62 |
| 8/7/12 | 2:19:31 AM | 0.27 | 228 | 480 | 62 |
| 8/7/12 | 2:20:31 AM | 0.28 | 228 | 482 | 62 |
| 8/7/12 | 2:21:31 AM | 0.28 | 229 | 480 | 62 |
| 8/7/12 | 2:22:31 AM | 0.28 | 229 | 484 | 63 |
| 8/7/12 | 2:23:31 AM | 0.28 | 228 | 481 | 63 |
| 8/7/12 | 2:24:31 AM | 0.28 | 229 | 479 | 63 |
| 8/7/12 | 2:25:31 AM | 0.28 | 229 | 479 | 64 |
| 8/7/12 | 2:26:31 AM | 0.28 | 228 | 479 | 64 |
| 8/7/12 | 2:27:31 AM | 0.28 | 228 | 476 | 64 |
| 8/7/12 | 2:28:31 AM | 0.28 | 228 | 477 | 63 |
| 8/7/12 | 2:29:31 AM | 0.27 | 227 | 476 | 63 |
| 8/7/12 | 2:30:31 AM | 0.28 | 227 | 472 | 63 |
| 8/7/12 | 2:31:31 AM | 0.28 | 227 | 472 | 63 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 2:32:31 AM | 0.28 | 227 | 471 | 63 |
| 8/7/12 | 2:33:31 AM | 0.27 | 228 | 471 | 63 |
| 8/7/12 | 2:34:31 AM | 0.28 | 227 | 469 | 64 |
| 8/7/12 | 2:35:31 AM | 0.28 | 228 | 468 | 64 |
| 8/7/12 | 2:36:31 AM | 0.28 | 229 | 470 | 64 |
| 8/7/12 | 2:37:31 AM | 0.27 | 229 | 470 | 64 |
| 8/7/12 | 2:38:31 AM | 0.28 | 229 | 469 | 64 |
| 8/7/12 | 2:39:31 AM | 0.27 | 230 | 470 | 63 |
| 8/7/12 | 2:40:31 AM | 0.28 | 230 | 472 | 62 |
| 8/7/12 | 2:41:31 AM | 0.27 | 230 | 472 | 62 |
| 8/7/12 | 2:42:31 AM | 0.28 | 231 | 473 | 62 |
| 8/7/12 | 2:43:31 AM | 0.28 | 231 | 472 | 62 |
| 8/7/12 | 2:44:31 AM | 0.28 | 231 | 473 | 62 |
| 8/7/12 | 2:45:31 AM | 0.27 | 232 | 476 | 62 |
| 8/7/12 | 2:46:31 AM | 0.27 | 231 | 476 | 62 |
| 8/7/12 | 2:47:31 AM | 0.27 | 231 | 477 | 62 |
| 8/7/12 | 2:48:31 AM | 0.28 | 231 | 477 | 62 |
| 8/7/12 | 2:49:31 AM | 0.27 | 232 | 479 | 62 |
| 8/7/12 | 2:50:31 AM | 0.28 | 231 | 480 | 62 |
| 8/7/12 | 2:51:31 AM | 0.28 | 231 | 480 | 62 |
| 8/7/12 | 2:52:31 AM | 0.28 | 230 | 482 | 62 |
| 8/7/12 | 2:53:31 AM | 0.28 | 230 | 483 | 62 |
| 8/7/12 | 2:54:31 AM | 0.28 | 231 | 481 | 62 |
| 8/7/12 | 2:55:31 AM | 0.28 | 231 | 482 | 63 |
| 8/7/12 | 2:56:31 AM | 0.28 | 231 | 481 | 63 |
| 8/7/12 | 2:57:31 AM | 0.28 | 231 | 481 | 63 |
| 8/7/12 | 2:58:31 AM | 0.28 | 231 | 483 | 63 |
| 8/7/12 | 2:59:31 AM | 0.28 | 231 | 480 | 63 |
| 8/7/12 | 3:00:31 AM | 0.28 | 231 | 482 | 63 |
| 8/7/12 | 3:01:31 AM | 0.28 | 231 | 478 | 63 |
| 8/7/12 | 3:02:31 AM | 0.28 | 231 | 478 | 63 |
| 8/7/12 | 3:03:31 AM | 0.28 | 230 | 478 | 63 |
| 8/7/12 | 3:04:31 AM | 0.28 | 230 | 477 | 63 |
| 8/7/12 | 3:05:31 AM | 0.28 | 231 | 477 | 63 |
| 8/7/12 | 3:06:31 AM | 0.28 | 231 | 478 | 63 |
| 8/7/12 | 3:07:31 AM | 0.28 | 231 | 477 | 64 |
| 8/7/12 | 3:08:31 AM | 0.27 | 231 | 478 | 64 |
| 8/7/12 | 3:09:31 AM | 0.27 | 231 | 477 | 63 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 3:10:31 AM | 0.28 | 232 | 477 | 62 |
| 8/7/12 | 3:11:31 AM | 0.27 | 232 | 477 | 62 |
| 8/7/12 | 3:12:31 AM | 0.28 | 233 | 478 | 62 |
| 8/7/12 | 3:13:31 AM | 0.27 | 233 | 480 | 62 |
| 8/7/12 | 3:14:31 AM | 0.27 | 233 | 481 | 62 |
| 8/7/12 | 3:15:31 AM | 0.28 | 233 | 482 | 62 |
| 8/7/12 | 3:16:31 AM | 0.28 | 233 | 482 | 62 |
| 8/7/12 | 3:17:31 AM | 0.28 | 233 | 484 | 62 |
| 8/7/12 | 3:18:31 AM | 0.28 | 232 | 485 | 62 |
| 8/7/12 | 3:19:31 AM | 0.27 | 231 | 484 | 62 |
| 8/7/12 | 3:20:31 AM | 0.27 | 231 | 483 | 62 |
| 8/7/12 | 3:21:31 AM | 0.27 | 231 | 481 | 62 |
| 8/7/12 | 3:22:31 AM | 0.27 | 230 | 480 | 61 |
| 8/7/12 | 3:23:31 AM | 0.28 | 230 | 479 | 61 |
| 8/7/12 | 3:24:31 AM | 0.27 | 229 | 478 | 62 |
| 8/7/12 | 3:25:31 AM | 0.28 | 229 | 476 | 62 |
| 8/7/12 | 3:26:31 AM | 0.27 | 229 | 475 | 62 |
| 8/7/12 | 3:27:31 AM | 0.28 | 229 | 474 | 62 |
| 8/7/12 | 3:28:31 AM | 0.27 | 229 | 473 | 62 |
| 8/7/12 | 3:29:31 AM | 0.28 | 229 | 472 | 62 |
| 8/7/12 | 3:30:31 AM | 0.27 | 229 | 474 | 62 |
| 8/7/12 | 3:31:31 AM | 0.28 | 229 | 476 | 63 |
| 8/7/12 | 3:32:31 AM | 0.28 | 229 | 475 | 63 |
| 8/7/12 | 3:33:31 AM | 0.28 | 229 | 473 | 63 |
| 8/7/12 | 3:34:31 AM | 0.28 | 229 | 475 | 63 |
| 8/7/12 | 3:35:31 AM | 0.28 | 228 | 474 | 63 |
| 8/7/12 | 3:36:31 AM | 0.28 | 229 | 474 | 63 |
| 8/7/12 | 3:37:31 AM | 0.28 | 229 | 473 | 63 |
| 8/7/12 | 3:38:31 AM | 0.28 | 229 | 473 | 63 |
| 8/7/12 | 3:39:31 AM | 0.28 | 229 | 473 | 62 |
| 8/7/12 | 3:40:31 AM | 0.27 | 228 | 474 | 62 |
| 8/7/12 | 3:41:31 AM | 0.28 | 228 | 473 | 62 |
| 8/7/12 | 3:42:31 AM | 0.28 | 228 | 473 | 62 |
| 8/7/12 | 3:43:31 AM | 0.28 | 228 | 474 | 61 |
| 8/7/12 | 3:44:31 AM | 0.28 | 228 | 475 | 61 |
| 8/7/12 | 3:45:31 AM | 0.28 | 229 | 476 | 61 |
| 8/7/12 | 3:46:31 AM | 0.28 | 229 | 477 | 61 |
| 8/7/12 | 3:47:31 AM | 0.28 | 229 | 478 | 61 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 3:48:31 AM | 0.28 | 230 | 478 | 61 |
| 8/7/12 | 3:49:31 AM | 0.28 | 230 | 479 | 61 |
| 8/7/12 | 3:50:31 AM | 0.27 | 230 | 480 | 61 |
| 8/7/12 | 3:51:31 AM | 0.28 | 230 | 483 | 61 |
| 8/7/12 | 3:52:31 AM | 0.28 | 230 | 483 | 62 |
| 8/7/12 | 3:53:31 AM | 0.28 | 229 | 482 | 62 |
| 8/7/12 | 3:54:31 AM | 0.28 | 229 | 482 | 62 |
| 8/7/12 | 3:55:31 AM | 0.28 | 228 | 482 | 62 |
| 8/7/12 | 3:56:31 AM | 0.28 | 228 | 480 | 62 |
| 8/7/12 | 3:57:31 AM | 0.28 | 228 | 481 | 62 |
| 8/7/12 | 3:58:31 AM | 0.28 | 228 | 478 | 62 |
| 8/7/12 | 3:59:31 AM | 0.28 | 228 | 479 | 62 |
| 8/7/12 | 4:00:31 AM | 0.28 | 229 | 479 | 62 |
| 8/7/12 | 4:01:31 AM | 0.28 | 229 | 478 | 62 |
| 8/7/12 | 4:02:31 AM | 0.28 | 230 | 479 | 62 |
| 8/7/12 | 4:03:31 AM | 0.28 | 229 | 477 | 62 |
| 8/7/12 | 4:04:31 AM | 0.28 | 230 | 478 | 62 |
| 8/7/12 | 4:05:31 AM | 0.28 | 230 | 477 | 62 |
| 8/7/12 | 4:06:31 AM | 0.28 | 229 | 477 | 62 |
| 8/7/12 | 4:07:31 AM | 0.28 | 229 | 478 | 62 |
| 8/7/12 | 4:08:31 AM | 0.28 | 229 | 478 | 62 |
| 8/7/12 | 4:09:31 AM | 0.28 | 229 | 477 | 62 |
| 8/7/12 | 4:10:31 AM | 0.28 | 228 | 477 | 62 |
| 8/7/12 | 4:11:31 AM | 0.28 | 228 | 476 | 62 |
| 8/7/12 | 4:12:31 AM | 0.28 | 227 | 478 | 61 |
| 8/7/12 | 4:13:31 AM | 0.28 | 228 | 476 | 61 |
| 8/7/12 | 4:14:31 AM | 0.28 | 228 | 477 | 61 |
| 8/7/12 | 4:15:31 AM | 0.28 | 229 | 478 | 61 |
| 8/7/12 | 4:16:31 AM | 0.28 | 229 | 479 | 60 |
| 8/7/12 | 4:17:31 AM | 0.28 | 229 | 479 | 60 |
| 8/7/12 | 4:18:31 AM | 0.28 | 229 | 480 | 60 |
| 8/7/12 | 4:19:31 AM | 0.28 | 228 | 480 | 61 |
| 8/7/12 | 4:20:31 AM | 0.28 | 227 | 480 | 61 |
| 8/7/12 | 4:21:31 AM | 0.28 | 227 | 479 | 61 |
| 8/7/12 | 4:22:31 AM | 0.28 | 226 | 479 | 61 |
| 8/7/12 | 4:23:31 AM | 0.28 | 226 | 479 | 61 |
| 8/7/12 | 4:24:31 AM | 0.28 | 226 | 480 | 61 |
| 8/7/12 | 4:25:31 AM | 0.28 | 227 | 481 | 61 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 4:26:31 AM | 0.28 | 227 | 479 | 61 |
| 8/7/12 | 4:27:31 AM | 0.28 | 227 | 480 | 61 |
| 8/7/12 | 4:28:31 AM | 0.28 | 227 | 479 | 61 |
| 8/7/12 | 4:29:31 AM | 0.28 | 227 | 479 | 61 |
| 8/7/12 | 4:30:31 AM | 0.28 | 226 | 480 | 61 |
| 8/7/12 | 4:31:31 AM | 0.27 | 226 | 479 | 62 |
| 8/7/12 | 4:32:31 AM | 0.28 | 226 | 478 | 62 |
| 8/7/12 | 4:33:31 AM | 0.28 | 225 | 477 | 62 |
| 8/7/12 | 4:34:31 AM | 0.28 | 226 | 478 | 62 |
| 8/7/12 | 4:35:31 AM | 0.28 | 226 | 478 | 62 |
| 8/7/12 | 4:36:31 AM | 0.28 | 226 | 477 | 62 |
| 8/7/12 | 4:37:31 AM | 0.28 | 227 | 477 | 62 |
| 8/7/12 | 4:38:31 AM | 0.28 | 227 | 477 | 62 |
| 8/7/12 | 4:39:31 AM | 0.28 | 227 | 477 | 61 |
| 8/7/12 | 4:40:31 AM | 0.28 | 226 | 477 | 61 |
| 8/7/12 | 4:41:31 AM | 0.28 | 227 | 477 | 61 |
| 8/7/12 | 4:42:31 AM | 0.28 | 227 | 477 | 61 |
| 8/7/12 | 4:43:31 AM | 0.28 | 228 | 477 | 61 |
| 8/7/12 | 4:44:31 AM | 0.28 | 229 | 477 | 61 |
| 8/7/12 | 4:45:31 AM | 0.28 | 229 | 478 | 61 |
| 8/7/12 | 4:46:31 AM | 0.28 | 229 | 478 | 61 |
| 8/7/12 | 4:47:31 AM | 0.27 | 230 | 479 | 61 |
| 8/7/12 | 4:48:31 AM | 0.28 | 230 | 480 | 61 |
| 8/7/12 | 4:49:31 AM | 0.27 | 231 | 482 | 60 |
| 8/7/12 | 4:50:31 AM | 0.27 | 231 | 482 | 60 |
| 8/7/12 | 4:51:31 AM | 0.28 | 231 | 482 | 60 |
| 8/7/12 | 4:52:31 AM | 0.27 | 231 | 484 | 60 |
| 8/7/12 | 4:53:31 AM | 0.27 | 231 | 483 | 60 |
| 8/7/12 | 4:54:31 AM | 0.28 | 231 | 482 | 60 |
| 8/7/12 | 4:55:31 AM | 0.27 | 230 | 482 | 60 |
| 8/7/12 | 4:56:31 AM | 0.28 | 230 | 482 | 60 |
| 8/7/12 | 4:57:31 AM | 0.28 | 229 | 481 | 60 |
| 8/7/12 | 4:58:31 AM | 0.28 | 229 | 480 | 61 |
| 8/7/12 | 4:59:31 AM | 0.27 | 229 | 479 | 61 |
| 8/7/12 | 5:00:31 AM | 0.28 | 229 | 478 | 61 |
| 8/7/12 | 5:01:31 AM | 0.27 | 228 | 478 | 61 |
| 8/7/12 | 5:02:31 AM | 0.28 | 228 | 479 | 61 |
| 8/7/12 | 5:03:31 AM | 0.28 | 228 | 477 | 61 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 5:04:31 AM | 0.27 | 228 | 476 | 61 |
| 8/7/12 | 5:05:31 AM | 0.28 | 227 | 475 | 61 |
| 8/7/12 | 5:06:31 AM | 0.27 | 227 | 473 | 61 |
| 8/7/12 | 5:07:31 AM | 0.28 | 227 | 472 | 61 |
| 8/7/12 | 5:08:31 AM | 0.28 | 228 | 472 | 61 |
| 8/7/12 | 5:09:31 AM | 0.28 | 228 | 472 | 61 |
| 8/7/12 | 5:10:31 AM | 0.28 | 229 | 472 | 61 |
| 8/7/12 | 5:11:31 AM | 0.28 | 230 | 473 | 61 |
| 8/7/12 | 5:12:31 AM | 0.28 | 230 | 474 | 61 |
| 8/7/12 | 5:13:31 AM | 0.27 | 230 | 473 | 60 |
| 8/7/12 | 5:14:31 AM | 0.28 | 231 | 473 | 60 |
| 8/7/12 | 5:15:31 AM | 0.28 | 231 | 474 | 60 |
| 8/7/12 | 5:16:31 AM | 0.28 | 231 | 476 | 59 |
| 8/7/12 | 5:17:31 AM | 0.28 | 231 | 476 | 59 |
| 8/7/12 | 5:18:31 AM | 0.27 | 231 | 476 | 59 |
| 8/7/12 | 5:19:31 AM | 0.27 | 232 | 478 | 59 |
| 8/7/12 | 5:20:31 AM | 0.28 | 232 | 478 | 59 |
| 8/7/12 | 5:21:31 AM | 0.28 | 232 | 478 | 59 |
| 8/7/12 | 5:22:31 AM | 0.28 | 232 | 479 | 59 |
| 8/7/12 | 5:23:31 AM | 0.28 | 232 | 484 | 59 |
| 8/7/12 | 5:24:31 AM | 0.27 | 232 | 484 | 59 |
| 8/7/12 | 5:25:31 AM | 0.28 | 232 | 485 | 59 |
| 8/7/12 | 5:26:31 AM | 0.27 | 232 | 483 | 59 |
| 8/7/12 | 5:27:31 AM | 0.28 | 232 | 482 | 60 |
| 8/7/12 | 5:28:31 AM | 0.27 | 232 | 482 | 60 |
| 8/7/12 | 5:29:31 AM | 0.27 | 232 | 482 | 60 |
| 8/7/12 | 5:30:31 AM | 0.27 | 232 | 483 | 60 |
| 8/7/12 | 5:31:31 AM | 0.27 | 232 | 482 | 61 |
| 8/7/12 | 5:32:31 AM | 0.27 | 233 | 482 | 61 |
| 8/7/12 | 5:33:31 AM | 0.27 | 232 | 482 | 61 |
| 8/7/12 | 5:34:31 AM | 0.27 | 232 | 483 | 60 |
| 8/7/12 | 5:35:31 AM | 0.28 | 232 | 482 | 60 |
| 8/7/12 | 5:36:31 AM | 0.28 | 231 | 480 | 60 |
| 8/7/12 | 5:37:31 AM | 0.28 | 230 | 479 | 61 |
| 8/7/12 | 5:38:31 AM | 0.28 | 230 | 477 | 61 |
| 8/7/12 | 5:39:31 AM | 0.28 | 230 | 477 | 61 |
| 8/7/12 | 5:40:31 AM | 0.28 | 229 | 477 | 61 |
| 8/7/12 | 5:41:31 AM | 0.27 | 229 | 478 | 61 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 5:42:31 AM | 0.28 | 229 | 477 | 60 |
| 8/7/12 | 5:43:31 AM | 0.28 | 229 | 477 | 60 |
| 8/7/12 | 5:44:31 AM | 0.27 | 228 | 478 | 60 |
| 8/7/12 | 5:45:31 AM | 0.27 | 228 | 477 | 60 |
| 8/7/12 | 5:46:31 AM | 0.28 | 229 | 477 | 59 |
| 8/7/12 | 5:47:31 AM | 0.28 | 228 | 480 | 59 |
| 8/7/12 | 5:48:31 AM | 0.28 | 228 | 480 | 59 |
| 8/7/12 | 5:49:31 AM | 0.28 | 228 | 478 | 59 |
| 8/7/12 | 5:50:31 AM | 0.28 | 228 | 481 | 59 |
| 8/7/12 | 5:51:31 AM | 0.28 | 228 | 481 | 59 |
| 8/7/12 | 5:52:31 AM | 0.27 | 228 | 481 | 59 |
| 8/7/12 | 5:53:31 AM | 0.28 | 228 | 480 | 59 |
| 8/7/12 | 5:54:31 AM | 0.28 | 228 | 482 | 59 |
| 8/7/12 | 5:55:31 AM | 0.28 | 228 | 482 | 59 |
| 8/7/12 | 5:56:31 AM | 0.28 | 229 | 483 | 59 |
| 8/7/12 | 5:57:31 AM | 0.27 | 229 | 484 | 59 |
| 8/7/12 | 5:58:31 AM | 0.28 | 229 | 484 | 60 |
| 8/7/12 | 5:59:31 AM | 0.28 | 230 | 486 | 60 |
| 8/7/12 | 6:00:31 AM | 0.28 | 230 | 485 | 60 |
| 8/7/12 | 6:01:31 AM | 0.28 | 230 | 484 | 60 |
| 8/7/12 | 6:02:31 AM | 0.28 | 230 | 484 | 60 |
| 8/7/12 | 6:03:31 AM | 0.27 | 230 | 483 | 60 |
| 8/7/12 | 6:04:31 AM | 0.28 | 230 | 483 | 60 |
| 8/7/12 | 6:05:31 AM | 0.28 | 230 | 483 | 60 |
| 8/7/12 | 6:06:31 AM | 0.27 | 229 | 482 | 60 |
| 8/7/12 | 6:07:31 AM | 0.27 | 230 | 482 | 60 |
| 8/7/12 | 6:08:31 AM | 0.27 | 230 | 482 | 60 |
| 8/7/12 | 6:09:31 AM | 0.28 | 230 | 483 | 60 |
| 8/7/12 | 6:10:31 AM | 0.28 | 230 | 483 | 60 |
| 8/7/12 | 6:11:31 AM | 0.27 | 230 | 483 | 60 |
| 8/7/12 | 6:12:31 AM | 0.28 | 230 | 482 | 60 |
| 8/7/12 | 6:13:31 AM | 0.27 | 229 | 483 | 59 |
| 8/7/12 | 6:14:31 AM | 0.28 | 230 | 483 | 59 |
| 8/7/12 | 6:15:31 AM | 0.27 | 229 | 482 | 59 |
| 8/7/12 | 6:16:31 AM | 0.27 | 230 | 483 | 58 |
| 8/7/12 | 6:17:31 AM | 0.28 | 230 | 482 | 58 |
| 8/7/12 | 6:18:31 AM | 0.27 | 230 | 482 | 58 |
| 8/7/12 | 6:19:31 AM | 0.28 | 230 | 482 | 58 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 6:20:31 AM | 0.28 | 231 | 479 | 58 |
| 8/7/12 | 6:21:31 AM | 0.27 | 231 | 479 | 58 |
| 8/7/12 | 6:22:31 AM | 0.27 | 231 | 480 | 57 |
| 8/7/12 | 6:23:31 AM | 0.27 | 232 | 483 | 57 |
| 8/7/12 | 6:24:31 AM | 0.27 | 231 | 485 | 57 |
| 8/7/12 | 6:25:31 AM | 0.27 | 232 | 483 | 57 |
| 8/7/12 | 6:26:31 AM | 0.27 | 232 | 483 | 57 |
| 8/7/12 | 6:27:31 AM | 0.27 | 232 | 484 | 57 |
| 8/7/12 | 6:28:31 AM | 0.27 | 231 | 484 | 57 |
| 8/7/12 | 6:29:31 AM | 0.28 | 232 | 485 | 57 |
| 8/7/12 | 6:30:31 AM | 0.27 | 231 | 482 | 58 |
| 8/7/12 | 6:31:31 AM | 0.27 | 231 | 482 | 59 |
| 8/7/12 | 6:32:31 AM | 0.27 | 231 | 483 | 59 |
| 8/7/12 | 6:33:31 AM | 0.27 | 232 | 482 | 59 |
| 8/7/12 | 6:34:31 AM | 0.27 | 233 | 483 | 59 |
| 8/7/12 | 6:35:31 AM | 0.28 | 233 | 484 | 59 |
| 8/7/12 | 6:36:31 AM | 0.28 | 232 | 484 | 59 |
| 8/7/12 | 6:37:31 AM | 0.27 | 232 | 483 | 59 |
| 8/7/12 | 6:38:31 AM | 0.27 | 231 | 482 | 59 |
| 8/7/12 | 6:39:31 AM | 0.27 | 231 | 482 | 59 |
| 8/7/12 | 6:40:31 AM | 0.27 | 230 | 481 | 59 |
| 8/7/12 | 6:41:31 AM | 0.27 | 230 | 483 | 59 |
| 8/7/12 | 6:42:31 AM | 0.27 | 230 | 478 | 58 |
| 8/7/12 | 6:43:31 AM | 0.28 | 231 | 479 | 58 |
| 8/7/12 | 6:44:31 AM | 0.28 | 230 | 479 | 58 |
| 8/7/12 | 6:45:31 AM | 0.28 | 231 | 479 | 58 |
| 8/7/12 | 6:46:31 AM | 0.28 | 231 | 481 | 58 |
| 8/7/12 | 6:47:31 AM | 0.27 | 231 | 480 | 58 |
| 8/7/12 | 6:48:31 AM | 0.28 | 231 | 480 | 58 |
| 8/7/12 | 6:49:31 AM | 0.28 | 231 | 480 | 57 |
| 8/7/12 | 6:50:31 AM | 0.28 | 231 | 480 | 57 |
| 8/7/12 | 6:51:31 AM | 0.27 | 230 | 480 | 57 |
| 8/7/12 | 6:52:31 AM | 0.27 | 231 | 480 | 57 |
| 8/7/12 | 6:53:31 AM | 0.27 | 230 | 484 | 57 |
| 8/7/12 | 6:54:31 AM | 0.27 | 231 | 484 | 57 |
| 8/7/12 | 6:55:31 AM | 0.28 | 231 | 484 | 57 |
| 8/7/12 | 6:56:31 AM | 0.27 | 232 | 483 | 57 |
| 8/7/12 | 6:57:31 AM | 0.27 | 232 | 483 | 57 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 6:58:31 AM | 0.27 | 233 | 484 | 57 |
| 8/7/12 | 6:59:31 AM | 0.27 | 234 | 484 | 57 |
| 8/7/12 | 7:00:31 AM | 0.27 | 233 | 485 | 57 |
| 8/7/12 | 7:01:31 AM | 0.27 | 233 | 483 | 58 |
| 8/7/12 | 7:02:31 AM | 0.27 | 233 | 483 | 58 |
| 8/7/12 | 7:03:31 AM | 0.27 | 233 | 484 | 58 |
| 8/7/12 | 7:04:31 AM | 0.28 | 233 | 490 | 58 |
| 8/7/12 | 7:05:31 AM | 0.27 | 233 | 485 | 58 |
| 8/7/12 | 7:06:31 AM | 0.27 | 233 | 487 | 58 |
| 8/7/12 | 7:07:31 AM | 0.27 | 233 | 486 | 59 |
| 8/7/12 | 7:08:31 AM | 0.28 | 233 | 485 | 59 |
| 8/7/12 | 7:09:31 AM | 0.28 | 232 | 484 | 59 |
| 8/7/12 | 7:10:31 AM | 0.27 | 232 | 483 | 59 |
| 8/7/12 | 7:11:31 AM | 0.27 | 233 | 483 | 59 |
| 8/7/12 | 7:12:31 AM | 0.27 | 233 | 483 | 59 |
| 8/7/12 | 7:13:31 AM | 0.27 | 233 | 482 | 58 |
| 8/7/12 | 7:14:31 AM | 0.28 | 233 | 481 | 58 |
| 8/7/12 | 7:15:31 AM | 0.27 | 233 | 482 | 59 |
| 8/7/12 | 7:16:31 AM | 0.27 | 233 | 481 | 59 |
| 8/7/12 | 7:17:31 AM | 0.27 | 232 | 481 | 59 |
| 8/7/12 | 7:18:31 AM | 0.27 | 231 | 480 | 59 |
| 8/7/12 | 7:19:31 AM | 0.27 | 231 | 479 | 58 |
| 8/7/12 | 7:20:31 AM | 0.27 | 231 | 477 | 58 |
| 8/7/12 | 7:21:31 AM | 0.27 | 232 | 477 | 58 |
| 8/7/12 | 7:22:31 AM | 0.27 | 232 | 478 | 58 |
| 8/7/12 | 7:23:31 AM | 0.27 | 233 | 480 | 58 |
| 8/7/12 | 7:24:31 AM | 0.27 | 232 | 479 | 58 |
| 8/7/12 | 7:25:31 AM | 0.27 | 232 | 478 | 58 |
| 8/7/12 | 7:26:31 AM | 0.28 | 232 | 478 | 58 |
| 8/7/12 | 7:27:31 AM | 0.28 | 233 | 477 | 57 |
| 8/7/12 | 7:28:31 AM | 0.28 | 233 | 477 | 57 |
| 8/7/12 | 7:29:31 AM | 0.27 | 234 | 479 | 57 |
| 8/7/12 | 7:30:31 AM | 0.28 | 233 | 479 | 57 |
| 8/7/12 | 7:31:31 AM | 0.27 | 233 | 479 | 57 |
| 8/7/12 | 7:32:31 AM | 0.27 | 233 | 480 | 57 |
| 8/7/12 | 7:33:31 AM | 0.27 | 234 | 482 | 57 |
| 8/7/12 | 7:34:31 AM | 0.28 | 234 | 482 | 56 |
| 8/7/12 | 7:35:31 AM | 0.28 | 235 | 482 | 56 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 7:36:31 AM | 0.27 | 235 | 484 | 56 |
| 8/7/12 | 7:37:31 AM | 0.27 | 234 | 484 | 57 |
| 8/7/12 | 7:38:31 AM | 0.27 | 234 | 483 | 57 |
| 8/7/12 | 7:39:31 AM | 0.27 | 234 | 485 | 57 |
| 8/7/12 | 7:40:31 AM | 0.27 | 235 | 487 | 57 |
| 8/7/12 | 7:41:31 AM | 0.27 | 235 | 487 | 57 |
| 8/7/12 | 7:42:31 AM | 0.28 | 235 | 487 | 57 |
| 8/7/12 | 7:43:31 AM | 0.27 | 235 | 487 | 57 |
| 8/7/12 | 7:44:31 AM | 0.27 | 236 | 490 | 57 |
| 8/7/12 | 7:45:31 AM | 0.27 | 236 | 490 | 58 |
| 8/7/12 | 7:46:31 AM | 0.27 | 237 | 491 | 58 |
| 8/7/12 | 7:47:31 AM | 0.27 | 236 | 492 | 58 |
| 8/7/12 | 7:48:31 AM | 0.27 | 236 | 492 | 58 |
| 8/7/12 | 7:49:31 AM | 0.27 | 236 | 491 | 59 |
| 8/7/12 | 7:50:31 AM | 0.27 | 236 | 492 | 59 |
| 8/7/12 | 7:51:31 AM | 0.27 | 236 | 492 | 58 |
| 8/7/12 | 7:52:31 AM | 0.27 | 236 | 492 | 58 |
| 8/7/12 | 7:53:31 AM | 0.27 | 235 | 492 | 58 |
| 8/7/12 | 7:54:31 AM | 0.27 | 234 | 491 | 58 |
| 8/7/12 | 7:55:31 AM | 0.27 | 233 | 490 | 58 |
| 8/7/12 | 7:56:31 AM | 0.28 | 234 | 490 | 58 |
| 8/7/12 | 7:57:31 AM | 0.27 | 233 | 488 | 58 |
| 8/7/12 | 7:58:31 AM | 0.28 | 234 | 487 | 57 |
| 8/7/12 | 7:59:31 AM | 0.27 | 233 | 487 | 57 |
| 8/7/12 | 8:00:31 AM | 0.27 | 233 | 488 | 57 |
| 8/7/12 | 8:01:31 AM | 0.27 | 234 | 487 | 57 |
| 8/7/12 | 8:02:31 AM | 0.27 | 233 | 489 | 57 |
| 8/7/12 | 8:03:31 AM | 0.28 | 233 | 488 | 57 |
| 8/7/12 | 8:04:31 AM | 0.27 | 234 | 490 | 56 |
| 8/7/12 | 8:05:31 AM | 0.28 | 234 | 488 | 56 |
| 8/7/12 | 8:06:31 AM | 0.27 | 234 | 488 | 56 |
| 8/7/12 | 8:07:31 AM | 0.27 | 234 | 490 | 57 |
| 8/7/12 | 8:08:31 AM | 0.28 | 234 | 488 | 57 |
| 8/7/12 | 8:09:31 AM | 0.28 | 235 | 490 | 57 |
| 8/7/12 | 8:10:31 AM | 0.27 | 235 | 491 | 57 |
| 8/7/12 | 8:11:31 AM | 0.28 | 235 | 491 | 57 |
| 8/7/12 | 8:12:31 AM | 0.27 | 235 | 492 | 57 |
| 8/7/12 | 8:13:31 AM | 0.27 | 234 | 492 | 57 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 8:14:31 AM | 0.28 | 234 | 491 | 57 |
| 8/7/12 | 8:15:31 AM | 0.27 | 234 | 492 | 57 |
| 8/7/12 | 8:16:31 AM | 0.27 | 234 | 493 | 56 |
| 8/7/12 | 8:17:31 AM | 0.28 | 234 | 493 | 56 |
| 8/7/12 | 8:18:31 AM | 0.27 | 233 | 492 | 56 |
| 8/7/12 | 8:19:31 AM | 0.27 | 233 | 492 | 56 |
| 8/7/12 | 8:20:31 AM | 0.28 | 234 | 492 | 56 |
| 8/7/12 | 8:21:31 AM | 0.28 | 233 | 492 | 57 |
| 8/7/12 | 8:22:31 AM | 0.28 | 233 | 492 | 57 |
| 8/7/12 | 8:23:31 AM | 0.27 | 233 | 493 | 57 |
| 8/7/12 | 8:24:31 AM | 0.27 | 233 | 492 | 57 |
| 8/7/12 | 8:25:31 AM | 0.27 | 232 | 492 | 57 |
| 8/7/12 | 8:26:31 AM | 0.28 | 232 | 492 | 57 |
| 8/7/12 | 8:27:31 AM | 0.28 | 232 | 492 | 57 |
| 8/7/12 | 8:28:31 AM | 0.28 | 233 | 492 | 57 |
| 8/7/12 | 8:29:31 AM | 0.28 | 232 | 493 | 57 |
| 8/7/12 | 8:30:31 AM | 0.28 | 231 | 492 | 57 |
| 8/7/12 | 8:31:31 AM | 0.28 | 231 | 491 | 57 |
| 8/7/12 | 8:32:31 AM | 0.27 | 231 | 490 | 57 |
| 8/7/12 | 8:33:31 AM | 0.27 | 231 | 491 | 56 |
| 8/7/12 | 8:34:31 AM | 0.27 | 231 | 492 | 56 |
| 8/7/12 | 8:35:31 AM | 0.27 | 231 | 492 | 56 |
| 8/7/12 | 8:36:31 AM | 0.27 | 232 | 492 | 56 |
| 8/7/12 | 8:37:31 AM | 0.27 | 232 | 492 | 56 |
| 8/7/12 | 8:38:31 AM | 0.27 | 232 | 492 | 56 |
| 8/7/12 | 8:39:31 AM | 0.27 | 232 | 493 | 56 |
| 8/7/12 | 8:40:31 AM | 0.28 | 232 | 493 | 56 |
| 8/7/12 | 8:41:31 AM | 0.28 | 231 | 493 | 56 |
| 8/7/12 | 8:42:31 AM | 0.28 | 231 | 495 | 56 |
| 8/7/12 | 8:43:31 AM | 0.27 | 230 | 493 | 56 |
| 8/7/12 | 8:44:31 AM | 0.27 | 231 | 494 | 56 |
| 8/7/12 | 8:45:31 AM | 0.27 | 232 | 493 | 56 |
| 8/7/12 | 8:46:31 AM | 0.27 | 232 | 493 | 55 |
| 8/7/12 | 8:47:31 AM | 0.27 | 232 | 492 | 55 |
| 8/7/12 | 8:48:31 AM | 0.27 | 232 | 494 | 55 |
| 8/7/12 | 8:49:31 AM | 0.27 | 231 | 493 | 55 |
| 8/7/12 | 8:50:31 AM | 0.27 | 232 | 493 | 55 |
| 8/7/12 | 8:51:31 AM | 0.27 | 232 | 493 | 55 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 8:52:31 AM | 0.27 | 232 | 493 | 55 |
| 8/7/12 | 8:53:31 AM | 0.27 | 232 | 492 | 55 |
| 8/7/12 | 8:54:31 AM | 0.27 | 232 | 493 | 55 |
| 8/7/12 | 8:55:31 AM | 0.27 | 233 | 493 | 55 |
| 8/7/12 | 8:56:31 AM | 0.27 | 232 | 493 | 55 |
| 8/7/12 | 8:57:31 AM | 0.27 | 232 | 492 | 55 |
| 8/7/12 | 8:58:31 AM | 0.27 | 232 | 492 | 55 |
| 8/7/12 | 8:59:31 AM | 0.28 | 233 | 492 | 55 |
| 8/7/12 | 9:00:31 AM | 0.27 | 232 | 492 | 55 |
| 8/7/12 | 9:01:31 AM | 0.28 | 233 | 497 | 55 |
| 8/7/12 | 9:02:31 AM | 0.27 | 233 | 496 | 55 |
| 8/7/12 | 9:03:31 AM | 0.27 | 232 | 497 | 55 |
| 8/7/12 | 9:04:31 AM | 0.28 | 233 | 498 | 55 |
| 8/7/12 | 9:05:31 AM | 0.27 | 232 | 497 | 55 |
| 8/7/12 | 9:06:31 AM | 0.27 | 233 | 497 | 55 |
| 8/7/12 | 9:07:31 AM | 0.27 | 233 | 499 | 55 |
| 8/7/12 | 9:08:31 AM | 0.27 | 234 | 500 | 55 |
| 8/7/12 | 9:09:31 AM | 0.27 | 235 | 502 | 55 |
| 8/7/12 | 9:10:31 AM | 0.27 | 235 | 502 | 55 |
| 8/7/12 | 9:11:31 AM | 0.27 | 235 | 502 | 55 |
| 8/7/12 | 9:12:31 AM | 0.27 | 235 | 505 | 55 |
| 8/7/12 | 9:13:31 AM | 0.27 | 235 | 504 | 55 |
| 8/7/12 | 9:14:31 AM | 0.27 | 235 | 504 | 55 |
| 8/7/12 | 9:15:31 AM | 0.26 | 236 | 507 | 55 |
| 8/7/12 | 9:16:31 AM | 0.27 | 237 | 507 | 55 |
| 8/7/12 | 9:17:31 AM | 0.27 | 237 | 507 | 55 |
| 8/7/12 | 9:18:31 AM | 0.27 | 237 | 507 | 55 |
| 8/7/12 | 9:19:31 AM | 0.27 | 238 | 509 | 55 |
| 8/7/12 | 9:20:31 AM | 0.27 | 238 | 510 | 55 |
| 8/7/12 | 9:21:31 AM | 0.27 | 238 | 513 | 54 |
| 8/7/12 | 9:22:31 AM | 0.27 | 238 | 512 | 54 |
| 8/7/12 | 9:23:31 AM | 0.27 | 237 | 511 | 54 |
| 8/7/12 | 9:24:31 AM | 0.27 | 237 | 511 | 54 |
| 8/7/12 | 9:25:31 AM | 0.27 | 236 | 513 | 55 |
| 8/7/12 | 9:26:31 AM | 0.27 | 236 | 509 | 55 |
| 8/7/12 | 9:27:31 AM | 0.27 | 235 | 508 | 55 |
| 8/7/12 | 9:28:31 AM | 0.27 | 235 | 508 | 55 |
| 8/7/12 | 9:29:31 AM | 0.27 | 235 | 508 | 55 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 9:30:31 AM | 0.27 | 235 | 507 | 55 |
| 8/7/12 | 9:31:31 AM | 0.27 | 235 | 507 | 55 |
| 8/7/12 | 9:32:31 AM | 0.27 | 235 | 507 | 55 |
| 8/7/12 | 9:33:31 AM | 0.27 | 236 | 510 | 55 |
| 8/7/12 | 9:34:31 AM | 0.27 | 236 | 511 | 55 |
| 8/7/12 | 9:35:31 AM | 0.27 | 236 | 512 | 55 |
| 8/7/12 | 9:36:31 AM | 0.27 | 235 | 512 | 55 |
| 8/7/12 | 9:37:31 AM | 0.27 | 235 | 510 | 55 |
| 8/7/12 | 9:38:31 AM | 0.27 | 234 | 510 | 55 |
| 8/7/12 | 9:39:31 AM | Start Calibration | | | |
| 8/7/12 | 9:40:31 AM | | | | |
| 8/7/12 | 9:41:31 AM | | | | |
| 8/7/12 | 9:42:31 AM | | | | |
| 8/7/12 | 9:43:31 AM | | | | |
| 8/7/12 | 9:44:31 AM | | | | |
| 8/7/12 | 9:45:31 AM | | | | |
| 8/7/12 | 9:46:31 AM | | | | |
| 8/7/12 | 9:47:31 AM | | | | |
| 8/7/12 | 9:48:31 AM | | | | |
| 8/7/12 | 9:49:31 AM | | | | |
| 8/7/12 | 9:50:31 AM | | | | |
| 8/7/12 | 9:51:31 AM | | | | |
| 8/7/12 | 9:52:31 AM | | | | |
| 8/7/12 | 9:53:31 AM | | | | |
| 8/7/12 | 9:54:31 AM | | | | |
| 8/7/12 | 9:55:31 AM | | | | |
| 8/7/12 | 9:56:31 AM | | | | |
| 8/7/12 | 9:57:31 AM | | | | |
| 8/7/12 | 9:58:31 AM | | | | |
| 8/7/12 | 9:59:31 AM | | | | |
| 8/7/12 | 10:00:31 AM | | | | |
| 8/7/12 | 10:01:31 AM | | | | |
| 8/7/12 | 10:02:31 AM | | | | |
| 8/7/12 | 10:03:31 AM | | | | |
| 8/7/12 | 10:04:31 AM | | | | |
| 8/7/12 | 10:05:31 AM | | | | |
| 8/7/12 | 10:06:31 AM | | | | |
| 8/7/12 | 10:07:31 AM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/7/12 10:08:31 AM | | | | |
| 8/7/12 10:09:31 AM | | | | |
| 8/7/12 10:10:31 AM | | | | |
| 8/7/12 10:11:31 AM | | | | |
| 8/7/12 10:12:31 AM | | | | |
| 8/7/12 10:13:31 AM | | | | |
| 8/7/12 10:14:31 AM | | | | |
| 8/7/12 10:15:31 AM | | | | |
| 8/7/12 10:16:31 AM | | | | |
| 8/7/12 10:17:31 AM | | | | |
| 8/7/12 10:18:31 AM | | | | |
| 8/7/12 10:19:31 AM | | | | |
| 8/7/12 10:20:31 AM | | | | |
| 8/7/12 10:21:31 AM | | | | |
| 8/7/12 10:22:31 AM | | | | |
| 8/7/12 10:23:31 AM | | | | |
| 8/7/12 10:24:31 AM | | | | |
| 8/7/12 10:25:31 AM | | | | |
| 8/7/12 10:26:31 AM | | | | |
| 8/7/12 10:27:31 AM | | | | |
| 8/7/12 10:28:31 AM | | | | |
| 8/7/12 10:29:31 AM | | | | |
| 8/7/12 10:30:31 AM | | | | |
| 8/7/12 10:31:31 AM | | | | |
| 8/7/12 10:32:31 AM | | | | |
| 8/7/12 10:33:31 AM | | | | |
| 8/7/12 10:34:31 AM | | | | |
| 8/7/12 10:35:31 AM | | | | |
| 8/7/12 10:36:31 AM | | | | |
| 8/7/12 10:37:31 AM | | | | |
| 8/7/12 10:38:31 AM | | | | |
| 8/7/12 10:39:31 AM | | | | |
| 8/7/12 10:40:31 AM | | | | |
| 8/7/12 10:41:31 AM | | | | |
| 8/7/12 10:42:31 AM | | | | |
| 8/7/12 10:43:31 AM | | | | |
| 8/7/12 10:44:31 AM | | | | |
| 8/7/12 10:45:31 AM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/7/12 10:46:31 AM | | | | |
| 8/7/12 10:47:31 AM | | | | |
| 8/7/12 10:48:31 AM | | | | |
| 8/7/12 10:49:31 AM | | | | |
| 8/7/12 10:50:31 AM | | | | |
| 8/7/12 10:51:31 AM | | | | |
| 8/7/12 10:52:31 AM | | | | |
| 8/7/12 10:53:31 AM | | | | |
| 8/7/12 10:54:31 AM | | | | |
| 8/7/12 10:55:31 AM | | | | |
| 8/7/12 10:56:31 AM | | | | |
| 8/7/12 10:57:31 AM | | | | |
| 8/7/12 10:58:31 AM | | | | |
| 8/7/12 10:59:31 AM | | | | |
| 8/7/12 11:00:31 AM | | | | |
| 8/7/12 11:01:31 AM | | | | |
| 8/7/12 11:02:31 AM | | | | |
| 8/7/12 11:03:31 AM | | | | |
| 8/7/12 11:04:31 AM | | | | |
| 8/7/12 11:05:31 AM | | | | |
| 8/7/12 11:06:31 AM | | | | |
| 8/7/12 11:07:31 AM | | | | |
| 8/7/12 11:08:31 AM | | | | |
| 8/7/12 11:09:31 AM | | | | |
| 8/7/12 11:10:31 AM | | | | |
| 8/7/12 11:11:31 AM | | | | |
| 8/7/12 11:12:31 AM | | | | |
| 8/7/12 11:13:31 AM | | | | |
| 8/7/12 11:14:31 AM | | | | |
| 8/7/12 11:15:31 AM | | | | |
| 8/7/12 11:16:31 AM | | | | |
| 8/7/12 11:17:31 AM | | | | |
| 8/7/12 11:18:31 AM | | | | |
| 8/7/12 11:19:31 AM | | | | |
| 8/7/12 11:20:31 AM | | | | |
| 8/7/12 11:21:31 AM | | | | |
| 8/7/12 11:22:31 AM | | | | |
| 8/7/12 11:23:31 AM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/7/12 11:24:31 AM | | | | |
| 8/7/12 11:25:31 AM | | | | |
| 8/7/12 11:26:31 AM | | | | |
| 8/7/12 11:27:31 AM | | | | |
| 8/7/12 11:28:31 AM | | | | |
| 8/7/12 11:29:31 AM | | | | |
| 8/7/12 11:30:31 AM | | | | |
| 8/7/12 11:31:31 AM | | | | |
| 8/7/12 11:32:31 AM | End Calibration | | | |
| 8/7/12 11:33:31 AM | 0.27 | 234 | 454 | 30 |
| 8/7/12 11:34:31 AM | 0.27 | 234 | 458 | 30 |
| 8/7/12 11:35:31 AM | 0.28 | 232 | 464 | 30 |
| 8/7/12 11:36:31 AM | 0.27 | 231 | 468 | 30 |
| 8/7/12 11:37:31 AM | 0.28 | 231 | 471 | 30 |
| 8/7/12 11:38:31 AM | 0.28 | 230 | 472 | 30 |
| 8/7/12 11:39:31 AM | 0.27 | 231 | 472 | 30 |
| 8/7/12 11:40:31 AM | 0.28 | 230 | 472 | 30 |
| 8/7/12 11:41:31 AM | 0.27 | 229 | 471 | 30 |
| 8/7/12 11:42:31 AM | 0.28 | 230 | 470 | 29 |
| 8/7/12 11:43:31 AM | 0.27 | 232 | 474 | 29 |
| 8/7/12 11:44:31 AM | 0.28 | 234 | 479 | 29 |
| 8/7/12 11:45:31 AM | 0.28 | 235 | 482 | 29 |
| 8/7/12 11:46:31 AM | 0.28 | 234 | 483 | 29 |
| 8/7/12 11:47:31 AM | 0.28 | 234 | 482 | 29 |
| 8/7/12 11:48:31 AM | 0.28 | 234 | 485 | 29 |
| 8/7/12 11:49:31 AM | 0.28 | 233 | 488 | 29 |
| 8/7/12 11:50:31 AM | 0.27 | 230 | 487 | 29 |
| 8/7/12 11:51:31 AM | 0.27 | 230 | 484 | 29 |
| 8/7/12 11:52:31 AM | 0.27 | 231 | 484 | 29 |
| 8/7/12 11:53:31 AM | 0.27 | 233 | 484 | 29 |
| 8/7/12 11:54:31 AM | 0.27 | 232 | 487 | 29 |
| 8/7/12 11:55:31 AM | 0.27 | 231 | 487 | 30 |
| 8/7/12 11:56:31 AM | 0.27 | 231 | 487 | 30 |
| 8/7/12 11:57:31 AM | 0.27 | 231 | 487 | 30 |
| 8/7/12 11:58:31 AM | 0.27 | 229 | 487 | 30 |
| 8/7/12 11:59:31 AM | 0.28 | 227 | 486 | 30 |
| 8/7/12 12:00:31 PM | 0.28 | 226 | 487 | 30 |
| 8/7/12 12:01:31 PM | 0.28 | 226 | 485 | 30 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 12:02:31 PM | 0.27 | 228 | 486 | 30 |
| 8/7/12 | 12:03:31 PM | 0.27 | 228 | 489 | 30 |
| 8/7/12 | 12:04:31 PM | 0.27 | 228 | 487 | 30 |
| 8/7/12 | 12:05:31 PM | 0.28 | 228 | 489 | 30 |
| 8/7/12 | 12:06:31 PM | 0.28 | 229 | 492 | 30 |
| 8/7/12 | 12:07:31 PM | 0.28 | 229 | 494 | 30 |
| 8/7/12 | 12:08:31 PM | 0.28 | 227 | 492 | 30 |
| 8/7/12 | 12:09:31 PM | 0.28 | 227 | 490 | 30 |
| 8/7/12 | 12:10:31 PM | 0.28 | 227 | 487 | 30 |
| 8/7/12 | 12:11:31 PM | 0.27 | 226 | 486 | 30 |
| 8/7/12 | 12:12:31 PM | 0.28 | 226 | 486 | 30 |
| 8/7/12 | 12:13:31 PM | 0.28 | 226 | 487 | 29 |
| 8/7/12 | 12:14:31 PM | 0.28 | 226 | 487 | 29 |
| 8/7/12 | 12:15:31 PM | 0.28 | 226 | 487 | 30 |
| 8/7/12 | 12:16:31 PM | 0.28 | 227 | 489 | 30 |
| 8/7/12 | 12:17:31 PM | 0.28 | 227 | 491 | 30 |
| 8/7/12 | 12:18:31 PM | 0.28 | 227 | 491 | 30 |
| 8/7/12 | 12:19:31 PM | 0.28 | 226 | 491 | 30 |
| 8/7/12 | 12:20:31 PM | 0.27 | 227 | 492 | 30 |
| 8/7/12 | 12:21:31 PM | 0.27 | 227 | 491 | 30 |
| 8/7/12 | 12:22:31 PM | 0.27 | 227 | 492 | 29 |
| 8/7/12 | 12:23:31 PM | 0.28 | 227 | 492 | 29 |
| 8/7/12 | 12:24:31 PM | 0.28 | 228 | 493 | 29 |
| 8/7/12 | 12:25:31 PM | 0.27 | 226 | 494 | 29 |
| 8/7/12 | 12:26:31 PM | 0.28 | 225 | 491 | 29 |
| 8/7/12 | 12:27:31 PM | 0.28 | 224 | 488 | 30 |
| 8/7/12 | 12:28:31 PM | 0.28 | 224 | 487 | 30 |
| 8/7/12 | 12:29:31 PM | 0.28 | 223 | 485 | 30 |
| 8/7/12 | 12:30:31 PM | 0.28 | 223 | 484 | 29 |
| 8/7/12 | 12:31:31 PM | 0.28 | 223 | 485 | 29 |
| 8/7/12 | 12:32:31 PM | 0.28 | 223 | 486 | 29 |
| 8/7/12 | 12:33:31 PM | 0.28 | 224 | 488 | 29 |
| 8/7/12 | 12:34:31 PM | 0.28 | 223 | 488 | 29 |
| 8/7/12 | 12:35:31 PM | 0.28 | 223 | 486 | 29 |
| 8/7/12 | 12:36:31 PM | 0.28 | 223 | 487 | 29 |
| 8/7/12 | 12:37:31 PM | 0.28 | 222 | 482 | 29 |
| 8/7/12 | 12:38:31 PM | 0.28 | 221 | 482 | 29 |
| 8/7/12 | 12:39:31 PM | 0.28 | 222 | 483 | 29 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/7/12 12:40:31 PM | 0.28 | 223 | 483 | 29 |
| 8/7/12 12:41:31 PM | 0.28 | 222 | 485 | 29 |
| 8/7/12 12:42:31 PM | 0.28 | 222 | 483 | 29 |
| 8/7/12 12:43:31 PM | 0.28 | 221 | 484 | 29 |
| 8/7/12 12:44:31 PM | 0.28 | 220 | 483 | 29 |
| 8/7/12 12:45:31 PM | 0.28 | 220 | 482 | 29 |
| 8/7/12 12:46:31 PM | 0.28 | 221 | 482 | 29 |
| 8/7/12 12:47:31 PM | 0.28 | 221 | 483 | 29 |
| 8/7/12 12:48:31 PM | 0.28 | 220 | 483 | 29 |
| 8/7/12 12:49:31 PM | 0.28 | 220 | 483 | 29 |
| 8/7/12 12:50:31 PM | 0.28 | 220 | 482 | 29 |
| 8/7/12 12:51:31 PM | 0.28 | 220 | 481 | 29 |
| 8/7/12 12:52:31 PM | 0.28 | 221 | 480 | 29 |
| 8/7/12 12:53:31 PM | 0.28 | 221 | 482 | 29 |
| 8/7/12 12:54:31 PM | 0.28 | 222 | 481 | 29 |
| 8/7/12 12:55:31 PM | 0.28 | 223 | 483 | 29 |
| 8/7/12 12:56:31 PM | 0.27 | 223 | 485 | 29 |
| 8/7/12 12:57:31 PM | 0.28 | 225 | 486 | 29 |
| 8/7/12 12:58:31 PM | 0.28 | 225 | 486 | 29 |
| 8/7/12 12:59:31 PM | 0.28 | 226 | 488 | 29 |
| 8/7/12 1:00:31 PM | 0.28 | 225 | 489 | 29 |
| 8/7/12 1:01:31 PM | 0.27 | 225 | 489 | 29 |
| 8/7/12 1:02:31 PM | 0.28 | 226 | 492 | 29 |
| 8/7/12 1:03:31 PM | 0.28 | 226 | 492 | 29 |
| 8/7/12 1:04:31 PM | 0.28 | 225 | 491 | 29 |
| 8/7/12 1:05:31 PM | 0.28 | 224 | 491 | 29 |
| 8/7/12 1:06:31 PM | 0.28 | 223 | 488 | 29 |
| 8/7/12 1:07:31 PM | 0.28 | 224 | 487 | 29 |
| 8/7/12 1:08:31 PM | 0.28 | 223 | 486 | 29 |
| 8/7/12 1:09:31 PM | 0.28 | 224 | 483 | 29 |
| 8/7/12 1:10:31 PM | 0.28 | 224 | 484 | 29 |
| 8/7/12 1:11:31 PM | 0.28 | 225 | 486 | 29 |
| 8/7/12 1:12:31 PM | 0.28 | 225 | 485 | 29 |
| 8/7/12 1:13:31 PM | 0.28 | 225 | 486 | 29 |
| 8/7/12 1:14:31 PM | 0.28 | 224 | 487 | 29 |
| 8/7/12 1:15:31 PM | 0.28 | 222 | 482 | 29 |
| 8/7/12 1:16:31 PM | 0.28 | 223 | 483 | 29 |
| 8/7/12 1:17:31 PM | 0.28 | 222 | 483 | 29 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 1:18:31 PM | 0.28 | 221 | 482 | 29 |
| 8/7/12 | 1:19:31 PM | 0.28 | 221 | 482 | 29 |
| 8/7/12 | 1:20:31 PM | 0.28 | 220 | 481 | 29 |
| 8/7/12 | 1:21:31 PM | 0.28 | 219 | 478 | 29 |
| 8/7/12 | 1:22:31 PM | 0.28 | 220 | 479 | 29 |
| 8/7/12 | 1:23:31 PM | 0.28 | 221 | 479 | 29 |
| 8/7/12 | 1:24:31 PM | 0.28 | 221 | 479 | 29 |
| 8/7/12 | 1:25:31 PM | 0.28 | 221 | 482 | 29 |
| 8/7/12 | 1:26:31 PM | 0.28 | 221 | 482 | 29 |
| 8/7/12 | 1:27:31 PM | 0.28 | 221 | 482 | 29 |
| 8/7/12 | 1:28:31 PM | 0.28 | 223 | 481 | 29 |
| 8/7/12 | 1:29:31 PM | 0.28 | 222 | 482 | 29 |
| 8/7/12 | 1:30:31 PM | 0.28 | 221 | 481 | 29 |
| 8/7/12 | 1:31:31 PM | 0.28 | 222 | 480 | 29 |
| 8/7/12 | 1:32:31 PM | 0.28 | 221 | 480 | 29 |
| 8/7/12 | 1:33:31 PM | 0.28 | 220 | 482 | 29 |
| 8/7/12 | 1:34:31 PM | 0.28 | 220 | 480 | 29 |
| 8/7/12 | 1:35:31 PM | 0.28 | 221 | 480 | 29 |
| 8/7/12 | 1:36:31 PM | 0.28 | 221 | 480 | 29 |
| 8/7/12 | 1:37:31 PM | 0.29 | 221 | 482 | 29 |
| 8/7/12 | 1:38:31 PM | 0.28 | 221 | 483 | 29 |
| 8/7/12 | 1:39:31 PM | 0.29 | 221 | 479 | 29 |
| 8/7/12 | 1:40:31 PM | 0.28 | 222 | 478 | 29 |
| 8/7/12 | 1:41:31 PM | 0.28 | 222 | 479 | 29 |
| 8/7/12 | 1:42:31 PM | 0.28 | 221 | 479 | 29 |
| 8/7/12 | 1:43:31 PM | 0.28 | 221 | 477 | 29 |
| 8/7/12 | 1:44:31 PM | 0.28 | 221 | 479 | 29 |
| 8/7/12 | 1:45:31 PM | 0.28 | 221 | 478 | 28 |
| 8/7/12 | 1:46:31 PM | 0.28 | 220 | 477 | 28 |
| 8/7/12 | 1:47:31 PM | 0.28 | 220 | 478 | 28 |
| 8/7/12 | 1:48:31 PM | 0.28 | 221 | 477 | 28 |
| 8/7/12 | 1:49:31 PM | 0.29 | 223 | 478 | 28 |
| 8/7/12 | 1:50:31 PM | 0.28 | 223 | 480 | 28 |
| 8/7/12 | 1:51:31 PM | 0.28 | 223 | 480 | 28 |
| 8/7/12 | 1:52:31 PM | 0.29 | 224 | 478 | 28 |
| 8/7/12 | 1:53:31 PM | 0.28 | 224 | 478 | 28 |
| 8/7/12 | 1:54:31 PM | 0.28 | 224 | 480 | 28 |
| 8/7/12 | 1:55:31 PM | 0.28 | 224 | 478 | 28 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 1:56:31 PM | 0.28 | 224 | 477 | 28 |
| 8/7/12 | 1:57:31 PM | 0.28 | 223 | 476 | 28 |
| 8/7/12 | 1:58:31 PM | 0.28 | 222 | 476 | 28 |
| 8/7/12 | 1:59:31 PM | 0.28 | 221 | 474 | 28 |
| 8/7/12 | 2:00:31 PM | 0.29 | 220 | 473 | 28 |
| 8/7/12 | 2:01:31 PM | 0.28 | 219 | 472 | 28 |
| 8/7/12 | 2:02:31 PM | 0.28 | 219 | 470 | 28 |
| 8/7/12 | 2:03:31 PM | 0.28 | 219 | 469 | 28 |
| 8/7/12 | 2:04:31 PM | 0.28 | 220 | 467 | 28 |
| 8/7/12 | 2:05:31 PM | 0.29 | 221 | 468 | 28 |
| 8/7/12 | 2:06:31 PM | 0.28 | 220 | 470 | 28 |
| 8/7/12 | 2:07:31 PM | 0.28 | 219 | 467 | 28 |
| 8/7/12 | 2:08:31 PM | 0.28 | 219 | 467 | 28 |
| 8/7/12 | 2:09:31 PM | 0.28 | 218 | 467 | 28 |
| 8/7/12 | 2:10:31 PM | 0.28 | 218 | 469 | 28 |
| 8/7/12 | 2:11:31 PM | 0.28 | 219 | 468 | 28 |
| 8/7/12 | 2:12:31 PM | 0.28 | 218 | 469 | 28 |
| 8/7/12 | 2:13:31 PM | 0.28 | 219 | 467 | 28 |
| 8/7/12 | 2:14:31 PM | 0.28 | 218 | 466 | 28 |
| 8/7/12 | 2:15:31 PM | 0.29 | 218 | 466 | 28 |
| 8/7/12 | 2:16:31 PM | 0.28 | 218 | 467 | 28 |
| 8/7/12 | 2:17:31 PM | 0.28 | 220 | 467 | 28 |
| 8/7/12 | 2:18:31 PM | 0.28 | 220 | 470 | 28 |
| 8/7/12 | 2:19:31 PM | 0.29 | 220 | 472 | 28 |
| 8/7/12 | 2:20:31 PM | 0.28 | 219 | 472 | 28 |
| 8/7/12 | 2:21:31 PM | 0.29 | 218 | 472 | 28 |
| 8/7/12 | 2:22:31 PM | 0.28 | 217 | 472 | 28 |
| 8/7/12 | 2:23:31 PM | 0.29 | 218 | 472 | 28 |
| 8/7/12 | 2:24:31 PM | 0.29 | 217 | 471 | 28 |
| 8/7/12 | 2:25:31 PM | 0.29 | 218 | 471 | 28 |
| 8/7/12 | 2:26:31 PM | 0.28 | 219 | 473 | 28 |
| 8/7/12 | 2:27:31 PM | 0.29 | 221 | 474 | 28 |
| 8/7/12 | 2:28:31 PM | 0.28 | 220 | 476 | 28 |
| 8/7/12 | 2:29:31 PM | 0.28 | 219 | 474 | 28 |
| 8/7/12 | 2:30:31 PM | 0.28 | 219 | 476 | 28 |
| 8/7/12 | 2:31:31 PM | 0.28 | 219 | 472 | 28 |
| 8/7/12 | 2:32:31 PM | 0.28 | 219 | 473 | 28 |
| 8/7/12 | 2:33:31 PM | 0.28 | 219 | 474 | 28 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 2:34:31 PM | 0.28 | 219 | 473 | 28 |
| 8/7/12 | 2:35:31 PM | 0.28 | 219 | 472 | 28 |
| 8/7/12 | 2:36:31 PM | 0.28 | 218 | 473 | 28 |
| 8/7/12 | 2:37:31 PM | 0.29 | 218 | 471 | 28 |
| 8/7/12 | 2:38:31 PM | 0.28 | 217 | 472 | 28 |
| 8/7/12 | 2:39:31 PM | 0.29 | 217 | 472 | 28 |
| 8/7/12 | 2:40:31 PM | 0.28 | 218 | 471 | 28 |
| 8/7/12 | 2:41:31 PM | 0.29 | 220 | 473 | 28 |
| 8/7/12 | 2:42:31 PM | 0.29 | 221 | 474 | 28 |
| 8/7/12 | 2:43:31 PM | 0.28 | 221 | 475 | 28 |
| 8/7/12 | 2:44:31 PM | 0.29 | 221 | 477 | 28 |
| 8/7/12 | 2:45:31 PM | 0.28 | 222 | 478 | 28 |
| 8/7/12 | 2:46:31 PM | 0.28 | 223 | 477 | 28 |
| 8/7/12 | 2:47:31 PM | 0.28 | 222 | 478 | 28 |
| 8/7/12 | 2:48:31 PM | 0.28 | 221 | 477 | 27 |
| 8/7/12 | 2:49:31 PM | 0.28 | 221 | 478 | 27 |
| 8/7/12 | 2:50:31 PM | 0.28 | 221 | 477 | 27 |
| 8/7/12 | 2:51:31 PM | 0.28 | 222 | 477 | 27 |
| 8/7/12 | 2:52:31 PM | 0.28 | 221 | 477 | 27 |
| 8/7/12 | 2:53:31 PM | 0.29 | 221 | 477 | 27 |
| 8/7/12 | 2:54:31 PM | 0.28 | 220 | 475 | 27 |
| 8/7/12 | 2:55:31 PM | 0.28 | 220 | 472 | 27 |
| 8/7/12 | 2:56:31 PM | 0.28 | 219 | 471 | 27 |
| 8/7/12 | 2:57:31 PM | 0.28 | 219 | 471 | 27 |
| 8/7/12 | 2:58:31 PM | 0.28 | 219 | 469 | 27 |
| 8/7/12 | 2:59:31 PM | 0.28 | 218 | 467 | 27 |
| 8/7/12 | 3:00:31 PM | 0.28 | 219 | 468 | 27 |
| 8/7/12 | 3:01:31 PM | 0.29 | 219 | 470 | 27 |
| 8/7/12 | 3:02:31 PM | 0.29 | 218 | 469 | 27 |
| 8/7/12 | 3:03:31 PM | 0.28 | 219 | 468 | 27 |
| 8/7/12 | 3:04:31 PM | 0.29 | 218 | 469 | 27 |
| 8/7/12 | 3:05:31 PM | 0.29 | 219 | 468 | 27 |
| 8/7/12 | 3:06:31 PM | 0.28 | 220 | 470 | 27 |
| 8/7/12 | 3:07:31 PM | 0.29 | 218 | 471 | 27 |
| 8/7/12 | 3:08:31 PM | 0.28 | 218 | 471 | 27 |
| 8/7/12 | 3:09:31 PM | 0.28 | 218 | 470 | 27 |
| 8/7/12 | 3:10:31 PM | 0.28 | 218 | 469 | 27 |
| 8/7/12 | 3:11:31 PM | 0.28 | 217 | 467 | 27 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 3:12:31 PM | 0.28 | 216 | 467 | 27 |
| 8/7/12 | 3:13:31 PM | 0.28 | 217 | 467 | 27 |
| 8/7/12 | 3:14:31 PM | 0.29 | 218 | 468 | 27 |
| 8/7/12 | 3:15:31 PM | 0.29 | 218 | 465 | 27 |
| 8/7/12 | 3:16:31 PM | 0.29 | 218 | 466 | 27 |
| 8/7/12 | 3:17:31 PM | 0.28 | 218 | 467 | 27 |
| 8/7/12 | 3:18:31 PM | 0.28 | 218 | 467 | 26 |
| 8/7/12 | 3:19:31 PM | 0.28 | 218 | 467 | 26 |
| 8/7/12 | 3:20:31 PM | 0.28 | 218 | 467 | 26 |
| 8/7/12 | 3:21:31 PM | 0.28 | 217 | 467 | 27 |
| 8/7/12 | 3:22:31 PM | 0.28 | 218 | 468 | 27 |
| 8/7/12 | 3:23:31 PM | 0.29 | 218 | 468 | 27 |
| 8/7/12 | 3:24:31 PM | 0.28 | 217 | 469 | 27 |
| 8/7/12 | 3:25:31 PM | 0.29 | 218 | 469 | 27 |
| 8/7/12 | 3:26:31 PM | 0.29 | 218 | 469 | 27 |
| 8/7/12 | 3:27:31 PM | 0.29 | 217 | 470 | 27 |
| 8/7/12 | 3:28:31 PM | 0.28 | 218 | 468 | 27 |
| 8/7/12 | 3:29:31 PM | 0.28 | 219 | 472 | 27 |
| 8/7/12 | 3:30:31 PM | 0.29 | 219 | 471 | 26 |
| 8/7/12 | 3:31:31 PM | 0.28 | 219 | 472 | 26 |
| 8/7/12 | 3:32:31 PM | 0.28 | 218 | 471 | 26 |
| 8/7/12 | 3:33:31 PM | 0.28 | 220 | 472 | 26 |
| 8/7/12 | 3:34:31 PM | 0.28 | 221 | 474 | 26 |
| 8/7/12 | 3:35:31 PM | 0.28 | 222 | 477 | 26 |
| 8/7/12 | 3:36:31 PM | 0.28 | 222 | 477 | 26 |
| 8/7/12 | 3:37:31 PM | 0.28 | 222 | 481 | 26 |
| 8/7/12 | 3:38:31 PM | 0.28 | 223 | 478 | 26 |
| 8/7/12 | 3:39:31 PM | 0.29 | 222 | 481 | 26 |
| 8/7/12 | 3:40:31 PM | 0.28 | 221 | 480 | 26 |
| 8/7/12 | 3:41:31 PM | 0.29 | 221 | 477 | 26 |
| 8/7/12 | 3:42:31 PM | 0.28 | 220 | 477 | 26 |
| 8/7/12 | 3:43:31 PM | 0.28 | 220 | 474 | 26 |
| 8/7/12 | 3:44:31 PM | 0.28 | 221 | 476 | 26 |
| 8/7/12 | 3:45:31 PM | 0.28 | 221 | 477 | 26 |
| 8/7/12 | 3:46:31 PM | 0.28 | 220 | 477 | 26 |
| 8/7/12 | 3:47:31 PM | 0.29 | 220 | 477 | 26 |
| 8/7/12 | 3:48:31 PM | 0.28 | 221 | 476 | 26 |
| 8/7/12 | 3:49:31 PM | 0.28 | 222 | 477 | 26 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 3:50:31 PM | 0.29 | 223 | 477 | 26 |
| 8/7/12 | 3:51:31 PM | 0.28 | 222 | 478 | 26 |
| 8/7/12 | 3:52:31 PM | 0.28 | 222 | 478 | 26 |
| 8/7/12 | 3:53:31 PM | 0.28 | 221 | 477 | 26 |
| 8/7/12 | 3:54:31 PM | 0.28 | 221 | 478 | 26 |
| 8/7/12 | 3:55:31 PM | 0.29 | 221 | 477 | 26 |
| 8/7/12 | 3:56:31 PM | 0.28 | 221 | 477 | 26 |
| 8/7/12 | 3:57:31 PM | 0.28 | 221 | 476 | 26 |
| 8/7/12 | 3:58:31 PM | 0.28 | 220 | 476 | 26 |
| 8/7/12 | 3:59:31 PM | 0.28 | 220 | 476 | 26 |
| 8/7/12 | 4:00:31 PM | 0.28 | 219 | 473 | 26 |
| 8/7/12 | 4:01:31 PM | 0.29 | 218 | 473 | 26 |
| 8/7/12 | 4:02:31 PM | 0.29 | 219 | 472 | 26 |
| 8/7/12 | 4:03:31 PM | 0.29 | 218 | 472 | 26 |
| 8/7/12 | 4:04:31 PM | 0.28 | 219 | 472 | 26 |
| 8/7/12 | 4:05:31 PM | 0.29 | 219 | 473 | 26 |
| 8/7/12 | 4:06:31 PM | 0.29 | 219 | 473 | 26 |
| 8/7/12 | 4:07:31 PM | 0.28 | 219 | 471 | 26 |
| 8/7/12 | 4:08:31 PM | 0.29 | 218 | 472 | 26 |
| 8/7/12 | 4:09:31 PM | 0.29 | 218 | 473 | 26 |
| 8/7/12 | 4:10:31 PM | 0.28 | 217 | 473 | 26 |
| 8/7/12 | 4:11:31 PM | 0.29 | 217 | 473 | 26 |
| 8/7/12 | 4:12:31 PM | 0.29 | 217 | 472 | 26 |
| 8/7/12 | 4:13:31 PM | 0.29 | 219 | 474 | 26 |
| 8/7/12 | 4:14:31 PM | 0.29 | 219 | 474 | 26 |
| 8/7/12 | 4:15:31 PM | 0.29 | 219 | 472 | 26 |
| 8/7/12 | 4:16:31 PM | 0.28 | 219 | 475 | 26 |
| 8/7/12 | 4:17:31 PM | 0.28 | 219 | 473 | 26 |
| 8/7/12 | 4:18:31 PM | 0.29 | 218 | 474 | 26 |
| 8/7/12 | 4:19:31 PM | 0.29 | 216 | 473 | 26 |
| 8/7/12 | 4:20:31 PM | 0.29 | 217 | 473 | 26 |
| 8/7/12 | 4:21:31 PM | 0.29 | 217 | 472 | 26 |
| 8/7/12 | 4:22:31 PM | 0.29 | 218 | 472 | 26 |
| 8/7/12 | 4:23:31 PM | 0.29 | 220 | 474 | 26 |
| 8/7/12 | 4:24:31 PM | 0.28 | 220 | 477 | 26 |
| 8/7/12 | 4:25:31 PM | 0.28 | 220 | 479 | 26 |
| 8/7/12 | 4:26:31 PM | 0.29 | 218 | 479 | 26 |
| 8/7/12 | 4:27:31 PM | 0.29 | 217 | 478 | 26 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 4:28:31 PM | 0.29 | 216 | 474 | 26 |
| 8/7/12 | 4:29:31 PM | 0.29 | 216 | 471 | 26 |
| 8/7/12 | 4:30:31 PM | 0.29 | 216 | 472 | 26 |
| 8/7/12 | 4:31:31 PM | 0.29 | 215 | 472 | 26 |
| 8/7/12 | 4:32:31 PM | 0.29 | 216 | 474 | 26 |
| 8/7/12 | 4:33:31 PM | 0.28 | 217 | 473 | 26 |
| 8/7/12 | 4:34:31 PM | 0.29 | 218 | 473 | 26 |
| 8/7/12 | 4:35:31 PM | 0.29 | 218 | 476 | 26 |
| 8/7/12 | 4:36:31 PM | 0.29 | 217 | 475 | 26 |
| 8/7/12 | 4:37:31 PM | 0.29 | 216 | 473 | 26 |
| 8/7/12 | 4:38:31 PM | 0.29 | 216 | 472 | 26 |
| 8/7/12 | 4:39:31 PM | 0.29 | 216 | 472 | 26 |
| 8/7/12 | 4:40:31 PM | 0.29 | 217 | 471 | 26 |
| 8/7/12 | 4:41:31 PM | 0.29 | 215 | 471 | 26 |
| 8/7/12 | 4:42:31 PM | 0.28 | 215 | 471 | 26 |
| 8/7/12 | 4:43:31 PM | 0.29 | 215 | 470 | 26 |
| 8/7/12 | 4:44:31 PM | 0.29 | 217 | 471 | 26 |
| 8/7/12 | 4:45:31 PM | 0.29 | 216 | 472 | 26 |
| 8/7/12 | 4:46:31 PM | 0.29 | 216 | 472 | 26 |
| 8/7/12 | 4:47:31 PM | 0.29 | 216 | 474 | 26 |
| 8/7/12 | 4:48:31 PM | 0.29 | 217 | 474 | 26 |
| 8/7/12 | 4:49:31 PM | 0.28 | 216 | 474 | 26 |
| 8/7/12 | 4:50:31 PM | 0.29 | 215 | 474 | 26 |
| 8/7/12 | 4:51:31 PM | 0.29 | 215 | 472 | 26 |
| 8/7/12 | 4:52:31 PM | 0.29 | 216 | 472 | 26 |
| 8/7/12 | 4:53:31 PM | 0.29 | 217 | 473 | 26 |
| 8/7/12 | 4:54:31 PM | 0.29 | 217 | 473 | 26 |
| 8/7/12 | 4:55:31 PM | 0.29 | 217 | 473 | 26 |
| 8/7/12 | 4:56:31 PM | 0.29 | 217 | 471 | 26 |
| 8/7/12 | 4:57:31 PM | 0.29 | 217 | 470 | 26 |
| 8/7/12 | 4:58:31 PM | 0.29 | 216 | 471 | 26 |
| 8/7/12 | 4:59:31 PM | 0.28 | 216 | 470 | 26 |
| 8/7/12 | 5:00:31 PM | 0.29 | 216 | 471 | 26 |
| 8/7/12 | 5:01:31 PM | 0.29 | 217 | 471 | 26 |
| 8/7/12 | 5:02:31 PM | 0.29 | 217 | 473 | 26 |
| 8/7/12 | 5:03:31 PM | 0.28 | 215 | 475 | 26 |
| 8/7/12 | 5:04:31 PM | 0.29 | 215 | 472 | 26 |
| 8/7/12 | 5:05:31 PM | 0.29 | 217 | 472 | 26 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 5:06:31 PM | 0.28 | 217 | 472 | 26 |
| 8/7/12 | 5:07:31 PM | 0.28 | 217 | 473 | 26 |
| 8/7/12 | 5:08:31 PM | 0.29 | 217 | 473 | 26 |
| 8/7/12 | 5:09:31 PM | 0.29 | 218 | 475 | 26 |
| 8/7/12 | 5:10:31 PM | 0.29 | 217 | 474 | 26 |
| 8/7/12 | 5:11:31 PM | 0.29 | 217 | 475 | 26 |
| 8/7/12 | 5:12:31 PM | 0.29 | 217 | 473 | 26 |
| 8/7/12 | 5:13:31 PM | 0.29 | 216 | 472 | 26 |
| 8/7/12 | 5:14:31 PM | 0.29 | 215 | 473 | 26 |
| 8/7/12 | 5:15:31 PM | 0.29 | 217 | 472 | 26 |
| 8/7/12 | 5:16:31 PM | 0.29 | 218 | 473 | 25 |
| 8/7/12 | 5:17:31 PM | 0.29 | 219 | 477 | 25 |
| 8/7/12 | 5:18:31 PM | 0.28 | 218 | 476 | 25 |
| 8/7/12 | 5:19:31 PM | 0.28 | 218 | 476 | 25 |
| 8/7/12 | 5:20:31 PM | 0.29 | 218 | 478 | 25 |
| 8/7/12 | 5:21:31 PM | 0.29 | 218 | 477 | 26 |
| 8/7/12 | 5:22:31 PM | 0.29 | 219 | 478 | 26 |
| 8/7/12 | 5:23:31 PM | 0.28 | 219 | 477 | 26 |
| 8/7/12 | 5:24:31 PM | 0.29 | 219 | 477 | 25 |
| 8/7/12 | 5:25:31 PM | 0.29 | 217 | 478 | 25 |
| 8/7/12 | 5:26:31 PM | 0.29 | 218 | 477 | 25 |
| 8/7/12 | 5:27:31 PM | 0.28 | 219 | 478 | 25 |
| 8/7/12 | 5:28:31 PM | 0.29 | 220 | 482 | 25 |
| 8/7/12 | 5:29:31 PM | 0.28 | 221 | 480 | 25 |
| 8/7/12 | 5:30:31 PM | 0.29 | 222 | 481 | 25 |
| 8/7/12 | 5:31:31 PM | 0.28 | 221 | 480 | 25 |
| 8/7/12 | 5:32:31 PM | 0.29 | 220 | 479 | 25 |
| 8/7/12 | 5:33:31 PM | 0.29 | 219 | 476 | 26 |
| 8/7/12 | 5:34:31 PM | 0.28 | 217 | 472 | 26 |
| 8/7/12 | 5:35:31 PM | 0.29 | 219 | 472 | 26 |
| 8/7/12 | 5:36:31 PM | 0.29 | 219 | 473 | 26 |
| 8/7/12 | 5:37:31 PM | 0.29 | 219 | 474 | 26 |
| 8/7/12 | 5:38:31 PM | 0.29 | 218 | 475 | 26 |
| 8/7/12 | 5:39:31 PM | 0.29 | 217 | 473 | 26 |
| 8/7/12 | 5:40:31 PM | 0.29 | 218 | 474 | 26 |
| 8/7/12 | 5:41:31 PM | 0.29 | 219 | 475 | 26 |
| 8/7/12 | 5:42:31 PM | 0.28 | 218 | 475 | 26 |
| 8/7/12 | 5:43:31 PM | 0.29 | 218 | 475 | 26 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 5:44:31 PM | 0.29 | 218 | 477 | 26 |
| 8/7/12 | 5:45:31 PM | 0.29 | 218 | 475 | 26 |
| 8/7/12 | 5:46:31 PM | 0.29 | 219 | 476 | 26 |
| 8/7/12 | 5:47:31 PM | 0.28 | 219 | 475 | 26 |
| 8/7/12 | 5:48:31 PM | 0.29 | 219 | 476 | 26 |
| 8/7/12 | 5:49:31 PM | 0.28 | 221 | 477 | 26 |
| 8/7/12 | 5:50:31 PM | 0.28 | 221 | 477 | 26 |
| 8/7/12 | 5:51:31 PM | 0.28 | 222 | 479 | 25 |
| 8/7/12 | 5:52:31 PM | 0.28 | 223 | 480 | 25 |
| 8/7/12 | 5:53:31 PM | 0.28 | 222 | 480 | 25 |
| 8/7/12 | 5:54:31 PM | 0.29 | 221 | 478 | 25 |
| 8/7/12 | 5:55:31 PM | 0.28 | 221 | 477 | 25 |
| 8/7/12 | 5:56:31 PM | 0.29 | 221 | 478 | 25 |
| 8/7/12 | 5:57:31 PM | 0.28 | 220 | 477 | 25 |
| 8/7/12 | 5:58:31 PM | 0.29 | 219 | 476 | 25 |
| 8/7/12 | 5:59:31 PM | 0.28 | 218 | 476 | 25 |
| 8/7/12 | 6:00:31 PM | 0.28 | 217 | 473 | 25 |
| 8/7/12 | 6:01:31 PM | 0.28 | 218 | 472 | 25 |
| 8/7/12 | 6:02:31 PM | 0.29 | 219 | 472 | 25 |
| 8/7/12 | 6:03:31 PM | 0.28 | 219 | 472 | 25 |
| 8/7/12 | 6:04:31 PM | 0.28 | 220 | 472 | 25 |
| 8/7/12 | 6:05:31 PM | 0.28 | 221 | 472 | 25 |
| 8/7/12 | 6:06:31 PM | 0.28 | 221 | 476 | 25 |
| 8/7/12 | 6:07:31 PM | 0.29 | 219 | 476 | 25 |
| 8/7/12 | 6:08:31 PM | 0.28 | 219 | 473 | 25 |
| 8/7/12 | 6:09:31 PM | 0.28 | 219 | 472 | 25 |
| 8/7/12 | 6:10:31 PM | 0.28 | 219 | 473 | 25 |
| 8/7/12 | 6:11:31 PM | 0.28 | 219 | 473 | 25 |
| 8/7/12 | 6:12:31 PM | 0.29 | 219 | 473 | 25 |
| 8/7/12 | 6:13:31 PM | 0.28 | 218 | 471 | 25 |
| 8/7/12 | 6:14:31 PM | 0.28 | 217 | 469 | 25 |
| 8/7/12 | 6:15:31 PM | 0.29 | 218 | 470 | 25 |
| 8/7/12 | 6:16:31 PM | 0.29 | 219 | 472 | 25 |
| 8/7/12 | 6:17:31 PM | 0.29 | 219 | 473 | 25 |
| 8/7/12 | 6:18:31 PM | 0.28 | 219 | 474 | 25 |
| 8/7/12 | 6:19:31 PM | 0.29 | 218 | 471 | 25 |
| 8/7/12 | 6:20:31 PM | 0.28 | 218 | 472 | 25 |
| 8/7/12 | 6:21:31 PM | 0.28 | 219 | 472 | 25 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 6:22:31 PM | 0.28 | 220 | 473 | 25 |
| 8/7/12 | 6:23:31 PM | 0.28 | 220 | 476 | 25 |
| 8/7/12 | 6:24:31 PM | 0.28 | 220 | 479 | 25 |
| 8/7/12 | 6:25:31 PM | 0.28 | 220 | 477 | 25 |
| 8/7/12 | 6:26:31 PM | 0.29 | 219 | 476 | 25 |
| 8/7/12 | 6:27:31 PM | 0.28 | 218 | 474 | 25 |
| 8/7/12 | 6:28:31 PM | 0.28 | 219 | 473 | 25 |
| 8/7/12 | 6:29:31 PM | 0.28 | 220 | 475 | 25 |
| 8/7/12 | 6:30:31 PM | 0.29 | 220 | 475 | 25 |
| 8/7/12 | 6:31:31 PM | 0.29 | 219 | 476 | 25 |
| 8/7/12 | 6:32:31 PM | 0.28 | 217 | 473 | 25 |
| 8/7/12 | 6:33:31 PM | 0.28 | 216 | 472 | 25 |
| 8/7/12 | 6:34:31 PM | 0.29 | 217 | 472 | 25 |
| 8/7/12 | 6:35:31 PM | 0.29 | 216 | 470 | 25 |
| 8/7/12 | 6:36:31 PM | 0.29 | 216 | 469 | 25 |
| 8/7/12 | 6:37:31 PM | 0.29 | 217 | 472 | 25 |
| 8/7/12 | 6:38:31 PM | 0.29 | 216 | 469 | 25 |
| 8/7/12 | 6:39:31 PM | 0.28 | 216 | 475 | 25 |
| 8/7/12 | 6:40:31 PM | 0.29 | 217 | 475 | 25 |
| 8/7/12 | 6:41:31 PM | 0.29 | 217 | 474 | 25 |
| 8/7/12 | 6:42:31 PM | 0.28 | 216 | 472 | 25 |
| 8/7/12 | 6:43:31 PM | 0.29 | 216 | 470 | 25 |
| 8/7/12 | 6:44:31 PM | 0.29 | 216 | 468 | 25 |
| 8/7/12 | 6:45:31 PM | 0.28 | 215 | 468 | 25 |
| 8/7/12 | 6:46:31 PM | 0.28 | 215 | 468 | 25 |
| 8/7/12 | 6:47:31 PM | 0.29 | 216 | 467 | 25 |
| 8/7/12 | 6:48:31 PM | 0.29 | 216 | 467 | 25 |
| 8/7/12 | 6:49:31 PM | 0.29 | 216 | 467 | 25 |
| 8/7/12 | 6:50:31 PM | 0.28 | 215 | 466 | 25 |
| 8/7/12 | 6:51:31 PM | 0.28 | 216 | 466 | 25 |
| 8/7/12 | 6:52:31 PM | 0.28 | 217 | 467 | 25 |
| 8/7/12 | 6:53:31 PM | 0.29 | 217 | 467 | 25 |
| 8/7/12 | 6:54:31 PM | 0.28 | 217 | 468 | 25 |
| 8/7/12 | 6:55:31 PM | 0.28 | 217 | 467 | 25 |
| 8/7/12 | 6:56:31 PM | 0.29 | 217 | 467 | 25 |
| 8/7/12 | 6:57:31 PM | 0.29 | 217 | 467 | 25 |
| 8/7/12 | 6:58:31 PM | 0.29 | 217 | 467 | 25 |
| 8/7/12 | 6:59:31 PM | 0.28 | 217 | 464 | 25 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 7:00:31 PM | 0.29 | 219 | 467 | 25 |
| 8/7/12 | 7:01:31 PM | 0.28 | 220 | 467 | 25 |
| 8/7/12 | 7:02:31 PM | 0.28 | 220 | 469 | 25 |
| 8/7/12 | 7:03:31 PM | 0.28 | 220 | 468 | 25 |
| 8/7/12 | 7:04:31 PM | 0.28 | 219 | 469 | 25 |
| 8/7/12 | 7:05:31 PM | 0.28 | 219 | 470 | 25 |
| 8/7/12 | 7:06:31 PM | 0.28 | 218 | 469 | 25 |
| 8/7/12 | 7:07:31 PM | 0.28 | 219 | 468 | 25 |
| 8/7/12 | 7:08:31 PM | 0.28 | 219 | 468 | 25 |
| 8/7/12 | 7:09:31 PM | 0.28 | 218 | 469 | 25 |
| 8/7/12 | 7:10:31 PM | 0.29 | 217 | 468 | 25 |
| 8/7/12 | 7:11:31 PM | 0.28 | 218 | 466 | 25 |
| 8/7/12 | 7:12:31 PM | 0.29 | 217 | 468 | 25 |
| 8/7/12 | 7:13:31 PM | 0.28 | 217 | 466 | 24 |
| 8/7/12 | 7:14:31 PM | 0.29 | 218 | 467 | 24 |
| 8/7/12 | 7:15:31 PM | 0.29 | 218 | 467 | 25 |
| 8/7/12 | 7:16:31 PM | 0.28 | 218 | 467 | 25 |
| 8/7/12 | 7:17:31 PM | 0.28 | 218 | 467 | 25 |
| 8/7/12 | 7:18:31 PM | 0.28 | 218 | 466 | 24 |
| 8/7/12 | 7:19:31 PM | 0.28 | 218 | 465 | 24 |
| 8/7/12 | 7:20:31 PM | 0.28 | 219 | 465 | 24 |
| 8/7/12 | 7:21:31 PM | 0.28 | 218 | 466 | 24 |
| 8/7/12 | 7:22:31 PM | 0.29 | 218 | 466 | 24 |
| 8/7/12 | 7:23:31 PM | 0.28 | 217 | 465 | 24 |
| 8/7/12 | 7:24:31 PM | 0.28 | 218 | 468 | 24 |
| 8/7/12 | 7:25:31 PM | 0.28 | 217 | 470 | 24 |
| 8/7/12 | 7:26:31 PM | 0.29 | 216 | 466 | 24 |
| 8/7/12 | 7:27:31 PM | 0.29 | 216 | 464 | 24 |
| 8/7/12 | 7:28:31 PM | 0.29 | 216 | 463 | 24 |
| 8/7/12 | 7:29:31 PM | 0.29 | 216 | 462 | 24 |
| 8/7/12 | 7:30:31 PM | 0.29 | 216 | 462 | 24 |
| 8/7/12 | 7:31:31 PM | 0.29 | 216 | 463 | 24 |
| 8/7/12 | 7:32:31 PM | 0.29 | 216 | 463 | 24 |
| 8/7/12 | 7:33:31 PM | 0.28 | 216 | 463 | 24 |
| 8/7/12 | 7:34:31 PM | 0.28 | 216 | 463 | 24 |
| 8/7/12 | 7:35:31 PM | 0.29 | 216 | 463 | 24 |
| 8/7/12 | 7:36:31 PM | 0.29 | 217 | 463 | 24 |
| 8/7/12 | 7:37:31 PM | 0.28 | 217 | 467 | 24 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 7:38:31 PM | 0.28 | 217 | 463 | 24 |
| 8/7/12 | 7:39:31 PM | 0.28 | 218 | 464 | 24 |
| 8/7/12 | 7:40:31 PM | 0.28 | 219 | 467 | 24 |
| 8/7/12 | 7:41:31 PM | 0.28 | 220 | 468 | 24 |
| 8/7/12 | 7:42:31 PM | 0.28 | 221 | 468 | 24 |
| 8/7/12 | 7:43:31 PM | 0.29 | 220 | 469 | 24 |
| 8/7/12 | 7:44:31 PM | 0.28 | 220 | 468 | 24 |
| 8/7/12 | 7:45:31 PM | 0.28 | 219 | 469 | 24 |
| 8/7/12 | 7:46:31 PM | 0.28 | 218 | 468 | 24 |
| 8/7/12 | 7:47:31 PM | 0.28 | 218 | 467 | 24 |
| 8/7/12 | 7:48:31 PM | 0.28 | 218 | 467 | 24 |
| 8/7/12 | 7:49:31 PM | 0.28 | 216 | 468 | 24 |
| 8/7/12 | 7:50:31 PM | 0.28 | 215 | 466 | 24 |
| 8/7/12 | 7:51:31 PM | 0.28 | 217 | 464 | 24 |
| 8/7/12 | 7:52:31 PM | 0.28 | 218 | 466 | 24 |
| 8/7/12 | 7:53:31 PM | 0.28 | 218 | 467 | 24 |
| 8/7/12 | 7:54:31 PM | 0.28 | 218 | 467 | 24 |
| 8/7/12 | 7:55:31 PM | 0.28 | 218 | 467 | 24 |
| 8/7/12 | 7:56:31 PM | 0.28 | 218 | 467 | 24 |
| 8/7/12 | 7:57:31 PM | 0.28 | 218 | 468 | 24 |
| 8/7/12 | 7:58:31 PM | 0.28 | 219 | 469 | 24 |
| 8/7/12 | 7:59:31 PM | 0.28 | 220 | 470 | 24 |
| 8/7/12 | 8:00:31 PM | 0.28 | 220 | 471 | 24 |
| 8/7/12 | 8:01:31 PM | 0.28 | 220 | 472 | 24 |
| 8/7/12 | 8:02:31 PM | 0.28 | 220 | 472 | 24 |
| 8/7/12 | 8:03:31 PM | 0.28 | 220 | 471 | 24 |
| 8/7/12 | 8:04:31 PM | 0.28 | 221 | 472 | 24 |
| 8/7/12 | 8:05:31 PM | 0.28 | 221 | 472 | 24 |
| 8/7/12 | 8:06:31 PM | 0.28 | 220 | 472 | 24 |
| 8/7/12 | 8:07:31 PM | 0.28 | 219 | 471 | 24 |
| 8/7/12 | 8:08:31 PM | 0.28 | 218 | 469 | 24 |
| 8/7/12 | 8:09:31 PM | 0.29 | 218 | 468 | 24 |
| 8/7/12 | 8:10:31 PM | 0.28 | 216 | 467 | 24 |
| 8/7/12 | 8:11:31 PM | 0.28 | 215 | 465 | 24 |
| 8/7/12 | 8:12:31 PM | 0.28 | 216 | 466 | 24 |
| 8/7/12 | 8:13:31 PM | 0.28 | 217 | 464 | 24 |
| 8/7/12 | 8:14:31 PM | 0.28 | 217 | 463 | 24 |
| 8/7/12 | 8:15:31 PM | 0.28 | 216 | 462 | 24 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 8:16:31 PM | 0.28 | 215 | 462 | 24 |
| 8/7/12 | 8:17:31 PM | 0.28 | 215 | 461 | 24 |
| 8/7/12 | 8:18:31 PM | 0.28 | 215 | 461 | 24 |
| 8/7/12 | 8:19:31 PM | 0.28 | 216 | 461 | 24 |
| 8/7/12 | 8:20:31 PM | 0.28 | 216 | 463 | 24 |
| 8/7/12 | 8:21:31 PM | 0.29 | 216 | 461 | 24 |
| 8/7/12 | 8:22:31 PM | 0.28 | 217 | 462 | 24 |
| 8/7/12 | 8:23:31 PM | 0.28 | 217 | 463 | 24 |
| 8/7/12 | 8:24:31 PM | 0.28 | 217 | 463 | 24 |
| 8/7/12 | 8:25:31 PM | 0.28 | 216 | 462 | 24 |
| 8/7/12 | 8:26:31 PM | 0.28 | 217 | 462 | 24 |
| 8/7/12 | 8:27:31 PM | 0.28 | 216 | 462 | 24 |
| 8/7/12 | 8:28:31 PM | 0.28 | 215 | 461 | 24 |
| 8/7/12 | 8:29:31 PM | 0.28 | 217 | 461 | 24 |
| 8/7/12 | 8:30:31 PM | 0.28 | 218 | 462 | 24 |
| 8/7/12 | 8:31:31 PM | 0.28 | 219 | 463 | 24 |
| 8/7/12 | 8:32:31 PM | 0.28 | 218 | 463 | 24 |
| 8/7/12 | 8:33:31 PM | 0.28 | 217 | 462 | 24 |
| 8/7/12 | 8:34:31 PM | 0.28 | 219 | 462 | 24 |
| 8/7/12 | 8:35:31 PM | 0.28 | 218 | 462 | 24 |
| 8/7/12 | 8:36:31 PM | 0.28 | 218 | 463 | 24 |
| 8/7/12 | 8:37:31 PM | 0.28 | 218 | 462 | 24 |
| 8/7/12 | 8:38:31 PM | 0.28 | 217 | 465 | 24 |
| 8/7/12 | 8:39:31 PM | 0.28 | 219 | 466 | 24 |
| 8/7/12 | 8:40:31 PM | 0.28 | 219 | 466 | 24 |
| 8/7/12 | 8:41:31 PM | 0.28 | 218 | 465 | 24 |
| 8/7/12 | 8:42:31 PM | 0.28 | 216 | 463 | 24 |
| 8/7/12 | 8:43:31 PM | 0.28 | 215 | 461 | 24 |
| 8/7/12 | 8:44:31 PM | 0.28 | 217 | 460 | 24 |
| 8/7/12 | 8:45:31 PM | 0.28 | 218 | 462 | 24 |
| 8/7/12 | 8:46:31 PM | 0.28 | 218 | 462 | 24 |
| 8/7/12 | 8:47:31 PM | 0.29 | 218 | 462 | 24 |
| 8/7/12 | 8:48:31 PM | 0.28 | 217 | 463 | 24 |
| 8/7/12 | 8:49:31 PM | 0.28 | 217 | 462 | 23 |
| 8/7/12 | 8:50:31 PM | 0.28 | 217 | 463 | 23 |
| 8/7/12 | 8:51:31 PM | 0.28 | 217 | 463 | 23 |
| 8/7/12 | 8:52:31 PM | 0.28 | 218 | 463 | 23 |
| 8/7/12 | 8:53:31 PM | 0.28 | 217 | 463 | 23 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 8:54:31 PM | 0.28 | 218 | 463 | 23 |
| 8/7/12 | 8:55:31 PM | 0.28 | 218 | 463 | 23 |
| 8/7/12 | 8:56:31 PM | 0.29 | 220 | 463 | 23 |
| 8/7/12 | 8:57:31 PM | 0.28 | 220 | 466 | 23 |
| 8/7/12 | 8:58:31 PM | 0.28 | 219 | 465 | 23 |
| 8/7/12 | 8:59:31 PM | 0.28 | 220 | 466 | 23 |
| 8/7/12 | 9:00:31 PM | 0.28 | 220 | 466 | 24 |
| 8/7/12 | 9:01:31 PM | 0.28 | 220 | 464 | 24 |
| 8/7/12 | 9:02:31 PM | 0.28 | 221 | 466 | 24 |
| 8/7/12 | 9:03:31 PM | 0.28 | 222 | 467 | 24 |
| 8/7/12 | 9:04:31 PM | 0.28 | 223 | 467 | 24 |
| 8/7/12 | 9:05:31 PM | 0.28 | 222 | 469 | 24 |
| 8/7/12 | 9:06:31 PM | 0.28 | 222 | 469 | 24 |
| 8/7/12 | 9:07:31 PM | 0.28 | 222 | 473 | 23 |
| 8/7/12 | 9:08:31 PM | 0.28 | 223 | 471 | 23 |
| 8/7/12 | 9:09:31 PM | 0.28 | 223 | 472 | 23 |
| 8/7/12 | 9:10:31 PM | 0.28 | 223 | 471 | 23 |
| 8/7/12 | 9:11:31 PM | 0.28 | 224 | 472 | 23 |
| 8/7/12 | 9:12:31 PM | 0.28 | 224 | 476 | 23 |
| 8/7/12 | 9:13:31 PM | 0.28 | 224 | 475 | 23 |
| 8/7/12 | 9:14:31 PM | 0.28 | 225 | 475 | 23 |
| 8/7/12 | 9:15:31 PM | 0.28 | 226 | 477 | 23 |
| 8/7/12 | 9:16:31 PM | 0.28 | 227 | 477 | 23 |
| 8/7/12 | 9:17:31 PM | 0.28 | 228 | 478 | 23 |
| 8/7/12 | 9:18:31 PM | 0.28 | 228 | 479 | 23 |
| 8/7/12 | 9:19:31 PM | 0.27 | 229 | 480 | 23 |
| 8/7/12 | 9:20:31 PM | 0.28 | 229 | 481 | 23 |
| 8/7/12 | 9:21:31 PM | 0.28 | 229 | 481 | 23 |
| 8/7/12 | 9:22:31 PM | 0.28 | 230 | 483 | 23 |
| 8/7/12 | 9:23:31 PM | 0.28 | 230 | 482 | 23 |
| 8/7/12 | 9:24:31 PM | 0.27 | 230 | 483 | 23 |
| 8/7/12 | 9:25:31 PM | 0.27 | 230 | 484 | 23 |
| 8/7/12 | 9:26:31 PM | 0.27 | 229 | 484 | 23 |
| 8/7/12 | 9:27:31 PM | 0.27 | 230 | 485 | 23 |
| 8/7/12 | 9:28:31 PM | 0.27 | 230 | 486 | 23 |
| 8/7/12 | 9:29:31 PM | 0.27 | 230 | 487 | 23 |
| 8/7/12 | 9:30:31 PM | 0.27 | 231 | 487 | 22 |
| 8/7/12 | 9:31:31 PM | 0.28 | 231 | 487 | 22 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 9:32:31 PM | 0.28 | 231 | 487 | 22 |
| 8/7/12 | 9:33:31 PM | 0.27 | 231 | 488 | 22 |
| 8/7/12 | 9:34:31 PM | 0.28 | 232 | 490 | 22 |
| 8/7/12 | 9:35:31 PM | 0.28 | 231 | 490 | 22 |
| 8/7/12 | 9:36:31 PM | 0.27 | 231 | 490 | 23 |
| 8/7/12 | 9:37:31 PM | 0.28 | 230 | 489 | 23 |
| 8/7/12 | 9:38:31 PM | 0.28 | 230 | 493 | 23 |
| 8/7/12 | 9:39:31 PM | 0.27 | 229 | 492 | 23 |
| 8/7/12 | 9:40:31 PM | 0.28 | 230 | 488 | 23 |
| 8/7/12 | 9:41:31 PM | 0.28 | 229 | 490 | 23 |
| 8/7/12 | 9:42:31 PM | 0.28 | 229 | 486 | 23 |
| 8/7/12 | 9:43:31 PM | 0.28 | 229 | 486 | 23 |
| 8/7/12 | 9:44:31 PM | 0.27 | 228 | 486 | 23 |
| 8/7/12 | 9:45:31 PM | 0.27 | 228 | 484 | 23 |
| 8/7/12 | 9:46:31 PM | 0.28 | 229 | 484 | 23 |
| 8/7/12 | 9:47:31 PM | 0.28 | 229 | 486 | 23 |
| 8/7/12 | 9:48:31 PM | 0.28 | 229 | 486 | 23 |
| 8/7/12 | 9:49:31 PM | 0.27 | 229 | 487 | 23 |
| 8/7/12 | 9:50:31 PM | 0.28 | 228 | 486 | 23 |
| 8/7/12 | 9:51:31 PM | 0.27 | 228 | 484 | 23 |
| 8/7/12 | 9:52:31 PM | 0.28 | 227 | 483 | 23 |
| 8/7/12 | 9:53:31 PM | 0.28 | 227 | 482 | 23 |
| 8/7/12 | 9:54:31 PM | 0.28 | 227 | 481 | 23 |
| 8/7/12 | 9:55:31 PM | 0.27 | 226 | 479 | 23 |
| 8/7/12 | 9:56:31 PM | 0.28 | 226 | 479 | 23 |
| 8/7/12 | 9:57:31 PM | 0.28 | 225 | 478 | 23 |
| 8/7/12 | 9:58:31 PM | 0.28 | 225 | 477 | 23 |
| 8/7/12 | 9:59:31 PM | 0.28 | 223 | 477 | 23 |
| 8/7/12 | 10:00:31 PM | 0.28 | 223 | 477 | 23 |
| 8/7/12 | 10:01:31 PM | 0.28 | 222 | 473 | 23 |
| 8/7/12 | 10:02:31 PM | 0.28 | 223 | 471 | 23 |
| 8/7/12 | 10:03:31 PM | 0.28 | 223 | 472 | 23 |
| 8/7/12 | 10:04:31 PM | 0.28 | 222 | 471 | 23 |
| 8/7/12 | 10:05:31 PM | 0.28 | 222 | 471 | 23 |
| 8/7/12 | 10:06:31 PM | 0.28 | 222 | 469 | 23 |
| 8/7/12 | 10:07:31 PM | 0.28 | 222 | 468 | 23 |
| 8/7/12 | 10:08:31 PM | 0.28 | 222 | 468 | 23 |
| 8/7/12 | 10:09:31 PM | 0.28 | 221 | 468 | 23 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 10:10:31 PM | 0.28 | 220 | 467 | 23 |
| 8/7/12 | 10:11:31 PM | 0.28 | 220 | 465 | 23 |
| 8/7/12 | 10:12:31 PM | 0.28 | 219 | 467 | 23 |
| 8/7/12 | 10:13:31 PM | 0.28 | 219 | 465 | 23 |
| 8/7/12 | 10:14:31 PM | 0.28 | 219 | 464 | 23 |
| 8/7/12 | 10:15:31 PM | 0.28 | 219 | 464 | 23 |
| 8/7/12 | 10:16:31 PM | 0.28 | 220 | 464 | 23 |
| 8/7/12 | 10:17:31 PM | 0.28 | 220 | 464 | 23 |
| 8/7/12 | 10:18:31 PM | 0.28 | 220 | 465 | 23 |
| 8/7/12 | 10:19:31 PM | 0.28 | 220 | 465 | 23 |
| 8/7/12 | 10:20:31 PM | 0.28 | 220 | 467 | 23 |
| 8/7/12 | 10:21:31 PM | 0.28 | 220 | 468 | 22 |
| 8/7/12 | 10:22:31 PM | 0.28 | 220 | 471 | 22 |
| 8/7/12 | 10:23:31 PM | 0.28 | 220 | 471 | 22 |
| 8/7/12 | 10:24:31 PM | 0.28 | 219 | 471 | 22 |
| 8/7/12 | 10:25:31 PM | 0.28 | 219 | 470 | 22 |
| 8/7/12 | 10:26:31 PM | 0.28 | 219 | 469 | 22 |
| 8/7/12 | 10:27:31 PM | 0.28 | 219 | 469 | 22 |
| 8/7/12 | 10:28:31 PM | 0.28 | 220 | 471 | 22 |
| 8/7/12 | 10:29:31 PM | 0.28 | 221 | 472 | 22 |
| 8/7/12 | 10:30:31 PM | 0.28 | 221 | 472 | 22 |
| 8/7/12 | 10:31:31 PM | 0.28 | 221 | 472 | 22 |
| 8/7/12 | 10:32:31 PM | 0.28 | 220 | 472 | 22 |
| 8/7/12 | 10:33:31 PM | 0.28 | 221 | 472 | 23 |
| 8/7/12 | 10:34:31 PM | 0.28 | 221 | 472 | 23 |
| 8/7/12 | 10:35:31 PM | 0.28 | 221 | 472 | 23 |
| 8/7/12 | 10:36:31 PM | 0.28 | 221 | 472 | 23 |
| 8/7/12 | 10:37:31 PM | 0.28 | 220 | 472 | 23 |
| 8/7/12 | 10:38:31 PM | 0.28 | 220 | 472 | 23 |
| 8/7/12 | 10:39:31 PM | 0.28 | 220 | 471 | 23 |
| 8/7/12 | 10:40:31 PM | 0.29 | 220 | 470 | 23 |
| 8/7/12 | 10:41:31 PM | 0.28 | 219 | 469 | 23 |
| 8/7/12 | 10:42:31 PM | 0.28 | 219 | 471 | 23 |
| 8/7/12 | 10:43:31 PM | 0.28 | 219 | 470 | 23 |
| 8/7/12 | 10:44:31 PM | 0.28 | 219 | 471 | 23 |
| 8/7/12 | 10:45:31 PM | 0.28 | 219 | 468 | 23 |
| 8/7/12 | 10:46:31 PM | 0.28 | 219 | 468 | 23 |
| 8/7/12 | 10:47:31 PM | 0.28 | 220 | 468 | 23 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 10:48:31 PM | 0.28 | 219 | 467 | 23 |
| 8/7/12 | 10:49:31 PM | 0.28 | 219 | 467 | 23 |
| 8/7/12 | 10:50:31 PM | 0.28 | 219 | 467 | 23 |
| 8/7/12 | 10:51:31 PM | 0.28 | 219 | 466 | 23 |
| 8/7/12 | 10:52:31 PM | 0.28 | 220 | 466 | 23 |
| 8/7/12 | 10:53:31 PM | 0.28 | 220 | 466 | 23 |
| 8/7/12 | 10:54:31 PM | 0.28 | 220 | 465 | 23 |
| 8/7/12 | 10:55:31 PM | 0.28 | 219 | 463 | 23 |
| 8/7/12 | 10:56:31 PM | 0.28 | 220 | 463 | 23 |
| 8/7/12 | 10:57:31 PM | 0.28 | 221 | 465 | 23 |
| 8/7/12 | 10:58:31 PM | 0.28 | 221 | 463 | 23 |
| 8/7/12 | 10:59:31 PM | 0.28 | 221 | 464 | 23 |
| 8/7/12 | 11:00:31 PM | 0.28 | 221 | 464 | 23 |
| 8/7/12 | 11:01:31 PM | 0.28 | 221 | 463 | 23 |
| 8/7/12 | 11:02:31 PM | 0.28 | 221 | 466 | 23 |
| 8/7/12 | 11:03:31 PM | 0.28 | 221 | 465 | 23 |
| 8/7/12 | 11:04:31 PM | 0.28 | 221 | 466 | 23 |
| 8/7/12 | 11:05:31 PM | 0.28 | 221 | 466 | 23 |
| 8/7/12 | 11:06:31 PM | 0.28 | 221 | 467 | 22 |
| 8/7/12 | 11:07:31 PM | 0.28 | 221 | 470 | 22 |
| 8/7/12 | 11:08:31 PM | 0.28 | 220 | 470 | 22 |
| 8/7/12 | 11:09:31 PM | 0.28 | 220 | 471 | 22 |
| 8/7/12 | 11:10:31 PM | 0.28 | 220 | 471 | 22 |
| 8/7/12 | 11:11:31 PM | 0.28 | 220 | 468 | 22 |
| 8/7/12 | 11:12:31 PM | 0.28 | 220 | 468 | 22 |
| 8/7/12 | 11:13:31 PM | 0.28 | 221 | 471 | 22 |
| 8/7/12 | 11:14:31 PM | 0.28 | 221 | 472 | 22 |
| 8/7/12 | 11:15:31 PM | 0.28 | 221 | 471 | 22 |
| 8/7/12 | 11:16:31 PM | 0.28 | 221 | 472 | 22 |
| 8/7/12 | 11:17:31 PM | 0.28 | 221 | 472 | 22 |
| 8/7/12 | 11:18:31 PM | 0.28 | 222 | 472 | 22 |
| 8/7/12 | 11:19:31 PM | 0.28 | 221 | 472 | 22 |
| 8/7/12 | 11:20:31 PM | 0.28 | 221 | 473 | 22 |
| 8/7/12 | 11:21:31 PM | 0.28 | 222 | 472 | 23 |
| 8/7/12 | 11:22:31 PM | 0.28 | 222 | 470 | 23 |
| 8/7/12 | 11:23:31 PM | 0.28 | 221 | 472 | 23 |
| 8/7/12 | 11:24:31 PM | 0.28 | 221 | 470 | 23 |
| 8/7/12 | 11:25:31 PM | 0.28 | 221 | 469 | 23 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **07-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **07-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/7/12 | 11:26:31 PM | 0.28 | 222 | 470 | 23 |
| 8/7/12 | 11:27:31 PM | 0.28 | 222 | 472 | 23 |
| 8/7/12 | 11:28:31 PM | 0.28 | 222 | 469 | 23 |
| 8/7/12 | 11:29:31 PM | 0.28 | 223 | 472 | 23 |
| 8/7/12 | 11:30:31 PM | 0.28 | 223 | 471 | 23 |
| 8/7/12 | 11:31:31 PM | 0.28 | 223 | 472 | 23 |
| 8/7/12 | 11:32:31 PM | 0.28 | 223 | 471 | 23 |
| 8/7/12 | 11:33:31 PM | 0.28 | 223 | 472 | 23 |
| 8/7/12 | 11:34:31 PM | 0.28 | 223 | 472 | 23 |
| 8/7/12 | 11:35:31 PM | 0.28 | 222 | 471 | 23 |
| 8/7/12 | 11:36:31 PM | 0.28 | 222 | 470 | 23 |
| 8/7/12 | 11:37:31 PM | 0.28 | 222 | 472 | 23 |
| 8/7/12 | 11:38:31 PM | 0.28 | 223 | 471 | 23 |
| 8/7/12 | 11:39:31 PM | 0.28 | 223 | 470 | 23 |
| 8/7/12 | 11:40:31 PM | 0.28 | 223 | 468 | 23 |
| 8/7/12 | 11:41:31 PM | 0.28 | 223 | 470 | 23 |
| 8/7/12 | 11:42:31 PM | 0.28 | 224 | 471 | 23 |
| 8/7/12 | 11:43:31 PM | 0.28 | 224 | 471 | 23 |
| 8/7/12 | 11:44:31 PM | 0.28 | 224 | 472 | 23 |
| 8/7/12 | 11:45:31 PM | 0.28 | 224 | 472 | 23 |
| 8/7/12 | 11:46:31 PM | 0.28 | 224 | 472 | 23 |
| 8/7/12 | 11:47:31 PM | 0.28 | 225 | 473 | 23 |
| 8/7/12 | 11:48:31 PM | 0.28 | 226 | 475 | 22 |
| 8/7/12 | 11:49:31 PM | 0.28 | 226 | 479 | 22 |
| 8/7/12 | 11:50:31 PM | 0.28 | 226 | 479 | 22 |
| 8/7/12 | 11:51:31 PM | 0.28 | 227 | 480 | 22 |
| 8/7/12 | 11:52:31 PM | 0.28 | 227 | 480 | 22 |
| 8/7/12 | 11:53:31 PM | 0.28 | 227 | 482 | 22 |
| 8/7/12 | 11:54:31 PM | 0.28 | 227 | 482 | 22 |
| 8/7/12 | 11:55:31 PM | 0.28 | 227 | 482 | 22 |
| 8/7/12 | 11:56:31 PM | 0.28 | 227 | 482 | 22 |
| 8/7/12 | 11:57:31 PM | 0.27 | 227 | 484 | 22 |
| 8/7/12 | 11:58:31 PM | 0.28 | 227 | 482 | 22 |
| 8/7/12 | 11:59:31 PM | 0.28 | 228 | 483 | 22 |
| | | | CH4 data invalid. 10 ppm assigned as daily average | | |
| Averages | | 0.28 | 225 | 478 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 12:00:31 AM | 0.28 | 228 | 483 | 22 |
| 8/8/12 | 12:01:31 AM | 0.27 | 227 | 485 | 22 |
| 8/8/12 | 12:02:31 AM | 0.27 | 228 | 486 | 22 |
| 8/8/12 | 12:03:31 AM | 0.28 | 229 | 487 | 23 |
| 8/8/12 | 12:04:31 AM | 0.28 | 229 | 485 | 23 |
| 8/8/12 | 12:05:31 AM | 0.28 | 229 | 483 | 23 |
| 8/8/12 | 12:06:31 AM | 0.28 | 229 | 485 | 23 |
| 8/8/12 | 12:07:31 AM | 0.28 | 228 | 483 | 22 |
| 8/8/12 | 12:08:31 AM | 0.27 | 228 | 484 | 22 |
| 8/8/12 | 12:09:31 AM | 0.28 | 228 | 483 | 23 |
| 8/8/12 | 12:10:31 AM | 0.28 | 228 | 482 | 23 |
| 8/8/12 | 12:11:31 AM | 0.28 | 228 | 483 | 23 |
| 8/8/12 | 12:12:31 AM | 0.28 | 228 | 482 | 22 |
| 8/8/12 | 12:13:31 AM | 0.28 | 228 | 482 | 22 |
| 8/8/12 | 12:14:31 AM | 0.28 | 227 | 481 | 22 |
| 8/8/12 | 12:15:31 AM | 0.28 | 227 | 482 | 22 |
| 8/8/12 | 12:16:31 AM | 0.27 | 226 | 480 | 22 |
| 8/8/12 | 12:17:31 AM | 0.28 | 227 | 480 | 22 |
| 8/8/12 | 12:18:31 AM | 0.28 | 227 | 480 | 23 |
| 8/8/12 | 12:19:31 AM | 0.28 | 227 | 479 | 23 |
| 8/8/12 | 12:20:31 AM | 0.27 | 226 | 479 | 23 |
| 8/8/12 | 12:21:31 AM | 0.28 | 226 | 477 | 22 |
| 8/8/12 | 12:22:31 AM | 0.28 | 227 | 481 | 22 |
| 8/8/12 | 12:23:31 AM | 0.28 | 228 | 477 | 22 |
| 8/8/12 | 12:24:31 AM | 0.28 | 228 | 477 | 22 |
| 8/8/12 | 12:25:31 AM | 0.28 | 228 | 477 | 22 |
| 8/8/12 | 12:26:31 AM | 0.28 | 227 | 479 | 22 |
| 8/8/12 | 12:27:31 AM | 0.28 | 226 | 479 | 22 |
| 8/8/12 | 12:28:31 AM | 0.28 | 226 | 480 | 22 |
| 8/8/12 | 12:29:31 AM | 0.28 | 226 | 478 | 22 |
| 8/8/12 | 12:30:31 AM | 0.28 | 226 | 479 | 22 |
| 8/8/12 | 12:31:31 AM | 0.28 | 226 | 481 | 22 |
| 8/8/12 | 12:32:31 AM | 0.28 | 227 | 482 | 22 |
| 8/8/12 | 12:33:31 AM | 0.28 | 227 | 483 | 22 |
| 8/8/12 | 12:34:31 AM | 0.28 | 227 | 482 | 22 |
| 8/8/12 | 12:35:31 AM | 0.28 | 227 | 483 | 22 |
| 8/8/12 | 12:36:31 AM | 0.28 | 227 | 485 | 22 |
| 8/8/12 | 12:37:31 AM | 0.28 | 228 | 485 | 22 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/8/12 12:38:31 AM | 0.27 | 228 | 485 | 22 |
| 8/8/12 12:39:31 AM | 0.28 | 228 | 484 | 22 |
| 8/8/12 12:40:31 AM | 0.28 | 228 | 483 | 23 |
| 8/8/12 12:41:31 AM | 0.28 | 228 | 483 | 23 |
| 8/8/12 12:42:31 AM | 0.28 | 228 | 483 | 23 |
| 8/8/12 12:43:31 AM | 0.28 | 228 | 483 | 23 |
| 8/8/12 12:44:31 AM | 0.28 | 228 | 482 | 23 |
| 8/8/12 12:45:31 AM | 0.27 | 229 | 482 | 23 |
| 8/8/12 12:46:31 AM | 0.27 | 228 | 483 | 23 |
| 8/8/12 12:47:31 AM | 0.27 | 228 | 483 | 23 |
| 8/8/12 12:48:31 AM | 0.28 | 229 | 487 | 23 |
| 8/8/12 12:49:31 AM | 0.28 | 229 | 487 | 23 |
| 8/8/12 12:50:31 AM | 0.28 | 229 | 484 | 23 |
| 8/8/12 12:51:31 AM | 0.27 | 229 | 483 | 22 |
| 8/8/12 12:52:31 AM | 0.28 | 229 | 483 | 22 |
| 8/8/12 12:53:31 AM | 0.28 | 229 | 483 | 22 |
| 8/8/12 12:54:31 AM | 0.28 | 229 | 484 | 22 |
| 8/8/12 12:55:31 AM | 0.28 | 229 | 483 | 22 |
| 8/8/12 12:56:31 AM | 0.28 | 229 | 483 | 22 |
| 8/8/12 12:57:31 AM | 0.28 | 229 | 486 | 23 |
| 8/8/12 12:58:31 AM | 0.28 | 229 | 482 | 23 |
| 8/8/12 12:59:31 AM | 0.27 | 229 | 483 | 23 |
| 8/8/12 1:00:31 AM | 0.28 | 229 | 484 | 22 |
| 8/8/12 1:01:31 AM | 0.27 | 229 | 482 | 22 |
| 8/8/12 1:02:31 AM | 0.27 | 229 | 482 | 22 |
| 8/8/12 1:03:31 AM | 0.28 | 228 | 483 | 22 |
| 8/8/12 1:04:31 AM | 0.28 | 229 | 483 | 22 |
| 8/8/12 1:05:31 AM | 0.28 | 228 | 482 | 22 |
| 8/8/12 1:06:31 AM | 0.27 | 228 | 484 | 22 |
| 8/8/12 1:07:31 AM | 0.28 | 229 | 485 | 22 |
| 8/8/12 1:08:31 AM | 0.27 | 229 | 484 | 22 |
| 8/8/12 1:09:31 AM | 0.28 | 229 | 486 | 22 |
| 8/8/12 1:10:31 AM | 0.28 | 229 | 485 | 22 |
| 8/8/12 1:11:31 AM | 0.28 | 228 | 487 | 22 |
| 8/8/12 1:12:31 AM | 0.27 | 228 | 487 | 22 |
| 8/8/12 1:13:31 AM | 0.27 | 228 | 488 | 22 |
| 8/8/12 1:14:31 AM | 0.27 | 228 | 487 | 22 |
| 8/8/12 1:15:31 AM | 0.28 | 228 | 488 | 22 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 1:16:31 AM | 0.28 | 228 | 488 | 22 |
| 8/8/12 | 1:17:31 AM | 0.28 | 228 | 487 | 22 |
| 8/8/12 | 1:18:31 AM | 0.28 | 228 | 487 | 22 |
| 8/8/12 | 1:19:31 AM | 0.28 | 228 | 488 | 22 |
| 8/8/12 | 1:20:31 AM | 0.28 | 228 | 488 | 22 |
| 8/8/12 | 1:21:31 AM | 0.28 | 228 | 487 | 22 |
| 8/8/12 | 1:22:31 AM | 0.28 | 228 | 486 | 22 |
| 8/8/12 | 1:23:31 AM | 0.28 | 228 | 486 | 22 |
| 8/8/12 | 1:24:31 AM | 0.28 | 228 | 486 | 22 |
| 8/8/12 | 1:25:31 AM | 0.27 | 229 | 486 | 22 |
| 8/8/12 | 1:26:31 AM | 0.28 | 229 | 484 | 22 |
| 8/8/12 | 1:27:31 AM | 0.28 | 229 | 484 | 22 |
| 8/8/12 | 1:28:31 AM | 0.28 | 229 | 485 | 22 |
| 8/8/12 | 1:29:31 AM | 0.28 | 230 | 485 | 22 |
| 8/8/12 | 1:30:31 AM | 0.28 | 230 | 488 | 22 |
| 8/8/12 | 1:31:31 AM | 0.28 | 231 | 487 | 22 |
| 8/8/12 | 1:32:31 AM | 0.27 | 231 | 485 | 22 |
| 8/8/12 | 1:33:31 AM | 0.27 | 231 | 487 | 22 |
| 8/8/12 | 1:34:31 AM | 0.27 | 231 | 486 | 22 |
| 8/8/12 | 1:35:31 AM | 0.27 | 231 | 486 | 22 |
| 8/8/12 | 1:36:31 AM | 0.27 | 231 | 486 | 22 |
| 8/8/12 | 1:37:31 AM | 0.28 | 231 | 487 | 22 |
| 8/8/12 | 1:38:31 AM | 0.28 | 231 | 487 | 22 |
| 8/8/12 | 1:39:31 AM | 0.27 | 230 | 488 | 22 |
| 8/8/12 | 1:40:31 AM | 0.28 | 230 | 487 | 22 |
| 8/8/12 | 1:41:31 AM | 0.28 | 231 | 487 | 22 |
| 8/8/12 | 1:42:31 AM | 0.27 | 230 | 488 | 22 |
| 8/8/12 | 1:43:31 AM | 0.27 | 230 | 488 | 22 |
| 8/8/12 | 1:44:31 AM | 0.28 | 230 | 488 | 22 |
| 8/8/12 | 1:45:31 AM | 0.28 | 230 | 488 | 22 |
| 8/8/12 | 1:46:31 AM | 0.27 | 229 | 488 | 22 |
| 8/8/12 | 1:47:31 AM | 0.28 | 229 | 488 | 22 |
| 8/8/12 | 1:48:31 AM | 0.28 | 229 | 489 | 22 |
| 8/8/12 | 1:49:31 AM | 0.27 | 229 | 492 | 22 |
| 8/8/12 | 1:50:31 AM | 0.27 | 229 | 492 | 22 |
| 8/8/12 | 1:51:31 AM | 0.28 | 229 | 490 | 22 |
| 8/8/12 | 1:52:31 AM | 0.28 | 229 | 489 | 22 |
| 8/8/12 | 1:53:31 AM | 0.28 | 229 | 487 | 22 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 1:54:31 AM | 0.28 | 230 | 488 | 22 |
| 8/8/12 | 1:55:31 AM | 0.28 | 230 | 488 | 22 |
| 8/8/12 | 1:56:31 AM | 0.28 | 230 | 489 | 22 |
| 8/8/12 | 1:57:31 AM | 0.27 | 230 | 489 | 22 |
| 8/8/12 | 1:58:31 AM | 0.27 | 231 | 488 | 22 |
| 8/8/12 | 1:59:31 AM | 0.27 | 231 | 486 | 22 |
| 8/8/12 | 2:00:31 AM | 0.28 | 231 | 487 | 22 |
| 8/8/12 | 2:01:31 AM | 0.27 | 231 | 487 | 22 |
| 8/8/12 | 2:02:31 AM | 0.27 | 231 | 487 | 22 |
| 8/8/12 | 2:03:31 AM | 0.27 | 230 | 487 | 22 |
| 8/8/12 | 2:04:31 AM | 0.28 | 230 | 488 | 22 |
| 8/8/12 | 2:05:31 AM | 0.28 | 229 | 486 | 22 |
| 8/8/12 | 2:06:31 AM | 0.28 | 228 | 485 | 22 |
| 8/8/12 | 2:07:31 AM | 0.28 | 228 | 483 | 22 |
| 8/8/12 | 2:08:31 AM | 0.28 | 227 | 482 | 22 |
| 8/8/12 | 2:09:31 AM | 0.28 | 227 | 481 | 22 |
| 8/8/12 | 2:10:31 AM | 0.27 | 228 | 482 | 22 |
| 8/8/12 | 2:11:31 AM | 0.28 | 228 | 482 | 22 |
| 8/8/12 | 2:12:31 AM | 0.28 | 228 | 482 | 22 |
| 8/8/12 | 2:13:31 AM | 0.28 | 228 | 482 | 22 |
| 8/8/12 | 2:14:31 AM | 0.27 | 228 | 482 | 22 |
| 8/8/12 | 2:15:31 AM | 0.28 | 228 | 482 | 22 |
| 8/8/12 | 2:16:31 AM | 0.28 | 228 | 483 | 21 |
| 8/8/12 | 2:17:31 AM | 0.28 | 228 | 484 | 21 |
| 8/8/12 | 2:18:31 AM | 0.28 | 228 | 486 | 22 |
| 8/8/12 | 2:19:31 AM | 0.28 | 229 | 485 | 22 |
| 8/8/12 | 2:20:31 AM | 0.27 | 229 | 486 | 22 |
| 8/8/12 | 2:21:31 AM | 0.28 | 229 | 486 | 22 |
| 8/8/12 | 2:22:31 AM | 0.28 | 229 | 487 | 22 |
| 8/8/12 | 2:23:31 AM | 0.27 | 229 | 487 | 22 |
| 8/8/12 | 2:24:31 AM | 0.27 | 229 | 487 | 21 |
| 8/8/12 | 2:25:31 AM | 0.27 | 230 | 487 | 21 |
| 8/8/12 | 2:26:31 AM | 0.27 | 230 | 491 | 21 |
| 8/8/12 | 2:27:31 AM | 0.28 | 230 | 490 | 22 |
| 8/8/12 | 2:28:31 AM | 0.28 | 231 | 488 | 22 |
| 8/8/12 | 2:29:31 AM | 0.27 | 230 | 489 | 22 |
| 8/8/12 | 2:30:31 AM | 0.28 | 230 | 487 | 22 |
| 8/8/12 | 2:31:31 AM | 0.28 | 230 | 486 | 22 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 2:32:31 AM | 0.27 | 230 | 485 | 22 |
| 8/8/12 | 2:33:31 AM | 0.27 | 229 | 483 | 22 |
| 8/8/12 | 2:34:31 AM | 0.27 | 230 | 484 | 21 |
| 8/8/12 | 2:35:31 AM | 0.28 | 230 | 483 | 21 |
| 8/8/12 | 2:36:31 AM | 0.28 | 230 | 482 | 22 |
| 8/8/12 | 2:37:31 AM | 0.28 | 230 | 483 | 22 |
| 8/8/12 | 2:38:31 AM | 0.27 | 230 | 483 | 22 |
| 8/8/12 | 2:39:31 AM | 0.28 | 230 | 484 | 22 |
| 8/8/12 | 2:40:31 AM | 0.28 | 230 | 483 | 22 |
| 8/8/12 | 2:41:31 AM | 0.28 | 230 | 483 | 22 |
| 8/8/12 | 2:42:31 AM | 0.28 | 230 | 484 | 22 |
| 8/8/12 | 2:43:31 AM | 0.28 | 231 | 483 | 22 |
| 8/8/12 | 2:44:31 AM | 0.27 | 232 | 484 | 22 |
| 8/8/12 | 2:45:31 AM | 0.27 | 232 | 483 | 21 |
| 8/8/12 | 2:46:31 AM | 0.27 | 232 | 484 | 21 |
| 8/8/12 | 2:47:31 AM | 0.27 | 233 | 486 | 21 |
| 8/8/12 | 2:48:31 AM | 0.28 | 233 | 487 | 21 |
| 8/8/12 | 2:49:31 AM | 0.27 | 232 | 487 | 21 |
| 8/8/12 | 2:50:31 AM | 0.27 | 232 | 487 | 21 |
| 8/8/12 | 2:51:31 AM | 0.27 | 232 | 489 | 21 |
| 8/8/12 | 2:52:31 AM | 0.27 | 231 | 490 | 21 |
| 8/8/12 | 2:53:31 AM | 0.28 | 232 | 490 | 21 |
| 8/8/12 | 2:54:31 AM | 0.27 | 232 | 491 | 21 |
| 8/8/12 | 2:55:31 AM | 0.27 | 232 | 492 | 21 |
| 8/8/12 | 2:56:31 AM | 0.28 | 232 | 495 | 21 |
| 8/8/12 | 2:57:31 AM | 0.27 | 232 | 491 | 21 |
| 8/8/12 | 2:58:31 AM | 0.27 | 231 | 492 | 21 |
| 8/8/12 | 2:59:31 AM | 0.28 | 231 | 491 | 21 |
| 8/8/12 | 3:00:31 AM | 0.28 | 230 | 491 | 22 |
| 8/8/12 | 3:01:31 AM | 0.27 | 230 | 489 | 22 |
| 8/8/12 | 3:02:31 AM | 0.28 | 229 | 487 | 22 |
| 8/8/12 | 3:03:31 AM | 0.28 | 229 | 487 | 22 |
| 8/8/12 | 3:04:31 AM | 0.28 | 228 | 485 | 22 |
| 8/8/12 | 3:05:31 AM | 0.27 | 228 | 484 | 22 |
| 8/8/12 | 3:06:31 AM | 0.28 | 228 | 484 | 22 |
| 8/8/12 | 3:07:31 AM | 0.28 | 227 | 484 | 22 |
| 8/8/12 | 3:08:31 AM | 0.28 | 227 | 482 | 22 |
| 8/8/12 | 3:09:31 AM | 0.27 | 227 | 482 | 22 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 3:10:31 AM | 0.27 | 227 | 482 | 22 |
| 8/8/12 | 3:11:31 AM | 0.28 | 228 | 481 | 22 |
| 8/8/12 | 3:12:31 AM | 0.28 | 228 | 481 | 22 |
| 8/8/12 | 3:13:31 AM | 0.28 | 228 | 482 | 22 |
| 8/8/12 | 3:14:31 AM | 0.28 | 228 | 481 | 22 |
| 8/8/12 | 3:15:31 AM | 0.27 | 228 | 480 | 22 |
| 8/8/12 | 3:16:31 AM | 0.28 | 227 | 478 | 22 |
| 8/8/12 | 3:17:31 AM | 0.28 | 227 | 477 | 22 |
| 8/8/12 | 3:18:31 AM | 0.28 | 227 | 477 | 21 |
| 8/8/12 | 3:19:31 AM | 0.27 | 227 | 476 | 21 |
| 8/8/12 | 3:20:31 AM | 0.28 | 227 | 476 | 21 |
| 8/8/12 | 3:21:31 AM | 0.28 | 227 | 477 | 21 |
| 8/8/12 | 3:22:31 AM | 0.28 | 226 | 478 | 21 |
| 8/8/12 | 3:23:31 AM | 0.28 | 227 | 478 | 21 |
| 8/8/12 | 3:24:31 AM | 0.28 | 226 | 479 | 21 |
| 8/8/12 | 3:25:31 AM | 0.27 | 226 | 479 | 21 |
| 8/8/12 | 3:26:31 AM | 0.28 | 226 | 480 | 21 |
| 8/8/12 | 3:27:31 AM | 0.28 | 227 | 480 | 21 |
| 8/8/12 | 3:28:31 AM | 0.28 | 227 | 484 | 21 |
| 8/8/12 | 3:29:31 AM | 0.28 | 227 | 483 | 21 |
| 8/8/12 | 3:30:31 AM | 0.28 | 227 | 484 | 21 |
| 8/8/12 | 3:31:31 AM | 0.28 | 226 | 487 | 21 |
| 8/8/12 | 3:32:31 AM | 0.28 | 226 | 486 | 21 |
| 8/8/12 | 3:33:31 AM | 0.27 | 226 | 484 | 21 |
| 8/8/12 | 3:34:31 AM | 0.28 | 226 | 483 | 21 |
| 8/8/12 | 3:35:31 AM | 0.27 | 226 | 483 | 21 |
| 8/8/12 | 3:36:31 AM | 0.28 | 226 | 482 | 22 |
| 8/8/12 | 3:37:31 AM | 0.28 | 226 | 482 | 22 |
| 8/8/12 | 3:38:31 AM | 0.28 | 225 | 482 | 22 |
| 8/8/12 | 3:39:31 AM | 0.28 | 225 | 481 | 22 |
| 8/8/12 | 3:40:31 AM | 0.28 | 225 | 479 | 22 |
| 8/8/12 | 3:41:31 AM | 0.27 | 225 | 480 | 22 |
| 8/8/12 | 3:42:31 AM | 0.28 | 226 | 480 | 22 |
| 8/8/12 | 3:43:31 AM | 0.28 | 226 | 480 | 22 |
| 8/8/12 | 3:44:31 AM | 0.27 | 226 | 478 | 22 |
| 8/8/12 | 3:45:31 AM | 0.28 | 227 | 478 | 21 |
| 8/8/12 | 3:46:31 AM | 0.28 | 226 | 479 | 21 |
| 8/8/12 | 3:47:31 AM | 0.28 | 226 | 479 | 21 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 3:48:31 AM | 0.28 | 226 | 478 | 21 |
| 8/8/12 | 3:49:31 AM | 0.28 | 225 | 478 | 21 |
| 8/8/12 | 3:50:31 AM | 0.28 | 225 | 478 | 21 |
| 8/8/12 | 3:51:31 AM | 0.28 | 224 | 477 | 21 |
| 8/8/12 | 3:52:31 AM | 0.28 | 224 | 481 | 21 |
| 8/8/12 | 3:53:31 AM | 0.28 | 225 | 480 | 21 |
| 8/8/12 | 3:54:31 AM | 0.28 | 224 | 479 | 21 |
| 8/8/12 | 3:55:31 AM | 0.28 | 225 | 478 | 21 |
| 8/8/12 | 3:56:31 AM | 0.28 | 225 | 480 | 21 |
| 8/8/12 | 3:57:31 AM | 0.28 | 226 | 480 | 21 |
| 8/8/12 | 3:58:31 AM | 0.28 | 226 | 481 | 21 |
| 8/8/12 | 3:59:31 AM | 0.28 | 226 | 483 | 21 |
| 8/8/12 | 4:00:31 AM | 0.28 | 226 | 482 | 21 |
| 8/8/12 | 4:01:31 AM | 0.28 | 226 | 482 | 21 |
| 8/8/12 | 4:02:31 AM | 0.28 | 225 | 482 | 21 |
| 8/8/12 | 4:03:31 AM | 0.28 | 225 | 483 | 21 |
| 8/8/12 | 4:04:31 AM | 0.28 | 225 | 482 | 21 |
| 8/8/12 | 4:05:31 AM | 0.28 | 225 | 481 | 21 |
| 8/8/12 | 4:06:31 AM | 0.28 | 225 | 480 | 21 |
| 8/8/12 | 4:07:31 AM | 0.28 | 225 | 481 | 21 |
| 8/8/12 | 4:08:31 AM | 0.28 | 225 | 480 | 21 |
| 8/8/12 | 4:09:31 AM | 0.28 | 225 | 479 | 21 |
| 8/8/12 | 4:10:31 AM | 0.28 | 225 | 479 | 21 |
| 8/8/12 | 4:11:31 AM | 0.28 | 225 | 479 | 21 |
| 8/8/12 | 4:12:31 AM | 0.28 | 224 | 480 | 21 |
| 8/8/12 | 4:13:31 AM | 0.28 | 224 | 479 | 21 |
| 8/8/12 | 4:14:31 AM | 0.28 | 224 | 477 | 21 |
| 8/8/12 | 4:15:31 AM | 0.28 | 224 | 476 | 21 |
| 8/8/12 | 4:16:31 AM | 0.28 | 224 | 475 | 21 |
| 8/8/12 | 4:17:31 AM | 0.28 | 224 | 476 | 21 |
| 8/8/12 | 4:18:31 AM | 0.28 | 224 | 474 | 22 |
| 8/8/12 | 4:19:31 AM | 0.28 | 224 | 475 | 22 |
| 8/8/12 | 4:20:31 AM | 0.28 | 224 | 477 | 22 |
| 8/8/12 | 4:21:31 AM | 0.28 | 223 | 476 | 21 |
| 8/8/12 | 4:22:31 AM | 0.28 | 223 | 474 | 21 |
| 8/8/12 | 4:23:31 AM | 0.28 | 223 | 473 | 21 |
| 8/8/12 | 4:24:31 AM | 0.28 | 223 | 472 | 21 |
| 8/8/12 | 4:25:31 AM | 0.28 | 223 | 471 | 21 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 4:26:31 AM | 0.28 | 223 | 470 | 21 |
| 8/8/12 | 4:27:31 AM | 0.28 | 223 | 470 | 21 |
| 8/8/12 | 4:28:31 AM | 0.28 | 224 | 471 | 21 |
| 8/8/12 | 4:29:31 AM | 0.27 | 223 | 470 | 21 |
| 8/8/12 | 4:30:31 AM | 0.28 | 223 | 472 | 21 |
| 8/8/12 | 4:31:31 AM | 0.28 | 223 | 471 | 21 |
| 8/8/12 | 4:32:31 AM | 0.28 | 223 | 472 | 21 |
| 8/8/12 | 4:33:31 AM | 0.28 | 224 | 471 | 21 |
| 8/8/12 | 4:34:31 AM | 0.28 | 224 | 474 | 21 |
| 8/8/12 | 4:35:31 AM | 0.27 | 224 | 473 | 21 |
| 8/8/12 | 4:36:31 AM | 0.28 | 225 | 473 | 21 |
| 8/8/12 | 4:37:31 AM | 0.28 | 225 | 474 | 21 |
| 8/8/12 | 4:38:31 AM | 0.28 | 226 | 472 | 21 |
| 8/8/12 | 4:39:31 AM | 0.28 | 225 | 475 | 21 |
| 8/8/12 | 4:40:31 AM | 0.28 | 225 | 474 | 21 |
| 8/8/12 | 4:41:31 AM | 0.28 | 225 | 474 | 21 |
| 8/8/12 | 4:42:31 AM | 0.28 | 224 | 474 | 21 |
| 8/8/12 | 4:43:31 AM | 0.28 | 225 | 474 | 21 |
| 8/8/12 | 4:44:31 AM | 0.28 | 224 | 473 | 21 |
| 8/8/12 | 4:45:31 AM | 0.28 | 224 | 473 | 21 |
| 8/8/12 | 4:46:31 AM | 0.28 | 224 | 473 | 21 |
| 8/8/12 | 4:47:31 AM | 0.28 | 224 | 472 | 21 |
| 8/8/12 | 4:48:31 AM | 0.28 | 224 | 471 | 21 |
| 8/8/12 | 4:49:31 AM | 0.28 | 224 | 471 | 21 |
| 8/8/12 | 4:50:31 AM | 0.28 | 224 | 471 | 21 |
| 8/8/12 | 4:51:31 AM | 0.28 | 225 | 470 | 21 |
| 8/8/12 | 4:52:31 AM | 0.28 | 225 | 470 | 21 |
| 8/8/12 | 4:53:31 AM | 0.28 | 225 | 471 | 21 |
| 8/8/12 | 4:54:31 AM | 0.28 | 226 | 472 | 21 |
| 8/8/12 | 4:55:31 AM | 0.28 | 226 | 472 | 21 |
| 8/8/12 | 4:56:31 AM | 0.28 | 226 | 472 | 21 |
| 8/8/12 | 4:57:31 AM | 0.28 | 226 | 472 | 21 |
| 8/8/12 | 4:58:31 AM | 0.28 | 227 | 473 | 21 |
| 8/8/12 | 4:59:31 AM | 0.27 | 227 | 474 | 21 |
| 8/8/12 | 5:00:31 AM | 0.28 | 227 | 474 | 21 |
| 8/8/12 | 5:01:31 AM | 0.28 | 226 | 477 | 21 |
| 8/8/12 | 5:02:31 AM | 0.28 | 225 | 477 | 21 |
| 8/8/12 | 5:03:31 AM | 0.28 | 225 | 477 | 21 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 5:04:31 AM | 0.28 | 225 | 476 | 21 |
| 8/8/12 | 5:05:31 AM | 0.28 | 224 | 475 | 21 |
| 8/8/12 | 5:06:31 AM | 0.28 | 224 | 474 | 21 |
| 8/8/12 | 5:07:31 AM | 0.28 | 225 | 473 | 21 |
| 8/8/12 | 5:08:31 AM | 0.28 | 226 | 477 | 21 |
| 8/8/12 | 5:09:31 AM | 0.28 | 226 | 477 | 21 |
| 8/8/12 | 5:10:31 AM | 0.28 | 227 | 476 | 21 |
| 8/8/12 | 5:11:31 AM | 0.28 | 228 | 478 | 21 |
| 8/8/12 | 5:12:31 AM | 0.28 | 229 | 477 | 21 |
| 8/8/12 | 5:13:31 AM | 0.28 | 229 | 478 | 21 |
| 8/8/12 | 5:14:31 AM | 0.27 | 229 | 479 | 21 |
| 8/8/12 | 5:15:31 AM | 0.28 | 230 | 480 | 21 |
| 8/8/12 | 5:16:31 AM | 0.28 | 230 | 484 | 21 |
| 8/8/12 | 5:17:31 AM | 0.28 | 231 | 480 | 21 |
| 8/8/12 | 5:18:31 AM | 0.28 | 231 | 481 | 21 |
| 8/8/12 | 5:19:31 AM | 0.28 | 231 | 482 | 21 |
| 8/8/12 | 5:20:31 AM | 0.28 | 230 | 481 | 21 |
| 8/8/12 | 5:21:31 AM | 0.28 | 229 | 479 | 21 |
| 8/8/12 | 5:22:31 AM | 0.28 | 229 | 478 | 21 |
| 8/8/12 | 5:23:31 AM | 0.28 | 228 | 477 | 21 |
| 8/8/12 | 5:24:31 AM | 0.28 | 228 | 476 | 21 |
| 8/8/12 | 5:25:31 AM | 0.28 | 228 | 477 | 21 |
| 8/8/12 | 5:26:31 AM | 0.27 | 228 | 477 | 21 |
| 8/8/12 | 5:27:31 AM | 0.28 | 229 | 477 | 21 |
| 8/8/12 | 5:28:31 AM | 0.28 | 228 | 477 | 21 |
| 8/8/12 | 5:29:31 AM | 0.28 | 228 | 477 | 21 |
| 8/8/12 | 5:30:31 AM | 0.28 | 228 | 477 | 20 |
| 8/8/12 | 5:31:31 AM | 0.28 | 228 | 477 | 20 |
| 8/8/12 | 5:32:31 AM | 0.28 | 228 | 478 | 20 |
| 8/8/12 | 5:33:31 AM | 0.28 | 228 | 477 | 20 |
| 8/8/12 | 5:34:31 AM | 0.28 | 228 | 478 | 20 |
| 8/8/12 | 5:35:31 AM | 0.28 | 228 | 478 | 20 |
| 8/8/12 | 5:36:31 AM | 0.27 | 229 | 480 | 20 |
| 8/8/12 | 5:37:31 AM | 0.28 | 230 | 484 | 20 |
| 8/8/12 | 5:38:31 AM | 0.28 | 230 | 485 | 20 |
| 8/8/12 | 5:39:31 AM | 0.28 | 230 | 486 | 20 |
| 8/8/12 | 5:40:31 AM | 0.27 | 230 | 487 | 20 |
| 8/8/12 | 5:41:31 AM | 0.28 | 231 | 488 | 20 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 5:42:31 AM | 0.28 | 231 | 487 | 20 |
| 8/8/12 | 5:43:31 AM | 0.28 | 231 | 487 | 20 |
| 8/8/12 | 5:44:31 AM | 0.28 | 231 | 487 | 20 |
| 8/8/12 | 5:45:31 AM | 0.28 | 230 | 485 | 21 |
| 8/8/12 | 5:46:31 AM | 0.28 | 229 | 486 | 21 |
| 8/8/12 | 5:47:31 AM | 0.28 | 228 | 483 | 21 |
| 8/8/12 | 5:48:31 AM | 0.28 | 229 | 483 | 21 |
| 8/8/12 | 5:49:31 AM | 0.28 | 229 | 483 | 21 |
| 8/8/12 | 5:50:31 AM | 0.28 | 230 | 482 | 21 |
| 8/8/12 | 5:51:31 AM | 0.28 | 230 | 483 | 21 |
| 8/8/12 | 5:52:31 AM | 0.28 | 229 | 483 | 21 |
| 8/8/12 | 5:53:31 AM | 0.28 | 229 | 483 | 21 |
| 8/8/12 | 5:54:31 AM | 0.28 | 229 | 482 | 21 |
| 8/8/12 | 5:55:31 AM | 0.27 | 228 | 481 | 21 |
| 8/8/12 | 5:56:31 AM | 0.28 | 229 | 482 | 21 |
| 8/8/12 | 5:57:31 AM | 0.28 | 229 | 482 | 21 |
| 8/8/12 | 5:58:31 AM | 0.28 | 229 | 482 | 21 |
| 8/8/12 | 5:59:31 AM | 0.28 | 228 | 480 | 21 |
| 8/8/12 | 6:00:31 AM | 0.28 | 229 | 479 | 21 |
| 8/8/12 | 6:01:31 AM | 0.28 | 229 | 480 | 21 |
| 8/8/12 | 6:02:31 AM | 0.28 | 229 | 480 | 21 |
| 8/8/12 | 6:03:31 AM | 0.28 | 229 | 481 | 20 |
| 8/8/12 | 6:04:31 AM | 0.28 | 229 | 479 | 20 |
| 8/8/12 | 6:05:31 AM | 0.28 | 229 | 481 | 20 |
| 8/8/12 | 6:06:31 AM | 0.28 | 229 | 482 | 20 |
| 8/8/12 | 6:07:31 AM | 0.28 | 229 | 482 | 20 |
| 8/8/12 | 6:08:31 AM | 0.28 | 229 | 483 | 20 |
| 8/8/12 | 6:09:31 AM | 0.27 | 228 | 483 | 20 |
| 8/8/12 | 6:10:31 AM | 0.28 | 229 | 482 | 20 |
| 8/8/12 | 6:11:31 AM | 0.27 | 229 | 483 | 20 |
| 8/8/12 | 6:12:31 AM | 0.27 | 229 | 488 | 20 |
| 8/8/12 | 6:13:31 AM | 0.28 | 229 | 487 | 20 |
| 8/8/12 | 6:14:31 AM | 0.27 | 229 | 486 | 20 |
| 8/8/12 | 6:15:31 AM | 0.28 | 229 | 486 | 21 |
| 8/8/12 | 6:16:31 AM | 0.27 | 229 | 486 | 21 |
| 8/8/12 | 6:17:31 AM | 0.28 | 230 | 486 | 21 |
| 8/8/12 | 6:18:31 AM | 0.27 | 230 | 487 | 21 |
| 8/8/12 | 6:19:31 AM | 0.28 | 230 | 487 | 21 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 6:20:31 AM | 0.27 | 230 | 486 | 21 |
| 8/8/12 | 6:21:31 AM | 0.27 | 230 | 488 | 21 |
| 8/8/12 | 6:22:31 AM | 0.27 | 230 | 487 | 21 |
| 8/8/12 | 6:23:31 AM | 0.28 | 230 | 487 | 21 |
| 8/8/12 | 6:24:31 AM | 0.27 | 230 | 486 | 21 |
| 8/8/12 | 6:25:31 AM | 0.27 | 230 | 486 | 21 |
| 8/8/12 | 6:26:31 AM | 0.27 | 230 | 485 | 21 |
| 8/8/12 | 6:27:31 AM | 0.27 | 230 | 485 | 21 |
| 8/8/12 | 6:28:31 AM | 0.28 | 230 | 487 | 21 |
| 8/8/12 | 6:29:31 AM | 0.27 | 230 | 485 | 21 |
| 8/8/12 | 6:30:31 AM | 0.27 | 230 | 485 | 21 |
| 8/8/12 | 6:31:31 AM | 0.27 | 230 | 485 | 21 |
| 8/8/12 | 6:32:31 AM | 0.27 | 230 | 486 | 21 |
| 8/8/12 | 6:33:31 AM | 0.27 | 230 | 483 | 20 |
| 8/8/12 | 6:34:31 AM | 0.27 | 231 | 484 | 20 |
| 8/8/12 | 6:35:31 AM | 0.27 | 231 | 486 | 20 |
| 8/8/12 | 6:36:31 AM | 0.28 | 231 | 486 | 20 |
| 8/8/12 | 6:37:31 AM | 0.28 | 231 | 487 | 20 |
| 8/8/12 | 6:38:31 AM | 0.27 | 231 | 487 | 20 |
| 8/8/12 | 6:39:31 AM | 0.28 | 231 | 488 | 20 |
| 8/8/12 | 6:40:31 AM | 0.27 | 231 | 489 | 20 |
| 8/8/12 | 6:41:31 AM | 0.27 | 232 | 489 | 20 |
| 8/8/12 | 6:42:31 AM | 0.27 | 232 | 491 | 20 |
| 8/8/12 | 6:43:31 AM | 0.27 | 233 | 495 | 20 |
| 8/8/12 | 6:44:31 AM | 0.27 | 234 | 495 | 20 |
| 8/8/12 | 6:45:31 AM | 0.27 | 234 | 496 | 20 |
| 8/8/12 | 6:46:31 AM | 0.27 | 235 | 497 | 20 |
| 8/8/12 | 6:47:31 AM | 0.27 | 235 | 496 | 20 |
| 8/8/12 | 6:48:31 AM | 0.28 | 235 | 496 | 20 |
| 8/8/12 | 6:49:31 AM | 0.27 | 235 | 495 | 20 |
| 8/8/12 | 6:50:31 AM | 0.27 | 235 | 494 | 20 |
| 8/8/12 | 6:51:31 AM | 0.28 | 234 | 495 | 21 |
| 8/8/12 | 6:52:31 AM | 0.27 | 234 | 495 | 21 |
| 8/8/12 | 6:53:31 AM | 0.27 | 234 | 496 | 21 |
| 8/8/12 | 6:54:31 AM | 0.27 | 234 | 493 | 21 |
| 8/8/12 | 6:55:31 AM | 0.28 | 234 | 494 | 21 |
| 8/8/12 | 6:56:31 AM | 0.27 | 234 | 492 | 21 |
| 8/8/12 | 6:57:31 AM | 0.27 | 233 | 493 | 21 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 6:58:31 AM | 0.27 | 233 | 492 | 21 |
| 8/8/12 | 6:59:31 AM | 0.28 | 233 | 492 | 21 |
| 8/8/12 | 7:00:31 AM | 0.27 | 233 | 491 | 20 |
| 8/8/12 | 7:01:31 AM | 0.27 | 233 | 491 | 20 |
| 8/8/12 | 7:02:31 AM | 0.27 | 232 | 488 | 20 |
| 8/8/12 | 7:03:31 AM | 0.27 | 232 | 489 | 20 |
| 8/8/12 | 7:04:31 AM | 0.27 | 232 | 492 | 20 |
| 8/8/12 | 7:05:31 AM | 0.27 | 232 | 492 | 20 |
| 8/8/12 | 7:06:31 AM | 0.27 | 233 | 490 | 21 |
| 8/8/12 | 7:07:31 AM | 0.27 | 233 | 491 | 21 |
| 8/8/12 | 7:08:31 AM | 0.28 | 233 | 491 | 21 |
| 8/8/12 | 7:09:31 AM | 0.27 | 233 | 491 | 20 |
| 8/8/12 | 7:10:31 AM | 0.27 | 233 | 491 | 20 |
| 8/8/12 | 7:11:31 AM | 0.27 | 234 | 491 | 20 |
| 8/8/12 | 7:12:31 AM | 0.28 | 234 | 489 | 20 |
| 8/8/12 | 7:13:31 AM | 0.28 | 234 | 490 | 20 |
| 8/8/12 | 7:14:31 AM | 0.28 | 234 | 490 | 20 |
| 8/8/12 | 7:15:31 AM | 0.27 | 234 | 489 | 20 |
| 8/8/12 | 7:16:31 AM | 0.27 | 234 | 489 | 20 |
| 8/8/12 | 7:17:31 AM | 0.27 | 234 | 488 | 20 |
| 8/8/12 | 7:18:31 AM | 0.27 | 234 | 487 | 20 |
| 8/8/12 | 7:19:31 AM | 0.27 | 234 | 486 | 20 |
| 8/8/12 | 7:20:31 AM | 0.27 | 234 | 486 | 20 |
| 8/8/12 | 7:21:31 AM | 0.27 | 234 | 487 | 20 |
| 8/8/12 | 7:22:31 AM | 0.27 | 234 | 487 | 20 |
| 8/8/12 | 7:23:31 AM | 0.27 | 234 | 486 | 20 |
| 8/8/12 | 7:24:31 AM | 0.28 | 234 | 485 | 20 |
| 8/8/12 | 7:25:31 AM | 0.28 | 233 | 483 | 20 |
| 8/8/12 | 7:26:31 AM | 0.27 | 233 | 483 | 20 |
| 8/8/12 | 7:27:31 AM | 0.28 | 234 | 483 | 20 |
| 8/8/12 | 7:28:31 AM | 0.27 | 234 | 483 | 20 |
| 8/8/12 | 7:29:31 AM | 0.27 | 233 | 482 | 20 |
| 8/8/12 | 7:30:31 AM | 0.27 | 233 | 482 | 20 |
| 8/8/12 | 7:31:31 AM | 0.27 | 233 | 483 | 20 |
| 8/8/12 | 7:32:31 AM | 0.27 | 233 | 482 | 20 |
| 8/8/12 | 7:33:31 AM | 0.28 | 234 | 484 | 20 |
| 8/8/12 | 7:34:31 AM | 0.28 | 234 | 485 | 20 |
| 8/8/12 | 7:35:31 AM | 0.28 | 234 | 485 | 20 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 7:36:31 AM | 0.28 | 234 | 483 | 20 |
| 8/8/12 | 7:37:31 AM | 0.28 | 233 | 484 | 20 |
| 8/8/12 | 7:38:31 AM | 0.28 | 233 | 486 | 20 |
| 8/8/12 | 7:39:31 AM | 0.28 | 233 | 484 | 20 |
| 8/8/12 | 7:40:31 AM | 0.28 | 233 | 484 | 20 |
| 8/8/12 | 7:41:31 AM | 0.28 | 233 | 483 | 20 |
| 8/8/12 | 7:42:31 AM | 0.28 | 233 | 483 | 20 |
| 8/8/12 | 7:43:31 AM | 0.28 | 233 | 485 | 20 |
| 8/8/12 | 7:44:31 AM | 0.28 | 234 | 485 | 20 |
| 8/8/12 | 7:45:31 AM | 0.28 | 234 | 484 | 20 |
| 8/8/12 | 7:46:31 AM | 0.28 | 234 | 485 | 20 |
| 8/8/12 | 7:47:31 AM | 0.28 | 235 | 486 | 20 |
| 8/8/12 | 7:48:31 AM | 0.28 | 235 | 486 | 20 |
| 8/8/12 | 7:49:31 AM | 0.28 | 236 | 486 | 20 |
| 8/8/12 | 7:50:31 AM | 0.28 | 236 | 488 | 20 |
| 8/8/12 | 7:51:31 AM | 0.28 | 236 | 487 | 20 |
| 8/8/12 | 7:52:31 AM | 0.27 | 235 | 489 | 20 |
| 8/8/12 | 7:53:31 AM | 0.27 | 236 | 487 | 20 |
| 8/8/12 | 7:54:31 AM | 0.27 | 235 | 487 | 20 |
| 8/8/12 | 7:55:31 AM | 0.27 | 235 | 487 | 20 |
| 8/8/12 | 7:56:31 AM | 0.28 | 235 | 487 | 20 |
| 8/8/12 | 7:57:31 AM | 0.27 | 236 | 487 | 20 |
| 8/8/12 | 7:58:31 AM | 0.27 | 236 | 488 | 20 |
| 8/8/12 | 7:59:31 AM | 0.27 | 236 | 488 | 20 |
| 8/8/12 | 8:00:31 AM | 0.27 | 236 | 488 | 20 |
| 8/8/12 | 8:01:31 AM | 0.27 | 236 | 488 | 20 |
| 8/8/12 | 8:02:31 AM | 0.27 | 236 | 487 | 20 |
| 8/8/12 | 8:03:31 AM | 0.27 | 236 | 488 | 20 |
| 8/8/12 | 8:04:31 AM | 0.27 | 236 | 488 | 20 |
| 8/8/12 | 8:05:31 AM | 0.27 | 237 | 491 | 20 |
| 8/8/12 | 8:06:31 AM | 0.27 | 237 | 490 | 20 |
| 8/8/12 | 8:07:31 AM | 0.27 | 237 | 493 | 20 |
| 8/8/12 | 8:08:31 AM | 0.28 | 237 | 492 | 20 |
| 8/8/12 | 8:09:31 AM | 0.28 | 237 | 492 | 19 |
| 8/8/12 | 8:10:31 AM | 0.28 | 237 | 491 | 19 |
| 8/8/12 | 8:11:31 AM | 0.27 | 237 | 490 | 19 |
| 8/8/12 | 8:12:31 AM | 0.27 | 236 | 491 | 19 |
| 8/8/12 | 8:13:31 AM | 0.27 | 236 | 492 | 19 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 8:14:31 AM | 0.27 | 236 | 490 | 19 |
| 8/8/12 | 8:15:31 AM | 0.27 | 236 | 491 | 19 |
| 8/8/12 | 8:16:31 AM | 0.28 | 236 | 492 | 19 |
| 8/8/12 | 8:17:31 AM | 0.27 | 237 | 492 | 19 |
| 8/8/12 | 8:18:31 AM | 0.27 | 237 | 493 | 19 |
| 8/8/12 | 8:19:31 AM | 0.28 | 237 | 492 | 19 |
| 8/8/12 | 8:20:31 AM | 0.27 | 237 | 492 | 19 |
| 8/8/12 | 8:21:31 AM | 0.28 | 237 | 493 | 19 |
| 8/8/12 | 8:22:31 AM | 0.27 | 238 | 495 | 19 |
| 8/8/12 | 8:23:31 AM | 0.27 | 238 | 495 | 19 |
| 8/8/12 | 8:24:31 AM | 0.27 | 239 | 495 | 19 |
| 8/8/12 | 8:25:31 AM | 0.27 | 239 | 496 | 19 |
| 8/8/12 | 8:26:31 AM | 0.27 | 239 | 497 | 19 |
| 8/8/12 | 8:27:31 AM | 0.27 | 240 | 497 | 19 |
| 8/8/12 | 8:28:31 AM | 0.27 | 240 | 498 | 19 |
| 8/8/12 | 8:29:31 AM | 0.27 | 239 | 500 | 19 |
| 8/8/12 | 8:30:31 AM | 0.28 | 239 | 499 | 19 |
| 8/8/12 | 8:31:31 AM | 0.27 | 239 | 500 | 19 |
| 8/8/12 | 8:32:31 AM | 0.28 | 238 | 500 | 19 |
| 8/8/12 | 8:33:31 AM | 0.27 | 237 | 501 | 20 |
| 8/8/12 | 8:34:31 AM | 0.27 | 236 | 501 | 20 |
| 8/8/12 | 8:35:31 AM | 0.27 | 237 | 500 | 20 |
| 8/8/12 | 8:36:31 AM | 0.27 | 238 | 505 | 20 |
| 8/8/12 | 8:37:31 AM | 0.27 | 238 | 505 | 20 |
| 8/8/12 | 8:38:31 AM | 0.27 | 238 | 507 | 20 |
| 8/8/12 | 8:39:31 AM | 0.27 | 238 | 507 | 19 |
| 8/8/12 | 8:40:31 AM | 0.27 | 238 | 507 | 19 |
| 8/8/12 | 8:41:31 AM | 0.27 | 238 | 507 | 19 |
| 8/8/12 | 8:42:31 AM | 0.27 | 236 | 504 | 19 |
| 8/8/12 | 8:43:31 AM | 0.26 | 235 | 504 | 19 |
| 8/8/12 | 8:44:31 AM | 0.27 | 234 | 501 | 19 |
| 8/8/12 | 8:45:31 AM | 0.27 | 234 | 502 | 19 |
| 8/8/12 | 8:46:31 AM | 0.27 | 234 | 502 | 19 |
| 8/8/12 | 8:47:31 AM | 0.27 | 233 | 502 | 19 |
| 8/8/12 | 8:48:31 AM | 0.27 | 233 | 506 | 19 |
| 8/8/12 | 8:49:31 AM | 0.27 | 233 | 503 | 19 |
| 8/8/12 | 8:50:31 AM | 0.27 | 232 | 502 | 19 |
| 8/8/12 | 8:51:31 AM | 0.27 | 232 | 503 | 19 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 8:52:31 AM | 0.27 | 231 | 502 | 19 |
| 8/8/12 | 8:53:31 AM | 0.27 | 231 | 502 | 19 |
| 8/8/12 | 8:54:31 AM | 0.27 | 231 | 502 | 19 |
| 8/8/12 | 8:55:31 AM | 0.26 | 232 | 503 | 19 |
| 8/8/12 | 8:56:31 AM | 0.27 | 232 | 505 | 19 |
| 8/8/12 | 8:57:31 AM | 0.27 | 232 | 504 | 19 |
| 8/8/12 | 8:58:31 AM | 0.27 | 233 | 508 | 19 |
| 8/8/12 | 8:59:31 AM | 0.27 | 234 | 507 | 19 |
| 8/8/12 | 9:00:31 AM | 0.27 | 235 | 508 | 20 |
| 8/8/12 | 9:01:31 AM | 0.27 | 236 | 512 | 20 |
| 8/8/12 | 9:02:31 AM | 0.27 | 237 | 513 | 20 |
| 8/8/12 | 9:03:31 AM | 0.27 | 236 | 514 | 19 |
| 8/8/12 | 9:04:31 AM | 0.28 | 235 | 514 | 19 |
| 8/8/12 | 9:05:31 AM | 0.28 | 234 | 514 | 19 |
| 8/8/12 | 9:06:31 AM | 0.27 | 232 | 515 | 19 |
| 8/8/12 | 9:07:31 AM | 0.28 | 232 | 513 | 19 |
| 8/8/12 | 9:08:31 AM | 0.27 | 232 | 513 | 19 |
| 8/8/12 | 9:09:31 AM | 0.27 | 232 | 512 | 19 |
| 8/8/12 | 9:10:31 AM | 0.28 | 233 | 514 | 19 |
| 8/8/12 | 9:11:31 AM | 0.27 | 234 | 517 | 19 |
| 8/8/12 | 9:12:31 AM | 0.27 | 235 | 518 | 19 |
| 8/8/12 | 9:13:31 AM | 0.27 | 236 | 518 | 19 |
| 8/8/12 | 9:14:31 AM | 0.28 | 236 | 521 | 19 |
| 8/8/12 | 9:15:31 AM | 0.27 | 237 | 521 | 20 |
| 8/8/12 | 9:16:31 AM | 0.27 | 236 | 521 | 20 |
| 8/8/12 | 9:17:31 AM | 0.27 | 237 | 523 | 20 |
| 8/8/12 | 9:18:31 AM | 0.27 | 238 | 525 | 20 |
| 8/8/12 | 9:19:31 AM | 0.27 | 238 | 526 | 20 |
| 8/8/12 | 9:20:31 AM | 0.27 | 239 | 526 | 20 |
| 8/8/12 | 9:21:31 AM | 0.27 | 240 | 527 | 20 |
| 8/8/12 | 9:22:31 AM | 0.27 | 240 | 528 | 20 |
| 8/8/12 | 9:23:31 AM | 0.26 | 240 | 528 | 20 |
| 8/8/12 | 9:24:31 AM | 0.27 | 240 | 531 | 20 |
| 8/8/12 | 9:25:31 AM | 0.27 | 240 | 532 | 20 |
| 8/8/12 | 9:26:31 AM | 0.27 | 240 | 532 | 20 |
| 8/8/12 | 9:27:31 AM | 0.27 | 240 | 533 | 19 |
| 8/8/12 | 9:28:31 AM | 0.27 | 239 | 532 | 19 |
| 8/8/12 | 9:29:31 AM | 0.27 | 239 | 533 | 19 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 9:30:31 AM | 0.27 | 238 | 535 | 20 |
| 8/8/12 | 9:31:31 AM | 0.27 | 238 | 533 | 20 |
| 8/8/12 | 9:32:31 AM | 0.26 | 238 | 536 | 20 |
| 8/8/12 | 9:33:31 AM | 0.27 | 237 | 535 | 20 |
| 8/8/12 | 9:34:31 AM | 0.27 | 238 | 534 | 20 |
| 8/8/12 | 9:35:31 AM | 0.27 | 238 | 535 | 20 |
| 8/8/12 | 9:36:31 AM | 0.27 | 238 | 535 | 20 |
| 8/8/12 | 9:37:31 AM | Start Calibration | | | |
| 8/8/12 | 9:38:31 AM | | | | |
| 8/8/12 | 9:39:31 AM | | | | |
| 8/8/12 | 9:40:31 AM | | | | |
| 8/8/12 | 9:41:31 AM | | | | |
| 8/8/12 | 9:42:31 AM | | | | |
| 8/8/12 | 9:43:31 AM | | | | |
| 8/8/12 | 9:44:31 AM | | | | |
| 8/8/12 | 9:45:31 AM | | | | |
| 8/8/12 | 9:46:31 AM | | | | |
| 8/8/12 | 9:47:31 AM | | | | |
| 8/8/12 | 9:48:31 AM | | | | |
| 8/8/12 | 9:49:31 AM | | | | |
| 8/8/12 | 9:50:31 AM | | | | |
| 8/8/12 | 9:51:31 AM | | | | |
| 8/8/12 | 9:52:31 AM | | | | |
| 8/8/12 | 9:53:31 AM | | | | |
| 8/8/12 | 9:54:31 AM | | | | |
| 8/8/12 | 9:55:31 AM | | | | |
| 8/8/12 | 9:56:31 AM | | | | |
| 8/8/12 | 9:57:31 AM | | | | |
| 8/8/12 | 9:58:31 AM | | | | |
| 8/8/12 | 9:59:31 AM | | | | |
| 8/8/12 | 10:00:31 AM | | | | |
| 8/8/12 | 10:01:31 AM | | | | |
| 8/8/12 | 10:02:31 AM | | | | |
| 8/8/12 | 10:03:31 AM | | | | |
| 8/8/12 | 10:04:31 AM | | | | |
| 8/8/12 | 10:05:31 AM | | | | |
| 8/8/12 | 10:06:31 AM | | | | |
| 8/8/12 | 10:07:31 AM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/8/12 10:08:31 AM | | | | |
| 8/8/12 10:09:31 AM | | | | |
| 8/8/12 10:10:31 AM | | | | |
| 8/8/12 10:11:31 AM | | | | |
| 8/8/12 10:12:31 AM | | | | |
| 8/8/12 10:13:31 AM | | | | |
| 8/8/12 10:14:31 AM | | | | |
| 8/8/12 10:15:31 AM | | | | |
| 8/8/12 10:16:31 AM | | | | |
| 8/8/12 10:17:31 AM | | | | |
| 8/8/12 10:18:31 AM | | | | |
| 8/8/12 10:19:31 AM | | | | |
| 8/8/12 10:20:31 AM | | | | |
| 8/8/12 10:21:31 AM | | | | |
| 8/8/12 10:22:31 AM | | | | |
| 8/8/12 10:23:31 AM | | | | |
| 8/8/12 No Data | | | | |
| 8/8/12 10:25:45 AM | | | | |
| 8/8/12 10:26:45 AM | | | | |
| 8/8/12 10:27:45 AM | | | | |
| 8/8/12 10:28:45 AM | | | | |
| 8/8/12 10:29:45 AM | End Calibration | | | |
| 8/8/12 10:30:45 AM | 0.27 | 240 | 440 | 14 |
| 8/8/12 10:31:45 AM | 0.27 | 240 | 450 | 14 |
| 8/8/12 10:32:45 AM | 0.27 | 240 | 458 | 14 |
| 8/8/12 10:33:45 AM | 0.27 | 240 | 465 | 14 |
| 8/8/12 10:34:45 AM | 0.27 | 241 | 470 | 14 |
| 8/8/12 10:35:45 AM | 0.27 | 241 | 476 | 14 |
| 8/8/12 10:36:45 AM | 0.27 | 241 | 478 | 14 |
| 8/8/12 10:37:45 AM | 0.28 | 242 | 482 | 14 |
| 8/8/12 10:38:45 AM | 0.27 | 240 | 485 | 14 |
| 8/8/12 10:39:45 AM | 0.27 | 240 | 487 | 14 |
| 8/8/12 10:40:45 AM | 0.27 | 240 | 490 | 14 |
| 8/8/12 10:41:45 AM | 0.27 | 240 | 492 | 14 |
| 8/8/12 10:42:45 AM | 0.27 | 240 | 493 | 14 |
| 8/8/12 10:43:45 AM | 0.27 | 240 | 494 | 14 |
| 8/8/12 10:44:45 AM | 0.27 | 239 | 496 | 14 |
| 8/8/12 10:45:45 AM | 0.27 | 239 | 496 | 15 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 10:46:45 AM | 0.27 | 239 | 497 | 15 |
| 8/8/12 | 10:47:45 AM | 0.27 | 238 | 498 | 15 |
| 8/8/12 | 10:48:45 AM | 0.27 | 238 | 498 | 15 |
| 8/8/12 | 10:49:45 AM | 0.27 | 238 | 498 | 15 |
| 8/8/12 | 10:50:45 AM | 0.27 | 238 | 499 | 15 |
| 8/8/12 | 10:51:45 AM | 0.27 | 238 | 500 | 15 |
| 8/8/12 | 10:52:45 AM | 0.27 | 238 | 501 | 15 |
| 8/8/12 | 10:53:45 AM | 0.27 | 238 | 501 | 15 |
| 8/8/12 | 10:54:45 AM | 0.27 | 238 | 502 | 15 |
| 8/8/12 | 10:55:45 AM | 0.27 | 238 | 502 | 15 |
| 8/8/12 | 10:56:45 AM | 0.28 | 238 | 505 | 15 |
| 8/8/12 | 10:57:45 AM | 0.27 | 238 | 504 | 15 |
| 8/8/12 | 10:58:45 AM | 0.27 | 238 | 504 | 15 |
| 8/8/12 | 10:59:45 AM | 0.26 | 238 | 506 | 15 |
| 8/8/12 | 11:00:45 AM | 0.27 | 239 | 505 | 15 |
| 8/8/12 | 11:01:45 AM | 0.27 | 239 | 506 | 15 |
| 8/8/12 | 11:02:45 AM | 0.28 | 239 | 507 | 14 |
| 8/8/12 | 11:03:45 AM | 0.27 | 238 | 507 | 14 |
| 8/8/12 | 11:04:45 AM | 0.28 | 237 | 507 | 14 |
| 8/8/12 | 11:05:45 AM | 0.28 | 237 | 508 | 14 |
| 8/8/12 | 11:06:45 AM | 0.28 | 236 | 508 | 14 |
| 8/8/12 | 11:07:45 AM | 0.28 | 235 | 509 | 14 |
| 8/8/12 | 11:08:45 AM | 0.28 | 236 | 508 | 14 |
| 8/8/12 | 11:09:45 AM | 0.28 | 235 | 508 | 14 |
| 8/8/12 | 11:10:45 AM | 0.28 | 235 | 507 | 14 |
| 8/8/12 | 11:11:45 AM | 0.28 | 236 | 507 | 14 |
| 8/8/12 | 11:12:45 AM | 0.27 | 236 | 506 | 14 |
| 8/8/12 | 11:13:45 AM | 0.28 | 235 | 508 | 14 |
| 8/8/12 | 11:14:45 AM | 0.28 | 236 | 508 | 14 |
| 8/8/12 | 11:15:45 AM | 0.27 | 236 | 509 | 14 |
| 8/8/12 | 11:16:45 AM | 0.27 | 237 | 510 | 14 |
| 8/8/12 | 11:17:45 AM | 0.28 | 238 | 511 | 14 |
| 8/8/12 | 11:18:45 AM | 0.27 | 238 | 514 | 15 |
| 8/8/12 | 11:19:45 AM | 0.27 | 236 | 512 | 15 |
| 8/8/12 | 11:20:45 AM | 0.27 | 234 | 508 | 14 |
| 8/8/12 | 11:21:45 AM | 0.27 | 234 | 507 | 14 |
| 8/8/12 | 11:22:45 AM | 0.27 | 234 | 506 | 14 |
| 8/8/12 | 11:23:45 AM | 0.27 | 233 | 506 | 14 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/8/12 11:24:45 AM | 0.27 | 233 | 505 | 14 |
| 8/8/12 11:25:45 AM | 0.27 | 233 | 508 | 14 |
| 8/8/12 11:26:45 AM | 0.27 | 234 | 507 | 14 |
| 8/8/12 11:27:45 AM | 0.27 | 235 | 507 | 14 |
| 8/8/12 11:28:45 AM | 0.27 | 235 | 508 | 14 |
| 8/8/12 11:29:45 AM | 0.27 | 235 | 510 | 14 |
| 8/8/12 11:30:45 AM | 0.27 | 236 | 509 | 14 |
| 8/8/12 11:31:45 AM | 0.28 | 235 | 508 | 14 |
| 8/8/12 11:32:45 AM | 0.27 | 236 | 509 | 14 |
| 8/8/12 11:33:45 AM | 0.27 | 236 | 510 | 14 |
| 8/8/12 11:34:45 AM | 0.27 | 236 | 510 | 14 |
| 8/8/12 11:35:45 AM | 0.27 | 236 | 510 | 14 |
| 8/8/12 11:36:45 AM | 0.27 | 237 | 509 | 14 |
| 8/8/12 11:37:45 AM | 0.27 | 237 | 273 | 14 |
| 8/8/12 11:38:45 AM | 0.27 | 236 | 1 | 9 |
| 8/8/12 11:39:45 AM | 0.27 | 236 | 27 | 0 |
| 8/8/12 11:40:45 AM | 0.27 | 237 | 476 | 0 |
| 8/8/12 11:41:45 AM | 0.27 | 237 | 518 | 6 |
| 8/8/12 11:42:45 AM | 0.27 | 238 | 520 | 15 |
| 8/8/12 11:43:45 AM | 0.28 | 238 | 521 | 15 |
| 8/8/12 11:44:45 AM | 0.27 | 237 | 522 | 15 |
| 8/8/12 11:45:45 AM | 0.27 | 237 | 523 | 15 |
| 8/8/12 11:46:45 AM | 0.27 | 236 | 526 | 15 |
| 8/8/12 11:47:45 AM | 0.27 | 236 | 523 | 15 |
| 8/8/12 11:48:45 AM | 0.27 | 237 | 522 | 15 |
| 8/8/12 11:49:45 AM | 0.27 | 237 | 522 | 15 |
| 8/8/12 11:50:45 AM | 0.27 | 237 | 522 | 15 |
| 8/8/12 11:51:45 AM | 0.27 | 237 | 523 | 15 |
| 8/8/12 11:52:45 AM | 0.28 | 237 | 514 | 15 |
| 8/8/12 11:53:45 AM | 0.27 | 236 | 474 | 14 |
| 8/8/12 11:54:45 AM | 0.28 | 236 | 495 | 12 |
| 8/8/12 11:55:45 AM | 0.28 | 235 | 504 | 12 |
| 8/8/12 11:56:45 AM | 0.28 | 235 | 509 | 13 |
| 8/8/12 11:57:45 AM | 0.27 | 235 | 513 | 15 |
| 8/8/12 11:58:45 AM | 0.27 | 235 | 514 | 15 |
| 8/8/12 11:59:45 AM | 0.27 | 234 | 514 | 15 |
| 8/8/12 12:00:45 PM | 0.27 | 234 | 515 | 15 |
| 8/8/12 12:01:45 PM | 0.27 | 234 | 516 | 15 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 12:02:45 PM | 0.27 | 233 | 516 | 15 |
| 8/8/12 | 12:03:45 PM | 0.27 | 234 | 517 | 15 |
| 8/8/12 | 12:04:45 PM | 0.26 | 234 | 517 | 15 |
| 8/8/12 | 12:05:45 PM | 0.27 | 234 | 519 | 15 |
| 8/8/12 | 12:06:45 PM | 0.27 | 234 | 520 | 15 |
| 8/8/12 | 12:07:45 PM | 0.27 | 234 | 521 | 15 |
| 8/8/12 | 12:08:45 PM | 0.27 | 235 | 523 | 15 |
| 8/8/12 | 12:09:45 PM | 0.27 | 234 | 522 | 15 |
| 8/8/12 | 12:10:45 PM | 0.28 | 235 | 524 | 15 |
| 8/8/12 | 12:11:45 PM | 0.27 | 235 | 523 | 15 |
| 8/8/12 | 12:12:45 PM | 0.28 | 236 | 526 | 15 |
| 8/8/12 | 12:13:45 PM | 0.27 | 236 | 526 | 15 |
| 8/8/12 | 12:14:45 PM | 0.28 | 236 | 526 | 15 |
| 8/8/12 | 12:15:45 PM | 0.27 | 236 | 527 | 15 |
| 8/8/12 | 12:16:45 PM | 0.28 | 235 | 526 | 15 |
| 8/8/12 | 12:17:45 PM | 0.27 | 235 | 525 | 15 |
| 8/8/12 | 12:18:45 PM | 0.27 | 235 | 525 | 15 |
| 8/8/12 | 12:19:45 PM | 0.27 | 235 | 524 | 15 |
| 8/8/12 | 12:20:45 PM | 0.27 | 236 | 526 | 15 |
| 8/8/12 | 12:21:45 PM | 0.27 | 237 | 528 | 15 |
| 8/8/12 | 12:22:45 PM | 0.27 | 238 | 530 | 15 |
| 8/8/12 | 12:23:45 PM | 0.27 | 238 | 531 | 15 |
| 8/8/12 | 12:24:45 PM | 0.27 | 236 | 530 | 15 |
| 8/8/12 | 12:25:45 PM | 0.27 | 236 | 528 | 15 |
| 8/8/12 | 12:26:45 PM | 0.27 | 235 | 527 | 15 |
| 8/8/12 | 12:27:45 PM | 0.27 | 235 | 526 | 15 |
| 8/8/12 | 12:28:45 PM | 0.27 | 235 | 524 | 15 |
| 8/8/12 | 12:29:45 PM | 0.27 | 233 | 522 | 15 |
| 8/8/12 | 12:30:45 PM | 0.27 | 232 | 521 | 15 |
| 8/8/12 | 12:31:45 PM | 0.27 | 232 | 519 | 15 |
| 8/8/12 | 12:32:45 PM | 0.27 | 232 | 519 | 15 |
| 8/8/12 | 12:33:45 PM | 0.27 | 233 | 520 | 15 |
| 8/8/12 | 12:34:45 PM | 0.27 | 231 | 519 | 15 |
| 8/8/12 | 12:35:45 PM | 0.27 | 231 | 515 | 15 |
| 8/8/12 | 12:36:45 PM | 0.27 | 230 | 514 | 15 |
| 8/8/12 | 12:37:45 PM | 0.27 | 231 | 513 | 15 |
| 8/8/12 | 12:38:45 PM | 0.27 | 233 | 515 | 15 |
| 8/8/12 | 12:39:45 PM | 0.27 | 233 | 517 | 15 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 12:40:45 PM | 0.27 | 234 | 515 | 15 |
| 8/8/12 | 12:41:45 PM | 0.27 | 233 | 515 | 15 |
| 8/8/12 | 12:42:45 PM | 0.27 | 232 | 515 | 15 |
| 8/8/12 | 12:43:45 PM | 0.27 | 232 | 514 | 15 |
| 8/8/12 | 12:44:45 PM | 0.27 | 233 | 513 | 15 |
| 8/8/12 | 12:45:45 PM | 0.28 | 233 | 511 | 15 |
| 8/8/12 | 12:46:45 PM | 0.28 | 232 | 513 | 15 |
| 8/8/12 | 12:47:45 PM | 0.28 | 232 | 512 | 15 |
| 8/8/12 | 12:48:45 PM | 0.27 | 232 | 513 | 15 |
| 8/8/12 | 12:49:45 PM | 0.27 | 233 | 514 | 15 |
| 8/8/12 | 12:50:45 PM | 0.27 | 233 | 513 | 15 |
| 8/8/12 | 12:51:45 PM | 0.27 | 232 | 514 | 15 |
| 8/8/12 | 12:52:45 PM | 0.27 | 231 | 513 | 15 |
| 8/8/12 | 12:53:45 PM | 0.27 | 231 | 511 | 15 |
| 8/8/12 | 12:54:45 PM | 0.28 | 231 | 511 | 15 |
| 8/8/12 | 12:55:45 PM | 0.28 | 231 | 510 | 15 |
| 8/8/12 | 12:56:45 PM | 0.28 | 230 | 512 | 15 |
| 8/8/12 | 12:57:45 PM | 0.28 | 228 | 507 | 15 |
| 8/8/12 | 12:58:45 PM | 0.28 | 228 | 506 | 15 |
| 8/8/12 | 12:59:45 PM | 0.27 | 228 | 507 | 15 |
| 8/8/12 | 1:00:45 PM | 0.28 | 228 | 509 | 15 |
| 8/8/12 | 1:01:45 PM | 0.28 | 228 | 509 | 15 |
| 8/8/12 | 1:02:45 PM | 0.28 | 227 | 507 | 15 |
| 8/8/12 | 1:03:45 PM | 0.27 | 227 | 507 | 15 |
| 8/8/12 | 1:04:45 PM | 0.27 | 227 | 507 | 15 |
| 8/8/12 | 1:05:45 PM | 0.28 | 226 | 507 | 15 |
| 8/8/12 | 1:06:45 PM | 0.28 | 227 | 506 | 15 |
| 8/8/12 | 1:07:45 PM | 0.28 | 228 | 506 | 15 |
| 8/8/12 | 1:08:45 PM | 0.28 | 227 | 504 | 15 |
| 8/8/12 | 1:09:45 PM | 0.28 | 228 | 502 | 15 |
| 8/8/12 | 1:10:45 PM | 0.28 | 229 | 504 | 15 |
| 8/8/12 | 1:11:45 PM | 0.27 | 230 | 504 | 15 |
| 8/8/12 | 1:12:45 PM | 0.28 | 229 | 504 | 15 |
| 8/8/12 | 1:13:45 PM | 0.28 | 228 | 502 | 15 |
| 8/8/12 | 1:14:45 PM | 0.27 | 228 | 502 | 15 |
| 8/8/12 | 1:15:45 PM | 0.27 | 228 | 502 | 15 |
| 8/8/12 | 1:16:45 PM | 0.27 | 229 | 502 | 15 |
| 8/8/12 | 1:17:45 PM | 0.27 | 230 | 505 | 15 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 1:18:45 PM | 0.27 | 231 | 505 | 15 |
| 8/8/12 | 1:19:45 PM | 0.28 | 231 | 506 | 15 |
| 8/8/12 | 1:20:45 PM | 0.28 | 232 | 508 | 15 |
| 8/8/12 | 1:21:45 PM | 0.27 | 232 | 509 | 15 |
| 8/8/12 | 1:22:45 PM | 0.27 | 231 | 511 | 15 |
| 8/8/12 | 1:23:45 PM | 0.27 | 230 | 509 | 15 |
| 8/8/12 | 1:24:45 PM | 0.27 | 232 | 508 | 15 |
| 8/8/12 | 1:25:45 PM | 0.27 | 232 | 507 | 15 |
| 8/8/12 | 1:26:45 PM | 0.27 | 233 | 508 | 15 |
| 8/8/12 | 1:27:45 PM | 0.27 | 231 | 507 | 15 |
| 8/8/12 | 1:28:45 PM | 0.27 | 231 | 504 | 15 |
| 8/8/12 | 1:29:45 PM | 0.28 | 230 | 502 | 15 |
| 8/8/12 | 1:30:45 PM | 0.28 | 229 | 500 | 15 |
| 8/8/12 | 1:31:45 PM | 0.27 | 228 | 500 | 15 |
| 8/8/12 | 1:32:45 PM | 0.28 | 228 | 505 | 15 |
| 8/8/12 | 1:33:45 PM | 0.28 | 228 | 502 | 15 |
| 8/8/12 | 1:34:45 PM | 0.28 | 228 | 502 | 15 |
| 8/8/12 | 1:35:45 PM | 0.27 | 229 | 502 | 15 |
| 8/8/12 | 1:36:45 PM | 0.27 | 229 | 502 | 15 |
| 8/8/12 | 1:37:45 PM | 0.28 | 231 | 502 | 15 |
| 8/8/12 | 1:38:45 PM | 0.28 | 231 | 504 | 15 |
| 8/8/12 | 1:39:45 PM | 0.27 | 230 | 502 | 15 |
| 8/8/12 | 1:40:45 PM | 0.28 | 230 | 503 | 15 |
| 8/8/12 | 1:41:45 PM | 0.27 | 230 | 502 | 15 |
| 8/8/12 | 1:42:45 PM | 0.27 | 229 | 501 | 14 |
| 8/8/12 | 1:43:45 PM | 0.28 | 227 | 501 | 14 |
| 8/8/12 | 1:44:45 PM | 0.27 | 228 | 501 | 14 |
| 8/8/12 | 1:45:45 PM | 0.28 | 229 | 502 | 14 |
| 8/8/12 | 1:46:45 PM | 0.28 | 228 | 504 | 14 |
| 8/8/12 | 1:47:45 PM | 0.27 | 229 | 505 | 14 |
| 8/8/12 | 1:48:45 PM | 0.28 | 230 | 504 | 14 |
| 8/8/12 | 1:49:45 PM | 0.28 | 231 | 505 | 14 |
| 8/8/12 | 1:50:45 PM | 0.27 | 230 | 504 | 14 |
| 8/8/12 | 1:51:45 PM | 0.27 | 231 | 505 | 14 |
| 8/8/12 | 1:52:45 PM | 0.27 | 231 | 505 | 14 |
| 8/8/12 | 1:53:45 PM | 0.27 | 231 | 505 | 14 |
| 8/8/12 | 1:54:45 PM | 0.27 | 231 | 504 | 14 |
| 8/8/12 | 1:55:45 PM | 0.28 | 231 | 504 | 14 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 1:56:45 PM | 0.28 | 230 | 502 | 14 |
| 8/8/12 | 1:57:45 PM | 0.27 | 229 | 503 | 14 |
| 8/8/12 | 1:58:45 PM | 0.28 | 229 | 503 | 14 |
| 8/8/12 | 1:59:45 PM | 0.28 | 229 | 505 | 14 |
| 8/8/12 | 2:00:45 PM | 0.27 | 229 | 506 | 14 |
| 8/8/12 | 2:01:45 PM | 0.27 | 230 | 506 | 14 |
| 8/8/12 | 2:02:45 PM | 0.28 | 230 | 509 | 15 |
| 8/8/12 | 2:03:45 PM | 0.28 | 229 | 509 | 15 |
| 8/8/12 | 2:04:45 PM | 0.28 | 229 | 507 | 15 |
| 8/8/12 | 2:05:45 PM | 0.27 | 228 | 507 | 15 |
| 8/8/12 | 2:06:45 PM | 0.27 | 228 | 505 | 15 |
| 8/8/12 | 2:07:45 PM | 0.27 | 228 | 503 | 15 |
| 8/8/12 | 2:08:45 PM | 0.27 | 227 | 502 | 15 |
| 8/8/12 | 2:09:45 PM | 0.27 | 227 | 502 | 15 |
| 8/8/12 | 2:10:45 PM | 0.28 | 226 | 501 | 15 |
| 8/8/12 | 2:11:45 PM | 0.28 | 225 | 500 | 15 |
| 8/8/12 | 2:12:45 PM | 0.27 | 225 | 496 | 15 |
| 8/8/12 | 2:13:45 PM | 0.28 | 226 | 496 | 15 |
| 8/8/12 | 2:14:45 PM | 0.27 | 226 | 496 | 14 |
| 8/8/12 | 2:15:45 PM | 0.28 | 226 | 498 | 14 |
| 8/8/12 | 2:16:45 PM | 0.27 | 227 | 496 | 14 |
| 8/8/12 | 2:17:45 PM | 0.27 | 227 | 497 | 14 |
| 8/8/12 | 2:18:45 PM | 0.28 | 226 | 497 | 14 |
| 8/8/12 | 2:19:45 PM | 0.28 | 227 | 497 | 14 |
| 8/8/12 | 2:20:45 PM | 0.28 | 229 | 498 | 14 |
| 8/8/12 | 2:21:45 PM | 0.28 | 229 | 500 | 14 |
| 8/8/12 | 2:22:45 PM | 0.27 | 228 | 498 | 14 |
| 8/8/12 | 2:23:45 PM | 0.28 | 227 | 497 | 14 |
| 8/8/12 | 2:24:45 PM | 0.27 | 228 | 499 | 14 |
| 8/8/12 | 2:25:45 PM | 0.27 | 229 | 501 | 14 |
| 8/8/12 | 2:26:45 PM | 0.27 | 228 | 502 | 14 |
| 8/8/12 | 2:27:45 PM | 0.28 | 228 | 499 | 14 |
| 8/8/12 | 2:28:45 PM | 0.28 | 227 | 497 | 14 |
| 8/8/12 | 2:29:45 PM | 0.28 | 226 | 499 | 14 |
| 8/8/12 | 2:30:45 PM | 0.27 | 226 | 497 | 14 |
| 8/8/12 | 2:31:45 PM | 0.27 | 227 | 496 | 14 |
| 8/8/12 | 2:32:45 PM | 0.27 | 228 | 497 | 14 |
| 8/8/12 | 2:33:45 PM | 0.28 | 228 | 499 | 14 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 2:34:45 PM | 0.28 | 227 | 497 | 14 |
| 8/8/12 | 2:35:45 PM | 0.27 | 226 | 494 | 14 |
| 8/8/12 | 2:36:45 PM | 0.28 | 226 | 492 | 14 |
| 8/8/12 | 2:37:45 PM | 0.27 | 227 | 495 | 14 |
| 8/8/12 | 2:38:45 PM | 0.27 | 227 | 495 | 14 |
| 8/8/12 | 2:39:45 PM | 0.28 | 227 | 494 | 14 |
| 8/8/12 | 2:40:45 PM | 0.28 | 227 | 494 | 14 |
| 8/8/12 | 2:41:45 PM | 0.28 | 227 | 493 | 14 |
| 8/8/12 | 2:42:45 PM | 0.27 | 226 | 493 | 14 |
| 8/8/12 | 2:43:45 PM | 0.27 | 224 | 491 | 14 |
| 8/8/12 | 2:44:45 PM | 0.28 | 225 | 491 | 14 |
| 8/8/12 | 2:45:45 PM | 0.28 | 226 | 491 | 14 |
| 8/8/12 | 2:46:45 PM | 0.28 | 226 | 491 | 14 |
| 8/8/12 | 2:47:45 PM | 0.28 | 226 | 492 | 14 |
| 8/8/12 | 2:48:45 PM | 0.27 | 225 | 491 | 14 |
| 8/8/12 | 2:49:45 PM | 0.27 | 224 | 490 | 14 |
| 8/8/12 | 2:50:45 PM | 0.27 | 224 | 490 | 14 |
| 8/8/12 | 2:51:45 PM | 0.28 | 224 | 488 | 14 |
| 8/8/12 | 2:52:45 PM | 0.28 | 224 | 489 | 14 |
| 8/8/12 | 2:53:45 PM | 0.28 | 224 | 488 | 13 |
| 8/8/12 | 2:54:45 PM | 0.28 | 224 | 487 | 13 |
| 8/8/12 | 2:55:45 PM | 0.28 | 225 | 487 | 13 |
| 8/8/12 | 2:56:45 PM | 0.28 | 227 | 491 | 13 |
| 8/8/12 | 2:57:45 PM | 0.27 | 228 | 493 | 13 |
| 8/8/12 | 2:58:45 PM | 0.27 | 228 | 495 | 13 |
| 8/8/12 | 2:59:45 PM | 0.27 | 228 | 498 | 13 |
| 8/8/12 | 3:00:45 PM | 0.27 | 228 | 495 | 13 |
| 8/8/12 | 3:01:45 PM | 0.27 | 227 | 495 | 13 |
| 8/8/12 | 3:02:45 PM | 0.28 | 226 | 492 | 13 |
| 8/8/12 | 3:03:45 PM | 0.28 | 225 | 490 | 13 |
| 8/8/12 | 3:04:45 PM | 0.28 | 225 | 490 | 13 |
| 8/8/12 | 3:05:45 PM | 0.27 | 224 | 487 | 13 |
| 8/8/12 | 3:06:45 PM | 0.28 | 224 | 487 | 13 |
| 8/8/12 | 3:07:45 PM | 0.28 | 225 | 490 | 13 |
| 8/8/12 | 3:08:45 PM | 0.28 | 225 | 492 | 13 |
| 8/8/12 | 3:09:45 PM | 0.28 | 225 | 492 | 13 |
| 8/8/12 | 3:10:45 PM | 0.28 | 225 | 491 | 13 |
| 8/8/12 | 3:11:45 PM | 0.27 | 224 | 492 | 14 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 3:12:45 PM | 0.28 | 224 | 491 | 14 |
| 8/8/12 | 3:13:45 PM | 0.28 | 225 | 492 | 14 |
| 8/8/12 | 3:14:45 PM | 0.28 | 225 | 494 | 14 |
| 8/8/12 | 3:15:45 PM | 0.28 | 224 | 498 | 13 |
| 8/8/12 | 3:16:45 PM | 0.28 | 224 | 497 | 13 |
| 8/8/12 | 3:17:45 PM | 0.28 | 224 | 494 | 13 |
| 8/8/12 | 3:18:45 PM | 0.28 | 223 | 495 | 13 |
| 8/8/12 | 3:19:45 PM | 0.28 | 223 | 494 | 13 |
| 8/8/12 | 3:20:45 PM | 0.28 | 225 | 496 | 13 |
| 8/8/12 | 3:21:45 PM | 0.28 | 225 | 496 | 13 |
| 8/8/12 | 3:22:45 PM | 0.28 | 225 | 496 | 13 |
| 8/8/12 | 3:23:45 PM | 0.28 | 226 | 499 | 13 |
| 8/8/12 | 3:24:45 PM | 0.28 | 225 | 498 | 13 |
| 8/8/12 | 3:25:45 PM | 0.28 | 226 | 497 | 13 |
| 8/8/12 | 3:26:45 PM | 0.28 | 226 | 499 | 13 |
| 8/8/12 | 3:27:45 PM | 0.28 | 225 | 497 | 13 |
| 8/8/12 | 3:28:45 PM | 0.28 | 227 | 496 | 13 |
| 8/8/12 | 3:29:45 PM | 0.28 | 226 | 498 | 13 |
| 8/8/12 | 3:30:45 PM | 0.27 | 226 | 497 | 13 |
| 8/8/12 | 3:31:45 PM | 0.27 | 227 | 499 | 13 |
| 8/8/12 | 3:32:45 PM | 0.28 | 228 | 497 | 13 |
| 8/8/12 | 3:33:45 PM | 0.27 | 230 | 501 | 13 |
| 8/8/12 | 3:34:45 PM | 0.27 | 229 | 502 | 13 |
| 8/8/12 | 3:35:45 PM | 0.27 | 229 | 502 | 14 |
| 8/8/12 | 3:36:45 PM | 0.28 | 227 | 501 | 14 |
| 8/8/12 | 3:37:45 PM | 0.27 | 227 | 499 | 14 |
| 8/8/12 | 3:38:45 PM | 0.28 | 227 | 501 | 14 |
| 8/8/12 | 3:39:45 PM | 0.28 | 228 | 501 | 14 |
| 8/8/12 | 3:40:45 PM | 0.28 | 229 | 501 | 14 |
| 8/8/12 | 3:41:45 PM | 0.27 | 230 | 504 | 13 |
| 8/8/12 | 3:42:45 PM | 0.28 | 229 | 508 | 13 |
| 8/8/12 | 3:43:45 PM | 0.28 | 228 | 503 | 13 |
| 8/8/12 | 3:44:45 PM | 0.28 | 226 | 504 | 13 |
| 8/8/12 | 3:45:45 PM | 0.28 | 224 | 502 | 14 |
| 8/8/12 | 3:46:45 PM | 0.28 | 223 | 499 | 14 |
| 8/8/12 | 3:47:45 PM | 0.28 | 223 | 498 | 14 |
| 8/8/12 | 3:48:45 PM | 0.28 | 224 | 498 | 14 |
| 8/8/12 | 3:49:45 PM | 0.28 | 224 | 498 | 14 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 3:50:45 PM | 0.28 | 225 | 499 | 14 |
| 8/8/12 | 3:51:45 PM | 0.28 | 226 | 498 | 14 |
| 8/8/12 | 3:52:45 PM | 0.28 | 224 | 497 | 14 |
| 8/8/12 | 3:53:45 PM | 0.28 | 223 | 496 | 14 |
| 8/8/12 | 3:54:45 PM | 0.28 | 223 | 493 | 14 |
| 8/8/12 | 3:55:45 PM | 0.28 | 224 | 492 | 14 |
| 8/8/12 | 3:56:45 PM | 0.28 | 226 | 496 | 14 |
| 8/8/12 | 3:57:45 PM | 0.27 | 227 | 498 | 13 |
| 8/8/12 | 3:58:45 PM | 0.27 | 229 | 501 | 13 |
| 8/8/12 | 3:59:45 PM | 0.28 | 229 | 501 | 14 |
| 8/8/12 | 4:00:45 PM | 0.28 | 227 | 502 | 14 |
| 8/8/12 | 4:01:45 PM | 0.28 | 227 | 501 | 14 |
| 8/8/12 | 4:02:45 PM | 0.28 | 225 | 501 | 14 |
| 8/8/12 | 4:03:45 PM | 0.28 | 227 | 499 | 13 |
| 8/8/12 | 4:04:45 PM | 0.28 | 226 | 503 | 13 |
| 8/8/12 | 4:05:45 PM | 0.28 | 226 | 501 | 14 |
| 8/8/12 | 4:06:45 PM | 0.28 | 228 | 501 | 14 |
| 8/8/12 | 4:07:45 PM | 0.28 | 228 | 501 | 14 |
| 8/8/12 | 4:08:45 PM | 0.28 | 229 | 502 | 14 |
| 8/8/12 | 4:09:45 PM | 0.28 | 228 | 502 | 13 |
| 8/8/12 | 4:10:45 PM | 0.28 | 227 | 502 | 13 |
| 8/8/12 | 4:11:45 PM | 0.28 | 228 | 501 | 13 |
| 8/8/12 | 4:12:45 PM | 0.28 | 227 | 502 | 13 |
| 8/8/12 | 4:13:45 PM | 0.28 | 227 | 504 | 13 |
| 8/8/12 | 4:14:45 PM | 0.28 | 228 | 502 | 13 |
| 8/8/12 | 4:15:45 PM | 0.29 | 228 | 503 | 13 |
| 8/8/12 | 4:16:45 PM | 0.28 | 228 | 500 | 13 |
| 8/8/12 | 4:17:45 PM | 0.28 | 229 | 501 | 13 |
| 8/8/12 | 4:18:45 PM | 0.28 | 228 | 501 | 13 |
| 8/8/12 | 4:19:45 PM | 0.28 | 227 | 499 | 13 |
| 8/8/12 | 4:20:45 PM | 0.28 | 226 | 496 | 13 |
| 8/8/12 | 4:21:45 PM | 0.27 | 226 | 497 | 13 |
| 8/8/12 | 4:22:45 PM | 0.28 | 226 | 496 | 13 |
| 8/8/12 | 4:23:45 PM | 0.28 | 225 | 495 | 13 |
| 8/8/12 | 4:24:45 PM | 0.28 | 226 | 496 | 13 |
| 8/8/12 | 4:25:45 PM | 0.28 | 227 | 496 | 13 |
| 8/8/12 | 4:26:45 PM | 0.27 | 228 | 497 | 13 |
| 8/8/12 | 4:27:45 PM | 0.27 | 229 | 498 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 4:28:45 PM | 0.27 | 230 | 502 | 13 |
| 8/8/12 | 4:29:45 PM | 0.27 | 230 | 504 | 13 |
| 8/8/12 | 4:30:45 PM | 0.28 | 230 | 505 | 14 |
| 8/8/12 | 4:31:45 PM | 0.28 | 231 | 505 | 14 |
| 8/8/12 | 4:32:45 PM | 0.27 | 231 | 506 | 14 |
| 8/8/12 | 4:33:45 PM | 0.28 | 230 | 507 | 13 |
| 8/8/12 | 4:34:45 PM | 0.28 | 230 | 506 | 13 |
| 8/8/12 | 4:35:45 PM | 0.28 | 229 | 504 | 13 |
| 8/8/12 | 4:36:45 PM | 0.28 | 228 | 502 | 13 |
| 8/8/12 | 4:37:45 PM | 0.28 | 227 | 501 | 13 |
| 8/8/12 | 4:38:45 PM | 0.28 | 227 | 499 | 13 |
| 8/8/12 | 4:39:45 PM | 0.28 | 226 | 498 | 13 |
| 8/8/12 | 4:40:45 PM | 0.28 | 226 | 497 | 13 |
| 8/8/12 | 4:41:45 PM | 0.28 | 226 | 497 | 13 |
| 8/8/12 | 4:42:45 PM | 0.27 | 226 | 496 | 13 |
| 8/8/12 | 4:43:45 PM | 0.29 | 225 | 495 | 13 |
| 8/8/12 | 4:44:45 PM | 0.28 | 225 | 495 | 13 |
| 8/8/12 | 4:45:45 PM | 0.28 | 224 | 494 | 13 |
| 8/8/12 | 4:46:45 PM | 0.28 | 224 | 493 | 13 |
| 8/8/12 | 4:47:45 PM | 0.28 | 225 | 492 | 13 |
| 8/8/12 | 4:48:45 PM | 0.29 | 224 | 491 | 13 |
| 8/8/12 | 4:49:45 PM | 0.28 | 224 | 492 | 13 |
| 8/8/12 | 4:50:45 PM | 0.28 | 223 | 490 | 13 |
| 8/8/12 | 4:51:45 PM | 0.28 | 223 | 492 | 13 |
| 8/8/12 | 4:52:45 PM | 0.28 | 222 | 490 | 13 |
| 8/8/12 | 4:53:45 PM | 0.28 | 222 | 491 | 13 |
| 8/8/12 | 4:54:45 PM | 0.28 | 221 | 490 | 13 |
| 8/8/12 | 4:55:45 PM | 0.28 | 221 | 490 | 13 |
| 8/8/12 | 4:56:45 PM | 0.28 | 220 | 488 | 13 |
| 8/8/12 | 4:57:45 PM | 0.28 | 220 | 489 | 13 |
| 8/8/12 | 4:58:45 PM | 0.28 | 221 | 489 | 13 |
| 8/8/12 | 4:59:45 PM | 0.28 | 222 | 489 | 13 |
| 8/8/12 | 5:00:45 PM | 0.28 | 222 | 491 | 13 |
| 8/8/12 | 5:01:45 PM | 0.28 | 222 | 493 | 13 |
| 8/8/12 | 5:02:45 PM | 0.28 | 222 | 493 | 13 |
| 8/8/12 | 5:03:45 PM | 0.29 | 221 | 493 | 13 |
| 8/8/12 | 5:04:45 PM | 0.28 | 221 | 493 | 13 |
| 8/8/12 | 5:05:45 PM | 0.28 | 222 | 493 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 5:06:45 PM | 0.28 | 221 | 495 | 13 |
| 8/8/12 | 5:07:45 PM | 0.28 | 220 | 495 | 13 |
| 8/8/12 | 5:08:45 PM | 0.29 | 221 | 498 | 13 |
| 8/8/12 | 5:09:45 PM | 0.28 | 221 | 497 | 13 |
| 8/8/12 | 5:10:45 PM | 0.28 | 221 | 497 | 13 |
| 8/8/12 | 5:11:45 PM | 0.28 | 220 | 496 | 13 |
| 8/8/12 | 5:12:45 PM | 0.28 | 221 | 496 | 13 |
| 8/8/12 | 5:13:45 PM | 0.28 | 220 | 497 | 13 |
| 8/8/12 | 5:14:45 PM | 0.28 | 220 | 497 | 13 |
| 8/8/12 | 5:15:45 PM | 0.28 | 220 | 495 | 14 |
| 8/8/12 | 5:16:45 PM | 0.28 | 222 | 496 | 14 |
| 8/8/12 | 5:17:45 PM | 0.28 | 223 | 499 | 14 |
| 8/8/12 | 5:18:45 PM | 0.28 | 223 | 504 | 14 |
| 8/8/12 | 5:19:45 PM | 0.28 | 223 | 502 | 14 |
| 8/8/12 | 5:20:45 PM | 0.28 | 224 | 504 | 13 |
| 8/8/12 | 5:21:45 PM | 0.28 | 225 | 505 | 13 |
| 8/8/12 | 5:22:45 PM | 0.28 | 224 | 505 | 13 |
| 8/8/12 | 5:23:45 PM | 0.28 | 224 | 504 | 13 |
| 8/8/12 | 5:24:45 PM | 0.28 | 225 | 505 | 14 |
| 8/8/12 | 5:25:45 PM | 0.28 | 225 | 506 | 14 |
| 8/8/12 | 5:26:45 PM | 0.28 | 224 | 504 | 13 |
| 8/8/12 | 5:27:45 PM | 0.28 | 225 | 504 | 13 |
| 8/8/12 | 5:28:45 PM | 0.28 | 226 | 506 | 13 |
| 8/8/12 | 5:29:45 PM | 0.28 | 225 | 504 | 13 |
| 8/8/12 | 5:30:45 PM | 0.27 | 224 | 503 | 13 |
| 8/8/12 | 5:31:45 PM | 0.28 | 223 | 503 | 13 |
| 8/8/12 | 5:32:45 PM | 0.28 | 222 | 503 | 13 |
| 8/8/12 | 5:33:45 PM | 0.28 | 220 | 502 | 14 |
| 8/8/12 | 5:34:45 PM | 0.28 | 220 | 500 | 14 |
| 8/8/12 | 5:35:45 PM | 0.28 | 221 | 499 | 14 |
| 8/8/12 | 5:36:45 PM | 0.28 | 221 | 499 | 14 |
| 8/8/12 | 5:37:45 PM | 0.28 | 222 | 499 | 14 |
| 8/8/12 | 5:38:45 PM | 0.28 | 223 | 498 | 14 |
| 8/8/12 | 5:39:45 PM | 0.28 | 224 | 501 | 14 |
| 8/8/12 | 5:40:45 PM | 0.28 | 225 | 503 | 14 |
| 8/8/12 | 5:41:45 PM | 0.28 | 226 | 504 | 14 |
| 8/8/12 | 5:42:45 PM | 0.28 | 227 | 507 | 14 |
| 8/8/12 | 5:43:45 PM | 0.28 | 227 | 505 | 14 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 5:44:45 PM | 0.28 | 226 | 504 | 14 |
| 8/8/12 | 5:45:45 PM | 0.28 | 227 | 505 | 14 |
| 8/8/12 | 5:46:45 PM | 0.27 | 228 | 506 | 14 |
| 8/8/12 | 5:47:45 PM | 0.28 | 228 | 505 | 14 |
| 8/8/12 | 5:48:45 PM | 0.28 | 227 | 506 | 14 |
| 8/8/12 | 5:49:45 PM | 0.28 | 225 | 504 | 14 |
| 8/8/12 | 5:50:45 PM | 0.28 | 225 | 501 | 14 |
| 8/8/12 | 5:51:45 PM | 0.28 | 223 | 502 | 14 |
| 8/8/12 | 5:52:45 PM | 0.28 | 222 | 496 | 14 |
| 8/8/12 | 5:53:45 PM | 0.28 | 222 | 494 | 13 |
| 8/8/12 | 5:54:45 PM | 0.28 | 222 | 493 | 13 |
| 8/8/12 | 5:55:45 PM | 0.28 | 223 | 497 | 13 |
| 8/8/12 | 5:56:45 PM | 0.28 | 223 | 495 | 13 |
| 8/8/12 | 5:57:45 PM | 0.28 | 222 | 492 | 13 |
| 8/8/12 | 5:58:45 PM | 0.27 | 222 | 493 | 13 |
| 8/8/12 | 5:59:45 PM | 0.28 | 223 | 493 | 13 |
| 8/8/12 | 6:00:45 PM | 0.28 | 224 | 494 | 14 |
| 8/8/12 | 6:01:45 PM | 0.28 | 224 | 493 | 14 |
| 8/8/12 | 6:02:45 PM | 0.28 | 224 | 494 | 13 |
| 8/8/12 | 6:03:45 PM | 0.28 | 223 | 495 | 13 |
| 8/8/12 | 6:04:45 PM | 0.28 | 223 | 496 | 13 |
| 8/8/12 | 6:05:45 PM | 0.28 | 222 | 495 | 13 |
| 8/8/12 | 6:06:45 PM | 0.28 | 221 | 493 | 13 |
| 8/8/12 | 6:07:45 PM | 0.28 | 220 | 492 | 13 |
| 8/8/12 | 6:08:45 PM | 0.28 | 221 | 492 | 13 |
| 8/8/12 | 6:09:45 PM | 0.28 | 222 | 492 | 13 |
| 8/8/12 | 6:10:45 PM | 0.28 | 221 | 491 | 13 |
| 8/8/12 | 6:11:45 PM | 0.28 | 221 | 493 | 13 |
| 8/8/12 | 6:12:45 PM | 0.28 | 222 | 492 | 13 |
| 8/8/12 | 6:13:45 PM | 0.28 | 222 | 492 | 13 |
| 8/8/12 | 6:14:45 PM | 0.28 | 222 | 492 | 13 |
| 8/8/12 | 6:15:45 PM | 0.28 | 221 | 492 | 13 |
| 8/8/12 | 6:16:45 PM | 0.28 | 222 | 493 | 13 |
| 8/8/12 | 6:17:45 PM | 0.28 | 223 | 492 | 13 |
| 8/8/12 | 6:18:45 PM | 0.28 | 223 | 492 | 13 |
| 8/8/12 | 6:19:45 PM | 0.28 | 223 | 492 | 13 |
| 8/8/12 | 6:20:45 PM | 0.28 | 222 | 491 | 13 |
| 8/8/12 | 6:21:45 PM | 0.28 | 221 | 491 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 6:22:45 PM | 0.28 | 221 | 490 | 13 |
| 8/8/12 | 6:23:45 PM | 0.28 | 222 | 490 | 13 |
| 8/8/12 | 6:24:45 PM | 0.28 | 222 | 488 | 13 |
| 8/8/12 | 6:25:45 PM | 0.28 | 222 | 488 | 13 |
| 8/8/12 | 6:26:45 PM | 0.28 | 222 | 487 | 13 |
| 8/8/12 | 6:27:45 PM | 0.28 | 223 | 488 | 13 |
| 8/8/12 | 6:28:45 PM | 0.28 | 222 | 489 | 13 |
| 8/8/12 | 6:29:45 PM | 0.28 | 222 | 488 | 13 |
| 8/8/12 | 6:30:45 PM | 0.28 | 223 | 487 | 13 |
| 8/8/12 | 6:31:45 PM | 0.28 | 222 | 489 | 13 |
| 8/8/12 | 6:32:45 PM | 0.28 | 221 | 493 | 13 |
| 8/8/12 | 6:33:45 PM | 0.28 | 221 | 489 | 13 |
| 8/8/12 | 6:34:45 PM | 0.28 | 221 | 489 | 13 |
| 8/8/12 | 6:35:45 PM | 0.28 | 221 | 489 | 13 |
| 8/8/12 | 6:36:45 PM | 0.28 | 222 | 491 | 13 |
| 8/8/12 | 6:37:45 PM | 0.28 | 222 | 489 | 13 |
| 8/8/12 | 6:38:45 PM | 0.28 | 221 | 489 | 13 |
| 8/8/12 | 6:39:45 PM | 0.28 | 221 | 488 | 13 |
| 8/8/12 | 6:40:45 PM | 0.28 | 222 | 490 | 13 |
| 8/8/12 | 6:41:45 PM | 0.28 | 221 | 489 | 13 |
| 8/8/12 | 6:42:45 PM | 0.28 | 220 | 488 | 13 |
| 8/8/12 | 6:43:45 PM | 0.28 | 221 | 487 | 13 |
| 8/8/12 | 6:44:45 PM | 0.28 | 222 | 487 | 13 |
| 8/8/12 | 6:45:45 PM | 0.28 | 221 | 488 | 13 |
| 8/8/12 | 6:46:45 PM | 0.28 | 221 | 487 | 13 |
| 8/8/12 | 6:47:45 PM | 0.28 | 221 | 487 | 13 |
| 8/8/12 | 6:48:45 PM | 0.28 | 221 | 488 | 13 |
| 8/8/12 | 6:49:45 PM | 0.27 | 221 | 491 | 13 |
| 8/8/12 | 6:50:45 PM | 0.28 | 221 | 488 | 13 |
| 8/8/12 | 6:51:45 PM | 0.28 | 221 | 487 | 13 |
| 8/8/12 | 6:52:45 PM | 0.28 | 221 | 487 | 13 |
| 8/8/12 | 6:53:45 PM | 0.28 | 222 | 487 | 13 |
| 8/8/12 | 6:54:45 PM | 0.28 | 221 | 487 | 13 |
| 8/8/12 | 6:55:45 PM | 0.28 | 221 | 487 | 13 |
| 8/8/12 | 6:56:45 PM | 0.28 | 220 | 487 | 13 |
| 8/8/12 | 6:57:45 PM | 0.28 | 218 | 484 | 13 |
| 8/8/12 | 6:58:45 PM | 0.28 | 219 | 484 | 13 |
| 8/8/12 | 6:59:45 PM | 0.28 | 219 | 483 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 7:00:45 PM | 0.28 | 219 | 483 | 13 |
| 8/8/12 | 7:01:45 PM | 0.28 | 219 | 485 | 13 |
| 8/8/12 | 7:02:45 PM | 0.29 | 218 | 482 | 13 |
| 8/8/12 | 7:03:45 PM | 0.28 | 218 | 483 | 13 |
| 8/8/12 | 7:04:45 PM | 0.28 | 217 | 481 | 13 |
| 8/8/12 | 7:05:45 PM | 0.29 | 218 | 481 | 13 |
| 8/8/12 | 7:06:45 PM | 0.28 | 218 | 482 | 12 |
| 8/8/12 | 7:07:45 PM | 0.28 | 217 | 482 | 12 |
| 8/8/12 | 7:08:45 PM | 0.28 | 216 | 480 | 13 |
| 8/8/12 | 7:09:45 PM | 0.28 | 216 | 479 | 13 |
| 8/8/12 | 7:10:45 PM | 0.28 | 216 | 479 | 13 |
| 8/8/12 | 7:11:45 PM | 0.28 | 216 | 479 | 13 |
| 8/8/12 | 7:12:45 PM | 0.28 | 215 | 477 | 13 |
| 8/8/12 | 7:13:45 PM | 0.28 | 216 | 478 | 13 |
| 8/8/12 | 7:14:45 PM | 0.28 | 216 | 478 | 13 |
| 8/8/12 | 7:15:45 PM | 0.28 | 216 | 477 | 13 |
| 8/8/12 | 7:16:45 PM | 0.28 | 216 | 477 | 13 |
| 8/8/12 | 7:17:45 PM | 0.29 | 216 | 479 | 13 |
| 8/8/12 | 7:18:45 PM | 0.28 | 216 | 478 | 12 |
| 8/8/12 | 7:19:45 PM | 0.28 | 216 | 477 | 12 |
| 8/8/12 | 7:20:45 PM | 0.28 | 216 | 477 | 12 |
| 8/8/12 | 7:21:45 PM | 0.28 | 216 | 476 | 12 |
| 8/8/12 | 7:22:45 PM | 0.28 | 215 | 477 | 12 |
| 8/8/12 | 7:23:45 PM | 0.28 | 216 | 477 | 12 |
| 8/8/12 | 7:24:45 PM | 0.28 | 216 | 477 | 12 |
| 8/8/12 | 7:25:45 PM | 0.28 | 216 | 476 | 12 |
| 8/8/12 | 7:26:45 PM | 0.28 | 215 | 476 | 12 |
| 8/8/12 | 7:27:45 PM | 0.28 | 215 | 476 | 12 |
| 8/8/12 | 7:28:45 PM | 0.28 | 214 | 474 | 12 |
| 8/8/12 | 7:29:45 PM | 0.29 | 214 | 474 | 12 |
| 8/8/12 | 7:30:45 PM | 0.28 | 215 | 475 | 12 |
| 8/8/12 | 7:31:45 PM | 0.28 | 216 | 476 | 12 |
| 8/8/12 | 7:32:45 PM | 0.29 | 216 | 479 | 12 |
| 8/8/12 | 7:33:45 PM | 0.29 | 215 | 477 | 12 |
| 8/8/12 | 7:34:45 PM | 0.28 | 214 | 475 | 12 |
| 8/8/12 | 7:35:45 PM | 0.28 | 216 | 476 | 12 |
| 8/8/12 | 7:36:45 PM | 0.28 | 216 | 477 | 12 |
| 8/8/12 | 7:37:45 PM | 0.28 | 216 | 476 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 7:38:45 PM | 0.28 | 217 | 477 | 12 |
| 8/8/12 | 7:39:45 PM | 0.28 | 217 | 477 | 12 |
| 8/8/12 | 7:40:45 PM | 0.28 | 216 | 477 | 12 |
| 8/8/12 | 7:41:45 PM | 0.28 | 216 | 478 | 12 |
| 8/8/12 | 7:42:45 PM | 0.28 | 215 | 474 | 12 |
| 8/8/12 | 7:43:45 PM | 0.28 | 215 | 473 | 12 |
| 8/8/12 | 7:44:45 PM | 0.28 | 215 | 474 | 12 |
| 8/8/12 | 7:45:45 PM | 0.28 | 215 | 477 | 12 |
| 8/8/12 | 7:46:45 PM | 0.28 | 215 | 475 | 12 |
| 8/8/12 | 7:47:45 PM | 0.28 | 215 | 474 | 12 |
| 8/8/12 | 7:48:45 PM | 0.28 | 215 | 473 | 12 |
| 8/8/12 | 7:49:45 PM | 0.28 | 216 | 474 | 12 |
| 8/8/12 | 7:50:45 PM | 0.28 | 216 | 476 | 12 |
| 8/8/12 | 7:51:45 PM | 0.28 | 216 | 474 | 12 |
| 8/8/12 | 7:52:45 PM | 0.28 | 216 | 472 | 12 |
| 8/8/12 | 7:53:45 PM | 0.28 | 216 | 474 | 12 |
| 8/8/12 | 7:54:45 PM | 0.28 | 216 | 473 | 12 |
| 8/8/12 | 7:55:45 PM | 0.29 | 215 | 473 | 12 |
| 8/8/12 | 7:56:45 PM | 0.29 | 215 | 472 | 12 |
| 8/8/12 | 7:57:45 PM | 0.28 | 215 | 475 | 12 |
| 8/8/12 | 7:58:45 PM | 0.28 | 214 | 474 | 12 |
| 8/8/12 | 7:59:45 PM | 0.28 | 215 | 473 | 12 |
| 8/8/12 | 8:00:45 PM | 0.29 | 214 | 474 | 12 |
| 8/8/12 | 8:01:45 PM | 0.28 | 215 | 473 | 12 |
| 8/8/12 | 8:02:45 PM | 0.28 | 215 | 474 | 12 |
| 8/8/12 | 8:03:45 PM | 0.28 | 215 | 477 | 12 |
| 8/8/12 | 8:04:45 PM | 0.28 | 215 | 474 | 12 |
| 8/8/12 | 8:05:45 PM | 0.28 | 216 | 473 | 12 |
| 8/8/12 | 8:06:45 PM | 0.28 | 216 | 472 | 12 |
| 8/8/12 | 8:07:45 PM | 0.28 | 215 | 473 | 12 |
| 8/8/12 | 8:08:45 PM | 0.29 | 216 | 472 | 12 |
| 8/8/12 | 8:09:45 PM | 0.28 | 215 | 470 | 12 |
| 8/8/12 | 8:10:45 PM | 0.28 | 215 | 472 | 12 |
| 8/8/12 | 8:11:45 PM | 0.28 | 215 | 470 | 12 |
| 8/8/12 | 8:12:45 PM | 0.28 | 215 | 471 | 12 |
| 8/8/12 | 8:13:45 PM | 0.28 | 216 | 472 | 12 |
| 8/8/12 | 8:14:45 PM | 0.28 | 216 | 474 | 12 |
| 8/8/12 | 8:15:45 PM | 0.28 | 216 | 474 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 8:16:45 PM | 0.28 | 216 | 471 | 12 |
| 8/8/12 | 8:17:45 PM | 0.28 | 216 | 472 | 12 |
| 8/8/12 | 8:18:45 PM | 0.28 | 216 | 471 | 12 |
| 8/8/12 | 8:19:45 PM | 0.28 | 216 | 472 | 12 |
| 8/8/12 | 8:20:45 PM | 0.28 | 216 | 472 | 12 |
| 8/8/12 | 8:21:45 PM | 0.28 | 216 | 472 | 12 |
| 8/8/12 | 8:22:45 PM | 0.28 | 217 | 471 | 12 |
| 8/8/12 | 8:23:45 PM | 0.28 | 217 | 473 | 12 |
| 8/8/12 | 8:24:45 PM | 0.28 | 217 | 472 | 11 |
| 8/8/12 | 8:25:45 PM | 0.28 | 217 | 472 | 11 |
| 8/8/12 | 8:26:45 PM | 0.28 | 218 | 473 | 11 |
| 8/8/12 | 8:27:45 PM | 0.28 | 218 | 473 | 11 |
| 8/8/12 | 8:28:45 PM | 0.28 | 217 | 476 | 11 |
| 8/8/12 | 8:29:45 PM | 0.28 | 217 | 475 | 11 |
| 8/8/12 | 8:30:45 PM | 0.28 | 217 | 473 | 12 |
| 8/8/12 | 8:31:45 PM | 0.28 | 217 | 472 | 12 |
| 8/8/12 | 8:32:45 PM | 0.28 | 218 | 472 | 11 |
| 8/8/12 | 8:33:45 PM | 0.28 | 218 | 473 | 11 |
| 8/8/12 | 8:34:45 PM | 0.28 | 218 | 473 | 11 |
| 8/8/12 | 8:35:45 PM | 0.28 | 218 | 473 | 11 |
| 8/8/12 | 8:36:45 PM | 0.28 | 219 | 476 | 11 |
| 8/8/12 | 8:37:45 PM | 0.28 | 218 | 474 | 11 |
| 8/8/12 | 8:38:45 PM | 0.28 | 218 | 473 | 11 |
| 8/8/12 | 8:39:45 PM | 0.28 | 219 | 473 | 11 |
| 8/8/12 | 8:40:45 PM | 0.28 | 219 | 474 | 11 |
| 8/8/12 | 8:41:45 PM | 0.28 | 220 | 477 | 11 |
| 8/8/12 | 8:42:45 PM | 0.28 | 220 | 477 | 11 |
| 8/8/12 | 8:43:45 PM | 0.28 | 219 | 475 | 11 |
| 8/8/12 | 8:44:45 PM | 0.28 | 218 | 473 | 11 |
| 8/8/12 | 8:45:45 PM | 0.28 | 219 | 472 | 11 |
| 8/8/12 | 8:46:45 PM | 0.28 | 218 | 471 | 11 |
| 8/8/12 | 8:47:45 PM | 0.28 | 218 | 472 | 11 |
| 8/8/12 | 8:48:45 PM | 0.28 | 219 | 472 | 11 |
| 8/8/12 | 8:49:45 PM | 0.28 | 219 | 472 | 11 |
| 8/8/12 | 8:50:45 PM | 0.28 | 219 | 472 | 11 |
| 8/8/12 | 8:51:45 PM | 0.28 | 219 | 473 | 11 |
| 8/8/12 | 8:52:45 PM | 0.28 | 220 | 472 | 11 |
| 8/8/12 | 8:53:45 PM | 0.28 | 221 | 475 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 8:54:45 PM | 0.28 | 221 | 476 | 11 |
| 8/8/12 | 8:55:45 PM | 0.28 | 221 | 477 | 11 |
| 8/8/12 | 8:56:45 PM | 0.28 | 220 | 476 | 11 |
| 8/8/12 | 8:57:45 PM | 0.28 | 220 | 476 | 11 |
| 8/8/12 | 8:58:45 PM | 0.28 | 220 | 475 | 11 |
| 8/8/12 | 8:59:45 PM | 0.28 | 220 | 476 | 11 |
| 8/8/12 | 9:00:45 PM | 0.28 | 220 | 475 | 11 |
| 8/8/12 | 9:01:45 PM | 0.28 | 220 | 477 | 11 |
| 8/8/12 | 9:02:45 PM | 0.28 | 219 | 476 | 11 |
| 8/8/12 | 9:03:45 PM | 0.28 | 219 | 475 | 11 |
| 8/8/12 | 9:04:45 PM | 0.28 | 220 | 474 | 11 |
| 8/8/12 | 9:05:45 PM | 0.28 | 221 | 475 | 11 |
| 8/8/12 | 9:06:45 PM | 0.28 | 222 | 477 | 11 |
| 8/8/12 | 9:07:45 PM | 0.28 | 222 | 477 | 11 |
| 8/8/12 | 9:08:45 PM | 0.28 | 222 | 480 | 11 |
| 8/8/12 | 9:09:45 PM | 0.27 | 222 | 480 | 11 |
| 8/8/12 | 9:10:45 PM | 0.28 | 222 | 478 | 11 |
| 8/8/12 | 9:11:45 PM | 0.28 | 222 | 480 | 11 |
| 8/8/12 | 9:12:45 PM | 0.28 | 222 | 481 | 11 |
| 8/8/12 | 9:13:45 PM | 0.28 | 221 | 480 | 11 |
| 8/8/12 | 9:14:45 PM | 0.28 | 222 | 478 | 11 |
| 8/8/12 | 9:15:45 PM | 0.28 | 223 | 479 | 11 |
| 8/8/12 | 9:16:45 PM | 0.28 | 223 | 478 | 11 |
| 8/8/12 | 9:17:45 PM | 0.28 | 224 | 480 | 11 |
| 8/8/12 | 9:18:45 PM | 0.28 | 223 | 482 | 11 |
| 8/8/12 | 9:19:45 PM | 0.28 | 223 | 479 | 11 |
| 8/8/12 | 9:20:45 PM | 0.28 | 224 | 479 | 11 |
| 8/8/12 | 9:21:45 PM | 0.27 | 225 | 480 | 11 |
| 8/8/12 | 9:22:45 PM | 0.28 | 225 | 481 | 11 |
| 8/8/12 | 9:23:45 PM | 0.27 | 226 | 481 | 11 |
| 8/8/12 | 9:24:45 PM | 0.27 | 227 | 483 | 11 |
| 8/8/12 | 9:25:45 PM | 0.27 | 227 | 482 | 11 |
| 8/8/12 | 9:26:45 PM | 0.28 | 227 | 483 | 11 |
| 8/8/12 | 9:27:45 PM | 0.27 | 227 | 483 | 11 |
| 8/8/12 | 9:28:45 PM | 0.28 | 227 | 482 | 11 |
| 8/8/12 | 9:29:45 PM | 0.27 | 227 | 482 | 11 |
| 8/8/12 | 9:30:45 PM | 0.28 | 228 | 484 | 11 |
| 8/8/12 | 9:31:45 PM | 0.27 | 228 | 485 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 9:32:45 PM | 0.28 | 229 | 486 | 11 |
| 8/8/12 | 9:33:45 PM | 0.28 | 229 | 487 | 11 |
| 8/8/12 | 9:34:45 PM | 0.27 | 230 | 487 | 11 |
| 8/8/12 | 9:35:45 PM | 0.27 | 229 | 487 | 11 |
| 8/8/12 | 9:36:45 PM | 0.27 | 230 | 489 | 11 |
| 8/8/12 | 9:37:45 PM | 0.27 | 230 | 490 | 11 |
| 8/8/12 | 9:38:45 PM | 0.27 | 229 | 489 | 11 |
| 8/8/12 | 9:39:45 PM | 0.28 | 228 | 488 | 11 |
| 8/8/12 | 9:40:45 PM | 0.27 | 228 | 487 | 11 |
| 8/8/12 | 9:41:45 PM | 0.28 | 227 | 486 | 11 |
| 8/8/12 | 9:42:45 PM | 0.28 | 228 | 485 | 11 |
| 8/8/12 | 9:43:45 PM | 0.27 | 227 | 486 | 11 |
| 8/8/12 | 9:44:45 PM | 0.28 | 228 | 487 | 11 |
| 8/8/12 | 9:45:45 PM | 0.27 | 227 | 487 | 11 |
| 8/8/12 | 9:46:45 PM | 0.28 | 227 | 491 | 11 |
| 8/8/12 | 9:47:45 PM | 0.27 | 227 | 491 | 10 |
| 8/8/12 | 9:48:45 PM | 0.27 | 227 | 491 | 10 |
| 8/8/12 | 9:49:45 PM | 0.27 | 228 | 492 | 10 |
| 8/8/12 | 9:50:45 PM | 0.28 | 228 | 490 | 10 |
| 8/8/12 | 9:51:45 PM | 0.27 | 227 | 491 | 10 |
| 8/8/12 | 9:52:45 PM | 0.28 | 227 | 491 | 10 |
| 8/8/12 | 9:53:45 PM | 0.28 | 227 | 491 | 10 |
| 8/8/12 | 9:54:45 PM | 0.28 | 227 | 490 | 11 |
| 8/8/12 | 9:55:45 PM | 0.27 | 226 | 488 | 11 |
| 8/8/12 | 9:56:45 PM | 0.28 | 225 | 487 | 11 |
| 8/8/12 | 9:57:45 PM | 0.27 | 225 | 485 | 11 |
| 8/8/12 | 9:58:45 PM | 0.28 | 225 | 483 | 11 |
| 8/8/12 | 9:59:45 PM | 0.27 | 225 | 486 | 11 |
| 8/8/12 | 10:00:45 PM | 0.28 | 226 | 486 | 11 |
| 8/8/12 | 10:01:45 PM | 0.28 | 227 | 486 | 11 |
| 8/8/12 | 10:02:45 PM | 0.28 | 228 | 487 | 10 |
| 8/8/12 | 10:03:45 PM | 0.27 | 228 | 487 | 10 |
| 8/8/12 | 10:04:45 PM | 0.27 | 229 | 487 | 10 |
| 8/8/12 | 10:05:45 PM | 0.27 | 229 | 487 | 10 |
| 8/8/12 | 10:06:45 PM | 0.28 | 230 | 488 | 10 |
| 8/8/12 | 10:07:45 PM | 0.27 | 231 | 489 | 10 |
| 8/8/12 | 10:08:45 PM | 0.27 | 231 | 490 | 10 |
| 8/8/12 | 10:09:45 PM | 0.27 | 230 | 491 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 10:10:45 PM | 0.27 | 230 | 491 | 10 |
| 8/8/12 | 10:11:45 PM | 0.27 | 230 | 491 | 10 |
| 8/8/12 | 10:12:45 PM | 0.27 | 231 | 493 | 10 |
| 8/8/12 | 10:13:45 PM | 0.27 | 230 | 490 | 10 |
| 8/8/12 | 10:14:45 PM | 0.28 | 231 | 490 | 10 |
| 8/8/12 | 10:15:45 PM | 0.27 | 231 | 491 | 10 |
| 8/8/12 | 10:16:45 PM | 0.27 | 231 | 491 | 10 |
| 8/8/12 | 10:17:45 PM | 0.27 | 231 | 491 | 10 |
| 8/8/12 | 10:18:45 PM | 0.27 | 231 | 490 | 10 |
| 8/8/12 | 10:19:45 PM | 0.27 | 231 | 490 | 10 |
| 8/8/12 | 10:20:45 PM | 0.27 | 231 | 492 | 10 |
| 8/8/12 | 10:21:45 PM | 0.27 | 230 | 489 | 10 |
| 8/8/12 | 10:22:45 PM | 0.27 | 231 | 489 | 10 |
| 8/8/12 | 10:23:45 PM | 0.28 | 231 | 490 | 10 |
| 8/8/12 | 10:24:45 PM | 0.27 | 230 | 488 | 10 |
| 8/8/12 | 10:25:45 PM | 0.27 | 230 | 487 | 10 |
| 8/8/12 | 10:26:45 PM | 0.28 | 230 | 486 | 10 |
| 8/8/12 | 10:27:45 PM | 0.27 | 229 | 486 | 10 |
| 8/8/12 | 10:28:45 PM | 0.28 | 228 | 485 | 10 |
| 8/8/12 | 10:29:45 PM | 0.27 | 228 | 483 | 10 |
| 8/8/12 | 10:30:45 PM | 0.28 | 228 | 482 | 10 |
| 8/8/12 | 10:31:45 PM | 0.28 | 229 | 482 | 10 |
| 8/8/12 | 10:32:45 PM | 0.27 | 229 | 483 | 10 |
| 8/8/12 | 10:33:45 PM | 0.27 | 229 | 484 | 10 |
| 8/8/12 | 10:34:45 PM | 0.28 | 229 | 484 | 10 |
| 8/8/12 | 10:35:45 PM | 0.27 | 228 | 483 | 10 |
| 8/8/12 | 10:36:45 PM | 0.27 | 228 | 483 | 10 |
| 8/8/12 | 10:37:45 PM | 0.27 | 227 | 482 | 10 |
| 8/8/12 | 10:38:45 PM | 0.28 | 228 | 482 | 10 |
| 8/8/12 | 10:39:45 PM | 0.27 | 229 | 482 | 10 |
| 8/8/12 | 10:40:45 PM | 0.28 | 228 | 482 | 10 |
| 8/8/12 | 10:41:45 PM | 0.27 | 228 | 482 | 10 |
| 8/8/12 | 10:42:45 PM | 0.27 | 229 | 481 | 10 |
| 8/8/12 | 10:43:45 PM | 0.27 | 229 | 482 | 10 |
| 8/8/12 | 10:44:45 PM | 0.27 | 229 | 481 | 10 |
| 8/8/12 | 10:45:45 PM | 0.27 | 230 | 484 | 10 |
| 8/8/12 | 10:46:45 PM | 0.27 | 230 | 485 | 10 |
| 8/8/12 | 10:47:45 PM | 0.27 | 230 | 485 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 10:48:45 PM | 0.27 | 230 | 485 | 10 |
| 8/8/12 | 10:49:45 PM | 0.27 | 230 | 484 | 10 |
| 8/8/12 | 10:50:45 PM | 0.27 | 230 | 485 | 10 |
| 8/8/12 | 10:51:45 PM | 0.27 | 229 | 489 | 10 |
| 8/8/12 | 10:52:45 PM | 0.27 | 230 | 489 | 10 |
| 8/8/12 | 10:53:45 PM | 0.27 | 229 | 488 | 10 |
| 8/8/12 | 10:54:45 PM | 0.27 | 229 | 487 | 10 |
| 8/8/12 | 10:55:45 PM | 0.27 | 229 | 487 | 10 |
| 8/8/12 | 10:56:45 PM | 0.27 | 229 | 487 | 10 |
| 8/8/12 | 10:57:45 PM | 0.27 | 229 | 487 | 10 |
| 8/8/12 | 10:58:45 PM | 0.27 | 230 | 485 | 10 |
| 8/8/12 | 10:59:45 PM | 0.28 | 230 | 484 | 10 |
| 8/8/12 | 11:00:45 PM | 0.27 | 230 | 484 | 10 |
| 8/8/12 | 11:01:45 PM | 0.27 | 231 | 486 | 10 |
| 8/8/12 | 11:02:45 PM | 0.27 | 232 | 486 | 10 |
| 8/8/12 | 11:03:45 PM | 0.27 | 232 | 486 | 10 |
| 8/8/12 | 11:04:45 PM | 0.28 | 233 | 487 | 10 |
| 8/8/12 | 11:05:45 PM | 0.27 | 233 | 487 | 10 |
| 8/8/12 | 11:06:45 PM | 0.27 | 233 | 489 | 10 |
| 8/8/12 | 11:07:45 PM | 0.28 | 233 | 487 | 10 |
| 8/8/12 | 11:08:45 PM | 0.27 | 232 | 486 | 10 |
| 8/8/12 | 11:09:45 PM | 0.27 | 232 | 487 | 10 |
| 8/8/12 | 11:10:45 PM | 0.28 | 232 | 486 | 10 |
| 8/8/12 | 11:11:45 PM | 0.27 | 232 | 486 | 10 |
| 8/8/12 | 11:12:45 PM | 0.27 | 231 | 488 | 9 |
| 8/8/12 | 11:13:45 PM | 0.27 | 230 | 486 | 9 |
| 8/8/12 | 11:14:45 PM | 0.27 | 229 | 483 | 9 |
| 8/8/12 | 11:15:45 PM | 0.27 | 229 | 483 | 9 |
| 8/8/12 | 11:16:45 PM | 0.27 | 230 | 483 | 9 |
| 8/8/12 | 11:17:45 PM | 0.27 | 230 | 483 | 9 |
| 8/8/12 | 11:18:45 PM | 0.27 | 231 | 482 | 9 |
| 8/8/12 | 11:19:45 PM | 0.27 | 232 | 485 | 9 |
| 8/8/12 | 11:20:45 PM | 0.27 | 232 | 484 | 10 |
| 8/8/12 | 11:21:45 PM | 0.27 | 232 | 485 | 10 |
| 8/8/12 | 11:22:45 PM | 0.27 | 233 | 485 | 10 |
| 8/8/12 | 11:23:45 PM | 0.27 | 233 | 485 | 9 |
| 8/8/12 | 11:24:45 PM | 0.27 | 233 | 485 | 9 |
| 8/8/12 | 11:25:45 PM | 0.27 | 233 | 487 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **08-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **08-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/8/12 | 11:26:45 PM | 0.27 | 234 | 486 | 9 |
| 8/8/12 | 11:27:45 PM | 0.27 | 234 | 487 | 9 |
| 8/8/12 | 11:28:45 PM | 0.27 | 233 | 487 | 9 |
| 8/8/12 | 11:29:45 PM | 0.27 | 234 | 488 | 9 |
| 8/8/12 | 11:30:45 PM | 0.27 | 233 | 491 | 9 |
| 8/8/12 | 11:31:45 PM | 0.27 | 233 | 490 | 9 |
| 8/8/12 | 11:32:45 PM | 0.27 | 233 | 488 | 9 |
| 8/8/12 | 11:33:45 PM | 0.27 | 233 | 487 | 9 |
| 8/8/12 | 11:34:45 PM | 0.27 | 233 | 487 | 9 |
| 8/8/12 | 11:35:45 PM | 0.27 | 233 | 486 | 9 |
| 8/8/12 | 11:36:45 PM | 0.27 | 233 | 486 | 9 |
| 8/8/12 | 11:37:45 PM | 0.26 | 233 | 487 | 9 |
| 8/8/12 | 11:38:45 PM | 0.27 | 234 | 487 | 9 |
| 8/8/12 | 11:39:45 PM | 0.27 | 234 | 487 | 9 |
| 8/8/12 | 11:40:45 PM | 0.27 | 234 | 487 | 9 |
| 8/8/12 | 11:41:45 PM | 0.27 | 234 | 488 | 9 |
| 8/8/12 | 11:42:45 PM | 0.27 | 234 | 487 | 9 |
| 8/8/12 | 11:43:45 PM | 0.27 | 234 | 487 | 9 |
| 8/8/12 | 11:44:45 PM | 0.27 | 234 | 487 | 9 |
| 8/8/12 | 11:45:45 PM | 0.27 | 234 | 488 | 9 |
| 8/8/12 | 11:46:45 PM | 0.27 | 234 | 487 | 9 |
| 8/8/12 | 11:47:45 PM | 0.27 | 234 | 487 | 9 |
| 8/8/12 | 11:48:45 PM | 0.27 | 234 | 488 | 9 |
| 8/8/12 | 11:49:45 PM | 0.27 | 234 | 487 | 9 |
| 8/8/12 | 11:50:45 PM | 0.27 | 234 | 487 | 9 |
| 8/8/12 | 11:51:45 PM | 0.27 | 234 | 487 | 9 |
| 8/8/12 | 11:52:45 PM | 0.27 | 234 | 486 | 9 |
| 8/8/12 | 11:53:45 PM | 0.27 | 234 | 485 | 9 |
| 8/8/12 | 11:54:45 PM | 0.27 | 234 | 485 | 9 |
| 8/8/12 | 11:55:45 PM | 0.27 | 234 | 487 | 9 |
| 8/8/12 | 11:56:45 PM | 0.27 | 235 | 487 | 9 |
| 8/8/12 | 11:57:45 PM | 0.27 | 235 | 486 | 9 |
| 8/8/12 | 11:58:45 PM | 0.27 | 234 | 487 | 9 |
| 8/8/12 | 11:59:45 PM | 0.27 | 234 | 492 | 9 |
| Averages | | 0.28 | 228 | 490 | 16 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 12:00:45 AM | 0.27 | 234 | 490 | 9 |
| 8/9/12 | 12:01:45 AM | 0.27 | 234 | 489 | 9 |
| 8/9/12 | 12:02:45 AM | 0.28 | 233 | 488 | 9 |
| 8/9/12 | 12:03:45 AM | 0.28 | 233 | 489 | 9 |
| 8/9/12 | 12:04:45 AM | 0.27 | 233 | 485 | 9 |
| 8/9/12 | 12:05:45 AM | 0.27 | 232 | 484 | 9 |
| 8/9/12 | 12:06:45 AM | 0.28 | 232 | 483 | 9 |
| 8/9/12 | 12:07:45 AM | 0.28 | 232 | 482 | 9 |
| 8/9/12 | 12:08:45 AM | 0.28 | 232 | 482 | 9 |
| 8/9/12 | 12:09:45 AM | 0.27 | 232 | 482 | 9 |
| 8/9/12 | 12:10:45 AM | 0.27 | 233 | 482 | 9 |
| 8/9/12 | 12:11:45 AM | 0.28 | 233 | 482 | 9 |
| 8/9/12 | 12:12:45 AM | 0.28 | 233 | 482 | 9 |
| 8/9/12 | 12:13:45 AM | 0.27 | 233 | 481 | 9 |
| 8/9/12 | 12:14:45 AM | 0.28 | 233 | 482 | 9 |
| 8/9/12 | 12:15:45 AM | 0.27 | 233 | 483 | 9 |
| 8/9/12 | 12:16:45 AM | 0.27 | 232 | 481 | 9 |
| 8/9/12 | 12:17:45 AM | 0.27 | 233 | 482 | 9 |
| 8/9/12 | 12:18:45 AM | 0.27 | 233 | 483 | 9 |
| 8/9/12 | 12:19:45 AM | 0.27 | 233 | 482 | 9 |
| 8/9/12 | 12:20:45 AM | 0.27 | 233 | 483 | 9 |
| 8/9/12 | 12:21:45 AM | 0.27 | 232 | 483 | 9 |
| 8/9/12 | 12:22:45 AM | 0.27 | 232 | 486 | 9 |
| 8/9/12 | 12:23:45 AM | 0.27 | 233 | 485 | 9 |
| 8/9/12 | 12:24:45 AM | 0.27 | 233 | 482 | 9 |
| 8/9/12 | 12:25:45 AM | 0.27 | 233 | 480 | 9 |
| 8/9/12 | 12:26:45 AM | 0.27 | 233 | 481 | 9 |
| 8/9/12 | 12:27:45 AM | 0.27 | 233 | 479 | 9 |
| 8/9/12 | 12:28:45 AM | 0.27 | 233 | 480 | 9 |
| 8/9/12 | 12:29:45 AM | 0.27 | 233 | 481 | 9 |
| 8/9/12 | 12:30:45 AM | 0.27 | 233 | 481 | 9 |
| 8/9/12 | 12:31:45 AM | 0.27 | 233 | 482 | 9 |
| 8/9/12 | 12:32:45 AM | 0.27 | 234 | 483 | 9 |
| 8/9/12 | 12:33:45 AM | 0.27 | 234 | 482 | 9 |
| 8/9/12 | 12:34:45 AM | 0.27 | 234 | 483 | 9 |
| 8/9/12 | 12:35:45 AM | 0.27 | 234 | 483 | 9 |
| 8/9/12 | 12:36:45 AM | 0.27 | 234 | 482 | 9 |
| 8/9/12 | 12:37:45 AM | 0.27 | 234 | 482 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/9/12 12:38:45 AM | 0.27 | 234 | 482 | 9 |
| 8/9/12 12:39:45 AM | 0.27 | 234 | 482 | 9 |
| 8/9/12 12:40:45 AM | 0.27 | 234 | 482 | 9 |
| 8/9/12 12:41:45 AM | 0.27 | 234 | 482 | 9 |
| 8/9/12 12:42:45 AM | 0.27 | 233 | 481 | 9 |
| 8/9/12 12:43:45 AM | 0.27 | 233 | 482 | 9 |
| 8/9/12 12:44:45 AM | 0.27 | 233 | 482 | 9 |
| 8/9/12 12:45:45 AM | 0.27 | 233 | 482 | 9 |
| 8/9/12 12:46:45 AM | 0.27 | 233 | 483 | 9 |
| 8/9/12 12:47:45 AM | 0.27 | 233 | 481 | 9 |
| 8/9/12 12:48:45 AM | 0.27 | 233 | 480 | 9 |
| 8/9/12 12:49:45 AM | 0.27 | 233 | 479 | 9 |
| 8/9/12 12:50:45 AM | 0.27 | 233 | 480 | 9 |
| 8/9/12 12:51:45 AM | 0.27 | 233 | 480 | 9 |
| 8/9/12 12:52:45 AM | 0.27 | 233 | 481 | 9 |
| 8/9/12 12:53:45 AM | 0.27 | 234 | 481 | 9 |
| 8/9/12 12:54:45 AM | 0.27 | 234 | 487 | 9 |
| 8/9/12 12:55:45 AM | 0.27 | 235 | 487 | 9 |
| 8/9/12 12:56:45 AM | 0.27 | 235 | 487 | 9 |
| 8/9/12 12:57:45 AM | 0.27 | 234 | 488 | 9 |
| 8/9/12 12:58:45 AM | 0.27 | 234 | 487 | 9 |
| 8/9/12 12:59:45 AM | 0.27 | 234 | 487 | 9 |
| 8/9/12 1:00:45 AM | 0.27 | 234 | 488 | 9 |
| 8/9/12 1:01:45 AM | 0.27 | 235 | 488 | 9 |
| 8/9/12 1:02:45 AM | 0.27 | 235 | 488 | 9 |
| 8/9/12 1:03:45 AM | 0.27 | 235 | 493 | 9 |
| 8/9/12 1:04:45 AM | 0.27 | 235 | 490 | 9 |
| 8/9/12 1:05:45 AM | 0.27 | 235 | 490 | 9 |
| 8/9/12 1:06:45 AM | 0.27 | 235 | 490 | 9 |
| 8/9/12 1:07:45 AM | 0.27 | 234 | 491 | 9 |
| 8/9/12 1:08:45 AM | 0.27 | 234 | 489 | 9 |
| 8/9/12 1:09:45 AM | 0.27 | 234 | 488 | 8 |
| 8/9/12 1:10:45 AM | 0.27 | 234 | 487 | 8 |
| 8/9/12 1:11:45 AM | 0.27 | 234 | 487 | 8 |
| 8/9/12 1:12:45 AM | 0.27 | 234 | 486 | 8 |
| 8/9/12 1:13:45 AM | 0.27 | 235 | 486 | 8 |
| 8/9/12 1:14:45 AM | 0.27 | 234 | 486 | 8 |
| 8/9/12 1:15:45 AM | 0.27 | 234 | 486 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 1:16:45 AM | 0.27 | 235 | 487 | 8 |
| 8/9/12 | 1:17:45 AM | 0.27 | 235 | 487 | 8 |
| 8/9/12 | 1:18:45 AM | 0.27 | 235 | 485 | 8 |
| 8/9/12 | 1:19:45 AM | 0.27 | 235 | 486 | 8 |
| 8/9/12 | 1:20:45 AM | 0.27 | 235 | 486 | 8 |
| 8/9/12 | 1:21:45 AM | 0.27 | 235 | 487 | 9 |
| 8/9/12 | 1:22:45 AM | 0.27 | 235 | 486 | 9 |
| 8/9/12 | 1:23:45 AM | 0.27 | 235 | 488 | 8 |
| 8/9/12 | 1:24:45 AM | 0.27 | 235 | 487 | 8 |
| 8/9/12 | 1:25:45 AM | 0.27 | 235 | 487 | 8 |
| 8/9/12 | 1:26:45 AM | 0.27 | 235 | 488 | 9 |
| 8/9/12 | 1:27:45 AM | 0.27 | 235 | 486 | 9 |
| 8/9/12 | 1:28:45 AM | 0.27 | 234 | 487 | 9 |
| 8/9/12 | 1:29:45 AM | 0.27 | 234 | 486 | 8 |
| 8/9/12 | 1:30:45 AM | 0.27 | 235 | 486 | 8 |
| 8/9/12 | 1:31:45 AM | 0.27 | 235 | 485 | 8 |
| 8/9/12 | 1:32:45 AM | 0.27 | 235 | 484 | 8 |
| 8/9/12 | 1:33:45 AM | 0.27 | 236 | 485 | 8 |
| 8/9/12 | 1:34:45 AM | 0.27 | 235 | 484 | 8 |
| 8/9/12 | 1:35:45 AM | 0.27 | 236 | 484 | 8 |
| 8/9/12 | 1:36:45 AM | 0.27 | 236 | 484 | 8 |
| 8/9/12 | 1:37:45 AM | 0.27 | 235 | 486 | 8 |
| 8/9/12 | 1:38:45 AM | 0.27 | 236 | 485 | 8 |
| 8/9/12 | 1:39:45 AM | 0.27 | 235 | 485 | 8 |
| 8/9/12 | 1:40:45 AM | 0.27 | 235 | 483 | 8 |
| 8/9/12 | 1:41:45 AM | 0.27 | 235 | 483 | 8 |
| 8/9/12 | 1:42:45 AM | 0.27 | 235 | 483 | 8 |
| 8/9/12 | 1:43:45 AM | 0.27 | 235 | 483 | 8 |
| 8/9/12 | 1:44:45 AM | 0.27 | 235 | 483 | 8 |
| 8/9/12 | 1:45:45 AM | 0.27 | 235 | 487 | 8 |
| 8/9/12 | 1:46:45 AM | 0.27 | 235 | 485 | 8 |
| 8/9/12 | 1:47:45 AM | 0.27 | 236 | 487 | 8 |
| 8/9/12 | 1:48:45 AM | 0.27 | 236 | 486 | 8 |
| 8/9/12 | 1:49:45 AM | 0.27 | 235 | 484 | 8 |
| 8/9/12 | 1:50:45 AM | 0.27 | 235 | 483 | 8 |
| 8/9/12 | 1:51:45 AM | 0.27 | 235 | 484 | 8 |
| 8/9/12 | 1:52:45 AM | 0.27 | 235 | 483 | 8 |
| 8/9/12 | 1:53:45 AM | 0.27 | 235 | 483 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 1:54:45 AM | 0.27 | 235 | 483 | 8 |
| 8/9/12 | 1:55:45 AM | 0.27 | 235 | 481 | 8 |
| 8/9/12 | 1:56:45 AM | 0.27 | 236 | 481 | 8 |
| 8/9/12 | 1:57:45 AM | 0.27 | 235 | 482 | 8 |
| 8/9/12 | 1:58:45 AM | 0.27 | 235 | 482 | 8 |
| 8/9/12 | 1:59:45 AM | 0.27 | 235 | 482 | 8 |
| 8/9/12 | 2:00:45 AM | 0.27 | 234 | 482 | 8 |
| 8/9/12 | 2:01:45 AM | 0.27 | 233 | 482 | 8 |
| 8/9/12 | 2:02:45 AM | 0.27 | 233 | 482 | 8 |
| 8/9/12 | 2:03:45 AM | 0.27 | 233 | 480 | 8 |
| 8/9/12 | 2:04:45 AM | 0.27 | 232 | 481 | 8 |
| 8/9/12 | 2:05:45 AM | 0.28 | 232 | 482 | 8 |
| 8/9/12 | 2:06:45 AM | 0.28 | 232 | 482 | 8 |
| 8/9/12 | 2:07:45 AM | 0.27 | 232 | 482 | 8 |
| 8/9/12 | 2:08:45 AM | 0.27 | 232 | 480 | 8 |
| 8/9/12 | 2:09:45 AM | 0.27 | 232 | 479 | 8 |
| 8/9/12 | 2:10:45 AM | 0.27 | 232 | 477 | 8 |
| 8/9/12 | 2:11:45 AM | 0.27 | 232 | 479 | 8 |
| 8/9/12 | 2:12:45 AM | 0.27 | 232 | 478 | 8 |
| 8/9/12 | 2:13:45 AM | 0.27 | 232 | 478 | 8 |
| 8/9/12 | 2:14:45 AM | 0.27 | 233 | 479 | 8 |
| 8/9/12 | 2:15:45 AM | 0.27 | 233 | 481 | 8 |
| 8/9/12 | 2:16:45 AM | 0.27 | 234 | 481 | 8 |
| 8/9/12 | 2:17:45 AM | 0.27 | 233 | 480 | 8 |
| 8/9/12 | 2:18:45 AM | 0.27 | 233 | 481 | 8 |
| 8/9/12 | 2:19:45 AM | 0.27 | 234 | 481 | 8 |
| 8/9/12 | 2:20:45 AM | 0.27 | 234 | 481 | 8 |
| 8/9/12 | 2:21:45 AM | 0.27 | 234 | 481 | 8 |
| 8/9/12 | 2:22:45 AM | 0.27 | 234 | 482 | 8 |
| 8/9/12 | 2:23:45 AM | 0.28 | 233 | 482 | 8 |
| 8/9/12 | 2:24:45 AM | 0.27 | 233 | 481 | 8 |
| 8/9/12 | 2:25:45 AM | 0.27 | 232 | 481 | 8 |
| 8/9/12 | 2:26:45 AM | 0.27 | 232 | 480 | 8 |
| 8/9/12 | 2:27:45 AM | 0.28 | 232 | 484 | 7 |
| 8/9/12 | 2:28:45 AM | 0.27 | 231 | 483 | 7 |
| 8/9/12 | 2:29:45 AM | 0.27 | 231 | 483 | 8 |
| 8/9/12 | 2:30:45 AM | 0.27 | 231 | 484 | 8 |
| 8/9/12 | 2:31:45 AM | 0.27 | 231 | 485 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 2:32:45 AM | 0.28 | 231 | 486 | 8 |
| 8/9/12 | 2:33:45 AM | 0.28 | 230 | 487 | 8 |
| 8/9/12 | 2:34:45 AM | 0.28 | 230 | 487 | 8 |
| 8/9/12 | 2:35:45 AM | 0.28 | 231 | 487 | 8 |
| 8/9/12 | 2:36:45 AM | 0.27 | 231 | 486 | 8 |
| 8/9/12 | 2:37:45 AM | 0.28 | 231 | 486 | 8 |
| 8/9/12 | 2:38:45 AM | 0.28 | 231 | 487 | 8 |
| 8/9/12 | 2:39:45 AM | 0.28 | 231 | 486 | 8 |
| 8/9/12 | 2:40:45 AM | 0.28 | 231 | 486 | 8 |
| 8/9/12 | 2:41:45 AM | 0.28 | 232 | 486 | 8 |
| 8/9/12 | 2:42:45 AM | 0.28 | 232 | 486 | 8 |
| 8/9/12 | 2:43:45 AM | 0.28 | 232 | 486 | 8 |
| 8/9/12 | 2:44:45 AM | 0.28 | 232 | 486 | 8 |
| 8/9/12 | 2:45:45 AM | 0.28 | 232 | 486 | 8 |
| 8/9/12 | 2:46:45 AM | 0.28 | 232 | 486 | 8 |
| 8/9/12 | 2:47:45 AM | 0.28 | 232 | 484 | 8 |
| 8/9/12 | 2:48:45 AM | 0.28 | 232 | 485 | 8 |
| 8/9/12 | 2:49:45 AM | 0.28 | 232 | 486 | 8 |
| 8/9/12 | 2:50:45 AM | 0.28 | 232 | 484 | 8 |
| 8/9/12 | 2:51:45 AM | 0.28 | 231 | 483 | 8 |
| 8/9/12 | 2:52:45 AM | 0.28 | 232 | 482 | 8 |
| 8/9/12 | 2:53:45 AM | 0.28 | 232 | 482 | 8 |
| 8/9/12 | 2:54:45 AM | 0.28 | 232 | 483 | 8 |
| 8/9/12 | 2:55:45 AM | 0.28 | 232 | 484 | 8 |
| 8/9/12 | 2:56:45 AM | 0.28 | 231 | 483 | 8 |
| 8/9/12 | 2:57:45 AM | 0.28 | 232 | 482 | 8 |
| 8/9/12 | 2:58:45 AM | 0.27 | 231 | 482 | 8 |
| 8/9/12 | 2:59:45 AM | 0.28 | 231 | 482 | 8 |
| 8/9/12 | 3:00:45 AM | 0.27 | 230 | 482 | 8 |
| 8/9/12 | 3:01:45 AM | 0.28 | 230 | 482 | 8 |
| 8/9/12 | 3:02:45 AM | 0.28 | 230 | 481 | 8 |
| 8/9/12 | 3:03:45 AM | 0.27 | 230 | 480 | 8 |
| 8/9/12 | 3:04:45 AM | 0.28 | 231 | 480 | 8 |
| 8/9/12 | 3:05:45 AM | 0.28 | 230 | 479 | 8 |
| 8/9/12 | 3:06:45 AM | 0.28 | 230 | 478 | 8 |
| 8/9/12 | 3:07:45 AM | 0.28 | 230 | 478 | 8 |
| 8/9/12 | 3:08:45 AM | 0.28 | 230 | 482 | 8 |
| 8/9/12 | 3:09:45 AM | 0.28 | 231 | 478 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 3:10:45 AM | 0.28 | 231 | 479 | 8 |
| 8/9/12 | 3:11:45 AM | 0.28 | 232 | 480 | 8 |
| 8/9/12 | 3:12:45 AM | 0.28 | 232 | 480 | 8 |
| 8/9/12 | 3:13:45 AM | 0.28 | 232 | 480 | 8 |
| 8/9/12 | 3:14:45 AM | 0.28 | 232 | 481 | 8 |
| 8/9/12 | 3:15:45 AM | 0.27 | 232 | 480 | 8 |
| 8/9/12 | 3:16:45 AM | 0.28 | 232 | 481 | 8 |
| 8/9/12 | 3:17:45 AM | 0.28 | 232 | 480 | 8 |
| 8/9/12 | 3:18:45 AM | 0.27 | 231 | 480 | 8 |
| 8/9/12 | 3:19:45 AM | 0.28 | 231 | 479 | 8 |
| 8/9/12 | 3:20:45 AM | 0.28 | 231 | 479 | 8 |
| 8/9/12 | 3:21:45 AM | 0.27 | 231 | 479 | 8 |
| 8/9/12 | 3:22:45 AM | 0.27 | 231 | 478 | 8 |
| 8/9/12 | 3:23:45 AM | 0.27 | 231 | 478 | 7 |
| 8/9/12 | 3:24:45 AM | 0.27 | 231 | 478 | 7 |
| 8/9/12 | 3:25:45 AM | 0.27 | 230 | 477 | 7 |
| 8/9/12 | 3:26:45 AM | 0.28 | 230 | 479 | 7 |
| 8/9/12 | 3:27:45 AM | 0.27 | 230 | 477 | 8 |
| 8/9/12 | 3:28:45 AM | 0.28 | 230 | 479 | 8 |
| 8/9/12 | 3:29:45 AM | 0.28 | 229 | 478 | 8 |
| 8/9/12 | 3:30:45 AM | 0.28 | 230 | 482 | 8 |
| 8/9/12 | 3:31:45 AM | 0.28 | 230 | 484 | 8 |
| 8/9/12 | 3:32:45 AM | 0.28 | 230 | 482 | 7 |
| 8/9/12 | 3:33:45 AM | 0.28 | 231 | 482 | 7 |
| 8/9/12 | 3:34:45 AM | 0.28 | 231 | 483 | 7 |
| 8/9/12 | 3:35:45 AM | 0.28 | 231 | 484 | 8 |
| 8/9/12 | 3:36:45 AM | 0.28 | 231 | 486 | 8 |
| 8/9/12 | 3:37:45 AM | 0.28 | 231 | 485 | 8 |
| 8/9/12 | 3:38:45 AM | 0.28 | 231 | 485 | 8 |
| 8/9/12 | 3:39:45 AM | 0.27 | 231 | 486 | 8 |
| 8/9/12 | 3:40:45 AM | 0.28 | 231 | 485 | 8 |
| 8/9/12 | 3:41:45 AM | 0.28 | 230 | 486 | 8 |
| 8/9/12 | 3:42:45 AM | 0.28 | 230 | 484 | 8 |
| 8/9/12 | 3:43:45 AM | 0.28 | 230 | 483 | 8 |
| 8/9/12 | 3:44:45 AM | 0.28 | 230 | 482 | 8 |
| 8/9/12 | 3:45:45 AM | 0.28 | 230 | 483 | 8 |
| 8/9/12 | 3:46:45 AM | 0.28 | 230 | 483 | 8 |
| 8/9/12 | 3:47:45 AM | 0.28 | 230 | 482 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 3:48:45 AM | 0.28 | 230 | 483 | 8 |
| 8/9/12 | 3:49:45 AM | 0.28 | 230 | 481 | 8 |
| 8/9/12 | 3:50:45 AM | 0.28 | 230 | 482 | 8 |
| 8/9/12 | 3:51:45 AM | 0.28 | 230 | 481 | 8 |
| 8/9/12 | 3:52:45 AM | 0.28 | 231 | 481 | 8 |
| 8/9/12 | 3:53:45 AM | 0.28 | 231 | 481 | 8 |
| 8/9/12 | 3:54:45 AM | 0.28 | 231 | 482 | 8 |
| 8/9/12 | 3:55:45 AM | 0.28 | 231 | 482 | 8 |
| 8/9/12 | 3:56:45 AM | 0.28 | 231 | 481 | 8 |
| 8/9/12 | 3:57:45 AM | 0.28 | 231 | 480 | 8 |
| 8/9/12 | 3:58:45 AM | 0.27 | 231 | 481 | 8 |
| 8/9/12 | 3:59:45 AM | 0.28 | 231 | 482 | 8 |
| 8/9/12 | 4:00:45 AM | 0.28 | 232 | 481 | 8 |
| 8/9/12 | 4:01:45 AM | 0.28 | 232 | 483 | 8 |
| 8/9/12 | 4:02:45 AM | 0.28 | 232 | 482 | 8 |
| 8/9/12 | 4:03:45 AM | 0.27 | 232 | 482 | 8 |
| 8/9/12 | 4:04:45 AM | 0.28 | 232 | 482 | 8 |
| 8/9/12 | 4:05:45 AM | 0.28 | 233 | 483 | 8 |
| 8/9/12 | 4:06:45 AM | 0.27 | 233 | 482 | 8 |
| 8/9/12 | 4:07:45 AM | 0.28 | 233 | 483 | 8 |
| 8/9/12 | 4:08:45 AM | 0.27 | 232 | 482 | 8 |
| 8/9/12 | 4:09:45 AM | 0.27 | 232 | 480 | 8 |
| 8/9/12 | 4:10:45 AM | 0.28 | 232 | 480 | 8 |
| 8/9/12 | 4:11:45 AM | 0.28 | 232 | 480 | 8 |
| 8/9/12 | 4:12:45 AM | 0.27 | 231 | 481 | 7 |
| 8/9/12 | 4:13:45 AM | 0.28 | 231 | 479 | 7 |
| 8/9/12 | 4:14:45 AM | 0.28 | 231 | 478 | 7 |
| 8/9/12 | 4:15:45 AM | 0.27 | 231 | 479 | 7 |
| 8/9/12 | 4:16:45 AM | 0.27 | 231 | 480 | 7 |
| 8/9/12 | 4:17:45 AM | 0.27 | 232 | 480 | 7 |
| 8/9/12 | 4:18:45 AM | 0.27 | 231 | 482 | 7 |
| 8/9/12 | 4:19:45 AM | 0.28 | 232 | 481 | 7 |
| 8/9/12 | 4:20:45 AM | 0.28 | 231 | 482 | 7 |
| 8/9/12 | 4:21:45 AM | 0.27 | 231 | 482 | 7 |
| 8/9/12 | 4:22:45 AM | 0.28 | 231 | 483 | 7 |
| 8/9/12 | 4:23:45 AM | 0.28 | 230 | 483 | 7 |
| 8/9/12 | 4:24:45 AM | 0.28 | 230 | 482 | 7 |
| 8/9/12 | 4:25:45 AM | 0.28 | 230 | 483 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 4:26:45 AM | 0.28 | 230 | 484 | 7 |
| 8/9/12 | 4:27:45 AM | 0.28 | 230 | 483 | 7 |
| 8/9/12 | 4:28:45 AM | 0.28 | 229 | 482 | 7 |
| 8/9/12 | 4:29:45 AM | 0.28 | 228 | 483 | 8 |
| 8/9/12 | 4:30:45 AM | 0.28 | 229 | 481 | 8 |
| 8/9/12 | 4:31:45 AM | 0.28 | 229 | 482 | 8 |
| 8/9/12 | 4:32:45 AM | 0.28 | 229 | 481 | 8 |
| 8/9/12 | 4:33:45 AM | 0.28 | 229 | 481 | 8 |
| 8/9/12 | 4:34:45 AM | 0.28 | 230 | 481 | 8 |
| 8/9/12 | 4:35:45 AM | 0.28 | 229 | 485 | 8 |
| 8/9/12 | 4:36:45 AM | 0.28 | 229 | 482 | 8 |
| 8/9/12 | 4:37:45 AM | 0.28 | 230 | 482 | 8 |
| 8/9/12 | 4:38:45 AM | 0.28 | 230 | 482 | 8 |
| 8/9/12 | 4:39:45 AM | 0.28 | 230 | 482 | 8 |
| 8/9/12 | 4:40:45 AM | 0.28 | 230 | 481 | 8 |
| 8/9/12 | 4:41:45 AM | 0.28 | 230 | 479 | 8 |
| 8/9/12 | 4:42:45 AM | 0.28 | 230 | 478 | 7 |
| 8/9/12 | 4:43:45 AM | 0.28 | 230 | 479 | 7 |
| 8/9/12 | 4:44:45 AM | 0.28 | 229 | 477 | 7 |
| 8/9/12 | 4:45:45 AM | 0.28 | 229 | 478 | 7 |
| 8/9/12 | 4:46:45 AM | 0.28 | 229 | 478 | 7 |
| 8/9/12 | 4:47:45 AM | 0.28 | 228 | 476 | 7 |
| 8/9/12 | 4:48:45 AM | 0.28 | 229 | 477 | 8 |
| 8/9/12 | 4:49:45 AM | 0.28 | 229 | 479 | 8 |
| 8/9/12 | 4:50:45 AM | 0.29 | 229 | 478 | 7 |
| 8/9/12 | 4:51:45 AM | 0.28 | 228 | 477 | 7 |
| 8/9/12 | 4:52:45 AM | 0.28 | 228 | 476 | 7 |
| 8/9/12 | 4:53:45 AM | 0.28 | 227 | 475 | 7 |
| 8/9/12 | 4:54:45 AM | 0.28 | 228 | 474 | 7 |
| 8/9/12 | 4:55:45 AM | 0.29 | 227 | 473 | 7 |
| 8/9/12 | 4:56:45 AM | 0.28 | 228 | 473 | 7 |
| 8/9/12 | 4:57:45 AM | 0.28 | 228 | 474 | 7 |
| 8/9/12 | 4:58:45 AM | 0.28 | 228 | 474 | 7 |
| 8/9/12 | 4:59:45 AM | 0.28 | 228 | 474 | 7 |
| 8/9/12 | 5:00:45 AM | 0.28 | 228 | 476 | 7 |
| 8/9/12 | 5:01:45 AM | 0.28 | 228 | 474 | 7 |
| 8/9/12 | 5:02:45 AM | 0.28 | 228 | 477 | 7 |
| 8/9/12 | 5:03:45 AM | 0.28 | 228 | 477 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 5:04:45 AM | 0.28 | 229 | 477 | 7 |
| 8/9/12 | 5:05:45 AM | 0.28 | 229 | 478 | 7 |
| 8/9/12 | 5:06:45 AM | 0.28 | 229 | 477 | 7 |
| 8/9/12 | 5:07:45 AM | 0.28 | 229 | 478 | 7 |
| 8/9/12 | 5:08:45 AM | 0.28 | 229 | 478 | 7 |
| 8/9/12 | 5:09:45 AM | 0.28 | 228 | 478 | 7 |
| 8/9/12 | 5:10:45 AM | 0.28 | 228 | 481 | 7 |
| 8/9/12 | 5:11:45 AM | 0.28 | 228 | 481 | 7 |
| 8/9/12 | 5:12:45 AM | 0.29 | 227 | 479 | 7 |
| 8/9/12 | 5:13:45 AM | 0.28 | 227 | 482 | 7 |
| 8/9/12 | 5:14:45 AM | 0.28 | 227 | 480 | 7 |
| 8/9/12 | 5:15:45 AM | 0.28 | 227 | 479 | 7 |
| 8/9/12 | 5:16:45 AM | 0.28 | 227 | 478 | 7 |
| 8/9/12 | 5:17:45 AM | 0.28 | 228 | 478 | 7 |
| 8/9/12 | 5:18:45 AM | 0.28 | 228 | 477 | 7 |
| 8/9/12 | 5:19:45 AM | 0.28 | 228 | 478 | 7 |
| 8/9/12 | 5:20:45 AM | 0.28 | 229 | 477 | 7 |
| 8/9/12 | 5:21:45 AM | 0.28 | 229 | 478 | 7 |
| 8/9/12 | 5:22:45 AM | 0.28 | 229 | 480 | 7 |
| 8/9/12 | 5:23:45 AM | 0.28 | 229 | 480 | 7 |
| 8/9/12 | 5:24:45 AM | 0.28 | 229 | 479 | 7 |
| 8/9/12 | 5:25:45 AM | 0.28 | 229 | 477 | 7 |
| 8/9/12 | 5:26:45 AM | 0.28 | 229 | 478 | 7 |
| 8/9/12 | 5:27:45 AM | 0.28 | 230 | 481 | 7 |
| 8/9/12 | 5:28:45 AM | 0.28 | 230 | 480 | 7 |
| 8/9/12 | 5:29:45 AM | 0.28 | 230 | 481 | 7 |
| 8/9/12 | 5:30:45 AM | 0.28 | 229 | 481 | 7 |
| 8/9/12 | 5:31:45 AM | 0.28 | 229 | 480 | 7 |
| 8/9/12 | 5:32:45 AM | 0.28 | 229 | 480 | 8 |
| 8/9/12 | 5:33:45 AM | 0.28 | 229 | 479 | 8 |
| 8/9/12 | 5:34:45 AM | 0.28 | 230 | 479 | 8 |
| 8/9/12 | 5:35:45 AM | 0.28 | 230 | 479 | 8 |
| 8/9/12 | 5:36:45 AM | 0.28 | 231 | 481 | 8 |
| 8/9/12 | 5:37:45 AM | 0.28 | 232 | 481 | 8 |
| 8/9/12 | 5:38:45 AM | 0.28 | 232 | 481 | 8 |
| 8/9/12 | 5:39:45 AM | 0.28 | 231 | 480 | 8 |
| 8/9/12 | 5:40:45 AM | 0.28 | 231 | 481 | 8 |
| 8/9/12 | 5:41:45 AM | 0.27 | 231 | 480 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 5:42:45 AM | 0.28 | 231 | 482 | 7 |
| 8/9/12 | 5:43:45 AM | 0.27 | 231 | 480 | 7 |
| 8/9/12 | 5:44:45 AM | 0.28 | 231 | 482 | 7 |
| 8/9/12 | 5:45:45 AM | 0.28 | 231 | 480 | 8 |
| 8/9/12 | 5:46:45 AM | 0.28 | 230 | 479 | 8 |
| 8/9/12 | 5:47:45 AM | 0.27 | 230 | 481 | 7 |
| 8/9/12 | 5:48:45 AM | 0.28 | 230 | 480 | 7 |
| 8/9/12 | 5:49:45 AM | 0.28 | 230 | 481 | 7 |
| 8/9/12 | 5:50:45 AM | 0.28 | 230 | 481 | 7 |
| 8/9/12 | 5:51:45 AM | 0.28 | 229 | 480 | 7 |
| 8/9/12 | 5:52:45 AM | 0.28 | 229 | 480 | 7 |
| 8/9/12 | 5:53:45 AM | 0.28 | 229 | 480 | 7 |
| 8/9/12 | 5:54:45 AM | 0.28 | 229 | 481 | 7 |
| 8/9/12 | 5:55:45 AM | 0.28 | 229 | 482 | 7 |
| 8/9/12 | 5:56:45 AM | 0.28 | 229 | 481 | 7 |
| 8/9/12 | 5:57:45 AM | 0.28 | 229 | 482 | 7 |
| 8/9/12 | 5:58:45 AM | 0.28 | 229 | 482 | 7 |
| 8/9/12 | 5:59:45 AM | 0.28 | 230 | 482 | 7 |
| 8/9/12 | 6:00:45 AM | 0.28 | 230 | 483 | 7 |
| 8/9/12 | 6:01:45 AM | 0.28 | 230 | 487 | 7 |
| 8/9/12 | 6:02:45 AM | 0.28 | 230 | 487 | 7 |
| 8/9/12 | 6:03:45 AM | 0.28 | 230 | 484 | 7 |
| 8/9/12 | 6:04:45 AM | 0.28 | 230 | 484 | 7 |
| 8/9/12 | 6:05:45 AM | 0.28 | 230 | 482 | 7 |
| 8/9/12 | 6:06:45 AM | 0.28 | 230 | 483 | 7 |
| 8/9/12 | 6:07:45 AM | 0.28 | 230 | 482 | 7 |
| 8/9/12 | 6:08:45 AM | 0.28 | 231 | 485 | 7 |
| 8/9/12 | 6:09:45 AM | 0.28 | 230 | 487 | 7 |
| 8/9/12 | 6:10:45 AM | 0.28 | 230 | 486 | 7 |
| 8/9/12 | 6:11:45 AM | 0.28 | 230 | 486 | 7 |
| 8/9/12 | 6:12:45 AM | 0.28 | 230 | 484 | 7 |
| 8/9/12 | 6:13:45 AM | 0.28 | 230 | 483 | 7 |
| 8/9/12 | 6:14:45 AM | 0.28 | 229 | 483 | 7 |
| 8/9/12 | 6:15:45 AM | 0.28 | 229 | 483 | 7 |
| 8/9/12 | 6:16:45 AM | 0.28 | 229 | 484 | 7 |
| 8/9/12 | 6:17:45 AM | 0.28 | 228 | 484 | 7 |
| 8/9/12 | 6:18:45 AM | 0.28 | 228 | 481 | 7 |
| 8/9/12 | 6:19:45 AM | 0.28 | 228 | 480 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 6:20:45 AM | 0.29 | 227 | 478 | 7 |
| 8/9/12 | 6:21:45 AM | 0.28 | 227 | 478 | 7 |
| 8/9/12 | 6:22:45 AM | 0.28 | 227 | 479 | 7 |
| 8/9/12 | 6:23:45 AM | 0.29 | 228 | 478 | 7 |
| 8/9/12 | 6:24:45 AM | 0.28 | 228 | 479 | 7 |
| 8/9/12 | 6:25:45 AM | 0.28 | 228 | 478 | 7 |
| 8/9/12 | 6:26:45 AM | 0.28 | 227 | 477 | 7 |
| 8/9/12 | 6:27:45 AM | 0.28 | 227 | 478 | 7 |
| 8/9/12 | 6:28:45 AM | 0.28 | 228 | 477 | 7 |
| 8/9/12 | 6:29:45 AM | 0.28 | 228 | 479 | 7 |
| 8/9/12 | 6:30:45 AM | 0.28 | 227 | 479 | 7 |
| 8/9/12 | 6:31:45 AM | 0.28 | 227 | 477 | 7 |
| 8/9/12 | 6:32:45 AM | 0.28 | 228 | 477 | 7 |
| 8/9/12 | 6:33:45 AM | 0.28 | 228 | 479 | 7 |
| 8/9/12 | 6:34:45 AM | 0.28 | 228 | 481 | 7 |
| 8/9/12 | 6:35:45 AM | 0.28 | 228 | 481 | 7 |
| 8/9/12 | 6:36:45 AM | 0.28 | 229 | 482 | 7 |
| 8/9/12 | 6:37:45 AM | 0.28 | 229 | 483 | 7 |
| 8/9/12 | 6:38:45 AM | 0.28 | 229 | 484 | 7 |
| 8/9/12 | 6:39:45 AM | 0.28 | 229 | 483 | 7 |
| 8/9/12 | 6:40:45 AM | 0.28 | 229 | 483 | 7 |
| 8/9/12 | 6:41:45 AM | 0.28 | 230 | 484 | 7 |
| 8/9/12 | 6:42:45 AM | 0.28 | 230 | 486 | 7 |
| 8/9/12 | 6:43:45 AM | 0.28 | 230 | 487 | 7 |
| 8/9/12 | 6:44:45 AM | 0.28 | 229 | 488 | 7 |
| 8/9/12 | 6:45:45 AM | 0.28 | 229 | 486 | 7 |
| 8/9/12 | 6:46:45 AM | 0.28 | 230 | 487 | 7 |
| 8/9/12 | 6:47:45 AM | 0.28 | 230 | 486 | 7 |
| 8/9/12 | 6:48:45 AM | 0.28 | 229 | 487 | 7 |
| 8/9/12 | 6:49:45 AM | 0.28 | 230 | 487 | 7 |
| 8/9/12 | 6:50:45 AM | 0.28 | 230 | 487 | 7 |
| 8/9/12 | 6:51:45 AM | 0.28 | 231 | 487 | 7 |
| 8/9/12 | 6:52:45 AM | 0.28 | 231 | 487 | 7 |
| 8/9/12 | 6:53:45 AM | 0.28 | 231 | 487 | 7 |
| 8/9/12 | 6:54:45 AM | 0.28 | 231 | 487 | 7 |
| 8/9/12 | 6:55:45 AM | 0.28 | 231 | 488 | 7 |
| 8/9/12 | 6:56:45 AM | 0.28 | 232 | 487 | 7 |
| 8/9/12 | 6:57:45 AM | 0.28 | 231 | 488 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 6:58:45 AM | 0.28 | 230 | 488 | 7 |
| 8/9/12 | 6:59:45 AM | 0.28 | 230 | 487 | 7 |
| 8/9/12 | 7:00:45 AM | 0.28 | 230 | 488 | 7 |
| 8/9/12 | 7:01:45 AM | 0.28 | 231 | 487 | 7 |
| 8/9/12 | 7:02:45 AM | 0.28 | 231 | 486 | 8 |
| 8/9/12 | 7:03:45 AM | 0.28 | 230 | 485 | 8 |
| 8/9/12 | 7:04:45 AM | 0.28 | 229 | 483 | 8 |
| 8/9/12 | 7:05:45 AM | 0.28 | 230 | 482 | 7 |
| 8/9/12 | 7:06:45 AM | 0.28 | 230 | 482 | 7 |
| 8/9/12 | 7:07:45 AM | 0.28 | 230 | 481 | 7 |
| 8/9/12 | 7:08:45 AM | 0.28 | 229 | 479 | 7 |
| 8/9/12 | 7:09:45 AM | 0.28 | 230 | 478 | 7 |
| 8/9/12 | 7:10:45 AM | 0.28 | 230 | 479 | 7 |
| 8/9/12 | 7:11:45 AM | 0.28 | 230 | 479 | 7 |
| 8/9/12 | 7:12:45 AM | 0.28 | 230 | 477 | 7 |
| 8/9/12 | 7:13:45 AM | 0.28 | 230 | 477 | 7 |
| 8/9/12 | 7:14:45 AM | 0.28 | 230 | 478 | 7 |
| 8/9/12 | 7:15:45 AM | 0.28 | 230 | 477 | 7 |
| 8/9/12 | 7:16:45 AM | 0.28 | 230 | 477 | 7 |
| 8/9/12 | 7:17:45 AM | 0.28 | 230 | 476 | 7 |
| 8/9/12 | 7:18:45 AM | 0.28 | 230 | 476 | 7 |
| 8/9/12 | 7:19:45 AM | 0.28 | 231 | 477 | 7 |
| 8/9/12 | 7:20:45 AM | 0.28 | 231 | 480 | 7 |
| 8/9/12 | 7:21:45 AM | 0.28 | 231 | 478 | 7 |
| 8/9/12 | 7:22:45 AM | 0.28 | 232 | 480 | 7 |
| 8/9/12 | 7:23:45 AM | 0.28 | 232 | 480 | 7 |
| 8/9/12 | 7:24:45 AM | 0.28 | 232 | 480 | 7 |
| 8/9/12 | 7:25:45 AM | 0.28 | 232 | 481 | 7 |
| 8/9/12 | 7:26:45 AM | 0.28 | 232 | 481 | 7 |
| 8/9/12 | 7:27:45 AM | 0.28 | 232 | 482 | 7 |
| 8/9/12 | 7:28:45 AM | 0.28 | 232 | 482 | 7 |
| 8/9/12 | 7:29:45 AM | 0.28 | 232 | 482 | 7 |
| 8/9/12 | 7:30:45 AM | 0.28 | 232 | 482 | 7 |
| 8/9/12 | 7:31:45 AM | 0.28 | 232 | 483 | 7 |
| 8/9/12 | 7:32:45 AM | 0.28 | 232 | 484 | 7 |
| 8/9/12 | 7:33:45 AM | 0.28 | 232 | 485 | 7 |
| 8/9/12 | 7:34:45 AM | 0.28 | 232 | 488 | 7 |
| 8/9/12 | 7:35:45 AM | 0.28 | 232 | 487 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 7:36:45 AM | 0.28 | 232 | 488 | 7 |
| 8/9/12 | 7:37:45 AM | 0.27 | 232 | 487 | 7 |
| 8/9/12 | 7:38:45 AM | 0.28 | 232 | 488 | 7 |
| 8/9/12 | 7:39:45 AM | 0.28 | 232 | 486 | 7 |
| 8/9/12 | 7:40:45 AM | 0.28 | 232 | 487 | 7 |
| 8/9/12 | 7:41:45 AM | 0.28 | 233 | 487 | 7 |
| 8/9/12 | 7:42:45 AM | 0.28 | 233 | 487 | 7 |
| 8/9/12 | 7:43:45 AM | 0.28 | 233 | 487 | 7 |
| 8/9/12 | 7:44:45 AM | 0.28 | 233 | 488 | 7 |
| 8/9/12 | 7:45:45 AM | 0.28 | 233 | 486 | 7 |
| 8/9/12 | 7:46:45 AM | 0.28 | 232 | 487 | 7 |
| 8/9/12 | 7:47:45 AM | 0.28 | 232 | 486 | 7 |
| 8/9/12 | 7:48:45 AM | 0.28 | 232 | 487 | 7 |
| 8/9/12 | 7:49:45 AM | 0.28 | 232 | 486 | 7 |
| 8/9/12 | 7:50:45 AM | 0.28 | 231 | 485 | 7 |
| 8/9/12 | 7:51:45 AM | 0.28 | 231 | 488 | 7 |
| 8/9/12 | 7:52:45 AM | 0.28 | 230 | 487 | 7 |
| 8/9/12 | 7:53:45 AM | 0.28 | 231 | 486 | 7 |
| 8/9/12 | 7:54:45 AM | 0.28 | 231 | 484 | 7 |
| 8/9/12 | 7:55:45 AM | 0.28 | 231 | 483 | 7 |
| 8/9/12 | 7:56:45 AM | 0.28 | 230 | 483 | 7 |
| 8/9/12 | 7:57:45 AM | 0.28 | 231 | 484 | 7 |
| 8/9/12 | 7:58:45 AM | 0.28 | 231 | 485 | 7 |
| 8/9/12 | 7:59:45 AM | 0.28 | 231 | 486 | 7 |
| 8/9/12 | 8:00:45 AM | 0.28 | 231 | 486 | 7 |
| 8/9/12 | 8:01:45 AM | 0.28 | 231 | 487 | 7 |
| 8/9/12 | 8:02:45 AM | 0.28 | 231 | 487 | 7 |
| 8/9/12 | 8:03:45 AM | 0.28 | 232 | 486 | 7 |
| 8/9/12 | 8:04:45 AM | 0.28 | 232 | 485 | 7 |
| 8/9/12 | 8:05:45 AM | 0.28 | 231 | 484 | 7 |
| 8/9/12 | 8:06:45 AM | 0.28 | 231 | 482 | 7 |
| 8/9/12 | 8:07:45 AM | 0.27 | 231 | 483 | 7 |
| 8/9/12 | 8:08:45 AM | 0.28 | 231 | 480 | 7 |
| 8/9/12 | 8:09:45 AM | 0.27 | 231 | 481 | 7 |
| 8/9/12 | 8:10:45 AM | 0.27 | 231 | 481 | 7 |
| 8/9/12 | 8:11:45 AM | 0.28 | 231 | 480 | 7 |
| 8/9/12 | 8:12:45 AM | 0.28 | 231 | 480 | 7 |
| 8/9/12 | 8:13:45 AM | 0.28 | 231 | 480 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 8:14:45 AM | 0.28 | 232 | 480 | 7 |
| 8/9/12 | 8:15:45 AM | 0.28 | 232 | 478 | 7 |
| 8/9/12 | 8:16:45 AM | 0.28 | 232 | 478 | 7 |
| 8/9/12 | 8:17:45 AM | 0.28 | 232 | 479 | 7 |
| 8/9/12 | 8:18:45 AM | 0.28 | 232 | 483 | 7 |
| 8/9/12 | 8:19:45 AM | 0.27 | 232 | 482 | 7 |
| 8/9/12 | 8:20:45 AM | 0.27 | 232 | 482 | 7 |
| 8/9/12 | 8:21:45 AM | 0.28 | 231 | 482 | 7 |
| 8/9/12 | 8:22:45 AM | 0.28 | 232 | 482 | 7 |
| 8/9/12 | 8:23:45 AM | 0.27 | 231 | 481 | 7 |
| 8/9/12 | 8:24:45 AM | 0.28 | 231 | 482 | 7 |
| 8/9/12 | 8:25:45 AM | 0.27 | 232 | 483 | 7 |
| 8/9/12 | 8:26:45 AM | 0.27 | 231 | 482 | 7 |
| 8/9/12 | 8:27:45 AM | 0.27 | 232 | 482 | 7 |
| 8/9/12 | 8:28:45 AM | 0.27 | 233 | 482 | 7 |
| 8/9/12 | 8:29:45 AM | 0.27 | 233 | 484 | 7 |
| 8/9/12 | 8:30:45 AM | 0.27 | 233 | 485 | 7 |
| 8/9/12 | 8:31:45 AM | 0.27 | 234 | 485 | 7 |
| 8/9/12 | 8:32:45 AM | 0.27 | 234 | 487 | 7 |
| 8/9/12 | 8:33:45 AM | 0.27 | 235 | 487 | 7 |
| 8/9/12 | 8:34:45 AM | 0.27 | 235 | 488 | 7 |
| 8/9/12 | 8:35:45 AM | 0.27 | 236 | 488 | 7 |
| 8/9/12 | 8:36:45 AM | 0.27 | 236 | 492 | 7 |
| 8/9/12 | 8:37:45 AM | 0.27 | 236 | 489 | 7 |
| 8/9/12 | 8:38:45 AM | 0.27 | 236 | 489 | 7 |
| 8/9/12 | 8:39:45 AM | 0.27 | 236 | 490 | 7 |
| 8/9/12 | 8:40:45 AM | 0.27 | 237 | 491 | 7 |
| 8/9/12 | 8:41:45 AM | 0.27 | 236 | 490 | 7 |
| 8/9/12 | 8:42:45 AM | 0.27 | 236 | 491 | 7 |
| 8/9/12 | 8:43:45 AM | 0.27 | 235 | 491 | 7 |
| 8/9/12 | 8:44:45 AM | 0.27 | 236 | 489 | 7 |
| 8/9/12 | 8:45:45 AM | 0.27 | 236 | 488 | 7 |
| 8/9/12 | 8:46:45 AM | 0.27 | 236 | 488 | 7 |
| 8/9/12 | 8:47:45 AM | 0.27 | 237 | 490 | 7 |
| 8/9/12 | 8:48:45 AM | 0.27 | 236 | 490 | 7 |
| 8/9/12 | 8:49:45 AM | 0.27 | 236 | 494 | 7 |
| 8/9/12 | 8:50:45 AM | 0.27 | 236 | 491 | 6 |
| 8/9/12 | 8:51:45 AM | 0.27 | 236 | 492 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 8:52:45 AM | 0.27 | 235 | 489 | 6 |
| 8/9/12 | 8:53:45 AM | 0.27 | 234 | 488 | 6 |
| 8/9/12 | 8:54:45 AM | 0.27 | 234 | 488 | 6 |
| 8/9/12 | 8:55:45 AM | 0.27 | 233 | 487 | 6 |
| 8/9/12 | 8:56:45 AM | 0.27 | 234 | 488 | 6 |
| 8/9/12 | 8:57:45 AM | 0.27 | 234 | 487 | 6 |
| 8/9/12 | 8:58:45 AM | 0.27 | 235 | 489 | 6 |
| 8/9/12 | 8:59:45 AM | 0.27 | 235 | 489 | 6 |
| 8/9/12 | 9:00:45 AM | 0.27 | 235 | 490 | 6 |
| 8/9/12 | 9:01:45 AM | 0.27 | 236 | 489 | 6 |
| 8/9/12 | 9:02:45 AM | 0.28 | 235 | 490 | 6 |
| 8/9/12 | 9:03:45 AM | 0.27 | 235 | 490 | 6 |
| 8/9/12 | 9:04:45 AM | 0.27 | 235 | 490 | 6 |
| 8/9/12 | 9:05:45 AM | 0.27 | 235 | 490 | 6 |
| 8/9/12 | 9:06:45 AM | 0.27 | 235 | 492 | 6 |
| 8/9/12 | 9:07:45 AM | 0.27 | 235 | 491 | 6 |
| 8/9/12 | 9:08:45 AM | 0.27 | 236 | 493 | 6 |
| 8/9/12 | 9:09:45 AM | 0.28 | 237 | 493 | 6 |
| 8/9/12 | 9:10:45 AM | 0.27 | 238 | 495 | 6 |
| 8/9/12 | 9:11:45 AM | 0.27 | 238 | 495 | 6 |
| 8/9/12 | 9:12:45 AM | 0.27 | 238 | 496 | 6 |
| 8/9/12 | 9:13:45 AM | 0.28 | 238 | 498 | 6 |
| 8/9/12 | 9:14:45 AM | 0.27 | 238 | 497 | 6 |
| 8/9/12 | 9:15:45 AM | 0.27 | 238 | 497 | 6 |
| 8/9/12 | 9:16:45 AM | 0.28 | 238 | 497 | 6 |
| 8/9/12 | 9:17:45 AM | 0.27 | 238 | 498 | 6 |
| 8/9/12 | 9:18:45 AM | 0.27 | 237 | 499 | 6 |
| 8/9/12 | 9:19:45 AM | 0.27 | 237 | 498 | 6 |
| 8/9/12 | 9:20:45 AM | 0.27 | 237 | 498 | 6 |
| 8/9/12 | 9:21:45 AM | 0.27 | 237 | 501 | 6 |
| 8/9/12 | 9:22:45 AM | 0.27 | 237 | 499 | 6 |
| 8/9/12 | 9:23:45 AM | 0.27 | 237 | 499 | 6 |
| 8/9/12 | 9:24:45 AM | 0.27 | 237 | 498 | 6 |
| 8/9/12 | 9:25:45 AM | 0.27 | 237 | 498 | 6 |
| 8/9/12 | 9:26:45 AM | 0.28 | 237 | 499 | 6 |
| 8/9/12 | 9:27:45 AM | 0.28 | 236 | 499 | 6 |
| 8/9/12 | 9:28:45 AM | 0.27 | 236 | 499 | 6 |
| 8/9/12 | 9:29:45 AM | Start Calibration | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/9/12 9:30:45 AM | | | | |
| 8/9/12 9:31:45 AM | | | | |
| 8/9/12 9:32:45 AM | | | | |
| 8/9/12 9:33:45 AM | | | | |
| 8/9/12 9:34:45 AM | | | | |
| 8/9/12 9:35:45 AM | | | | |
| 8/9/12 9:36:45 AM | | | | |
| 8/9/12 9:37:45 AM | | | | |
| 8/9/12 9:38:45 AM | | | | |
| 8/9/12 9:39:45 AM | | | | |
| 8/9/12 9:40:45 AM | | | | |
| 8/9/12 9:41:45 AM | | | | |
| 8/9/12 9:42:45 AM | | | | |
| 8/9/12 9:43:45 AM | | | | |
| 8/9/12 9:44:45 AM | | | | |
| 8/9/12 9:45:45 AM | | | | |
| 8/9/12 9:46:45 AM | | | | |
| 8/9/12 9:47:45 AM | | | | |
| 8/9/12 9:48:45 AM | | | | |
| 8/9/12 9:49:45 AM | | | | |
| 8/9/12 9:50:45 AM | | | | |
| 8/9/12 9:51:45 AM | | | | |
| 8/9/12 9:52:45 AM | | | | |
| 8/9/12 9:53:45 AM | | | | |
| 8/9/12 9:54:45 AM | | | | |
| 8/9/12 9:55:45 AM | | | | |
| 8/9/12 9:56:45 AM | | | | |
| 8/9/12 9:57:45 AM | | | | |
| 8/9/12 9:58:45 AM | | | | |
| 8/9/12 9:59:45 AM | | | | |
| 8/9/12 10:00:45 AM | | | | |
| 8/9/12 10:01:45 AM | | | | |
| 8/9/12 10:02:45 AM | | | | |
| 8/9/12 10:03:45 AM | | | | |
| 8/9/12 10:04:45 AM | | | | |
| 8/9/12 10:05:45 AM | | | | |
| 8/9/12 10:06:45 AM | | | | |
| 8/9/12 10:07:45 AM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 10:08:45 AM | | | | |
| 8/9/12 | 10:09:45 AM | | | | |
| 8/9/12 | 10:10:45 AM | | | | |
| 8/9/12 | 10:11:45 AM | | | | |
| 8/9/12 | 10:12:45 AM | | | | |
| 8/9/12 | 10:13:45 AM | | | | |
| 8/9/12 | 10:14:45 AM | End Calibration | | | |
| 8/9/12 | 10:15:45 AM | 0.28 | 230 | 425 | 6 |
| 8/9/12 | 10:16:45 AM | 0.28 | 230 | 433 | 6 |
| 8/9/12 | 10:17:45 AM | 0.29 | 229 | 440 | 6 |
| 8/9/12 | 10:18:45 AM | 0.28 | 229 | 445 | 6 |
| 8/9/12 | 10:19:45 AM | 0.28 | 229 | 447 | 6 |
| 8/9/12 | 10:20:45 AM | 0.28 | 229 | 451 | 6 |
| 8/9/12 | 10:21:45 AM | 0.29 | 229 | 454 | 6 |
| 8/9/12 | 10:22:45 AM | 0.29 | 229 | 458 | 6 |
| 8/9/12 | 10:23:45 AM | 0.29 | 228 | 460 | 6 |
| 8/9/12 | 10:24:45 AM | 0.29 | 228 | 464 | 6 |
| 8/9/12 | 10:25:45 AM | 0.28 | 228 | 466 | 6 |
| 8/9/12 | 10:26:45 AM | 0.28 | 228 | 467 | 7 |
| 8/9/12 | 10:27:45 AM | 0.28 | 228 | 472 | 7 |
| 8/9/12 | 10:28:45 AM | 0.28 | 228 | 471 | 7 |
| 8/9/12 | 10:29:45 AM | 0.28 | 228 | 473 | 7 |
| 8/9/12 | 10:30:45 AM | 0.28 | 229 | 472 | 7 |
| 8/9/12 | 10:31:45 AM | 0.28 | 229 | 474 | 7 |
| 8/9/12 | 10:32:45 AM | 0.28 | 230 | 477 | 6 |
| 8/9/12 | 10:33:45 AM | 0.28 | 229 | 479 | 6 |
| 8/9/12 | 10:34:45 AM | 0.28 | 229 | 483 | 6 |
| 8/9/12 | 10:35:45 AM | 0.28 | 229 | 484 | 7 |
| 8/9/12 | 10:36:45 AM | 0.28 | 229 | 484 | 7 |
| 8/9/12 | 10:37:45 AM | 0.28 | 229 | 485 | 7 |
| 8/9/12 | 10:38:45 AM | 0.28 | 229 | 486 | 7 |
| 8/9/12 | 10:39:45 AM | 0.28 | 230 | 487 | 7 |
| 8/9/12 | 10:40:45 AM | 0.28 | 230 | 488 | 7 |
| 8/9/12 | 10:41:45 AM | 0.29 | 230 | 488 | 7 |
| 8/9/12 | 10:42:45 AM | 0.28 | 230 | 488 | 7 |
| 8/9/12 | 10:43:45 AM | 0.28 | 230 | 487 | 7 |
| 8/9/12 | 10:44:45 AM | 0.29 | 229 | 490 | 6 |
| 8/9/12 | 10:45:45 AM | 0.29 | 229 | 491 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 10:46:45 AM | 0.29 | 228 | 489 | 6 |
| 8/9/12 | 10:47:45 AM | 0.29 | 229 | 488 | 6 |
| 8/9/12 | 10:48:45 AM | 0.29 | 228 | 489 | 6 |
| 8/9/12 | 10:49:45 AM | 0.29 | 228 | 491 | 6 |
| 8/9/12 | 10:50:45 AM | 0.29 | 227 | 490 | 7 |
| 8/9/12 | 10:51:45 AM | 0.29 | 228 | 489 | 7 |
| 8/9/12 | 10:52:45 AM | 0.29 | 228 | 493 | 7 |
| 8/9/12 | 10:53:45 AM | 0.29 | 228 | 492 | 7 |
| 8/9/12 | 10:54:45 AM | 0.29 | 228 | 494 | 7 |
| 8/9/12 | 10:55:45 AM | 0.29 | 228 | 495 | 7 |
| 8/9/12 | 10:56:45 AM | 0.29 | 228 | 494 | 7 |
| 8/9/12 | 10:57:45 AM | 0.29 | 227 | 494 | 7 |
| 8/9/12 | 10:58:45 AM | 0.29 | 227 | 496 | 7 |
| 8/9/12 | 10:59:45 AM | 0.29 | 227 | 494 | 7 |
| 8/9/12 | 11:00:45 AM | 0.29 | 227 | 493 | 7 |
| 8/9/12 | 11:01:45 AM | 0.29 | 227 | 494 | 7 |
| 8/9/12 | 11:02:45 AM | 0.29 | 227 | 494 | 7 |
| 8/9/12 | 11:03:45 AM | 0.29 | 227 | 495 | 7 |
| 8/9/12 | 11:04:45 AM | 0.29 | 227 | 495 | 7 |
| 8/9/12 | 11:05:45 AM | 0.30 | 227 | 495 | 7 |
| 8/9/12 | 11:06:45 AM | 0.29 | 227 | 496 | 7 |
| 8/9/12 | 11:07:45 AM | 0.29 | 226 | 496 | 7 |
| 8/9/12 | 11:08:45 AM | 0.30 | 227 | 494 | 7 |
| 8/9/12 | 11:09:45 AM | 0.29 | 226 | 497 | 7 |
| 8/9/12 | 11:10:45 AM | 0.29 | 226 | 496 | 7 |
| 8/9/12 | 11:11:45 AM | 0.29 | 226 | 497 | 7 |
| 8/9/12 | 11:12:45 AM | 0.29 | 226 | 496 | 7 |
| 8/9/12 | 11:13:45 AM | 0.29 | 225 | 496 | 7 |
| 8/9/12 | 11:14:45 AM | 0.29 | 226 | 495 | 7 |
| 8/9/12 | 11:15:45 AM | 0.29 | 227 | 492 | 7 |
| 8/9/12 | 11:16:45 AM | 0.29 | 227 | 495 | 7 |
| 8/9/12 | 11:17:45 AM | 0.29 | 227 | 494 | 7 |
| 8/9/12 | 11:18:45 AM | 0.29 | 228 | 493 | 7 |
| 8/9/12 | 11:19:45 AM | 0.29 | 229 | 497 | 7 |
| 8/9/12 | 11:20:45 AM | 0.29 | 229 | 500 | 6 |
| 8/9/12 | 11:21:45 AM | 0.29 | 228 | 500 | 6 |
| 8/9/12 | 11:22:45 AM | 0.29 | 228 | 497 | 6 |
| 8/9/12 | 11:23:45 AM | 0.29 | 229 | 497 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 11:24:45 AM | 0.29 | 230 | 497 | 6 |
| 8/9/12 | 11:25:45 AM | 0.29 | 230 | 499 | 6 |
| 8/9/12 | 11:26:45 AM | 0.29 | 230 | 500 | 6 |
| 8/9/12 | 11:27:45 AM | 0.29 | 230 | 501 | 6 |
| 8/9/12 | 11:28:45 AM | 0.29 | 230 | 500 | 6 |
| 8/9/12 | 11:29:45 AM | 0.29 | 230 | 501 | 6 |
| 8/9/12 | 11:30:45 AM | 0.29 | 230 | 500 | 6 |
| 8/9/12 | 11:31:45 AM | 0.29 | 229 | 499 | 6 |
| 8/9/12 | 11:32:45 AM | 0.29 | 230 | 500 | 6 |
| 8/9/12 | 11:33:45 AM | 0.29 | 231 | 501 | 6 |
| 8/9/12 | 11:34:45 AM | 0.29 | 231 | 502 | 6 |
| 8/9/12 | 11:35:45 AM | 0.29 | 231 | 503 | 7 |
| 8/9/12 | 11:36:45 AM | 0.29 | 230 | 502 | 7 |
| 8/9/12 | 11:37:45 AM | 0.30 | 230 | 502 | 7 |
| 8/9/12 | 11:38:45 AM | 0.29 | 229 | 503 | 7 |
| 8/9/12 | 11:39:45 AM | 0.29 | 229 | 502 | 7 |
| 8/9/12 | 11:40:45 AM | 0.29 | 229 | 502 | 7 |
| 8/9/12 | 11:41:45 AM | 0.30 | 229 | 503 | 7 |
| 8/9/12 | 11:42:45 AM | 0.29 | 229 | 503 | 7 |
| 8/9/12 | 11:43:45 AM | 0.29 | 229 | 503 | 7 |
| 8/9/12 | 11:44:45 AM | 0.29 | 229 | 501 | 7 |
| 8/9/12 | 11:45:45 AM | 0.29 | 229 | 498 | 7 |
| 8/9/12 | 11:46:45 AM | 0.28 | 230 | 498 | 7 |
| 8/9/12 | 11:47:45 AM | 0.28 | 231 | 501 | 7 |
| 8/9/12 | 11:48:45 AM | 0.28 | 230 | 499 | 7 |
| 8/9/12 | 11:49:45 AM | 0.28 | 229 | 497 | 7 |
| 8/9/12 | 11:50:45 AM | 0.28 | 228 | 495 | 6 |
| 8/9/12 | 11:51:45 AM | 0.28 | 228 | 494 | 6 |
| 8/9/12 | 11:52:45 AM | 0.28 | 229 | 495 | 6 |
| 8/9/12 | 11:53:45 AM | 0.28 | 228 | 495 | 6 |
| 8/9/12 | 11:54:45 AM | 0.28 | 228 | 497 | 6 |
| 8/9/12 | 11:55:45 AM | 0.28 | 227 | 496 | 6 |
| 8/9/12 | 11:56:45 AM | 0.29 | 227 | 493 | 6 |
| 8/9/12 | 11:57:45 AM | 0.29 | 227 | 492 | 6 |
| 8/9/12 | 11:58:45 AM | 0.29 | 227 | 493 | 6 |
| 8/9/12 | 11:59:45 AM | 0.29 | 227 | 496 | 6 |
| 8/9/12 | 12:00:45 PM | 0.29 | 227 | 497 | 6 |
| 8/9/12 | 12:01:45 PM | 0.29 | 228 | 497 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 12:02:45 PM | 0.28 | 229 | 501 | 6 |
| 8/9/12 | 12:03:45 PM | 0.28 | 228 | 502 | 6 |
| 8/9/12 | 12:04:45 PM | 0.28 | 228 | 501 | 6 |
| 8/9/12 | 12:05:45 PM | 0.28 | 229 | 502 | 6 |
| 8/9/12 | 12:06:45 PM | 0.29 | 230 | 503 | 6 |
| 8/9/12 | 12:07:45 PM | 0.28 | 229 | 503 | 6 |
| 8/9/12 | 12:08:45 PM | 0.28 | 230 | 505 | 7 |
| 8/9/12 | 12:09:45 PM | 0.28 | 229 | 502 | 7 |
| 8/9/12 | 12:10:45 PM | 0.28 | 230 | 502 | 7 |
| 8/9/12 | 12:11:45 PM | 0.28 | 231 | 502 | 6 |
| 8/9/12 | 12:12:45 PM | 0.28 | 231 | 506 | 6 |
| 8/9/12 | 12:13:45 PM | 0.28 | 233 | 507 | 6 |
| 8/9/12 | 12:14:45 PM | 0.28 | 233 | 509 | 7 |
| 8/9/12 | 12:15:45 PM | 0.28 | 233 | 511 | 7 |
| 8/9/12 | 12:16:45 PM | 0.28 | 233 | 511 | 7 |
| 8/9/12 | 12:17:45 PM | 0.28 | 232 | 512 | 7 |
| 8/9/12 | 12:18:45 PM | 0.28 | 232 | 510 | 7 |
| 8/9/12 | 12:19:45 PM | 0.29 | 233 | 511 | 7 |
| 8/9/12 | 12:20:45 PM | 0.27 | 233 | 511 | 7 |
| 8/9/12 | 12:21:45 PM | 0.27 | 233 | 509 | 7 |
| 8/9/12 | 12:22:45 PM | 0.28 | 233 | 509 | 7 |
| 8/9/12 | 12:23:45 PM | 0.28 | 234 | 509 | 7 |
| 8/9/12 | 12:24:45 PM | 0.28 | 234 | 510 | 7 |
| 8/9/12 | 12:25:45 PM | 0.27 | 235 | 511 | 7 |
| 8/9/12 | 12:26:45 PM | 0.28 | 236 | 514 | 7 |
| 8/9/12 | 12:27:45 PM | 0.28 | 236 | 515 | 7 |
| 8/9/12 | 12:28:45 PM | 0.27 | 235 | 514 | 7 |
| 8/9/12 | 12:29:45 PM | 0.27 | 236 | 513 | 7 |
| 8/9/12 | 12:30:45 PM | 0.28 | 237 | 513 | 7 |
| 8/9/12 | 12:31:45 PM | 0.28 | 237 | 515 | 7 |
| 8/9/12 | 12:32:45 PM | 0.28 | 236 | 517 | 7 |
| 8/9/12 | 12:33:45 PM | 0.29 | 234 | 517 | 7 |
| 8/9/12 | 12:34:45 PM | 0.29 | 233 | 516 | 7 |
| 8/9/12 | 12:35:45 PM | 0.28 | 231 | 513 | 7 |
| 8/9/12 | 12:36:45 PM | 0.29 | 230 | 511 | 7 |
| 8/9/12 | 12:37:45 PM | 0.29 | 229 | 509 | 7 |
| 8/9/12 | 12:38:45 PM | 0.29 | 228 | 508 | 7 |
| 8/9/12 | 12:39:45 PM | 0.29 | 228 | 507 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 12:40:45 PM | 0.29 | 229 | 504 | 7 |
| 8/9/12 | 12:41:45 PM | 0.28 | 230 | 505 | 7 |
| 8/9/12 | 12:42:45 PM | 0.28 | 230 | 506 | 7 |
| 8/9/12 | 12:43:45 PM | 0.28 | 230 | 507 | 7 |
| 8/9/12 | 12:44:45 PM | 0.29 | 230 | 506 | 7 |
| 8/9/12 | 12:45:45 PM | 0.29 | 230 | 506 | 7 |
| 8/9/12 | 12:46:45 PM | 0.29 | 230 | 506 | 7 |
| 8/9/12 | 12:47:45 PM | 0.29 | 229 | 503 | 7 |
| 8/9/12 | 12:48:45 PM | 0.28 | 229 | 502 | 7 |
| 8/9/12 | 12:49:45 PM | 0.29 | 230 | 502 | 7 |
| 8/9/12 | 12:50:45 PM | 0.29 | 229 | 502 | 7 |
| 8/9/12 | 12:51:45 PM | 0.29 | 229 | 501 | 7 |
| 8/9/12 | 12:52:45 PM | 0.29 | 228 | 500 | 7 |
| 8/9/12 | 12:53:45 PM | 0.29 | 228 | 499 | 7 |
| 8/9/12 | 12:54:45 PM | 0.29 | 228 | 499 | 7 |
| 8/9/12 | 12:55:45 PM | 0.29 | 228 | 498 | 7 |
| 8/9/12 | 12:56:45 PM | 0.29 | 228 | 499 | 7 |
| 8/9/12 | 12:57:45 PM | 0.30 | 228 | 497 | 7 |
| 8/9/12 | 12:58:45 PM | 0.29 | 227 | 497 | 7 |
| 8/9/12 | 12:59:45 PM | 0.29 | 227 | 495 | 7 |
| 8/9/12 | 1:00:45 PM | 0.29 | 227 | 494 | 7 |
| 8/9/12 | 1:01:45 PM | 0.29 | 228 | 492 | 7 |
| 8/9/12 | 1:02:45 PM | 0.29 | 229 | 491 | 7 |
| 8/9/12 | 1:03:45 PM | 0.29 | 230 | 492 | 7 |
| 8/9/12 | 1:04:45 PM | 0.29 | 230 | 495 | 7 |
| 8/9/12 | 1:05:45 PM | 0.29 | 229 | 497 | 7 |
| 8/9/12 | 1:06:45 PM | 0.29 | 229 | 495 | 7 |
| 8/9/12 | 1:07:45 PM | 0.29 | 228 | 494 | 7 |
| 8/9/12 | 1:08:45 PM | 0.29 | 227 | 494 | 7 |
| 8/9/12 | 1:09:45 PM | 0.30 | 227 | 494 | 7 |
| 8/9/12 | 1:10:45 PM | 0.29 | 227 | 495 | 7 |
| 8/9/12 | 1:11:45 PM | 0.30 | 226 | 495 | 7 |
| 8/9/12 | 1:12:45 PM | 0.30 | 226 | 494 | 7 |
| 8/9/12 | 1:13:45 PM | 0.30 | 226 | 495 | 7 |
| 8/9/12 | 1:14:45 PM | 0.30 | 226 | 496 | 7 |
| 8/9/12 | 1:15:45 PM | 0.29 | 226 | 493 | 7 |
| 8/9/12 | 1:16:45 PM | 0.29 | 226 | 493 | 7 |
| 8/9/12 | 1:17:45 PM | 0.29 | 227 | 489 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 1:18:45 PM | 0.29 | 228 | 487 | 7 |
| 8/9/12 | 1:19:45 PM | 0.28 | 229 | 488 | 7 |
| 8/9/12 | 1:20:45 PM | 0.28 | 228 | 486 | 6 |
| 8/9/12 | 1:21:45 PM | 0.28 | 228 | 484 | 6 |
| 8/9/12 | 1:22:45 PM | 0.28 | 227 | 481 | 6 |
| 8/9/12 | 1:23:45 PM | 0.28 | 226 | 477 | 6 |
| 8/9/12 | 1:24:45 PM | 0.28 | 226 | 476 | 6 |
| 8/9/12 | 1:25:45 PM | 0.28 | 227 | 478 | 6 |
| 8/9/12 | 1:26:45 PM | 0.28 | 227 | 477 | 6 |
| 8/9/12 | 1:27:45 PM | 0.29 | 228 | 477 | 6 |
| 8/9/12 | 1:28:45 PM | 0.28 | 229 | 477 | 6 |
| 8/9/12 | 1:29:45 PM | 0.28 | 229 | 478 | 6 |
| 8/9/12 | 1:30:45 PM | 0.29 | 230 | 480 | 6 |
| 8/9/12 | 1:31:45 PM | 0.28 | 229 | 479 | 6 |
| 8/9/12 | 1:32:45 PM | 0.29 | 228 | 476 | 6 |
| 8/9/12 | 1:33:45 PM | 0.29 | 227 | 476 | 6 |
| 8/9/12 | 1:34:45 PM | 0.29 | 227 | 472 | 6 |
| 8/9/12 | 1:35:45 PM | 0.28 | 226 | 472 | 6 |
| 8/9/12 | 1:36:45 PM | 0.29 | 228 | 472 | 6 |
| 8/9/12 | 1:37:45 PM | 0.29 | 229 | 474 | 6 |
| 8/9/12 | 1:38:45 PM | 0.29 | 229 | 477 | 6 |
| 8/9/12 | 1:39:45 PM | 0.29 | 228 | 475 | 6 |
| 8/9/12 | 1:40:45 PM | 0.29 | 227 | 475 | 6 |
| 8/9/12 | 1:41:45 PM | 0.29 | 228 | 476 | 6 |
| 8/9/12 | 1:42:45 PM | 0.29 | 228 | 473 | 6 |
| 8/9/12 | 1:43:45 PM | 0.29 | 229 | 473 | 6 |
| 8/9/12 | 1:44:45 PM | 0.28 | 229 | 472 | 6 |
| 8/9/12 | 1:45:45 PM | 0.28 | 229 | 473 | 6 |
| 8/9/12 | 1:46:45 PM | 0.28 | 229 | 474 | 6 |
| 8/9/12 | 1:47:45 PM | 0.28 | 229 | 473 | 6 |
| 8/9/12 | 1:48:45 PM | 0.28 | 229 | 475 | 6 |
| 8/9/12 | 1:49:45 PM | 0.28 | 229 | 474 | 6 |
| 8/9/12 | 1:50:45 PM | 0.28 | 228 | 474 | 5 |
| 8/9/12 | 1:51:45 PM | 0.28 | 229 | 474 | 5 |
| 8/9/12 | 1:52:45 PM | 0.28 | 229 | 476 | 5 |
| 8/9/12 | 1:53:45 PM | 0.28 | 229 | 477 | 6 |
| 8/9/12 | 1:54:45 PM | 0.29 | 227 | 473 | 6 |
| 8/9/12 | 1:55:45 PM | 0.29 | 227 | 472 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 1:56:45 PM | 0.29 | 226 | 472 | 5 |
| 8/9/12 | 1:57:45 PM | 0.29 | 225 | 471 | 5 |
| 8/9/12 | 1:58:45 PM | 0.28 | 225 | 470 | 5 |
| 8/9/12 | 1:59:45 PM | 0.29 | 226 | 471 | 5 |
| 8/9/12 | 2:00:45 PM | 0.29 | 227 | 472 | 5 |
| 8/9/12 | 2:01:45 PM | 0.29 | 228 | 473 | 5 |
| 8/9/12 | 2:02:45 PM | 0.29 | 229 | 474 | 6 |
| 8/9/12 | 2:03:45 PM | 0.29 | 229 | 475 | 6 |
| 8/9/12 | 2:04:45 PM | 0.28 | 228 | 473 | 6 |
| 8/9/12 | 2:05:45 PM | 0.28 | 228 | 472 | 5 |
| 8/9/12 | 2:06:45 PM | 0.28 | 229 | 473 | 5 |
| 8/9/12 | 2:07:45 PM | 0.28 | 227 | 472 | 5 |
| 8/9/12 | 2:08:45 PM | 0.28 | 226 | 470 | 6 |
| 8/9/12 | 2:09:45 PM | 0.28 | 226 | 471 | 6 |
| 8/9/12 | 2:10:45 PM | 0.28 | 226 | 473 | 6 |
| 8/9/12 | 2:11:45 PM | 0.28 | 227 | 472 | 6 |
| 8/9/12 | 2:12:45 PM | 0.29 | 227 | 472 | 6 |
| 8/9/12 | 2:13:45 PM | 0.28 | 227 | 470 | 6 |
| 8/9/12 | 2:14:45 PM | 0.28 | 228 | 469 | 5 |
| 8/9/12 | 2:15:45 PM | 0.28 | 227 | 471 | 5 |
| 8/9/12 | 2:16:45 PM | 0.27 | 228 | 472 | 5 |
| 8/9/12 | 2:17:45 PM | 0.28 | 229 | 472 | 6 |
| 8/9/12 | 2:18:45 PM | 0.28 | 230 | 474 | 6 |
| 8/9/12 | 2:19:45 PM | 0.28 | 229 | 477 | 6 |
| 8/9/12 | 2:20:45 PM | 0.27 | 230 | 477 | 6 |
| 8/9/12 | 2:21:45 PM | 0.28 | 229 | 477 | 6 |
| 8/9/12 | 2:22:45 PM | 0.28 | 229 | 475 | 6 |
| 8/9/12 | 2:23:45 PM | 0.28 | 227 | 474 | 5 |
| 8/9/12 | 2:24:45 PM | 0.28 | 226 | 472 | 5 |
| 8/9/12 | 2:25:45 PM | 0.27 | 225 | 472 | 5 |
| 8/9/12 | 2:26:45 PM | 0.28 | 225 | 471 | 5 |
| 8/9/12 | 2:27:45 PM | 0.28 | 225 | 471 | 5 |
| 8/9/12 | 2:28:45 PM | 0.28 | 225 | 470 | 5 |
| 8/9/12 | 2:29:45 PM | 0.28 | 225 | 467 | 5 |
| 8/9/12 | 2:30:45 PM | 0.27 | 226 | 468 | 5 |
| 8/9/12 | 2:31:45 PM | 0.28 | 226 | 469 | 5 |
| 8/9/12 | 2:32:45 PM | 0.28 | 227 | 470 | 5 |
| 8/9/12 | 2:33:45 PM | 0.27 | 227 | 469 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 2:34:45 PM | 0.28 | 228 | 470 | 5 |
| 8/9/12 | 2:35:45 PM | 0.29 | 227 | 470 | 5 |
| 8/9/12 | 2:36:45 PM | 0.28 | 227 | 469 | 5 |
| 8/9/12 | 2:37:45 PM | 0.27 | 228 | 471 | 5 |
| 8/9/12 | 2:38:45 PM | 0.28 | 228 | 473 | 5 |
| 8/9/12 | 2:39:45 PM | 0.27 | 227 | 474 | 5 |
| 8/9/12 | 2:40:45 PM | 0.28 | 227 | 474 | 5 |
| 8/9/12 | 2:41:45 PM | 0.27 | 226 | 474 | 5 |
| 8/9/12 | 2:42:45 PM | 0.28 | 225 | 472 | 5 |
| 8/9/12 | 2:43:45 PM | 0.28 | 225 | 473 | 5 |
| 8/9/12 | 2:44:45 PM | 0.28 | 224 | 473 | 5 |
| 8/9/12 | 2:45:45 PM | 0.28 | 224 | 472 | 5 |
| 8/9/12 | 2:46:45 PM | 0.28 | 223 | 468 | 5 |
| 8/9/12 | 2:47:45 PM | 0.28 | 224 | 468 | 5 |
| 8/9/12 | 2:48:45 PM | 0.27 | 225 | 469 | 5 |
| 8/9/12 | 2:49:45 PM | 0.28 | 226 | 469 | 5 |
| 8/9/12 | 2:50:45 PM | 0.28 | 226 | 468 | 5 |
| 8/9/12 | 2:51:45 PM | 0.28 | 226 | 471 | 5 |
| 8/9/12 | 2:52:45 PM | 0.28 | 224 | 468 | 5 |
| 8/9/12 | 2:53:45 PM | 0.28 | 224 | 468 | 5 |
| 8/9/12 | 2:54:45 PM | 0.28 | 224 | 467 | 5 |
| 8/9/12 | 2:55:45 PM | 0.28 | 223 | 467 | 5 |
| 8/9/12 | 2:56:45 PM | 0.28 | 224 | 467 | 5 |
| 8/9/12 | 2:57:45 PM | 0.28 | 225 | 470 | 5 |
| 8/9/12 | 2:58:45 PM | 0.28 | 227 | 471 | 5 |
| 8/9/12 | 2:59:45 PM | 0.28 | 227 | 472 | 5 |
| 8/9/12 | 3:00:45 PM | 0.28 | 226 | 471 | 5 |
| 8/9/12 | 3:01:45 PM | 0.28 | 226 | 470 | 5 |
| 8/9/12 | 3:02:45 PM | 0.27 | 226 | 470 | 5 |
| 8/9/12 | 3:03:45 PM | 0.27 | 227 | 472 | 5 |
| 8/9/12 | 3:04:45 PM | 0.27 | 229 | 473 | 5 |
| 8/9/12 | 3:05:45 PM | 0.28 | 228 | 474 | 5 |
| 8/9/12 | 3:06:45 PM | 0.28 | 227 | 472 | 5 |
| 8/9/12 | 3:07:45 PM | 0.28 | 225 | 471 | 5 |
| 8/9/12 | 3:08:45 PM | 0.28 | 225 | 469 | 5 |
| 8/9/12 | 3:09:45 PM | 0.28 | 224 | 469 | 5 |
| 8/9/12 | 3:10:45 PM | 0.28 | 224 | 468 | 5 |
| 8/9/12 | 3:11:45 PM | 0.28 | 224 | 467 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 3:12:45 PM | 0.28 | 224 | 467 | 5 |
| 8/9/12 | 3:13:45 PM | 0.28 | 225 | 468 | 5 |
| 8/9/12 | 3:14:45 PM | 0.28 | 224 | 469 | 5 |
| 8/9/12 | 3:15:45 PM | 0.27 | 225 | 470 | 5 |
| 8/9/12 | 3:16:45 PM | 0.28 | 226 | 472 | 5 |
| 8/9/12 | 3:17:45 PM | 0.28 | 226 | 472 | 5 |
| 8/9/12 | 3:18:45 PM | 0.27 | 225 | 473 | 5 |
| 8/9/12 | 3:19:45 PM | 0.28 | 226 | 474 | 5 |
| 8/9/12 | 3:20:45 PM | 0.27 | 227 | 475 | 5 |
| 8/9/12 | 3:21:45 PM | 0.27 | 228 | 476 | 5 |
| 8/9/12 | 3:22:45 PM | 0.28 | 227 | 476 | 5 |
| 8/9/12 | 3:23:45 PM | 0.27 | 227 | 475 | 5 |
| 8/9/12 | 3:24:45 PM | 0.27 | 228 | 479 | 5 |
| 8/9/12 | 3:25:45 PM | 0.28 | 228 | 479 | 5 |
| 8/9/12 | 3:26:45 PM | 0.28 | 227 | 477 | 5 |
| 8/9/12 | 3:27:45 PM | 0.27 | 226 | 475 | 5 |
| 8/9/12 | 3:28:45 PM | 0.28 | 225 | 476 | 5 |
| 8/9/12 | 3:29:45 PM | 0.27 | 224 | 473 | 5 |
| 8/9/12 | 3:30:45 PM | 0.28 | 223 | 473 | 5 |
| 8/9/12 | 3:31:45 PM | 0.28 | 223 | 472 | 5 |
| 8/9/12 | 3:32:45 PM | 0.27 | 223 | 471 | 5 |
| 8/9/12 | 3:33:45 PM | 0.28 | 224 | 470 | 5 |
| 8/9/12 | 3:34:45 PM | 0.27 | 224 | 472 | 5 |
| 8/9/12 | 3:35:45 PM | 0.28 | 226 | 472 | 5 |
| 8/9/12 | 3:36:45 PM | 0.28 | 226 | 472 | 5 |
| 8/9/12 | 3:37:45 PM | 0.27 | 226 | 473 | 5 |
| 8/9/12 | 3:38:45 PM | 0.27 | 227 | 475 | 5 |
| 8/9/12 | 3:39:45 PM | 0.27 | 227 | 477 | 5 |
| 8/9/12 | 3:40:45 PM | 0.28 | 227 | 476 | 5 |
| 8/9/12 | 3:41:45 PM | 0.28 | 228 | 477 | 5 |
| 8/9/12 | 3:42:45 PM | 0.27 | 228 | 477 | 5 |
| 8/9/12 | 3:43:45 PM | 0.27 | 228 | 478 | 5 |
| 8/9/12 | 3:44:45 PM | 0.27 | 229 | 477 | 6 |
| 8/9/12 | 3:45:45 PM | 0.27 | 228 | 478 | 6 |
| 8/9/12 | 3:46:45 PM | 0.28 | 228 | 476 | 6 |
| 8/9/12 | 3:47:45 PM | 0.28 | 228 | 476 | 5 |
| 8/9/12 | 3:48:45 PM | 0.28 | 228 | 477 | 5 |
| 8/9/12 | 3:49:45 PM | 0.28 | 229 | 477 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 3:50:45 PM | 0.27 | 227 | 476 | 5 |
| 8/9/12 | 3:51:45 PM | 0.27 | 227 | 476 | 5 |
| 8/9/12 | 3:52:45 PM | 0.27 | 227 | 475 | 5 |
| 8/9/12 | 3:53:45 PM | 0.27 | 228 | 477 | 6 |
| 8/9/12 | 3:54:45 PM | 0.27 | 228 | 476 | 6 |
| 8/9/12 | 3:55:45 PM | 0.27 | 228 | 477 | 6 |
| 8/9/12 | 3:56:45 PM | 0.27 | 228 | 476 | 6 |
| 8/9/12 | 3:57:45 PM | 0.28 | 228 | 477 | 6 |
| 8/9/12 | 3:58:45 PM | 0.27 | 227 | 477 | 6 |
| 8/9/12 | 3:59:45 PM | 0.28 | 227 | 476 | 6 |
| 8/9/12 | 4:00:45 PM | 0.28 | 228 | 477 | 6 |
| 8/9/12 | 4:01:45 PM | 0.27 | 228 | 480 | 6 |
| 8/9/12 | 4:02:45 PM | 0.27 | 229 | 479 | 6 |
| 8/9/12 | 4:03:45 PM | 0.28 | 230 | 481 | 6 |
| 8/9/12 | 4:04:45 PM | 0.27 | 231 | 482 | 6 |
| 8/9/12 | 4:05:45 PM | 0.28 | 232 | 484 | 6 |
| 8/9/12 | 4:06:45 PM | 0.27 | 232 | 484 | 6 |
| 8/9/12 | 4:07:45 PM | 0.27 | 233 | 486 | 6 |
| 8/9/12 | 4:08:45 PM | 0.27 | 233 | 486 | 6 |
| 8/9/12 | 4:09:45 PM | 0.28 | 232 | 486 | 6 |
| 8/9/12 | 4:10:45 PM | 0.28 | 232 | 487 | 6 |
| 8/9/12 | 4:11:45 PM | 0.28 | 230 | 486 | 6 |
| 8/9/12 | 4:12:45 PM | 0.27 | 230 | 485 | 6 |
| 8/9/12 | 4:13:45 PM | 0.27 | 230 | 483 | 6 |
| 8/9/12 | 4:14:45 PM | 0.28 | 230 | 482 | 6 |
| 8/9/12 | 4:15:45 PM | 0.28 | 229 | 482 | 6 |
| 8/9/12 | 4:16:45 PM | 0.28 | 228 | 479 | 6 |
| 8/9/12 | 4:17:45 PM | 0.28 | 226 | 478 | 6 |
| 8/9/12 | 4:18:45 PM | 0.28 | 225 | 477 | 6 |
| 8/9/12 | 4:19:45 PM | 0.28 | 225 | 473 | 6 |
| 8/9/12 | 4:20:45 PM | 0.28 | 224 | 473 | 6 |
| 8/9/12 | 4:21:45 PM | 0.28 | 225 | 472 | 6 |
| 8/9/12 | 4:22:45 PM | 0.28 | 226 | 473 | 6 |
| 8/9/12 | 4:23:45 PM | 0.28 | 226 | 473 | 6 |
| 8/9/12 | 4:24:45 PM | 0.28 | 227 | 472 | 6 |
| 8/9/12 | 4:25:45 PM | 0.28 | 227 | 475 | 6 |
| 8/9/12 | 4:26:45 PM | 0.28 | 228 | 475 | 6 |
| 8/9/12 | 4:27:45 PM | 0.27 | 229 | 477 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 4:28:45 PM | 0.28 | 231 | 478 | 6 |
| 8/9/12 | 4:29:45 PM | 0.27 | 231 | 479 | 6 |
| 8/9/12 | 4:30:45 PM | 0.27 | 232 | 482 | 6 |
| 8/9/12 | 4:31:45 PM | 0.27 | 232 | 482 | 6 |
| 8/9/12 | 4:32:45 PM | 0.27 | 233 | 483 | 6 |
| 8/9/12 | 4:33:45 PM | 0.27 | 233 | 483 | 6 |
| 8/9/12 | 4:34:45 PM | 0.27 | 234 | 483 | 6 |
| 8/9/12 | 4:35:45 PM | 0.28 | 235 | 485 | 6 |
| 8/9/12 | 4:36:45 PM | 0.27 | 235 | 485 | 6 |
| 8/9/12 | 4:37:45 PM | 0.27 | 235 | 484 | 6 |
| 8/9/12 | 4:38:45 PM | 0.27 | 234 | 486 | 5 |
| 8/9/12 | 4:39:45 PM | 0.27 | 233 | 485 | 5 |
| 8/9/12 | 4:40:45 PM | 0.27 | 233 | 483 | 5 |
| 8/9/12 | 4:41:45 PM | 0.27 | 233 | 483 | 5 |
| 8/9/12 | 4:42:45 PM | 0.27 | 234 | 485 | 5 |
| 8/9/12 | 4:43:45 PM | 0.28 | 234 | 485 | 5 |
| 8/9/12 | 4:44:45 PM | 0.27 | 234 | 486 | 5 |
| 8/9/12 | 4:45:45 PM | 0.27 | 234 | 486 | 5 |
| 8/9/12 | 4:46:45 PM | 0.27 | 235 | 487 | 5 |
| 8/9/12 | 4:47:45 PM | 0.28 | 236 | 487 | 5 |
| 8/9/12 | 4:48:45 PM | 0.27 | 236 | 488 | 5 |
| 8/9/12 | 4:49:45 PM | 0.28 | 236 | 488 | 5 |
| 8/9/12 | 4:50:45 PM | 0.27 | 236 | 488 | 5 |
| 8/9/12 | 4:51:45 PM | 0.27 | 236 | 487 | 5 |
| 8/9/12 | 4:52:45 PM | 0.27 | 236 | 487 | 5 |
| 8/9/12 | 4:53:45 PM | 0.27 | 237 | 487 | 5 |
| 8/9/12 | 4:54:45 PM | 0.27 | 236 | 487 | 5 |
| 8/9/12 | 4:55:45 PM | 0.28 | 235 | 487 | 5 |
| 8/9/12 | 4:56:45 PM | 0.28 | 234 | 486 | 5 |
| 8/9/12 | 4:57:45 PM | 0.27 | 232 | 483 | 5 |
| 8/9/12 | 4:58:45 PM | 0.28 | 232 | 483 | 5 |
| 8/9/12 | 4:59:45 PM | 0.27 | 232 | 482 | 5 |
| 8/9/12 | 5:00:45 PM | 0.27 | 233 | 482 | 5 |
| 8/9/12 | 5:01:45 PM | 0.28 | 232 | 482 | 5 |
| 8/9/12 | 5:02:45 PM | 0.28 | 231 | 481 | 5 |
| 8/9/12 | 5:03:45 PM | 0.28 | 230 | 478 | 5 |
| 8/9/12 | 5:04:45 PM | 0.28 | 228 | 477 | 5 |
| 8/9/12 | 5:05:45 PM | 0.28 | 226 | 473 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 5:06:45 PM | 0.27 | 225 | 469 | 5 |
| 8/9/12 | 5:07:45 PM | 0.28 | 225 | 468 | 5 |
| 8/9/12 | 5:08:45 PM | 0.27 | 226 | 468 | 5 |
| 8/9/12 | 5:09:45 PM | 0.28 | 226 | 469 | 5 |
| 8/9/12 | 5:10:45 PM | 0.28 | 225 | 468 | 5 |
| 8/9/12 | 5:11:45 PM | 0.27 | 226 | 469 | 5 |
| 8/9/12 | 5:12:45 PM | 0.28 | 225 | 468 | 5 |
| 8/9/12 | 5:13:45 PM | 0.28 | 226 | 468 | 5 |
| 8/9/12 | 5:14:45 PM | 0.28 | 227 | 471 | 5 |
| 8/9/12 | 5:15:45 PM | 0.28 | 227 | 472 | 5 |
| 8/9/12 | 5:16:45 PM | 0.28 | 228 | 472 | 5 |
| 8/9/12 | 5:17:45 PM | 0.28 | 228 | 472 | 5 |
| 8/9/12 | 5:18:45 PM | 0.28 | 229 | 474 | 5 |
| 8/9/12 | 5:19:45 PM | 0.28 | 230 | 477 | 5 |
| 8/9/12 | 5:20:45 PM | 0.28 | 229 | 477 | 5 |
| 8/9/12 | 5:21:45 PM | 0.28 | 229 | 474 | 5 |
| 8/9/12 | 5:22:45 PM | 0.27 | 229 | 473 | 5 |
| 8/9/12 | 5:23:45 PM | 0.28 | 229 | 475 | 5 |
| 8/9/12 | 5:24:45 PM | 0.28 | 228 | 476 | 5 |
| 8/9/12 | 5:25:45 PM | 0.27 | 230 | 477 | 5 |
| 8/9/12 | 5:26:45 PM | 0.27 | 232 | 479 | 5 |
| 8/9/12 | 5:27:45 PM | 0.27 | 233 | 481 | 5 |
| 8/9/12 | 5:28:45 PM | 0.28 | 234 | 482 | 5 |
| 8/9/12 | 5:29:45 PM | 0.27 | 234 | 484 | 5 |
| 8/9/12 | 5:30:45 PM | 0.27 | 235 | 483 | 5 |
| 8/9/12 | 5:31:45 PM | 0.27 | 234 | 485 | 5 |
| 8/9/12 | 5:32:45 PM | 0.27 | 233 | 487 | 5 |
| 8/9/12 | 5:33:45 PM | 0.27 | 232 | 482 | 5 |
| 8/9/12 | 5:34:45 PM | 0.28 | 232 | 482 | 5 |
| 8/9/12 | 5:35:45 PM | 0.28 | 232 | 479 | 5 |
| 8/9/12 | 5:36:45 PM | 0.28 | 232 | 478 | 5 |
| 8/9/12 | 5:37:45 PM | 0.28 | 230 | 477 | 5 |
| 8/9/12 | 5:38:45 PM | 0.28 | 229 | 474 | 5 |
| 8/9/12 | 5:39:45 PM | 0.28 | 228 | 475 | 5 |
| 8/9/12 | 5:40:45 PM | 0.28 | 228 | 473 | 5 |
| 8/9/12 | 5:41:45 PM | 0.28 | 228 | 473 | 5 |
| 8/9/12 | 5:42:45 PM | 0.28 | 227 | 472 | 5 |
| 8/9/12 | 5:43:45 PM | 0.28 | 228 | 476 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 5:44:45 PM | 0.28 | 228 | 476 | 5 |
| 8/9/12 | 5:45:45 PM | 0.27 | 227 | 473 | 5 |
| 8/9/12 | 5:46:45 PM | 0.28 | 227 | 472 | 5 |
| 8/9/12 | 5:47:45 PM | 0.28 | 226 | 472 | 5 |
| 8/9/12 | 5:48:45 PM | 0.28 | 225 | 470 | 5 |
| 8/9/12 | 5:49:45 PM | 0.28 | 223 | 467 | 5 |
| 8/9/12 | 5:50:45 PM | 0.28 | 222 | 463 | 5 |
| 8/9/12 | 5:51:45 PM | 0.28 | 222 | 462 | 5 |
| 8/9/12 | 5:52:45 PM | 0.28 | 224 | 464 | 5 |
| 8/9/12 | 5:53:45 PM | 0.28 | 224 | 465 | 5 |
| 8/9/12 | 5:54:45 PM | 0.28 | 225 | 466 | 5 |
| 8/9/12 | 5:55:45 PM | 0.28 | 225 | 467 | 5 |
| 8/9/12 | 5:56:45 PM | 0.28 | 224 | 466 | 5 |
| 8/9/12 | 5:57:45 PM | 0.28 | 223 | 465 | 5 |
| 8/9/12 | 5:58:45 PM | 0.27 | 222 | 463 | 5 |
| 8/9/12 | 5:59:45 PM | 0.28 | 222 | 461 | 5 |
| 8/9/12 | 6:00:45 PM | 0.28 | 222 | 463 | 5 |
| 8/9/12 | 6:01:45 PM | 0.28 | 222 | 462 | 5 |
| 8/9/12 | 6:02:45 PM | 0.28 | 221 | 463 | 5 |
| 8/9/12 | 6:03:45 PM | 0.28 | 222 | 462 | 5 |
| 8/9/12 | 6:04:45 PM | 0.28 | 224 | 466 | 5 |
| 8/9/12 | 6:05:45 PM | 0.28 | 224 | 466 | 5 |
| 8/9/12 | 6:06:45 PM | 0.28 | 225 | 466 | 5 |
| 8/9/12 | 6:07:45 PM | 0.27 | 226 | 468 | 5 |
| 8/9/12 | 6:08:45 PM | 0.27 | 226 | 467 | 5 |
| 8/9/12 | 6:09:45 PM | 0.27 | 227 | 470 | 5 |
| 8/9/12 | 6:10:45 PM | 0.28 | 227 | 471 | 5 |
| 8/9/12 | 6:11:45 PM | 0.28 | 228 | 472 | 5 |
| 8/9/12 | 6:12:45 PM | 0.28 | 228 | 472 | 5 |
| 8/9/12 | 6:13:45 PM | 0.27 | 229 | 473 | 5 |
| 8/9/12 | 6:14:45 PM | 0.27 | 230 | 475 | 5 |
| 8/9/12 | 6:15:45 PM | 0.28 | 231 | 477 | 5 |
| 8/9/12 | 6:16:45 PM | 0.27 | 231 | 476 | 5 |
| 8/9/12 | 6:17:45 PM | 0.27 | 230 | 477 | 5 |
| 8/9/12 | 6:18:45 PM | 0.28 | 230 | 478 | 5 |
| 8/9/12 | 6:19:45 PM | 0.28 | 229 | 477 | 5 |
| 8/9/12 | 6:20:45 PM | 0.27 | 229 | 476 | 5 |
| 8/9/12 | 6:21:45 PM | 0.27 | 229 | 477 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 6:22:45 PM | 0.27 | 230 | 477 | 5 |
| 8/9/12 | 6:23:45 PM | 0.27 | 229 | 475 | 5 |
| 8/9/12 | 6:24:45 PM | 0.28 | 229 | 477 | 5 |
| 8/9/12 | 6:25:45 PM | 0.28 | 229 | 475 | 5 |
| 8/9/12 | 6:26:45 PM | 0.27 | 228 | 473 | 5 |
| 8/9/12 | 6:27:45 PM | 0.28 | 226 | 473 | 5 |
| 8/9/12 | 6:28:45 PM | 0.27 | 225 | 472 | 5 |
| 8/9/12 | 6:29:45 PM | 0.27 | 224 | 469 | 5 |
| 8/9/12 | 6:30:45 PM | 0.27 | 224 | 468 | 5 |
| 8/9/12 | 6:31:45 PM | 0.27 | 225 | 467 | 5 |
| 8/9/12 | 6:32:45 PM | 0.27 | 224 | 467 | 5 |
| 8/9/12 | 6:33:45 PM | 0.27 | 222 | 467 | 5 |
| 8/9/12 | 6:34:45 PM | 0.27 | 222 | 467 | 5 |
| 8/9/12 | 6:35:45 PM | 0.28 | 222 | 464 | 5 |
| 8/9/12 | 6:36:45 PM | 0.27 | 223 | 466 | 5 |
| 8/9/12 | 6:37:45 PM | 0.28 | 224 | 467 | 5 |
| 8/9/12 | 6:38:45 PM | 0.27 | 224 | 467 | 5 |
| 8/9/12 | 6:39:45 PM | 0.27 | 224 | 468 | 5 |
| 8/9/12 | 6:40:45 PM | 0.27 | 224 | 467 | 5 |
| 8/9/12 | 6:41:45 PM | 0.28 | 224 | 469 | 5 |
| 8/9/12 | 6:42:45 PM | 0.27 | 224 | 468 | 5 |
| 8/9/12 | 6:43:45 PM | 0.27 | 223 | 468 | 5 |
| 8/9/12 | 6:44:45 PM | 0.28 | 223 | 468 | 5 |
| 8/9/12 | 6:45:45 PM | 0.28 | 223 | 467 | 5 |
| 8/9/12 | 6:46:45 PM | 0.28 | 222 | 468 | 5 |
| 8/9/12 | 6:47:45 PM | 0.27 | 221 | 467 | 5 |
| 8/9/12 | 6:48:45 PM | 0.28 | 220 | 470 | 5 |
| 8/9/12 | 6:49:45 PM | 0.27 | 219 | 469 | 5 |
| 8/9/12 | 6:50:45 PM | 0.28 | 220 | 467 | 5 |
| 8/9/12 | 6:51:45 PM | 0.28 | 219 | 467 | 5 |
| 8/9/12 | 6:52:45 PM | 0.28 | 219 | 463 | 5 |
| 8/9/12 | 6:53:45 PM | 0.28 | 220 | 462 | 5 |
| 8/9/12 | 6:54:45 PM | 0.27 | 221 | 464 | 5 |
| 8/9/12 | 6:55:45 PM | 0.27 | 222 | 466 | 5 |
| 8/9/12 | 6:56:45 PM | 0.28 | 222 | 467 | 5 |
| 8/9/12 | 6:57:45 PM | 0.28 | 222 | 469 | 5 |
| 8/9/12 | 6:58:45 PM | 0.28 | 222 | 472 | 5 |
| 8/9/12 | 6:59:45 PM | 0.28 | 222 | 471 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 7:00:45 PM | 0.28 | 221 | 470 | 5 |
| 8/9/12 | 7:01:45 PM | 0.27 | 221 | 470 | 5 |
| 8/9/12 | 7:02:45 PM | 0.28 | 223 | 471 | 5 |
| 8/9/12 | 7:03:45 PM | 0.27 | 224 | 472 | 5 |
| 8/9/12 | 7:04:45 PM | 0.28 | 224 | 474 | 5 |
| 8/9/12 | 7:05:45 PM | 0.27 | 224 | 474 | 5 |
| 8/9/12 | 7:06:45 PM | 0.27 | 223 | 473 | 5 |
| 8/9/12 | 7:07:45 PM | 0.28 | 224 | 472 | 5 |
| 8/9/12 | 7:08:45 PM | 0.27 | 223 | 471 | 5 |
| 8/9/12 | 7:09:45 PM | 0.28 | 223 | 469 | 5 |
| 8/9/12 | 7:10:45 PM | 0.27 | 222 | 470 | 5 |
| 8/9/12 | 7:11:45 PM | 0.27 | 223 | 469 | 5 |
| 8/9/12 | 7:12:45 PM | 0.28 | 224 | 470 | 5 |
| 8/9/12 | 7:13:45 PM | 0.28 | 223 | 468 | 5 |
| 8/9/12 | 7:14:45 PM | 0.28 | 222 | 467 | 5 |
| 8/9/12 | 7:15:45 PM | 0.28 | 221 | 468 | 5 |
| 8/9/12 | 7:16:45 PM | 0.28 | 223 | 467 | 5 |
| 8/9/12 | 7:17:45 PM | 0.27 | 224 | 468 | 5 |
| 8/9/12 | 7:18:45 PM | 0.28 | 224 | 469 | 5 |
| 8/9/12 | 7:19:45 PM | 0.27 | 225 | 472 | 5 |
| 8/9/12 | 7:20:45 PM | 0.27 | 225 | 472 | 5 |
| 8/9/12 | 7:21:45 PM | 0.27 | 226 | 471 | 5 |
| 8/9/12 | 7:22:45 PM | 0.28 | 225 | 471 | 5 |
| 8/9/12 | 7:23:45 PM | 0.28 | 224 | 469 | 5 |
| 8/9/12 | 7:24:45 PM | 0.27 | 224 | 468 | 5 |
| 8/9/12 | 7:25:45 PM | 0.27 | 224 | 468 | 5 |
| 8/9/12 | 7:26:45 PM | 0.27 | 224 | 469 | 5 |
| 8/9/12 | 7:27:45 PM | 0.28 | 223 | 468 | 5 |
| 8/9/12 | 7:28:45 PM | 0.28 | 222 | 467 | 5 |
| 8/9/12 | 7:29:45 PM | 0.27 | 222 | 467 | 5 |
| 8/9/12 | 7:30:45 PM | 0.27 | 222 | 465 | 5 |
| 8/9/12 | 7:31:45 PM | 0.27 | 223 | 470 | 5 |
| 8/9/12 | 7:32:45 PM | 0.27 | 223 | 468 | 5 |
| 8/9/12 | 7:33:45 PM | 0.28 | 223 | 468 | 5 |
| 8/9/12 | 7:34:45 PM | 0.28 | 223 | 468 | 5 |
| 8/9/12 | 7:35:45 PM | 0.28 | 222 | 468 | 5 |
| 8/9/12 | 7:36:45 PM | 0.28 | 223 | 467 | 5 |
| 8/9/12 | 7:37:45 PM | 0.27 | 222 | 467 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 7:38:45 PM | 0.28 | 222 | 467 | 5 |
| 8/9/12 | 7:39:45 PM | 0.27 | 222 | 466 | 5 |
| 8/9/12 | 7:40:45 PM | 0.28 | 222 | 467 | 5 |
| 8/9/12 | 7:41:45 PM | 0.28 | 223 | 469 | 5 |
| 8/9/12 | 7:42:45 PM | 0.28 | 223 | 468 | 5 |
| 8/9/12 | 7:43:45 PM | 0.28 | 223 | 469 | 5 |
| 8/9/12 | 7:44:45 PM | 0.28 | 223 | 468 | 5 |
| 8/9/12 | 7:45:45 PM | 0.28 | 224 | 470 | 5 |
| 8/9/12 | 7:46:45 PM | 0.28 | 224 | 472 | 5 |
| 8/9/12 | 7:47:45 PM | 0.28 | 224 | 469 | 5 |
| 8/9/12 | 7:48:45 PM | 0.28 | 224 | 469 | 5 |
| 8/9/12 | 7:49:45 PM | 0.28 | 224 | 469 | 5 |
| 8/9/12 | 7:50:45 PM | 0.27 | 225 | 471 | 5 |
| 8/9/12 | 7:51:45 PM | 0.28 | 226 | 472 | 5 |
| 8/9/12 | 7:52:45 PM | 0.27 | 227 | 474 | 5 |
| 8/9/12 | 7:53:45 PM | 0.28 | 227 | 477 | 5 |
| 8/9/12 | 7:54:45 PM | 0.28 | 228 | 477 | 5 |
| 8/9/12 | 7:55:45 PM | 0.27 | 228 | 478 | 5 |
| 8/9/12 | 7:56:45 PM | 0.28 | 229 | 478 | 5 |
| 8/9/12 | 7:57:45 PM | 0.27 | 229 | 479 | 5 |
| 8/9/12 | 7:58:45 PM | 0.28 | 230 | 481 | 5 |
| 8/9/12 | 7:59:45 PM | 0.27 | 229 | 482 | 5 |
| 8/9/12 | 8:00:45 PM | 0.27 | 228 | 481 | 5 |
| 8/9/12 | 8:01:45 PM | 0.27 | 227 | 479 | 5 |
| 8/9/12 | 8:02:45 PM | 0.27 | 226 | 478 | 5 |
| 8/9/12 | 8:03:45 PM | 0.28 | 225 | 476 | 5 |
| 8/9/12 | 8:04:45 PM | 0.28 | 224 | 473 | 5 |
| 8/9/12 | 8:05:45 PM | 0.28 | 223 | 471 | 5 |
| 8/9/12 | 8:06:45 PM | 0.27 | 223 | 470 | 5 |
| 8/9/12 | 8:07:45 PM | 0.28 | 223 | 468 | 5 |
| 8/9/12 | 8:08:45 PM | 0.28 | 223 | 469 | 5 |
| 8/9/12 | 8:09:45 PM | 0.27 | 225 | 472 | 5 |
| 8/9/12 | 8:10:45 PM | 0.27 | 225 | 472 | 5 |
| 8/9/12 | 8:11:45 PM | 0.27 | 225 | 473 | 5 |
| 8/9/12 | 8:12:45 PM | 0.28 | 225 | 473 | 5 |
| 8/9/12 | 8:13:45 PM | 0.28 | 224 | 473 | 5 |
| 8/9/12 | 8:14:45 PM | 0.27 | 225 | 473 | 5 |
| 8/9/12 | 8:15:45 PM | 0.28 | 225 | 473 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 8:16:45 PM | 0.27 | 226 | 476 | 5 |
| 8/9/12 | 8:17:45 PM | 0.27 | 226 | 476 | 5 |
| 8/9/12 | 8:18:45 PM | 0.27 | 227 | 476 | 5 |
| 8/9/12 | 8:19:45 PM | 0.27 | 227 | 477 | 5 |
| 8/9/12 | 8:20:45 PM | 0.28 | 227 | 478 | 5 |
| 8/9/12 | 8:21:45 PM | 0.27 | 227 | 478 | 5 |
| 8/9/12 | 8:22:45 PM | 0.28 | 227 | 479 | 5 |
| 8/9/12 | 8:23:45 PM | 0.27 | 226 | 479 | 5 |
| 8/9/12 | 8:24:45 PM | 0.27 | 226 | 479 | 5 |
| 8/9/12 | 8:25:45 PM | 0.27 | 227 | 479 | 5 |
| 8/9/12 | 8:26:45 PM | 0.27 | 226 | 478 | 5 |
| 8/9/12 | 8:27:45 PM | 0.28 | 227 | 478 | 5 |
| 8/9/12 | 8:28:45 PM | 0.27 | 227 | 480 | 5 |
| 8/9/12 | 8:29:45 PM | 0.28 | 228 | 481 | 5 |
| 8/9/12 | 8:30:45 PM | 0.28 | 228 | 482 | 5 |
| 8/9/12 | 8:31:45 PM | 0.27 | 229 | 483 | 5 |
| 8/9/12 | 8:32:45 PM | 0.28 | 229 | 482 | 5 |
| 8/9/12 | 8:33:45 PM | 0.27 | 229 | 484 | 5 |
| 8/9/12 | 8:34:45 PM | 0.27 | 228 | 484 | 5 |
| 8/9/12 | 8:35:45 PM | 0.27 | 228 | 483 | 5 |
| 8/9/12 | 8:36:45 PM | 0.27 | 228 | 483 | 5 |
| 8/9/12 | 8:37:45 PM | 0.28 | 229 | 483 | 5 |
| 8/9/12 | 8:38:45 PM | 0.27 | 228 | 482 | 5 |
| 8/9/12 | 8:39:45 PM | 0.28 | 229 | 482 | 5 |
| 8/9/12 | 8:40:45 PM | 0.27 | 229 | 482 | 5 |
| 8/9/12 | 8:41:45 PM | 0.27 | 229 | 482 | 5 |
| 8/9/12 | 8:42:45 PM | 0.27 | 229 | 483 | 5 |
| 8/9/12 | 8:43:45 PM | 0.27 | 230 | 483 | 5 |
| 8/9/12 | 8:44:45 PM | 0.28 | 230 | 487 | 5 |
| 8/9/12 | 8:45:45 PM | 0.28 | 230 | 489 | 5 |
| 8/9/12 | 8:46:45 PM | 0.28 | 230 | 486 | 5 |
| 8/9/12 | 8:47:45 PM | 0.28 | 230 | 485 | 5 |
| 8/9/12 | 8:48:45 PM | 0.28 | 230 | 485 | 5 |
| 8/9/12 | 8:49:45 PM | 0.28 | 229 | 486 | 5 |
| 8/9/12 | 8:50:45 PM | 0.28 | 229 | 484 | 5 |
| 8/9/12 | 8:51:45 PM | 0.28 | 228 | 484 | 5 |
| 8/9/12 | 8:52:45 PM | 0.28 | 227 | 483 | 5 |
| 8/9/12 | 8:53:45 PM | 0.28 | 227 | 483 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 8:54:45 PM | 0.28 | 227 | 482 | 5 |
| 8/9/12 | 8:55:45 PM | 0.28 | 226 | 482 | 5 |
| 8/9/12 | 8:56:45 PM | 0.28 | 225 | 482 | 5 |
| 8/9/12 | 8:57:45 PM | 0.28 | 225 | 480 | 5 |
| 8/9/12 | 8:58:45 PM | 0.28 | 224 | 478 | 5 |
| 8/9/12 | 8:59:45 PM | 0.29 | 223 | 480 | 5 |
| 8/9/12 | 9:00:45 PM | 0.29 | 223 | 477 | 5 |
| 8/9/12 | 9:01:45 PM | 0.29 | 222 | 478 | 5 |
| 8/9/12 | 9:02:45 PM | 0.29 | 221 | 477 | 5 |
| 8/9/12 | 9:03:45 PM | 0.29 | 220 | 477 | 5 |
| 8/9/12 | 9:04:45 PM | 0.29 | 221 | 474 | 5 |
| 8/9/12 | 9:05:45 PM | 0.29 | 222 | 475 | 5 |
| 8/9/12 | 9:06:45 PM | 0.29 | 222 | 474 | 5 |
| 8/9/12 | 9:07:45 PM | 0.29 | 222 | 475 | 5 |
| 8/9/12 | 9:08:45 PM | 0.29 | 223 | 474 | 5 |
| 8/9/12 | 9:09:45 PM | 0.29 | 222 | 474 | 5 |
| 8/9/12 | 9:10:45 PM | 0.28 | 222 | 473 | 5 |
| 8/9/12 | 9:11:45 PM | 0.29 | 221 | 474 | 5 |
| 8/9/12 | 9:12:45 PM | 0.29 | 221 | 473 | 5 |
| 8/9/12 | 9:13:45 PM | 0.29 | 222 | 472 | 5 |
| 8/9/12 | 9:14:45 PM | 0.29 | 223 | 474 | 5 |
| 8/9/12 | 9:15:45 PM | 0.29 | 222 | 473 | 5 |
| 8/9/12 | 9:16:45 PM | 0.28 | 223 | 473 | 5 |
| 8/9/12 | 9:17:45 PM | 0.29 | 223 | 475 | 5 |
| 8/9/12 | 9:18:45 PM | 0.29 | 223 | 475 | 5 |
| 8/9/12 | 9:19:45 PM | 0.28 | 222 | 474 | 5 |
| 8/9/12 | 9:20:45 PM | 0.28 | 222 | 475 | 5 |
| 8/9/12 | 9:21:45 PM | 0.29 | 221 | 476 | 5 |
| 8/9/12 | 9:22:45 PM | 0.29 | 223 | 474 | 5 |
| 8/9/12 | 9:23:45 PM | 0.28 | 223 | 474 | 5 |
| 8/9/12 | 9:24:45 PM | 0.28 | 223 | 475 | 5 |
| 8/9/12 | 9:25:45 PM | 0.29 | 224 | 476 | 5 |
| 8/9/12 | 9:26:45 PM | 0.28 | 225 | 476 | 5 |
| 8/9/12 | 9:27:45 PM | 0.29 | 225 | 476 | 5 |
| 8/9/12 | 9:28:45 PM | 0.29 | 225 | 477 | 5 |
| 8/9/12 | 9:29:45 PM | 0.29 | 225 | 475 | 5 |
| 8/9/12 | 9:30:45 PM | 0.28 | 224 | 476 | 5 |
| 8/9/12 | 9:31:45 PM | 0.28 | 225 | 477 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 9:32:45 PM | 0.28 | 225 | 477 | 5 |
| 8/9/12 | 9:33:45 PM | 0.28 | 225 | 477 | 5 |
| 8/9/12 | 9:34:45 PM | 0.28 | 226 | 477 | 5 |
| 8/9/12 | 9:35:45 PM | 0.28 | 226 | 478 | 5 |
| 8/9/12 | 9:36:45 PM | 0.28 | 226 | 478 | 5 |
| 8/9/12 | 9:37:45 PM | 0.28 | 227 | 480 | 5 |
| 8/9/12 | 9:38:45 PM | 0.28 | 227 | 479 | 5 |
| 8/9/12 | 9:39:45 PM | 0.28 | 227 | 480 | 5 |
| 8/9/12 | 9:40:45 PM | 0.28 | 227 | 480 | 5 |
| 8/9/12 | 9:41:45 PM | 0.28 | 227 | 480 | 5 |
| 8/9/12 | 9:42:45 PM | 0.28 | 227 | 479 | 5 |
| 8/9/12 | 9:43:45 PM | 0.28 | 227 | 480 | 5 |
| 8/9/12 | 9:44:45 PM | 0.28 | 227 | 480 | 5 |
| 8/9/12 | 9:45:45 PM | 0.28 | 226 | 479 | 5 |
| 8/9/12 | 9:46:45 PM | 0.28 | 226 | 478 | 5 |
| 8/9/12 | 9:47:45 PM | 0.28 | 226 | 477 | 5 |
| 8/9/12 | 9:48:45 PM | 0.28 | 226 | 477 | 5 |
| 8/9/12 | 9:49:45 PM | 0.28 | 225 | 477 | 5 |
| 8/9/12 | 9:50:45 PM | 0.28 | 225 | 476 | 5 |
| 8/9/12 | 9:51:45 PM | 0.28 | 225 | 477 | 5 |
| 8/9/12 | 9:52:45 PM | 0.28 | 225 | 477 | 5 |
| 8/9/12 | 9:53:45 PM | 0.29 | 224 | 478 | 5 |
| 8/9/12 | 9:54:45 PM | 0.28 | 225 | 476 | 5 |
| 8/9/12 | 9:55:45 PM | 0.28 | 224 | 475 | 5 |
| 8/9/12 | 9:56:45 PM | 0.28 | 224 | 474 | 5 |
| 8/9/12 | 9:57:45 PM | 0.28 | 225 | 474 | 5 |
| 8/9/12 | 9:58:45 PM | 0.29 | 225 | 476 | 5 |
| 8/9/12 | 9:59:45 PM | 0.28 | 225 | 477 | 5 |
| 8/9/12 | 10:00:45 PM | 0.28 | 224 | 476 | 5 |
| 8/9/12 | 10:01:45 PM | 0.28 | 225 | 476 | 5 |
| 8/9/12 | 10:02:45 PM | 0.28 | 225 | 477 | 5 |
| 8/9/12 | 10:03:45 PM | 0.28 | 226 | 476 | 5 |
| 8/9/12 | 10:04:45 PM | 0.28 | 227 | 478 | 5 |
| 8/9/12 | 10:05:45 PM | 0.28 | 226 | 482 | 5 |
| 8/9/12 | 10:06:45 PM | 0.28 | 226 | 480 | 5 |
| 8/9/12 | 10:07:45 PM | 0.28 | 226 | 477 | 5 |
| 8/9/12 | 10:08:45 PM | 0.28 | 226 | 477 | 5 |
| 8/9/12 | 10:09:45 PM | 0.28 | 226 | 478 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 10:10:45 PM | 0.28 | 227 | 477 | 5 |
| 8/9/12 | 10:11:45 PM | 0.28 | 227 | 478 | 5 |
| 8/9/12 | 10:12:45 PM | 0.28 | 227 | 481 | 5 |
| 8/9/12 | 10:13:45 PM | 0.28 | 227 | 482 | 5 |
| 8/9/12 | 10:14:45 PM | 0.28 | 226 | 480 | 5 |
| 8/9/12 | 10:15:45 PM | 0.28 | 226 | 477 | 5 |
| 8/9/12 | 10:16:45 PM | 0.28 | 226 | 477 | 5 |
| 8/9/12 | 10:17:45 PM | 0.29 | 225 | 477 | 5 |
| 8/9/12 | 10:18:45 PM | 0.29 | 225 | 478 | 5 |
| 8/9/12 | 10:19:45 PM | 0.28 | 225 | 477 | 5 |
| 8/9/12 | 10:20:45 PM | 0.28 | 225 | 476 | 5 |
| 8/9/12 | 10:21:45 PM | 0.28 | 225 | 477 | 5 |
| 8/9/12 | 10:22:45 PM | 0.28 | 225 | 477 | 5 |
| 8/9/12 | 10:23:45 PM | 0.28 | 225 | 477 | 5 |
| 8/9/12 | 10:24:45 PM | 0.28 | 226 | 478 | 5 |
| 8/9/12 | 10:25:45 PM | 0.28 | 225 | 478 | 5 |
| 8/9/12 | 10:26:45 PM | 0.28 | 226 | 478 | 5 |
| 8/9/12 | 10:27:45 PM | 0.28 | 226 | 477 | 5 |
| 8/9/12 | 10:28:45 PM | 0.28 | 227 | 479 | 5 |
| 8/9/12 | 10:29:45 PM | 0.28 | 227 | 480 | 5 |
| 8/9/12 | 10:30:45 PM | 0.28 | 227 | 481 | 5 |
| 8/9/12 | 10:31:45 PM | 0.28 | 226 | 479 | 5 |
| 8/9/12 | 10:32:45 PM | 0.28 | 225 | 479 | 5 |
| 8/9/12 | 10:33:45 PM | 0.28 | 225 | 480 | 5 |
| 8/9/12 | 10:34:45 PM | 0.29 | 224 | 478 | 5 |
| 8/9/12 | 10:35:45 PM | 0.29 | 224 | 477 | 5 |
| 8/9/12 | 10:36:45 PM | 0.29 | 224 | 479 | 5 |
| 8/9/12 | 10:37:45 PM | 0.29 | 224 | 477 | 5 |
| 8/9/12 | 10:38:45 PM | 0.29 | 224 | 477 | 5 |
| 8/9/12 | 10:39:45 PM | 0.29 | 224 | 477 | 5 |
| 8/9/12 | 10:40:45 PM | 0.28 | 224 | 477 | 5 |
| 8/9/12 | 10:41:45 PM | 0.28 | 224 | 477 | 5 |
| 8/9/12 | 10:42:45 PM | 0.28 | 224 | 473 | 5 |
| 8/9/12 | 10:43:45 PM | 0.28 | 225 | 474 | 5 |
| 8/9/12 | 10:44:45 PM | 0.28 | 226 | 476 | 5 |
| 8/9/12 | 10:45:45 PM | 0.28 | 227 | 478 | 5 |
| 8/9/12 | 10:46:45 PM | 0.28 | 227 | 477 | 5 |
| 8/9/12 | 10:47:45 PM | 0.28 | 227 | 478 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 10:48:45 PM | 0.28 | 227 | 478 | 5 |
| 8/9/12 | 10:49:45 PM | 0.28 | 227 | 478 | 5 |
| 8/9/12 | 10:50:45 PM | 0.28 | 227 | 477 | 5 |
| 8/9/12 | 10:51:45 PM | 0.28 | 226 | 477 | 5 |
| 8/9/12 | 10:52:45 PM | 0.29 | 225 | 477 | 5 |
| 8/9/12 | 10:53:45 PM | 0.29 | 224 | 475 | 5 |
| 8/9/12 | 10:54:45 PM | 0.29 | 224 | 475 | 5 |
| 8/9/12 | 10:55:45 PM | 0.28 | 223 | 474 | 5 |
| 8/9/12 | 10:56:45 PM | 0.29 | 224 | 473 | 5 |
| 8/9/12 | 10:57:45 PM | 0.28 | 223 | 472 | 5 |
| 8/9/12 | 10:58:45 PM | 0.28 | 224 | 472 | 5 |
| 8/9/12 | 10:59:45 PM | 0.28 | 224 | 473 | 5 |
| 8/9/12 | 11:00:45 PM | 0.29 | 224 | 473 | 5 |
| 8/9/12 | 11:01:45 PM | 0.29 | 223 | 473 | 5 |
| 8/9/12 | 11:02:45 PM | 0.29 | 223 | 476 | 5 |
| 8/9/12 | 11:03:45 PM | 0.29 | 222 | 475 | 5 |
| 8/9/12 | 11:04:45 PM | 0.29 | 222 | 474 | 5 |
| 8/9/12 | 11:05:45 PM | 0.28 | 222 | 471 | 5 |
| 8/9/12 | 11:06:45 PM | 0.29 | 222 | 471 | 5 |
| 8/9/12 | 11:07:45 PM | 0.29 | 223 | 471 | 5 |
| 8/9/12 | 11:08:45 PM | 0.28 | 224 | 473 | 5 |
| 8/9/12 | 11:09:45 PM | 0.29 | 223 | 473 | 5 |
| 8/9/12 | 11:10:45 PM | 0.28 | 223 | 472 | 5 |
| 8/9/12 | 11:11:45 PM | 0.28 | 223 | 472 | 5 |
| 8/9/12 | 11:12:45 PM | 0.29 | 223 | 472 | 5 |
| 8/9/12 | 11:13:45 PM | 0.28 | 223 | 472 | 5 |
| 8/9/12 | 11:14:45 PM | 0.28 | 224 | 472 | 5 |
| 8/9/12 | 11:15:45 PM | 0.28 | 224 | 473 | 5 |
| 8/9/12 | 11:16:45 PM | 0.29 | 224 | 473 | 5 |
| 8/9/12 | 11:17:45 PM | 0.28 | 224 | 472 | 5 |
| 8/9/12 | 11:18:45 PM | 0.28 | 224 | 472 | 5 |
| 8/9/12 | 11:19:45 PM | 0.28 | 224 | 473 | 5 |
| 8/9/12 | 11:20:45 PM | 0.28 | 224 | 473 | 5 |
| 8/9/12 | 11:21:45 PM | 0.29 | 224 | 473 | 5 |
| 8/9/12 | 11:22:45 PM | 0.29 | 224 | 474 | 5 |
| 8/9/12 | 11:23:45 PM | 0.28 | 225 | 474 | 5 |
| 8/9/12 | 11:24:45 PM | 0.29 | 225 | 475 | 5 |
| 8/9/12 | 11:25:45 PM | 0.29 | 224 | 476 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **09-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **09-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/9/12 | 11:26:45 PM | 0.29 | 224 | 476 | 5 |
| 8/9/12 | 11:27:45 PM | 0.29 | 224 | 476 | 5 |
| 8/9/12 | 11:28:45 PM | 0.29 | 224 | 477 | 5 |
| 8/9/12 | 11:29:45 PM | 0.29 | 224 | 476 | 5 |
| 8/9/12 | 11:30:45 PM | 0.29 | 224 | 476 | 5 |
| 8/9/12 | 11:31:45 PM | 0.29 | 224 | 475 | 5 |
| 8/9/12 | 11:32:45 PM | 0.29 | 224 | 474 | 4 |
| 8/9/12 | 11:33:45 PM | 0.29 | 224 | 475 | 4 |
| 8/9/12 | 11:34:45 PM | 0.29 | 224 | 475 | 5 |
| 8/9/12 | 11:35:45 PM | 0.29 | 225 | 475 | 5 |
| 8/9/12 | 11:36:45 PM | 0.29 | 225 | 477 | 5 |
| 8/9/12 | 11:37:45 PM | 0.28 | 225 | 477 | 5 |
| 8/9/12 | 11:38:45 PM | 0.29 | 224 | 477 | 5 |
| 8/9/12 | 11:39:45 PM | 0.29 | 223 | 476 | 5 |
| 8/9/12 | 11:40:45 PM | 0.29 | 223 | 480 | 5 |
| 8/9/12 | 11:41:45 PM | 0.29 | 223 | 478 | 5 |
| 8/9/12 | 11:42:45 PM | 0.29 | 223 | 477 | 5 |
| 8/9/12 | 11:43:45 PM | 0.29 | 223 | 476 | 5 |
| 8/9/12 | 11:44:45 PM | 0.28 | 224 | 475 | 5 |
| 8/9/12 | 11:45:45 PM | 0.28 | 225 | 479 | 5 |
| 8/9/12 | 11:46:45 PM | 0.29 | 225 | 480 | 5 |
| 8/9/12 | 11:47:45 PM | 0.29 | 224 | 479 | 5 |
| 8/9/12 | 11:48:45 PM | 0.29 | 224 | 478 | 5 |
| 8/9/12 | 11:49:45 PM | 0.28 | 223 | 478 | 5 |
| 8/9/12 | 11:50:45 PM | 0.29 | 223 | 477 | 5 |
| 8/9/12 | 11:51:45 PM | 0.29 | 223 | 476 | 5 |
| 8/9/12 | 11:52:45 PM | 0.28 | 223 | 474 | 5 |
| 8/9/12 | 11:53:45 PM | 0.28 | 223 | 475 | 5 |
| 8/9/12 | 11:54:45 PM | 0.29 | 224 | 475 | 5 |
| 8/9/12 | 11:55:45 PM | 0.29 | 224 | 476 | 5 |
| 8/9/12 | 11:56:45 PM | 0.29 | 224 | 477 | 5 |
| 8/9/12 | 11:57:45 PM | 0.29 | 223 | 475 | 5 |
| 8/9/12 | 11:58:45 PM | 0.29 | 223 | 475 | 5 |
| 8/9/12 | 11:59:45 PM | 0.29 | 223 | 474 | 5 |
| Averages | | 0.28 | 229 | 481 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 12:00:45 AM | 0.29 | 225 | 477 | 5 |
| 8/10/12 | 12:01:45 AM | 0.29 | 225 | 478 | 5 |
| 8/10/12 | 12:02:45 AM | 0.28 | 225 | 477 | 5 |
| 8/10/12 | 12:03:45 AM | 0.28 | 225 | 477 | 5 |
| 8/10/12 | 12:04:45 AM | 0.28 | 225 | 476 | 5 |
| 8/10/12 | 12:05:45 AM | 0.28 | 225 | 474 | 5 |
| 8/10/12 | 12:06:45 AM | 0.28 | 225 | 475 | 5 |
| 8/10/12 | 12:07:45 AM | 0.29 | 225 | 476 | 5 |
| 8/10/12 | 12:08:45 AM | 0.29 | 225 | 477 | 5 |
| 8/10/12 | 12:09:45 AM | 0.29 | 224 | 478 | 5 |
| 8/10/12 | 12:10:45 AM | 0.29 | 223 | 476 | 5 |
| 8/10/12 | 12:11:45 AM | 0.29 | 224 | 474 | 5 |
| 8/10/12 | 12:12:45 AM | 0.29 | 224 | 473 | 5 |
| 8/10/12 | 12:13:45 AM | 0.29 | 223 | 474 | 5 |
| 8/10/12 | 12:14:45 AM | 0.29 | 223 | 473 | 5 |
| 8/10/12 | 12:15:45 AM | 0.29 | 223 | 473 | 5 |
| 8/10/12 | 12:16:45 AM | 0.29 | 224 | 476 | 5 |
| 8/10/12 | 12:17:45 AM | 0.29 | 223 | 478 | 5 |
| 8/10/12 | 12:18:45 AM | 0.29 | 224 | 474 | 5 |
| 8/10/12 | 12:19:45 AM | 0.29 | 223 | 474 | 5 |
| 8/10/12 | 12:20:45 AM | 0.29 | 222 | 474 | 5 |
| 8/10/12 | 12:21:45 AM | 0.29 | 221 | 473 | 5 |
| 8/10/12 | 12:22:45 AM | 0.29 | 220 | 472 | 5 |
| 8/10/12 | 12:23:45 AM | 0.29 | 220 | 472 | 5 |
| 8/10/12 | 12:24:45 AM | 0.29 | 221 | 471 | 5 |
| 8/10/12 | 12:25:45 AM | 0.29 | 220 | 471 | 5 |
| 8/10/12 | 12:26:45 AM | 0.29 | 220 | 469 | 5 |
| 8/10/12 | 12:27:45 AM | 0.29 | 219 | 468 | 5 |
| 8/10/12 | 12:28:45 AM | 0.29 | 219 | 467 | 5 |
| 8/10/12 | 12:29:45 AM | 0.30 | 219 | 468 | 5 |
| 8/10/12 | 12:30:45 AM | 0.30 | 218 | 467 | 5 |
| 8/10/12 | 12:31:45 AM | 0.30 | 218 | 467 | 5 |
| 8/10/12 | 12:32:45 AM | 0.29 | 218 | 464 | 5 |
| 8/10/12 | 12:33:45 AM | 0.29 | 218 | 463 | 5 |
| 8/10/12 | 12:34:45 AM | 0.29 | 218 | 464 | 5 |
| 8/10/12 | 12:35:45 AM | 0.29 | 219 | 468 | 5 |
| 8/10/12 | 12:36:45 AM | 0.29 | 219 | 465 | 5 |
| 8/10/12 | 12:37:45 AM | 0.29 | 219 | 469 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 12:38:45 AM | 0.29 | 219 | 477 | 4 |
| 8/10/12 | 12:39:45 AM | 0.29 | 219 | 477 | 4 |
| 8/10/12 | 12:40:45 AM | 0.29 | 220 | 478 | 4 |
| 8/10/12 | 12:41:45 AM | 0.29 | 221 | 479 | 4 |
| 8/10/12 | 12:42:45 AM | 0.29 | 221 | 478 | 4 |
| 8/10/12 | 12:43:45 AM | 0.29 | 222 | 481 | 4 |
| 8/10/12 | 12:44:45 AM | 0.29 | 222 | 482 | 4 |
| 8/10/12 | 12:45:45 AM | 0.29 | 223 | 483 | 4 |
| 8/10/12 | 12:46:45 AM | 0.29 | 223 | 484 | 4 |
| 8/10/12 | 12:47:45 AM | 0.29 | 222 | 486 | 4 |
| 8/10/12 | 12:48:45 AM | 0.29 | 222 | 484 | 4 |
| 8/10/12 | 12:49:45 AM | 0.29 | 222 | 482 | 4 |
| 8/10/12 | 12:50:45 AM | 0.29 | 222 | 483 | 5 |
| 8/10/12 | 12:51:45 AM | 0.29 | 222 | 482 | 5 |
| 8/10/12 | 12:52:45 AM | 0.29 | 222 | 483 | 5 |
| 8/10/12 | 12:53:45 AM | 0.29 | 222 | 482 | 5 |
| 8/10/12 | 12:54:45 AM | 0.29 | 222 | 482 | 5 |
| 8/10/12 | 12:55:45 AM | 0.29 | 222 | 481 | 5 |
| 8/10/12 | 12:56:45 AM | 0.28 | 222 | 482 | 5 |
| 8/10/12 | 12:57:45 AM | 0.29 | 222 | 483 | 5 |
| 8/10/12 | 12:58:45 AM | 0.29 | 222 | 482 | 4 |
| 8/10/12 | 12:59:45 AM | 0.29 | 222 | 482 | 4 |
| 8/10/12 | 1:00:45 AM | 0.29 | 222 | 483 | 4 |
| 8/10/12 | 1:01:45 AM | 0.29 | 222 | 482 | 4 |
| 8/10/12 | 1:02:45 AM | 0.29 | 222 | 483 | 5 |
| 8/10/12 | 1:03:45 AM | 0.29 | 222 | 483 | 5 |
| 8/10/12 | 1:04:45 AM | 0.29 | 222 | 483 | 5 |
| 8/10/12 | 1:05:45 AM | 0.29 | 221 | 483 | 5 |
| 8/10/12 | 1:06:45 AM | 0.30 | 221 | 483 | 5 |
| 8/10/12 | 1:07:45 AM | 0.30 | 221 | 484 | 5 |
| 8/10/12 | 1:08:45 AM | 0.30 | 220 | 484 | 5 |
| 8/10/12 | 1:09:45 AM | 0.29 | 219 | 483 | 5 |
| 8/10/12 | 1:10:45 AM | 0.29 | 219 | 483 | 5 |
| 8/10/12 | 1:11:45 AM | 0.29 | 219 | 483 | 5 |
| 8/10/12 | 1:12:45 AM | 0.30 | 218 | 485 | 5 |
| 8/10/12 | 1:13:45 AM | 0.30 | 218 | 483 | 5 |
| 8/10/12 | 1:14:45 AM | 0.30 | 217 | 482 | 5 |
| 8/10/12 | 1:15:45 AM | 0.29 | 216 | 482 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 1:16:45 AM | 0.29 | 215 | 478 | 5 |
| 8/10/12 | 1:17:45 AM | 0.29 | 211 | 475 | 5 |
| 8/10/12 | 1:18:45 AM | 0.29 | 206 | 470 | 5 |
| 8/10/12 | 1:19:45 AM | 0.29 | 199 | 464 | 5 |
| 8/10/12 | 1:20:45 AM | 0.30 | 196 | 459 | 4 |
| 8/10/12 | 1:21:45 AM | 0.30 | 193 | 454 | 4 |
| 8/10/12 | 1:22:45 AM | 0.30 | 191 | 451 | 4 |
| 8/10/12 | 1:23:45 AM | 0.30 | 191 | 449 | 5 |
| 8/10/12 | 1:24:45 AM | 0.30 | 190 | 448 | 5 |
| 8/10/12 | 1:25:45 AM | 0.30 | 189 | 446 | 5 |
| 8/10/12 | 1:26:45 AM | 0.32 | 190 | 446 | 4 |
| 8/10/12 | 1:27:45 AM | 0.32 | 190 | 446 | 4 |
| 8/10/12 | 1:28:45 AM | 0.31 | 188 | 448 | 5 |
| 8/10/12 | 1:29:45 AM | 0.31 | 188 | 446 | 5 |
| 8/10/12 | 1:30:45 AM | 0.31 | 187 | 443 | 5 |
| 8/10/12 | 1:31:45 AM | 0.31 | 187 | 442 | 5 |
| 8/10/12 | 1:32:45 AM | 0.31 | 187 | 443 | 5 |
| 8/10/12 | 1:33:45 AM | 0.31 | 188 | 440 | 5 |
| 8/10/12 | 1:34:45 AM | 0.31 | 188 | 437 | 5 |
| 8/10/12 | 1:35:45 AM | 0.30 | 188 | 436 | 5 |
| 8/10/12 | 1:36:45 AM | 0.30 | 187 | 433 | 5 |
| 8/10/12 | 1:37:45 AM | 0.30 | 189 | 432 | 5 |
| 8/10/12 | 1:38:45 AM | 0.30 | 190 | 432 | 5 |
| 8/10/12 | 1:39:45 AM | 0.30 | 192 | 434 | 5 |
| 8/10/12 | 1:40:45 AM | 0.29 | 192 | 442 | 4 |
| 8/10/12 | 1:41:45 AM | 0.29 | 192 | 438 | 4 |
| 8/10/12 | 1:42:45 AM | 0.29 | 193 | 438 | 4 |
| 8/10/12 | 1:43:45 AM | 0.30 | 194 | 438 | 4 |
| 8/10/12 | 1:44:45 AM | 0.30 | 191 | 437 | 4 |
| 8/10/12 | 1:45:45 AM | 0.30 | 187 | 433 | 4 |
| 8/10/12 | 1:46:45 AM | 0.30 | 185 | 428 | 4 |
| 8/10/12 | 1:47:45 AM | 0.29 | 185 | 426 | 4 |
| 8/10/12 | 1:48:45 AM | 0.31 | 186 | 422 | 4 |
| 8/10/12 | 1:49:45 AM | 0.31 | 186 | 422 | 5 |
| 8/10/12 | 1:50:45 AM | 0.30 | 187 | 419 | 5 |
| 8/10/12 | 1:51:45 AM | 0.30 | 189 | 415 | 5 |
| 8/10/12 | 1:52:45 AM | 0.30 | 192 | 412 | 5 |
| 8/10/12 | 1:53:45 AM | 0.30 | 192 | 410 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 1:54:45 AM | 0.30 | 192 | 406 | 4 |
| 8/10/12 | 1:55:45 AM | 0.30 | 191 | 402 | 4 |
| 8/10/12 | 1:56:45 AM | 0.30 | 191 | 398 | 4 |
| 8/10/12 | 1:57:45 AM | 0.31 | 191 | 399 | 4 |
| 8/10/12 | 1:58:45 AM | 0.30 | 190 | 398 | 4 |
| 8/10/12 | 1:59:45 AM | 0.30 | 190 | 398 | 4 |
| 8/10/12 | 2:00:45 AM | 0.30 | 191 | 400 | 4 |
| 8/10/12 | 2:01:45 AM | 0.31 | 190 | 397 | 4 |
| 8/10/12 | 2:02:45 AM | 0.30 | 192 | 397 | 4 |
| 8/10/12 | 2:03:45 AM | 0.30 | 193 | 399 | 4 |
| 8/10/12 | 2:04:45 AM | 0.30 | 192 | 398 | 4 |
| 8/10/12 | 2:05:45 AM | 0.31 | 190 | 397 | 4 |
| 8/10/12 | 2:06:45 AM | 0.31 | 188 | 396 | 4 |
| 8/10/12 | 2:07:45 AM | 0.31 | 189 | 396 | 4 |
| 8/10/12 | 2:08:45 AM | 0.32 | 190 | 398 | 4 |
| 8/10/12 | 2:09:45 AM | 0.32 | 191 | 396 | 4 |
| 8/10/12 | 2:10:45 AM | 0.32 | 190 | 394 | 4 |
| 8/10/12 | 2:11:45 AM | 0.32 | 189 | 392 | 4 |
| 8/10/12 | 2:12:45 AM | 0.32 | 189 | 391 | 4 |
| 8/10/12 | 2:13:45 AM | 0.32 | 190 | 388 | 4 |
| 8/10/12 | 2:14:45 AM | 0.32 | 191 | 390 | 5 |
| 8/10/12 | 2:15:45 AM | 0.31 | 193 | 392 | 5 |
| 8/10/12 | 2:16:45 AM | 0.31 | 194 | 396 | 5 |
| 8/10/12 | 2:17:45 AM | 0.31 | 195 | 399 | 5 |
| 8/10/12 | 2:18:45 AM | 0.32 | 195 | 401 | 5 |
| 8/10/12 | 2:19:45 AM | 0.32 | 196 | 400 | 5 |
| 8/10/12 | 2:20:45 AM | 0.31 | 195 | 396 | 5 |
| 8/10/12 | 2:21:45 AM | 0.31 | 194 | 397 | 5 |
| 8/10/12 | 2:22:45 AM | 0.32 | 194 | 397 | 5 |
| 8/10/12 | 2:23:45 AM | 0.31 | 195 | 395 | 5 |
| 8/10/12 | 2:24:45 AM | 0.31 | 196 | 396 | 5 |
| 8/10/12 | 2:25:45 AM | 0.31 | 197 | 397 | 5 |
| 8/10/12 | 2:26:45 AM | 0.31 | 199 | 398 | 4 |
| 8/10/12 | 2:27:45 AM | 0.31 | 200 | 400 | 4 |
| 8/10/12 | 2:28:45 AM | 0.31 | 199 | 403 | 4 |
| 8/10/12 | 2:29:45 AM | 0.31 | 195 | 403 | 4 |
| 8/10/12 | 2:30:45 AM | 0.30 | 192 | 401 | 4 |
| 8/10/12 | 2:31:45 AM | 0.30 | 191 | 399 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 2:32:45 AM | 0.31 | 190 | 400 | 4 |
| 8/10/12 | 2:33:45 AM | 0.32 | 190 | 404 | 4 |
| 8/10/12 | 2:34:45 AM | 0.32 | 191 | 410 | 4 |
| 8/10/12 | 2:35:45 AM | 0.32 | 191 | 448 | 4 |
| 8/10/12 | 2:36:45 AM | 0.31 | 192 | 440 | 4 |
| 8/10/12 | 2:37:45 AM | 0.31 | 193 | 416 | 4 |
| 8/10/12 | 2:38:45 AM | 0.31 | 195 | 403 | 4 |
| 8/10/12 | 2:39:45 AM | 0.31 | 198 | 397 | 4 |
| 8/10/12 | 2:40:45 AM | 0.31 | 199 | 393 | 4 |
| 8/10/12 | 2:41:45 AM | 0.31 | 200 | 391 | 4 |
| 8/10/12 | 2:42:45 AM | 0.30 | 201 | 388 | 4 |
| 8/10/12 | 2:43:45 AM | 0.31 | 201 | 387 | 4 |
| 8/10/12 | 2:44:45 AM | 0.31 | 201 | 386 | 4 |
| 8/10/12 | 2:45:45 AM | 0.30 | 199 | 384 | 4 |
| 8/10/12 | 2:46:45 AM | 0.30 | 200 | 382 | 4 |
| 8/10/12 | 2:47:45 AM | 0.30 | 202 | 381 | 4 |
| 8/10/12 | 2:48:45 AM | 0.30 | 203 | 381 | 4 |
| 8/10/12 | 2:49:45 AM | 0.31 | 204 | 380 | 4 |
| 8/10/12 | 2:50:45 AM | 0.31 | 205 | 381 | 4 |
| 8/10/12 | 2:51:45 AM | 0.30 | 206 | 381 | 4 |
| 8/10/12 | 2:52:45 AM | 0.31 | 206 | 381 | 4 |
| 8/10/12 | 2:53:45 AM | 0.31 | 207 | 381 | 4 |
| 8/10/12 | 2:54:45 AM | 0.30 | 208 | 381 | 4 |
| 8/10/12 | 2:55:45 AM | 0.30 | 209 | 380 | 4 |
| 8/10/12 | 2:56:45 AM | 0.30 | 210 | 381 | 4 |
| 8/10/12 | 2:57:45 AM | 0.30 | 210 | 382 | 4 |
| 8/10/12 | 2:58:45 AM | 0.30 | 211 | 382 | 4 |
| 8/10/12 | 2:59:45 AM | 0.30 | 212 | 383 | 4 |
| 8/10/12 | 3:00:45 AM | 0.30 | 209 | 382 | 4 |
| 8/10/12 | 3:01:45 AM | 0.30 | 207 | 378 | 3 |
| 8/10/12 | 3:02:45 AM | 0.30 | 206 | 378 | 3 |
| 8/10/12 | 3:03:45 AM | 0.30 | 207 | 376 | 3 |
| 8/10/12 | 3:04:45 AM | 0.30 | 206 | 376 | 3 |
| 8/10/12 | 3:05:45 AM | 0.30 | 207 | 377 | 4 |
| 8/10/12 | 3:06:45 AM | 0.30 | 207 | 374 | 4 |
| 8/10/12 | 3:07:45 AM | 0.30 | 208 | 372 | 3 |
| 8/10/12 | 3:08:45 AM | 0.30 | 208 | 371 | 3 |
| 8/10/12 | 3:09:45 AM | 0.30 | 208 | 370 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 3:10:45 AM | 0.30 | 209 | 368 | 3 |
| 8/10/12 | 3:11:45 AM | 0.30 | 209 | 367 | 3 |
| 8/10/12 | 3:12:45 AM | 0.30 | 210 | 367 | 3 |
| 8/10/12 | 3:13:45 AM | 0.29 | 211 | 367 | 3 |
| 8/10/12 | 3:14:45 AM | 0.29 | 213 | 366 | 3 |
| 8/10/12 | 3:15:45 AM | 0.29 | 214 | 367 | 3 |
| 8/10/12 | 3:16:45 AM | 0.29 | 215 | 366 | 3 |
| 8/10/12 | 3:17:45 AM | 0.29 | 214 | 366 | 3 |
| 8/10/12 | 3:18:45 AM | 0.30 | 205 | 362 | 3 |
| 8/10/12 | 3:19:45 AM | 0.30 | 198 | 358 | 3 |
| 8/10/12 | 3:20:45 AM | 0.30 | 195 | 354 | 3 |
| 8/10/12 | 3:21:45 AM | 0.31 | 195 | 352 | 3 |
| 8/10/12 | 3:22:45 AM | 0.31 | 195 | 350 | 3 |
| 8/10/12 | 3:23:45 AM | 0.30 | 195 | 346 | 3 |
| 8/10/12 | 3:24:45 AM | 0.30 | 197 | 343 | 3 |
| 8/10/12 | 3:25:45 AM | 0.30 | 200 | 343 | 3 |
| 8/10/12 | 3:26:45 AM | 0.29 | 203 | 342 | 3 |
| 8/10/12 | 3:27:45 AM | 0.29 | 205 | 343 | 3 |
| 8/10/12 | 3:28:45 AM | 0.29 | 208 | 343 | 3 |
| 8/10/12 | 3:29:45 AM | 0.30 | 208 | 343 | 3 |
| 8/10/12 | 3:30:45 AM | 0.29 | 209 | 342 | 3 |
| 8/10/12 | 3:31:45 AM | 0.29 | 210 | 342 | 3 |
| 8/10/12 | 3:32:45 AM | 0.29 | 211 | 341 | 3 |
| 8/10/12 | 3:33:45 AM | 0.29 | 211 | 342 | 3 |
| 8/10/12 | 3:34:45 AM | 0.29 | 212 | 341 | 3 |
| 8/10/12 | 3:35:45 AM | 0.29 | 213 | 340 | 2 |
| 8/10/12 | 3:36:45 AM | 0.29 | 214 | 342 | 2 |
| 8/10/12 | 3:37:45 AM | 0.29 | 214 | 343 | 2 |
| 8/10/12 | 3:38:45 AM | 0.29 | 214 | 342 | 3 |
| 8/10/12 | 3:39:45 AM | 0.29 | 213 | 342 | 3 |
| 8/10/12 | 3:40:45 AM | 0.30 | 213 | 342 | 2 |
| 8/10/12 | 3:41:45 AM | 0.30 | 213 | 342 | 2 |
| 8/10/12 | 3:42:45 AM | 0.29 | 211 | 342 | 2 |
| 8/10/12 | 3:43:45 AM | 0.30 | 211 | 341 | 2 |
| 8/10/12 | 3:44:45 AM | 0.29 | 211 | 342 | 2 |
| 8/10/12 | 3:45:45 AM | 0.29 | 212 | 342 | 2 |
| 8/10/12 | 3:46:45 AM | 0.28 | 212 | 343 | 2 |
| 8/10/12 | 3:47:45 AM | 0.29 | 213 | 343 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 3:48:45 AM | 0.29 | 213 | 342 | 2 |
| 8/10/12 | 3:49:45 AM | 0.29 | 213 | 344 | 2 |
| 8/10/12 | 3:50:45 AM | 0.29 | 214 | 346 | 2 |
| 8/10/12 | 3:51:45 AM | 0.29 | 213 | 345 | 2 |
| 8/10/12 | 3:52:45 AM | 0.29 | 212 | 347 | 2 |
| 8/10/12 | 3:53:45 AM | 0.29 | 213 | 348 | 2 |
| 8/10/12 | 3:54:45 AM | 0.30 | 213 | 348 | 2 |
| 8/10/12 | 3:55:45 AM | 0.30 | 212 | 349 | 2 |
| 8/10/12 | 3:56:45 AM | 0.29 | 212 | 349 | 2 |
| 8/10/12 | 3:57:45 AM | 0.29 | 212 | 351 | 2 |
| 8/10/12 | 3:58:45 AM | 0.29 | 213 | 351 | 2 |
| 8/10/12 | 3:59:45 AM | 0.29 | 214 | 351 | 2 |
| 8/10/12 | 4:00:45 AM | 0.29 | 215 | 352 | 2 |
| 8/10/12 | 4:01:45 AM | 0.29 | 216 | 353 | 2 |
| 8/10/12 | 4:02:45 AM | 0.29 | 216 | 353 | 3 |
| 8/10/12 | 4:03:45 AM | 0.29 | 216 | 354 | 3 |
| 8/10/12 | 4:04:45 AM | 0.29 | 216 | 355 | 3 |
| 8/10/12 | 4:05:45 AM | 0.29 | 216 | 356 | 3 |
| 8/10/12 | 4:06:45 AM | 0.29 | 217 | 358 | 3 |
| 8/10/12 | 4:07:45 AM | 0.29 | 217 | 358 | 3 |
| 8/10/12 | 4:08:45 AM | 0.29 | 217 | 358 | 3 |
| 8/10/12 | 4:09:45 AM | 0.28 | 217 | 360 | 3 |
| 8/10/12 | 4:10:45 AM | 0.28 | 218 | 362 | 3 |
| 8/10/12 | 4:11:45 AM | 0.29 | 218 | 362 | 3 |
| 8/10/12 | 4:12:45 AM | 0.28 | 217 | 362 | 3 |
| 8/10/12 | 4:13:45 AM | 0.28 | 217 | 362 | 3 |
| 8/10/12 | 4:14:45 AM | 0.29 | 217 | 364 | 3 |
| 8/10/12 | 4:15:45 AM | 0.28 | 217 | 364 | 3 |
| 8/10/12 | 4:16:45 AM | 0.29 | 217 | 363 | 3 |
| 8/10/12 | 4:17:45 AM | 0.28 | 218 | 364 | 3 |
| 8/10/12 | 4:18:45 AM | 0.28 | 218 | 366 | 3 |
| 8/10/12 | 4:19:45 AM | 0.28 | 218 | 367 | 3 |
| 8/10/12 | 4:20:45 AM | 0.28 | 219 | 368 | 3 |
| 8/10/12 | 4:21:45 AM | 0.28 | 219 | 368 | 3 |
| 8/10/12 | 4:22:45 AM | 0.28 | 220 | 369 | 3 |
| 8/10/12 | 4:23:45 AM | 0.28 | 220 | 371 | 3 |
| 8/10/12 | 4:24:45 AM | 0.28 | 221 | 370 | 3 |
| 8/10/12 | 4:25:45 AM | 0.28 | 221 | 372 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 4:26:45 AM | 0.28 | 221 | 372 | 3 |
| 8/10/12 | 4:27:45 AM | 0.28 | 221 | 372 | 3 |
| 8/10/12 | 4:28:45 AM | 0.28 | 221 | 375 | 3 |
| 8/10/12 | 4:29:45 AM | 0.28 | 222 | 377 | 3 |
| 8/10/12 | 4:30:45 AM | 0.28 | 223 | 377 | 3 |
| 8/10/12 | 4:31:45 AM | 0.28 | 223 | 378 | 3 |
| 8/10/12 | 4:32:45 AM | 0.28 | 222 | 378 | 3 |
| 8/10/12 | 4:33:45 AM | 0.28 | 222 | 377 | 3 |
| 8/10/12 | 4:34:45 AM | 0.29 | 221 | 378 | 3 |
| 8/10/12 | 4:35:45 AM | 0.29 | 220 | 379 | 3 |
| 8/10/12 | 4:36:45 AM | 0.28 | 218 | 377 | 3 |
| 8/10/12 | 4:37:45 AM | 0.28 | 218 | 378 | 3 |
| 8/10/12 | 4:38:45 AM | 0.28 | 217 | 378 | 3 |
| 8/10/12 | 4:39:45 AM | 0.28 | 218 | 378 | 3 |
| 8/10/12 | 4:40:45 AM | 0.28 | 219 | 380 | 3 |
| 8/10/12 | 4:41:45 AM | 0.28 | 219 | 379 | 3 |
| 8/10/12 | 4:42:45 AM | 0.28 | 218 | 377 | 3 |
| 8/10/12 | 4:43:45 AM | 0.28 | 219 | 377 | 3 |
| 8/10/12 | 4:44:45 AM | 0.28 | 220 | 378 | 3 |
| 8/10/12 | 4:45:45 AM | 0.28 | 220 | 378 | 3 |
| 8/10/12 | 4:46:45 AM | 0.28 | 221 | 379 | 3 |
| 8/10/12 | 4:47:45 AM | 0.28 | 221 | 378 | 3 |
| 8/10/12 | 4:48:45 AM | 0.28 | 221 | 380 | 3 |
| 8/10/12 | 4:49:45 AM | 0.28 | 221 | 382 | 3 |
| 8/10/12 | 4:50:45 AM | 0.28 | 220 | 381 | 3 |
| 8/10/12 | 4:51:45 AM | 0.28 | 220 | 381 | 3 |
| 8/10/12 | 4:52:45 AM | 0.28 | 221 | 381 | 3 |
| 8/10/12 | 4:53:45 AM | 0.28 | 222 | 382 | 3 |
| 8/10/12 | 4:54:45 AM | 0.28 | 222 | 382 | 3 |
| 8/10/12 | 4:55:45 AM | 0.28 | 223 | 383 | 3 |
| 8/10/12 | 4:56:45 AM | 0.28 | 224 | 383 | 3 |
| 8/10/12 | 4:57:45 AM | 0.28 | 225 | 385 | 3 |
| 8/10/12 | 4:58:45 AM | 0.28 | 225 | 388 | 3 |
| 8/10/12 | 4:59:45 AM | 0.28 | 226 | 388 | 3 |
| 8/10/12 | 5:00:45 AM | 0.28 | 225 | 389 | 3 |
| 8/10/12 | 5:01:45 AM | 0.28 | 225 | 390 | 3 |
| 8/10/12 | 5:02:45 AM | 0.28 | 225 | 393 | 3 |
| 8/10/12 | 5:03:45 AM | 0.28 | 226 | 392 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 5:04:45 AM | 0.28 | 226 | 392 | 3 |
| 8/10/12 | 5:05:45 AM | 0.28 | 225 | 394 | 3 |
| 8/10/12 | 5:06:45 AM | 0.28 | 225 | 394 | 3 |
| 8/10/12 | 5:07:45 AM | 0.28 | 225 | 396 | 3 |
| 8/10/12 | 5:08:45 AM | 0.28 | 225 | 397 | 3 |
| 8/10/12 | 5:09:45 AM | 0.28 | 225 | 398 | 3 |
| 8/10/12 | 5:10:45 AM | 0.28 | 224 | 398 | 2 |
| 8/10/12 | 5:11:45 AM | 0.28 | 223 | 399 | 2 |
| 8/10/12 | 5:12:45 AM | 0.28 | 223 | 398 | 2 |
| 8/10/12 | 5:13:45 AM | 0.28 | 223 | 400 | 3 |
| 8/10/12 | 5:14:45 AM | 0.28 | 223 | 400 | 3 |
| 8/10/12 | 5:15:45 AM | 0.28 | 223 | 400 | 3 |
| 8/10/12 | 5:16:45 AM | 0.28 | 222 | 401 | 3 |
| 8/10/12 | 5:17:45 AM | 0.28 | 222 | 400 | 3 |
| 8/10/12 | 5:18:45 AM | 0.28 | 220 | 398 | 3 |
| 8/10/12 | 5:19:45 AM | 0.29 | 219 | 398 | 3 |
| 8/10/12 | 5:20:45 AM | 0.28 | 220 | 398 | 3 |
| 8/10/12 | 5:21:45 AM | 0.28 | 220 | 398 | 3 |
| 8/10/12 | 5:22:45 AM | 0.29 | 221 | 398 | 3 |
| 8/10/12 | 5:23:45 AM | 0.28 | 221 | 399 | 3 |
| 8/10/12 | 5:24:45 AM | 0.28 | 221 | 399 | 3 |
| 8/10/12 | 5:25:45 AM | 0.28 | 221 | 398 | 3 |
| 8/10/12 | 5:26:45 AM | 0.28 | 221 | 398 | 3 |
| 8/10/12 | 5:27:45 AM | 0.28 | 221 | 400 | 3 |
| 8/10/12 | 5:28:45 AM | 0.28 | 222 | 401 | 3 |
| 8/10/12 | 5:29:45 AM | 0.28 | 223 | 399 | 3 |
| 8/10/12 | 5:30:45 AM | 0.28 | 222 | 400 | 3 |
| 8/10/12 | 5:31:45 AM | 0.28 | 222 | 399 | 3 |
| 8/10/12 | 5:32:45 AM | 0.28 | 222 | 400 | 3 |
| 8/10/12 | 5:33:45 AM | 0.28 | 223 | 400 | 3 |
| 8/10/12 | 5:34:45 AM | 0.28 | 223 | 400 | 3 |
| 8/10/12 | 5:35:45 AM | 0.28 | 223 | 402 | 3 |
| 8/10/12 | 5:36:45 AM | 0.28 | 222 | 402 | 3 |
| 8/10/12 | 5:37:45 AM | 0.28 | 221 | 400 | 3 |
| 8/10/12 | 5:38:45 AM | 0.28 | 220 | 403 | 3 |
| 8/10/12 | 5:39:45 AM | 0.28 | 221 | 399 | 3 |
| 8/10/12 | 5:40:45 AM | 0.28 | 221 | 400 | 3 |
| 8/10/12 | 5:41:45 AM | 0.28 | 220 | 399 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 5:42:45 AM | 0.28 | 221 | 400 | 3 |
| 8/10/12 | 5:43:45 AM | 0.28 | 221 | 400 | 3 |
| 8/10/12 | 5:44:45 AM | 0.28 | 220 | 400 | 3 |
| 8/10/12 | 5:45:45 AM | 0.28 | 220 | 401 | 3 |
| 8/10/12 | 5:46:45 AM | 0.28 | 220 | 401 | 3 |
| 8/10/12 | 5:47:45 AM | 0.28 | 221 | 401 | 3 |
| 8/10/12 | 5:48:45 AM | 0.28 | 220 | 401 | 3 |
| 8/10/12 | 5:49:45 AM | 0.28 | 221 | 400 | 3 |
| 8/10/12 | 5:50:45 AM | 0.28 | 222 | 400 | 3 |
| 8/10/12 | 5:51:45 AM | 0.28 | 221 | 401 | 3 |
| 8/10/12 | 5:52:45 AM | 0.28 | 220 | 400 | 3 |
| 8/10/12 | 5:53:45 AM | 0.28 | 219 | 401 | 3 |
| 8/10/12 | 5:54:45 AM | 0.28 | 219 | 400 | 3 |
| 8/10/12 | 5:55:45 AM | 0.28 | 218 | 399 | 3 |
| 8/10/12 | 5:56:45 AM | 0.28 | 219 | 399 | 3 |
| 8/10/12 | 5:57:45 AM | 0.28 | 219 | 400 | 3 |
| 8/10/12 | 5:58:45 AM | 0.28 | 219 | 400 | 3 |
| 8/10/12 | 5:59:45 AM | 0.28 | 219 | 401 | 3 |
| 8/10/12 | 6:00:45 AM | 0.28 | 219 | 402 | 3 |
| 8/10/12 | 6:01:45 AM | 0.28 | 219 | 403 | 3 |
| 8/10/12 | 6:02:45 AM | 0.28 | 220 | 403 | 3 |
| 8/10/12 | 6:03:45 AM | 0.28 | 220 | 403 | 3 |
| 8/10/12 | 6:04:45 AM | 0.28 | 219 | 403 | 3 |
| 8/10/12 | 6:05:45 AM | 0.28 | 220 | 403 | 3 |
| 8/10/12 | 6:06:45 AM | 0.28 | 220 | 403 | 3 |
| 8/10/12 | 6:07:45 AM | 0.28 | 220 | 403 | 3 |
| 8/10/12 | 6:08:45 AM | 0.28 | 221 | 405 | 3 |
| 8/10/12 | 6:09:45 AM | 0.29 | 222 | 404 | 3 |
| 8/10/12 | 6:10:45 AM | 0.28 | 222 | 405 | 3 |
| 8/10/12 | 6:11:45 AM | 0.28 | 223 | 406 | 3 |
| 8/10/12 | 6:12:45 AM | 0.28 | 224 | 407 | 3 |
| 8/10/12 | 6:13:45 AM | 0.28 | 224 | 409 | 3 |
| 8/10/12 | 6:14:45 AM | 0.28 | 223 | 408 | 3 |
| 8/10/12 | 6:15:45 AM | 0.28 | 222 | 407 | 3 |
| 8/10/12 | 6:16:45 AM | 0.28 | 221 | 408 | 3 |
| 8/10/12 | 6:17:45 AM | 0.28 | 221 | 408 | 3 |
| 8/10/12 | 6:18:45 AM | 0.28 | 220 | 410 | 3 |
| 8/10/12 | 6:19:45 AM | 0.28 | 220 | 408 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 6:20:45 AM | 0.29 | 221 | 408 | 3 |
| 8/10/12 | 6:21:45 AM | 0.28 | 220 | 408 | 3 |
| 8/10/12 | 6:22:45 AM | 0.28 | 220 | 407 | 3 |
| 8/10/12 | 6:23:45 AM | 0.29 | 219 | 406 | 3 |
| 8/10/12 | 6:24:45 AM | 0.28 | 218 | 406 | 3 |
| 8/10/12 | 6:25:45 AM | 0.28 | 218 | 407 | 3 |
| 8/10/12 | 6:26:45 AM | 0.28 | 219 | 405 | 3 |
| 8/10/12 | 6:27:45 AM | 0.28 | 219 | 404 | 3 |
| 8/10/12 | 6:28:45 AM | 0.28 | 218 | 403 | 3 |
| 8/10/12 | 6:29:45 AM | 0.29 | 217 | 403 | 3 |
| 8/10/12 | 6:30:45 AM | 0.29 | 217 | 402 | 3 |
| 8/10/12 | 6:31:45 AM | 0.29 | 218 | 402 | 3 |
| 8/10/12 | 6:32:45 AM | 0.28 | 218 | 402 | 3 |
| 8/10/12 | 6:33:45 AM | 0.28 | 218 | 402 | 3 |
| 8/10/12 | 6:34:45 AM | 0.28 | 217 | 401 | 3 |
| 8/10/12 | 6:35:45 AM | 0.28 | 217 | 402 | 3 |
| 8/10/12 | 6:36:45 AM | 0.28 | 218 | 402 | 3 |
| 8/10/12 | 6:37:45 AM | 0.29 | 218 | 402 | 3 |
| 8/10/12 | 6:38:45 AM | 0.28 | 217 | 403 | 3 |
| 8/10/12 | 6:39:45 AM | 0.28 | 218 | 399 | 3 |
| 8/10/12 | 6:40:45 AM | 0.29 | 218 | 400 | 3 |
| 8/10/12 | 6:41:45 AM | 0.28 | 218 | 399 | 3 |
| 8/10/12 | 6:42:45 AM | 0.28 | 218 | 399 | 3 |
| 8/10/12 | 6:43:45 AM | 0.28 | 219 | 399 | 3 |
| 8/10/12 | 6:44:45 AM | 0.29 | 220 | 399 | 3 |
| 8/10/12 | 6:45:45 AM | 0.28 | 220 | 400 | 3 |
| 8/10/12 | 6:46:45 AM | 0.28 | 220 | 401 | 3 |
| 8/10/12 | 6:47:45 AM | 0.28 | 221 | 401 | 3 |
| 8/10/12 | 6:48:45 AM | 0.28 | 222 | 402 | 3 |
| 8/10/12 | 6:49:45 AM | 0.28 | 222 | 402 | 3 |
| 8/10/12 | 6:50:45 AM | 0.28 | 221 | 404 | 3 |
| 8/10/12 | 6:51:45 AM | 0.28 | 221 | 405 | 3 |
| 8/10/12 | 6:52:45 AM | 0.28 | 221 | 405 | 3 |
| 8/10/12 | 6:53:45 AM | 0.28 | 221 | 406 | 3 |
| 8/10/12 | 6:54:45 AM | 0.28 | 222 | 406 | 3 |
| 8/10/12 | 6:55:45 AM | 0.29 | 221 | 407 | 3 |
| 8/10/12 | 6:56:45 AM | 0.28 | 221 | 408 | 3 |
| 8/10/12 | 6:57:45 AM | 0.28 | 223 | 409 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 6:58:45 AM | 0.28 | 223 | 410 | 3 |
| 8/10/12 | 6:59:45 AM | 0.28 | 223 | 411 | 3 |
| 8/10/12 | 7:00:45 AM | 0.28 | 223 | 413 | 3 |
| 8/10/12 | 7:01:45 AM | 0.28 | 223 | 413 | 2 |
| 8/10/12 | 7:02:45 AM | 0.28 | 221 | 414 | 2 |
| 8/10/12 | 7:03:45 AM | 0.28 | 221 | 413 | 2 |
| 8/10/12 | 7:04:45 AM | 0.28 | 222 | 413 | 2 |
| 8/10/12 | 7:05:45 AM | 0.28 | 223 | 413 | 2 |
| 8/10/12 | 7:06:45 AM | 0.28 | 223 | 412 | 2 |
| 8/10/12 | 7:07:45 AM | 0.28 | 223 | 413 | 3 |
| 8/10/12 | 7:08:45 AM | 0.28 | 223 | 413 | 3 |
| 8/10/12 | 7:09:45 AM | 0.28 | 223 | 412 | 3 |
| 8/10/12 | 7:10:45 AM | 0.28 | 222 | 413 | 3 |
| 8/10/12 | 7:11:45 AM | 0.28 | 221 | 412 | 3 |
| 8/10/12 | 7:12:45 AM | 0.28 | 222 | 412 | 3 |
| 8/10/12 | 7:13:45 AM | 0.28 | 221 | 412 | 3 |
| 8/10/12 | 7:14:45 AM | 0.28 | 222 | 412 | 3 |
| 8/10/12 | 7:15:45 AM | 0.28 | 220 | 412 | 3 |
| 8/10/12 | 7:16:45 AM | 0.28 | 220 | 411 | 3 |
| 8/10/12 | 7:17:45 AM | 0.28 | 219 | 411 | 3 |
| 8/10/12 | 7:18:45 AM | 0.28 | 219 | 411 | 3 |
| 8/10/12 | 7:19:45 AM | 0.28 | 218 | 409 | 3 |
| 8/10/12 | 7:20:45 AM | 0.29 | 218 | 407 | 3 |
| 8/10/12 | 7:21:45 AM | 0.28 | 219 | 408 | 3 |
| 8/10/12 | 7:22:45 AM | 0.28 | 220 | 408 | 3 |
| 8/10/12 | 7:23:45 AM | 0.28 | 221 | 408 | 3 |
| 8/10/12 | 7:24:45 AM | 0.28 | 222 | 409 | 3 |
| 8/10/12 | 7:25:45 AM | 0.28 | 223 | 410 | 3 |
| 8/10/12 | 7:26:45 AM | 0.28 | 222 | 411 | 3 |
| 8/10/12 | 7:27:45 AM | 0.28 | 220 | 410 | 3 |
| 8/10/12 | 7:28:45 AM | 0.28 | 220 | 409 | 3 |
| 8/10/12 | 7:29:45 AM | 0.28 | 221 | 409 | 3 |
| 8/10/12 | 7:30:45 AM | 0.28 | 221 | 408 | 3 |
| 8/10/12 | 7:31:45 AM | 0.28 | 222 | 408 | 3 |
| 8/10/12 | 7:32:45 AM | 0.28 | 223 | 410 | 3 |
| 8/10/12 | 7:33:45 AM | 0.28 | 222 | 410 | 3 |
| 8/10/12 | 7:34:45 AM | 0.28 | 222 | 411 | 3 |
| 8/10/12 | 7:35:45 AM | 0.28 | 223 | 412 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 7:36:45 AM | 0.28 | 223 | 411 | 3 |
| 8/10/12 | 7:37:45 AM | 0.28 | 223 | 411 | 2 |
| 8/10/12 | 7:38:45 AM | 0.28 | 224 | 413 | 2 |
| 8/10/12 | 7:39:45 AM | 0.28 | 224 | 415 | 2 |
| 8/10/12 | 7:40:45 AM | 0.28 | 224 | 417 | 2 |
| 8/10/12 | 7:41:45 AM | 0.28 | 224 | 418 | 2 |
| 8/10/12 | 7:42:45 AM | 0.28 | 223 | 418 | 2 |
| 8/10/12 | 7:43:45 AM | 0.28 | 222 | 418 | 2 |
| 8/10/12 | 7:44:45 AM | 0.28 | 221 | 417 | 2 |
| 8/10/12 | 7:45:45 AM | 0.28 | 221 | 419 | 2 |
| 8/10/12 | 7:46:45 AM | 0.28 | 222 | 420 | 2 |
| 8/10/12 | 7:47:45 AM | 0.28 | 223 | 421 | 2 |
| 8/10/12 | 7:48:45 AM | 0.28 | 223 | 422 | 2 |
| 8/10/12 | 7:49:45 AM | 0.28 | 223 | 423 | 2 |
| 8/10/12 | 7:50:45 AM | 0.28 | 223 | 421 | 2 |
| 8/10/12 | 7:51:45 AM | 0.28 | 223 | 422 | 2 |
| 8/10/12 | 7:52:45 AM | 0.28 | 223 | 422 | 2 |
| 8/10/12 | 7:53:45 AM | 0.28 | 223 | 422 | 2 |
| 8/10/12 | 7:54:45 AM | 0.28 | 224 | 421 | 2 |
| 8/10/12 | 7:55:45 AM | 0.28 | 224 | 421 | 3 |
| 8/10/12 | 7:56:45 AM | 0.28 | 224 | 421 | 3 |
| 8/10/12 | 7:57:45 AM | 0.29 | 224 | 422 | 3 |
| 8/10/12 | 7:58:45 AM | 0.28 | 223 | 421 | 3 |
| 8/10/12 | 7:59:45 AM | 0.28 | 222 | 421 | 3 |
| 8/10/12 | 8:00:45 AM | 0.28 | 221 | 420 | 3 |
| 8/10/12 | 8:01:45 AM | 0.28 | 220 | 419 | 3 |
| 8/10/12 | 8:02:45 AM | 0.28 | 221 | 418 | 3 |
| 8/10/12 | 8:03:45 AM | 0.28 | 221 | 418 | 3 |
| 8/10/12 | 8:04:45 AM | 0.28 | 222 | 419 | 3 |
| 8/10/12 | 8:05:45 AM | 0.28 | 223 | 417 | 3 |
| 8/10/12 | 8:06:45 AM | 0.28 | 223 | 417 | 3 |
| 8/10/12 | 8:07:45 AM | 0.28 | 224 | 417 | 3 |
| 8/10/12 | 8:08:45 AM | 0.28 | 223 | 417 | 3 |
| 8/10/12 | 8:09:45 AM | 0.28 | 223 | 417 | 3 |
| 8/10/12 | 8:10:45 AM | 0.28 | 223 | 416 | 3 |
| 8/10/12 | 8:11:45 AM | 0.28 | 223 | 415 | 3 |
| 8/10/12 | 8:12:45 AM | 0.28 | 223 | 415 | 3 |
| 8/10/12 | 8:13:45 AM | 0.28 | 223 | 414 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 8:14:45 AM | 0.28 | 222 | 414 | 3 |
| 8/10/12 | 8:15:45 AM | 0.28 | 222 | 413 | 3 |
| 8/10/12 | 8:16:45 AM | 0.28 | 222 | 413 | 3 |
| 8/10/12 | 8:17:45 AM | 0.28 | 223 | 413 | 3 |
| 8/10/12 | 8:18:45 AM | 0.28 | 224 | 415 | 3 |
| 8/10/12 | 8:19:45 AM | 0.28 | 225 | 415 | 3 |
| 8/10/12 | 8:20:45 AM | 0.28 | 225 | 416 | 3 |
| 8/10/12 | 8:21:45 AM | 0.28 | 224 | 417 | 3 |
| 8/10/12 | 8:22:45 AM | 0.28 | 224 | 417 | 3 |
| 8/10/12 | 8:23:45 AM | 0.28 | 224 | 416 | 3 |
| 8/10/12 | 8:24:45 AM | 0.28 | 223 | 416 | 3 |
| 8/10/12 | 8:25:45 AM | 0.28 | 222 | 416 | 3 |
| 8/10/12 | 8:26:45 AM | 0.28 | 222 | 414 | 3 |
| 8/10/12 | 8:27:45 AM | 0.28 | 222 | 414 | 3 |
| 8/10/12 | 8:28:45 AM | 0.28 | 223 | 413 | 3 |
| 8/10/12 | 8:29:45 AM | 0.28 | 223 | 417 | 3 |
| 8/10/12 | 8:30:45 AM | 0.28 | 224 | 418 | 3 |
| 8/10/12 | 8:31:45 AM | 0.28 | 225 | 418 | 2 |
| 8/10/12 | 8:32:45 AM | 0.28 | 224 | 418 | 2 |
| 8/10/12 | 8:33:45 AM | 0.29 | 222 | 418 | 2 |
| 8/10/12 | 8:34:45 AM | 0.28 | 222 | 417 | 2 |
| 8/10/12 | 8:35:45 AM | 0.28 | 222 | 417 | 2 |
| 8/10/12 | 8:36:45 AM | 0.28 | 220 | 418 | 2 |
| 8/10/12 | 8:37:45 AM | 0.28 | 218 | 418 | 2 |
| 8/10/12 | 8:38:45 AM | 0.28 | 217 | 417 | 2 |
| 8/10/12 | 8:39:45 AM | 0.28 | 218 | 416 | 2 |
| 8/10/12 | 8:40:45 AM | 0.28 | 218 | 417 | 2 |
| 8/10/12 | 8:41:45 AM | 0.28 | 219 | 416 | 2 |
| 8/10/12 | 8:42:45 AM | 0.28 | 219 | 417 | 2 |
| 8/10/12 | 8:43:45 AM | 0.28 | 219 | 417 | 2 |
| 8/10/12 | 8:44:45 AM | 0.28 | 220 | 417 | 2 |
| 8/10/12 | 8:45:45 AM | 0.28 | 219 | 417 | 2 |
| 8/10/12 | 8:46:45 AM | 0.28 | 220 | 417 | 2 |
| 8/10/12 | 8:47:45 AM | 0.28 | 222 | 417 | 2 |
| 8/10/12 | 8:48:45 AM | 0.28 | 222 | 418 | 2 |
| 8/10/12 | 8:49:45 AM | 0.28 | 224 | 418 | 2 |
| 8/10/12 | 8:50:45 AM | 0.28 | 225 | 419 | 2 |
| 8/10/12 | 8:51:45 AM | 0.28 | 225 | 421 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 8:52:45 AM | 0.28 | 225 | 420 | 2 |
| 8/10/12 | 8:53:45 AM | 0.28 | 226 | 421 | 2 |
| 8/10/12 | 8:54:45 AM | 0.28 | 226 | 421 | 2 |
| 8/10/12 | 8:55:45 AM | 0.28 | 226 | 422 | 2 |
| 8/10/12 | 8:56:45 AM | 0.28 | 225 | 421 | 2 |
| 8/10/12 | 8:57:45 AM | 0.28 | 225 | 422 | 2 |
| 8/10/12 | 8:58:45 AM | 0.28 | 224 | 421 | 2 |
| 8/10/12 | 8:59:45 AM | 0.28 | 223 | 422 | 2 |
| 8/10/12 | 9:00:45 AM | 0.28 | 224 | 422 | 2 |
| 8/10/12 | 9:01:45 AM | 0.28 | 224 | 422 | 2 |
| 8/10/12 | 9:02:45 AM | 0.28 | 224 | 421 | 2 |
| 8/10/12 | 9:03:45 AM | 0.28 | 224 | 421 | 2 |
| 8/10/12 | 9:04:45 AM | 0.28 | 224 | 421 | 2 |
| 8/10/12 | 9:05:45 AM | 0.28 | 224 | 422 | 2 |
| 8/10/12 | 9:06:45 AM | 0.28 | 223 | 423 | 2 |
| 8/10/12 | 9:07:45 AM | 0.28 | 224 | 422 | 2 |
| 8/10/12 | 9:08:45 AM | 0.28 | 225 | 422 | 2 |
| 8/10/12 | 9:09:45 AM | 0.28 | 225 | 423 | 2 |
| 8/10/12 | 9:10:45 AM | 0.28 | 226 | 423 | 2 |
| 8/10/12 | 9:11:45 AM | 0.28 | 225 | 423 | 2 |
| 8/10/12 | 9:12:45 AM | 0.28 | 224 | 423 | 2 |
| 8/10/12 | 9:13:45 AM | 0.28 | 224 | 422 | 2 |
| 8/10/12 | 9:14:45 AM | 0.28 | 225 | 422 | 2 |
| 8/10/12 | 9:15:45 AM | 0.27 | 224 | 422 | 2 |
| 8/10/12 | 9:16:45 AM | 0.28 | 225 | 423 | 2 |
| 8/10/12 | 9:17:45 AM | 0.28 | 226 | 422 | 2 |
| 8/10/12 | 9:18:45 AM | 0.28 | 226 | 422 | 2 |
| 8/10/12 | 9:19:45 AM | 0.28 | 226 | 422 | 2 |
| 8/10/12 | 9:20:45 AM | 0.28 | 226 | 423 | 2 |
| 8/10/12 | 9:21:45 AM | 0.28 | 225 | 423 | 2 |
| 8/10/12 | 9:22:45 AM | 0.28 | 225 | 423 | 2 |
| 8/10/12 | 9:23:45 AM | 0.28 | 226 | 422 | 2 |
| 8/10/12 | 9:24:45 AM | 0.28 | 226 | 422 | 2 |
| 8/10/12 | 9:25:45 AM | 0.28 | 226 | 423 | 2 |
| 8/10/12 | 9:26:45 AM | 0.28 | 226 | 423 | 2 |
| 8/10/12 | 9:27:45 AM | 0.28 | 225 | 424 | 2 |
| 8/10/12 | 9:28:45 AM | 0.28 | 223 | 424 | 2 |
| 8/10/12 | 9:29:45 AM | 0.28 | 223 | 423 | 2 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 9:30:45 AM | 0.28 | 223 | 422 | 2 |
| 8/10/12 | 9:31:45 AM | 0.28 | 223 | 422 | 2 |
| 8/10/12 | 9:32:45 AM | Start Calibration | | | |
| 8/10/12 | 9:33:45 AM | | | | |
| 8/10/12 | 9:34:45 AM | | | | |
| 8/10/12 | 9:35:45 AM | | | | |
| 8/10/12 | 9:36:45 AM | | | | |
| 8/10/12 | 9:37:45 AM | | | | |
| 8/10/12 | 9:38:45 AM | | | | |
| 8/10/12 | 9:39:45 AM | | | | |
| 8/10/12 | 9:40:45 AM | | | | |
| 8/10/12 | 9:41:45 AM | | | | |
| 8/10/12 | 9:42:45 AM | | | | |
| 8/10/12 | 9:43:45 AM | | | | |
| 8/10/12 | 9:44:45 AM | | | | |
| 8/10/12 | 9:45:45 AM | | | | |
| 8/10/12 | 9:46:45 AM | | | | |
| 8/10/12 | 9:47:45 AM | | | | |
| 8/10/12 | 9:48:45 AM | | | | |
| 8/10/12 | 9:49:45 AM | | | | |
| 8/10/12 | 9:50:45 AM | | | | |
| 8/10/12 | 9:51:45 AM | | | | |
| 8/10/12 | 9:52:45 AM | | | | |
| 8/10/12 | 9:53:45 AM | | | | |
| 8/10/12 | 9:54:45 AM | | | | |
| 8/10/12 | 9:55:45 AM | | | | |
| 8/10/12 | 9:56:45 AM | | | | |
| 8/10/12 | 9:57:45 AM | | | | |
| 8/10/12 | 9:58:45 AM | | | | |
| 8/10/12 | 9:59:45 AM | | | | |
| 8/10/12 | 10:00:45 AM | | | | |
| 8/10/12 | 10:01:45 AM | | | | |
| 8/10/12 | 10:02:45 AM | | | | |
| 8/10/12 | 10:03:45 AM | | | | |
| 8/10/12 | 10:04:45 AM | | | | |
| 8/10/12 | 10:05:45 AM | | | | |
| 8/10/12 | 10:06:45 AM | | | | |
| 8/10/12 | 10:07:45 AM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 10:08:45 AM | | | | |
| 8/10/12 | 10:09:45 AM | | | | |
| 8/10/12 | 10:10:45 AM | | | | |
| 8/10/12 | 10:11:45 AM | | | | |
| 8/10/12 | 10:12:45 AM | | | | |
| 8/10/12 | 10:13:45 AM | | | | |
| 8/10/12 | 10:14:45 AM | | | | |
| 8/10/12 | 10:15:45 AM | | | | |
| 8/10/12 | 10:16:45 AM | | | | |
| 8/10/12 | 10:17:45 AM | | | | |
| 8/10/12 | 10:18:45 AM | | | | |
| 8/10/12 | 10:19:45 AM | | | | |
| 8/10/12 | 10:20:45 AM | | | | |
| 8/10/12 | 10:21:45 AM | | | | |
| 8/10/12 | 10:22:45 AM | End Calibration | | | |
| 8/10/12 | 10:23:45 AM | 0.28 | 225 | 450 | 0 |
| 8/10/12 | 10:24:45 AM | 0.28 | 225 | 470 | 0 |
| 8/10/12 | 10:25:45 AM | 0.28 | 225 | 476 | 0 |
| 8/10/12 | 10:26:45 AM | 0.28 | 226 | 474 | 0 |
| 8/10/12 | 10:27:45 AM | 0.28 | 227 | 465 | 0 |
| 8/10/12 | 10:28:45 AM | 0.28 | 226 | 457 | 0 |
| 8/10/12 | 10:29:45 AM | 0.28 | 226 | 448 | 0 |
| 8/10/12 | 10:30:45 AM | 0.28 | 225 | 438 | 0 |
| 8/10/12 | 10:31:45 AM | 0.28 | 224 | 429 | 0 |
| 8/10/12 | 10:32:45 AM | 0.28 | 223 | 420 | 0 |
| 8/10/12 | 10:33:45 AM | 0.28 | 221 | 414 | 0 |
| 8/10/12 | 10:34:45 AM | 0.28 | 221 | 406 | 0 |
| 8/10/12 | 10:35:45 AM | 0.28 | 222 | 402 | 0 |
| 8/10/12 | 10:36:45 AM | 0.28 | 223 | 398 | 0 |
| 8/10/12 | 10:37:45 AM | 0.28 | 224 | 393 | 0 |
| 8/10/12 | 10:38:45 AM | 0.28 | 224 | 391 | 0 |
| 8/10/12 | 10:39:45 AM | 0.28 | 224 | 388 | 0 |
| 8/10/12 | 10:40:45 AM | 0.28 | 224 | 383 | 0 |
| 8/10/12 | 10:41:45 AM | 0.28 | 224 | 381 | 0 |
| 8/10/12 | 10:42:45 AM | 0.28 | 224 | 381 | 0 |
| 8/10/12 | 10:43:45 AM | 0.28 | 223 | 380 | 1 |
| 8/10/12 | 10:44:45 AM | 0.28 | 223 | 377 | 1 |
| 8/10/12 | 10:45:45 AM | 0.28 | 223 | 377 | 1 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 10:46:45 AM | 0.28 | 223 | 376 | 1 |
| 8/10/12 | 10:47:45 AM | 0.28 | 222 | 374 | 1 |
| 8/10/12 | 10:48:45 AM | 0.28 | 223 | 372 | 1 |
| 8/10/12 | 10:49:45 AM | 0.28 | 223 | 372 | 1 |
| 8/10/12 | 10:50:45 AM | 0.28 | 223 | 370 | 1 |
| 8/10/12 | 10:51:45 AM | 0.28 | 223 | 369 | 1 |
| 8/10/12 | 10:52:45 AM | 0.28 | 223 | 370 | 1 |
| 8/10/12 | 10:53:45 AM | 0.28 | 223 | 369 | 1 |
| 8/10/12 | 10:54:45 AM | 0.28 | 222 | 368 | 1 |
| 8/10/12 | 10:55:45 AM | 0.28 | 222 | 368 | 1 |
| 8/10/12 | 10:56:45 AM | 0.28 | 221 | 368 | 1 |
| 8/10/12 | 10:57:45 AM | 0.28 | 220 | 367 | 1 |
| 8/10/12 | 10:58:45 AM | 0.29 | 220 | 367 | 1 |
| 8/10/12 | 10:59:45 AM | 0.28 | 220 | 368 | 1 |
| 8/10/12 | 11:00:45 AM | 0.28 | 219 | 367 | 1 |
| 8/10/12 | 11:01:45 AM | 0.28 | 219 | 368 | 1 |
| 8/10/12 | 11:02:45 AM | 0.28 | 220 | 371 | 1 |
| 8/10/12 | 11:03:45 AM | 0.28 | 220 | 405 | 1 |
| 8/10/12 | 11:04:45 AM | 0.28 | 220 | 424 | 0 |
| 8/10/12 | 11:05:45 AM | 0.28 | 220 | 422 | 0 |
| 8/10/12 | 11:06:45 AM | 0.28 | 220 | 418 | 0 |
| 8/10/12 | 11:07:45 AM | 0.28 | 220 | 413 | 0 |
| 8/10/12 | 11:08:45 AM | 0.28 | 222 | 408 | 0 |
| 8/10/12 | 11:09:45 AM | 0.28 | 223 | 404 | 0 |
| 8/10/12 | 11:10:45 AM | 0.28 | 224 | 401 | 0 |
| 8/10/12 | 11:11:45 AM | 0.27 | 224 | 400 | 0 |
| 8/10/12 | 11:12:45 AM | 0.28 | 224 | 397 | 0 |
| 8/10/12 | 11:13:45 AM | 0.27 | 223 | 387 | 0 |
| 8/10/12 | 11:14:45 AM | OFF LINE DUE TO SAMPLE LINE HEATER FAILURE | | | |
| 8/10/12 | 11:15:45 AM | | | | |
| 8/10/12 | 11:16:45 AM | | | | |
| 8/10/12 | 11:17:45 AM | | | | |
| 8/10/12 | 11:18:45 AM | | | | |
| 8/10/12 | 11:19:45 AM | | | | |
| 8/10/12 | 11:20:45 AM | | | | |
| 8/10/12 | 11:21:45 AM | | | | |
| 8/10/12 | 11:22:45 AM | | | | |
| 8/10/12 | 11:23:45 AM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/10/12 11:24:45 AM | | | | |
| 8/10/12 11:25:45 AM | | | | |
| 8/10/12 11:26:45 AM | | | | |
| 8/10/12 11:27:45 AM | | | | |
| 8/10/12 11:28:45 AM | | | | |
| 8/10/12 11:29:45 AM | | | | |
| 8/10/12 11:30:45 AM | | | | |
| 8/10/12 11:31:45 AM | | | | |
| 8/10/12 11:32:45 AM | | | | |
| 8/10/12 11:33:45 AM | | | | |
| 8/10/12 11:34:45 AM | | | | |
| 8/10/12 11:35:45 AM | | | | |
| 8/10/12 11:36:45 AM | | | | |
| 8/10/12 11:37:45 AM | | | | |
| 8/10/12 11:38:45 AM | | | | |
| 8/10/12 11:39:45 AM | | | | |
| 8/10/12 11:40:45 AM | | | | |
| 8/10/12 11:41:45 AM | | | | |
| 8/10/12 11:42:45 AM | | | | |
| 8/10/12 11:43:45 AM | | | | |
| 8/10/12 11:44:45 AM | | | | |
| 8/10/12 11:45:45 AM | | | | |
| 8/10/12 11:46:45 AM | | | | |
| 8/10/12 11:47:45 AM | | | | |
| 8/10/12 11:48:45 AM | | | | |
| 8/10/12 11:49:45 AM | | | | |
| 8/10/12 11:50:45 AM | | | | |
| 8/10/12 11:51:45 AM | | | | |
| 8/10/12 11:52:45 AM | | | | |
| 8/10/12 11:53:45 AM | | | | |
| 8/10/12 11:54:45 AM | | | | |
| 8/10/12 11:55:45 AM | | | | |
| 8/10/12 11:56:45 AM | | | | |
| 8/10/12 11:57:45 AM | | | | |
| 8/10/12 11:58:45 AM | | | | |
| 8/10/12 11:59:45 AM | | | | |
| 8/10/12 12:00:45 PM | | | | |
| 8/10/12 12:01:45 PM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/10/12 12:02:45 PM | | | | |
| 8/10/12 12:03:45 PM | | | | |
| 8/10/12 12:04:45 PM | | | | |
| 8/10/12 12:05:45 PM | | | | |
| 8/10/12 12:06:45 PM | | | | |
| 8/10/12 12:07:45 PM | | | | |
| 8/10/12 12:08:45 PM | | | | |
| 8/10/12 12:09:45 PM | | | | |
| 8/10/12 12:10:45 PM | | | | |
| 8/10/12 12:11:45 PM | | | | |
| 8/10/12 12:12:45 PM | | | | |
| 8/10/12 12:13:45 PM | | | | |
| 8/10/12 12:14:45 PM | | | | |
| 8/10/12 12:15:45 PM | | | | |
| 8/10/12 12:16:45 PM | | | | |
| 8/10/12 12:17:45 PM | | | | |
| 8/10/12 12:18:45 PM | | | | |
| 8/10/12 12:19:45 PM | | | | |
| 8/10/12 12:20:45 PM | | | | |
| 8/10/12 12:21:45 PM | | | | |
| 8/10/12 12:22:45 PM | | | | |
| 8/10/12 12:23:45 PM | | | | |
| 8/10/12 12:24:45 PM | | | | |
| 8/10/12 12:25:45 PM | | | | |
| 8/10/12 12:26:45 PM | | | | |
| 8/10/12 12:27:45 PM | | | | |
| 8/10/12 12:28:45 PM | | | | |
| 8/10/12 12:29:45 PM | | | | |
| 8/10/12 12:30:45 PM | | | | |
| 8/10/12 12:31:45 PM | | | | |
| 8/10/12 12:32:45 PM | | | | |
| 8/10/12 12:33:45 PM | | | | |
| 8/10/12 12:34:45 PM | | | | |
| 8/10/12 12:35:45 PM | | | | |
| 8/10/12 12:36:45 PM | | | | |
| 8/10/12 12:37:45 PM | | | | |
| 8/10/12 12:38:45 PM | | | | |
| 8/10/12 12:39:45 PM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/10/12 12:40:45 PM | | | | |
| 8/10/12 12:41:45 PM | | | | |
| 8/10/12 12:42:45 PM | | | | |
| 8/10/12 12:43:45 PM | | | | |
| 8/10/12 12:44:45 PM | | | | |
| 8/10/12 12:45:45 PM | | | | |
| 8/10/12 12:46:45 PM | | | | |
| 8/10/12 12:47:45 PM | | | | |
| 8/10/12 12:48:45 PM | | | | |
| 8/10/12 12:49:45 PM | | | | |
| 8/10/12 12:50:45 PM | | | | |
| 8/10/12 12:51:45 PM | | | | |
| 8/10/12 12:52:45 PM | | | | |
| 8/10/12 12:53:45 PM | | | | |
| 8/10/12 12:54:45 PM | | | | |
| 8/10/12 12:55:45 PM | | | | |
| 8/10/12 12:56:45 PM | | | | |
| 8/10/12 12:57:45 PM | | | | |
| 8/10/12 12:58:45 PM | | | | |
| 8/10/12 12:59:45 PM | | | | |
| 8/10/12 1:00:45 PM | | | | |
| 8/10/12 1:01:45 PM | | | | |
| 8/10/12 1:02:45 PM | | | | |
| 8/10/12 1:03:45 PM | | | | |
| 8/10/12 1:04:45 PM | | | | |
| 8/10/12 1:05:45 PM | | | | |
| 8/10/12 1:06:45 PM | | | | |
| 8/10/12 1:07:45 PM | | | | |
| 8/10/12 1:08:45 PM | | | | |
| 8/10/12 1:09:45 PM | | | | |
| 8/10/12 1:10:45 PM | | | | |
| 8/10/12 1:11:45 PM | | | | |
| 8/10/12 1:12:45 PM | | | | |
| 8/10/12 1:13:45 PM | | | | |
| 8/10/12 1:14:45 PM | | | | |
| 8/10/12 1:15:45 PM | | | | |
| 8/10/12 1:16:45 PM | | | | |
| 8/10/12 1:17:45 PM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/10/12 1:18:45 PM | | | | |
| 8/10/12 1:19:45 PM | | | | |
| 8/10/12 1:20:45 PM | | | | |
| 8/10/12 1:21:45 PM | | | | |
| 8/10/12 1:22:45 PM | | | | |
| 8/10/12 1:23:45 PM | | | | |
| 8/10/12 1:24:45 PM | | | | |
| 8/10/12 1:25:45 PM | | | | |
| 8/10/12 1:26:45 PM | | | | |
| 8/10/12 1:27:45 PM | | | | |
| 8/10/12 1:28:45 PM | | | | |
| 8/10/12 1:29:45 PM | | | | |
| 8/10/12 1:30:45 PM | | | | |
| 8/10/12 1:31:45 PM | | | | |
| 8/10/12 1:32:45 PM | | | | |
| 8/10/12 1:33:45 PM | | | | |
| 8/10/12 1:34:45 PM | | | | |
| 8/10/12 1:35:45 PM | | | | |
| 8/10/12 1:36:45 PM | | | | |
| 8/10/12 1:37:45 PM | | | | |
| 8/10/12 1:38:45 PM | | | | |
| 8/10/12 1:39:45 PM | | | | |
| 8/10/12 1:40:45 PM | | | | |
| 8/10/12 1:41:45 PM | | | | |
| 8/10/12 1:42:45 PM | | | | |
| 8/10/12 1:43:45 PM | | | | |
| 8/10/12 1:44:45 PM | | | | |
| 8/10/12 1:45:45 PM | | | | |
| 8/10/12 1:46:45 PM | | | | |
| 8/10/12 1:47:45 PM | | | | |
| 8/10/12 1:48:45 PM | | | | |
| 8/10/12 1:49:45 PM | | | | |
| 8/10/12 1:50:45 PM | | | | |
| 8/10/12 1:51:45 PM | | | | |
| 8/10/12 1:52:45 PM | | | | |
| 8/10/12 1:53:45 PM | | | | |
| 8/10/12 1:54:45 PM | | | | |
| 8/10/12 1:55:45 PM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/10/12 1:56:45 PM | | | | |
| 8/10/12 1:57:45 PM | | | | |
| 8/10/12 1:58:45 PM | | | | |
| 8/10/12 1:59:45 PM | | | | |
| 8/10/12 2:00:45 PM | | | | |
| 8/10/12 2:01:45 PM | | | | |
| 8/10/12 2:02:45 PM | | | | |
| 8/10/12 2:03:45 PM | | | | |
| 8/10/12 2:04:45 PM | | | | |
| 8/10/12 2:05:45 PM | | | | |
| 8/10/12 2:06:45 PM | | | | |
| 8/10/12 2:07:45 PM | | | | |
| 8/10/12 2:08:45 PM | | | | |
| 8/10/12 2:09:45 PM | | | | |
| 8/10/12 2:10:45 PM | | | | |
| 8/10/12 2:11:45 PM | | | | |
| 8/10/12 2:12:45 PM | | | | |
| 8/10/12 2:13:45 PM | | | | |
| 8/10/12 2:14:45 PM | | | | |
| 8/10/12 2:15:45 PM | | | | |
| 8/10/12 2:16:45 PM | | | | |
| 8/10/12 2:17:45 PM | | | | |
| 8/10/12 2:18:45 PM | | | | |
| 8/10/12 2:19:45 PM | | | | |
| 8/10/12 2:20:45 PM | | | | |
| 8/10/12 2:21:45 PM | | | | |
| 8/10/12 2:22:45 PM | | | | |
| 8/10/12 2:23:45 PM | | | | |
| 8/10/12 2:24:45 PM | | | | |
| 8/10/12 2:25:45 PM | | | | |
| 8/10/12 2:26:45 PM | | | | |
| 8/10/12 2:27:45 PM | | | | |
| 8/10/12 2:28:45 PM | | | | |
| 8/10/12 2:29:45 PM | | | | |
| 8/10/12 2:30:45 PM | | | | |
| 8/10/12 2:31:45 PM | | | | |
| 8/10/12 2:32:45 PM | | | | |
| 8/10/12 2:33:45 PM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/10/12 2:34:45 PM | | | | |
| 8/10/12 2:35:45 PM | | | | |
| 8/10/12 2:36:45 PM | | | | |
| 8/10/12 2:37:45 PM | | | | |
| 8/10/12 2:38:45 PM | | | | |
| 8/10/12 2:39:45 PM | | | | |
| 8/10/12 2:40:45 PM | | | | |
| 8/10/12 2:41:45 PM | | | | |
| 8/10/12 2:42:45 PM | | | | |
| 8/10/12 2:43:45 PM | | | | |
| 8/10/12 2:44:45 PM | | | | |
| 8/10/12 2:45:45 PM | | | | |
| 8/10/12 2:46:45 PM | | | | |
| 8/10/12 2:47:45 PM | | | | |
| 8/10/12 2:48:45 PM | | | | |
| 8/10/12 2:49:45 PM | | | | |
| 8/10/12 2:50:45 PM | | | | |
| 8/10/12 2:51:45 PM | | | | |
| 8/10/12 2:52:45 PM | | | | |
| 8/10/12 2:53:45 PM | | | | |
| 8/10/12 2:54:45 PM | | | | |
| 8/10/12 2:55:45 PM | | | | |
| 8/10/12 2:56:45 PM | | | | |
| 8/10/12 2:57:45 PM | | | | |
| 8/10/12 2:58:45 PM | | | | |
| 8/10/12 2:59:45 PM | | | | |
| 8/10/12 3:00:45 PM | | | | |
| 8/10/12 3:01:45 PM | | | | |
| 8/10/12 3:02:45 PM | | | | |
| 8/10/12 3:03:45 PM | | | | |
| 8/10/12 3:04:45 PM | | | | |
| 8/10/12 3:05:45 PM | | | | |
| 8/10/12 3:06:45 PM | | | | |
| 8/10/12 3:07:45 PM | | | | |
| 8/10/12 3:08:45 PM | | | | |
| 8/10/12 3:09:45 PM | | | | |
| 8/10/12 3:10:45 PM | | | | |
| 8/10/12 3:11:45 PM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/10/12 3:12:45 PM | | | | |
| 8/10/12 3:13:45 PM | | | | |
| 8/10/12 3:14:45 PM | | | | |
| 8/10/12 3:15:45 PM | | | | |
| 8/10/12 3:16:45 PM | | | | |
| 8/10/12 3:17:45 PM | | | | |
| 8/10/12 3:18:45 PM | | | | |
| 8/10/12 3:19:45 PM | | | | |
| 8/10/12 3:20:45 PM | | | | |
| 8/10/12 3:21:45 PM | | | | |
| 8/10/12 3:22:45 PM | | | | |
| 8/10/12 3:23:45 PM | | | | |
| 8/10/12 3:24:45 PM | | | | |
| 8/10/12 3:25:45 PM | | | | |
| 8/10/12 3:26:45 PM | | | | |
| 8/10/12 3:27:45 PM | | | | |
| 8/10/12 3:28:45 PM | | | | |
| 8/10/12 3:29:45 PM | | | | |
| 8/10/12 3:30:45 PM | | | | |
| 8/10/12 3:31:45 PM | | | | |
| 8/10/12 3:32:45 PM | | | | |
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| 8/10/12 3:37:45 PM | | | | |
| 8/10/12 3:38:45 PM | | | | |
| 8/10/12 3:39:45 PM | | | | |
| 8/10/12 3:40:45 PM | | | | |
| 8/10/12 3:41:45 PM | | | | |
| 8/10/12 3:42:45 PM | | | | |
| 8/10/12 3:43:45 PM | | | | |
| 8/10/12 3:44:45 PM | | | | |
| 8/10/12 3:45:45 PM | | | | |
| 8/10/12 3:46:45 PM | | | | |
| 8/10/12 3:47:45 PM | | | | |
| 8/10/12 3:48:45 PM | | | | |
| 8/10/12 3:49:45 PM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/10/12 3:50:45 PM | | | | |
| 8/10/12 3:51:45 PM | | | | |
| 8/10/12 3:52:45 PM | | | | |
| 8/10/12 3:53:45 PM | | | | |
| 8/10/12 3:54:45 PM | | | | |
| 8/10/12 3:55:45 PM | | | | |
| 8/10/12 3:56:45 PM | | | | |
| 8/10/12 3:57:45 PM | | | | |
| 8/10/12 3:58:45 PM | | | | |
| 8/10/12 3:59:45 PM | | | | |
| 8/10/12 4:00:45 PM | | | | |
| 8/10/12 4:01:45 PM | | | | |
| 8/10/12 4:02:45 PM | | | | |
| 8/10/12 4:03:45 PM | | | | |
| 8/10/12 4:04:45 PM | | | | |
| 8/10/12 4:05:45 PM | | | | |
| 8/10/12 4:06:45 PM | | | | |
| 8/10/12 4:07:45 PM | | | | |
| 8/10/12 4:08:45 PM | | | | |
| 8/10/12 4:09:45 PM | | | | |
| 8/10/12 4:10:45 PM | | | | |
| 8/10/12 4:11:45 PM | | | | |
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| 8/10/12 4:14:45 PM | | | | |
| 8/10/12 4:15:45 PM | | | | |
| 8/10/12 4:16:45 PM | | | | |
| 8/10/12 4:17:45 PM | | | | |
| 8/10/12 4:18:45 PM | | | | |
| 8/10/12 4:19:45 PM | | | | |
| 8/10/12 4:20:45 PM | | | | |
| 8/10/12 4:21:45 PM | | | | |
| 8/10/12 4:22:45 PM | | | | |
| 8/10/12 4:23:45 PM | | | | |
| 8/10/12 4:24:45 PM | | | | |
| 8/10/12 4:25:45 PM | | | | |
| 8/10/12 4:26:45 PM | | | | |
| 8/10/12 4:27:45 PM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/10/12 4:28:45 PM | | | | |
| 8/10/12 4:29:45 PM | | | | |
| 8/10/12 4:30:45 PM | | | | |
| 8/10/12 4:31:45 PM | | | | |
| 8/10/12 4:32:45 PM | | | | |
| 8/10/12 4:33:45 PM | | | | |
| 8/10/12 4:34:45 PM | | | | |
| 8/10/12 4:35:45 PM | | | | |
| 8/10/12 4:36:45 PM | | | | |
| 8/10/12 4:37:45 PM | | | | |
| 8/10/12 4:38:45 PM | | | | |
| 8/10/12 4:39:45 PM | | | | |
| 8/10/12 4:40:45 PM | | | | |
| 8/10/12 4:41:45 PM | | | | |
| 8/10/12 4:42:45 PM | | | | |
| 8/10/12 4:43:45 PM | | | | |
| 8/10/12 4:44:45 PM | | | | |
| 8/10/12 4:45:45 PM | | | | |
| 8/10/12 4:46:45 PM | | | | |
| 8/10/12 4:47:45 PM | | | | |
| 8/10/12 4:48:45 PM | | | | |
| 8/10/12 4:49:45 PM | | | | |
| 8/10/12 4:50:45 PM | | | | |
| 8/10/12 4:51:45 PM | | | | |
| 8/10/12 4:52:45 PM | | | | |
| 8/10/12 4:53:45 PM | | | | |
| 8/10/12 4:54:45 PM | | | | |
| 8/10/12 4:55:45 PM | | | | |
| 8/10/12 4:56:45 PM | | | | |
| 8/10/12 4:57:45 PM | | | | |
| 8/10/12 4:58:45 PM | | | | |
| 8/10/12 4:59:45 PM | | | | |
| 8/10/12 5:00:45 PM | | | | |
| 8/10/12 5:01:45 PM | | | | |
| 8/10/12 5:02:45 PM | | | | |
| 8/10/12 5:03:45 PM | | | | |
| 8/10/12 5:04:45 PM | | | | |
| 8/10/12 5:05:45 PM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/10/12 5:06:45 PM | | | | |
| 8/10/12 5:07:45 PM | | | | |
| 8/10/12 5:08:45 PM | | | | |
| 8/10/12 5:09:45 PM | | | | |
| 8/10/12 5:10:45 PM | | | | |
| 8/10/12 5:11:45 PM | | | | |
| 8/10/12 5:12:45 PM | | | | |
| 8/10/12 5:13:45 PM | | | | |
| 8/10/12 5:14:45 PM | | | | |
| 8/10/12 5:15:45 PM | | | | |
| 8/10/12 5:16:45 PM | | | | |
| 8/10/12 5:17:45 PM | | | | |
| 8/10/12 5:18:45 PM | | | | |
| 8/10/12 5:19:45 PM | | | | |
| 8/10/12 5:20:45 PM | | | | |
| 8/10/12 5:21:45 PM | | | | |
| 8/10/12 5:22:45 PM | | | | |
| 8/10/12 5:23:45 PM | | | | |
| 8/10/12 5:24:45 PM | | | | |
| 8/10/12 5:25:45 PM | | | | |
| 8/10/12 5:26:45 PM | | | | |
| 8/10/12 5:27:45 PM | | | | |
| 8/10/12 5:28:45 PM | | | | |
| 8/10/12 5:29:45 PM | | | | |
| 8/10/12 5:30:45 PM | | | | |
| 8/10/12 5:31:45 PM | | | | |
| 8/10/12 5:32:45 PM | | | | |
| 8/10/12 5:33:45 PM | | | | |
| 8/10/12 5:34:45 PM | | | | |
| 8/10/12 5:35:45 PM | | | | |
| 8/10/12 5:36:45 PM | | | | |
| 8/10/12 5:37:45 PM | | | | |
| 8/10/12 5:38:45 PM | | | | |
| 8/10/12 5:39:45 PM | | | | |
| 8/10/12 5:40:45 PM | | | | |
| 8/10/12 5:41:45 PM | | | | |
| 8/10/12 5:42:45 PM | | | | |
| 8/10/12 5:43:45 PM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 5:44:45 PM | | | | |
| 8/10/12 | 5:45:45 PM | | | | |
| 8/10/12 | 5:46:45 PM | | | | |
| 8/10/12 | 5:47:45 PM | | | | |
| 8/10/12 | 5:48:45 PM | | | | |
| 8/10/12 | 5:49:45 PM | | | | |
| 8/10/12 | 5:50:45 PM | | | | |
| 8/10/12 | 5:51:45 PM | | | | |
| 8/10/12 | 5:52:45 PM | | | | |
| 8/10/12 | 5:53:45 PM | | | | |
| 8/10/12 | 5:54:45 PM | | | | |
| 8/10/12 | 5:55:45 PM | RESUME SAMPLING WITH NEW HEATED SAMPLE LINE | | | |
| 8/10/12 | 5:56:45 PM | 0.29 | 212 | 358 | 15 |
| 8/10/12 | 5:57:45 PM | 0.30 | 212 | 366 | 15 |
| 8/10/12 | 5:58:45 PM | 0.29 | 213 | 371 | 15 |
| 8/10/12 | 5:59:45 PM | 0.29 | 213 | 377 | 15 |
| 8/10/12 | 6:00:45 PM | 0.29 | 213 | 380 | 15 |
| 8/10/12 | 6:01:45 PM | 0.30 | 213 | 385 | 15 |
| 8/10/12 | 6:02:45 PM | 0.29 | 213 | 388 | 15 |
| 8/10/12 | 6:03:45 PM | 0.29 | 213 | 390 | 15 |
| 8/10/12 | No data | | | | |
| 8/10/12 | No data | | | | |
| 8/10/12 | No data | | | | |
| 8/10/12 | 6:07:06 PM | 0.29 | 212 | 396 | 15 |
| 8/10/12 | 6:08:06 PM | 0.30 | 212 | 397 | 15 |
| 8/10/12 | 6:09:06 PM | 0.29 | 212 | 400 | 15 |
| 8/10/12 | 6:10:06 PM | 0.29 | 214 | 402 | 15 |
| 8/10/12 | 6:11:06 PM | 0.29 | 213 | 406 | 15 |
| 8/10/12 | 6:12:06 PM | 0.28 | 215 | 407 | 15 |
| 8/10/12 | 6:13:06 PM | 0.29 | 215 | 408 | 15 |
| 8/10/12 | 6:14:06 PM | 0.30 | 214 | 411 | 15 |
| 8/10/12 | 6:15:06 PM | 0.29 | 214 | 410 | 15 |
| 8/10/12 | 6:16:06 PM | 0.29 | 214 | 413 | 15 |
| 8/10/12 | 6:17:06 PM | 0.29 | 214 | 411 | 15 |
| 8/10/12 | 6:18:06 PM | 0.29 | 213 | 412 | 15 |
| 8/10/12 | 6:19:06 PM | 0.29 | 213 | 411 | 16 |
| 8/10/12 | 6:20:06 PM | 0.29 | 213 | 411 | 16 |
| 8/10/12 | 6:21:06 PM | 0.29 | 213 | 412 | 16 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 6:22:06 PM | 0.30 | 212 | 412 | 16 |
| 8/10/12 | 6:23:06 PM | 0.29 | 213 | 412 | 15 |
| 8/10/12 | 6:24:06 PM | 0.29 | 213 | 414 | 15 |
| 8/10/12 | 6:25:06 PM | 0.29 | 213 | 414 | 15 |
| 8/10/12 | 6:26:06 PM | 0.29 | 212 | 414 | 15 |
| 8/10/12 | 6:27:06 PM | 0.30 | 211 | 412 | 15 |
| 8/10/12 | 6:28:06 PM | 0.29 | 210 | 413 | 15 |
| 8/10/12 | 6:29:06 PM | 0.30 | 210 | 412 | 15 |
| 8/10/12 | 6:30:06 PM | 0.30 | 210 | 411 | 15 |
| 8/10/12 | 6:31:06 PM | 0.29 | 210 | 411 | 16 |
| 8/10/12 | 6:32:06 PM | 0.29 | 210 | 410 | 16 |
| 8/10/12 | 6:33:06 PM | 0.29 | 211 | 412 | 16 |
| 8/10/12 | 6:34:06 PM | 0.29 | 210 | 412 | 16 |
| 8/10/12 | 6:35:06 PM | 0.30 | 210 | 413 | 16 |
| 8/10/12 | 6:36:06 PM | 0.29 | 210 | 412 | 16 |
| 8/10/12 | 6:37:06 PM | 0.29 | 210 | 411 | 16 |
| 8/10/12 | 6:38:06 PM | 0.29 | 211 | 413 | 16 |
| 8/10/12 | 6:39:06 PM | 0.28 | 211 | 414 | 16 |
| 8/10/12 | 6:40:06 PM | 0.28 | 211 | 413 | 16 |
| 8/10/12 | 6:41:06 PM | 0.29 | 212 | 414 | 16 |
| 8/10/12 | 6:42:06 PM | 0.29 | 212 | 416 | 16 |
| 8/10/12 | 6:43:06 PM | 0.29 | 211 | 415 | 16 |
| 8/10/12 | 6:44:06 PM | 0.29 | 210 | 414 | 16 |
| 8/10/12 | 6:45:06 PM | 0.29 | 210 | 412 | 16 |
| 8/10/12 | 6:46:06 PM | 0.29 | 210 | 412 | 16 |
| 8/10/12 | 6:47:06 PM | 0.29 | 210 | 412 | 16 |
| 8/10/12 | 6:48:06 PM | 0.29 | 210 | 412 | 16 |
| 8/10/12 | 6:49:06 PM | 0.29 | 210 | 412 | 16 |
| 8/10/12 | 6:50:06 PM | 0.29 | 210 | 412 | 16 |
| 8/10/12 | 6:51:06 PM | 0.29 | 210 | 412 | 16 |
| 8/10/12 | 6:52:06 PM | 0.29 | 209 | 411 | 16 |
| 8/10/12 | 6:53:06 PM | 0.29 | 208 | 409 | 16 |
| 8/10/12 | 6:54:06 PM | 0.30 | 209 | 408 | 16 |
| 8/10/12 | 6:55:06 PM | 0.29 | 209 | 409 | 16 |
| 8/10/12 | 6:56:06 PM | 0.30 | 207 | 408 | 15 |
| 8/10/12 | 6:57:06 PM | 0.29 | 206 | 407 | 15 |
| 8/10/12 | 6:58:06 PM | 0.29 | 205 | 406 | 15 |
| 8/10/12 | 6:59:06 PM | 0.30 | 205 | 404 | 15 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 7:00:06 PM | 0.29 | 206 | 405 | 15 |
| 8/10/12 | 7:01:06 PM | 0.29 | 206 | 405 | 15 |
| 8/10/12 | 7:02:06 PM | 0.30 | 206 | 405 | 15 |
| 8/10/12 | 7:03:06 PM | 0.30 | 206 | 405 | 15 |
| 8/10/12 | 7:04:06 PM | 0.29 | 204 | 405 | 15 |
| 8/10/12 | 7:05:06 PM | 0.30 | 204 | 404 | 15 |
| 8/10/12 | 7:06:06 PM | 0.30 | 203 | 403 | 15 |
| 8/10/12 | 7:07:06 PM | 0.30 | 202 | 400 | 15 |
| 8/10/12 | 7:08:06 PM | 0.29 | 202 | 399 | 15 |
| 8/10/12 | 7:09:06 PM | 0.30 | 201 | 399 | 15 |
| 8/10/12 | 7:10:06 PM | 0.30 | 202 | 398 | 15 |
| 8/10/12 | 7:11:06 PM | 0.30 | 202 | 399 | 15 |
| 8/10/12 | 7:12:06 PM | 0.29 | 202 | 398 | 15 |
| 8/10/12 | 7:13:06 PM | 0.29 | 203 | 398 | 15 |
| 8/10/12 | 7:14:06 PM | 0.30 | 202 | 399 | 15 |
| 8/10/12 | 7:15:06 PM | 0.30 | 203 | 399 | 15 |
| 8/10/12 | 7:16:06 PM | 0.30 | 203 | 400 | 15 |
| 8/10/12 | 7:17:06 PM | 0.30 | 202 | 398 | 15 |
| 8/10/12 | 7:18:06 PM | 0.30 | 202 | 397 | 15 |
| 8/10/12 | 7:19:06 PM | 0.29 | 201 | 397 | 15 |
| 8/10/12 | 7:20:06 PM | 0.30 | 202 | 397 | 15 |
| 8/10/12 | 7:21:06 PM | 0.29 | 201 | 397 | 15 |
| 8/10/12 | 7:22:06 PM | 0.30 | 201 | 397 | 15 |
| 8/10/12 | 7:23:06 PM | 0.30 | 201 | 394 | 15 |
| 8/10/12 | 7:24:06 PM | 0.30 | 200 | 395 | 15 |
| 8/10/12 | 7:25:06 PM | 0.31 | 201 | 397 | 15 |
| 8/10/12 | 7:26:06 PM | 0.31 | 200 | 397 | 15 |
| 8/10/12 | 7:27:06 PM | 0.30 | 200 | 396 | 15 |
| 8/10/12 | 7:28:06 PM | 0.30 | 200 | 396 | 15 |
| 8/10/12 | 7:29:06 PM | 0.31 | 200 | 396 | 15 |
| 8/10/12 | 7:30:06 PM | 0.30 | 200 | 396 | 15 |
| 8/10/12 | 7:31:06 PM | 0.30 | 200 | 397 | 15 |
| 8/10/12 | 7:32:06 PM | 0.30 | 201 | 395 | 15 |
| 8/10/12 | 7:33:06 PM | 0.30 | 201 | 394 | 15 |
| 8/10/12 | 7:34:06 PM | 0.29 | 200 | 394 | 15 |
| 8/10/12 | 7:35:06 PM | 0.29 | 201 | 396 | 15 |
| 8/10/12 | 7:36:06 PM | 0.29 | 201 | 397 | 15 |
| 8/10/12 | 7:37:06 PM | 0.30 | 201 | 397 | 15 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 7:38:06 PM | 0.30 | 202 | 398 | 15 |
| 8/10/12 | 7:39:06 PM | 0.30 | 201 | 397 | 15 |
| 8/10/12 | 7:40:06 PM | 0.30 | 200 | 397 | 15 |
| 8/10/12 | 7:41:06 PM | 0.30 | 200 | 396 | 15 |
| 8/10/12 | 7:42:06 PM | 0.30 | 200 | 395 | 15 |
| 8/10/12 | 7:43:06 PM | 0.29 | 200 | 395 | 15 |
| 8/10/12 | 7:44:06 PM | 0.30 | 201 | 395 | 14 |
| 8/10/12 | 7:45:06 PM | 0.29 | 201 | 398 | 14 |
| 8/10/12 | 7:46:06 PM | 0.30 | 202 | 400 | 14 |
| 8/10/12 | 7:47:06 PM | 0.30 | 201 | 401 | 15 |
| 8/10/12 | 7:48:06 PM | 0.30 | 202 | 399 | 15 |
| 8/10/12 | 7:49:06 PM | 0.29 | 202 | 399 | 15 |
| 8/10/12 | 7:50:06 PM | 0.30 | 203 | 398 | 15 |
| 8/10/12 | 7:51:06 PM | 0.30 | 203 | 400 | 15 |
| 8/10/12 | 7:52:06 PM | 0.30 | 205 | 401 | 15 |
| 8/10/12 | 7:53:06 PM | 0.30 | 205 | 402 | 14 |
| 8/10/12 | 7:54:06 PM | 0.31 | 205 | 402 | 14 |
| 8/10/12 | 7:55:06 PM | 0.30 | 204 | 402 | 15 |
| 8/10/12 | 7:56:06 PM | 0.30 | 205 | 401 | 15 |
| 8/10/12 | 7:57:06 PM | 0.30 | 205 | 403 | 15 |
| 8/10/12 | 7:58:06 PM | 0.30 | 205 | 402 | 15 |
| 8/10/12 | 7:59:06 PM | 0.30 | 204 | 403 | 14 |
| 8/10/12 | 8:00:06 PM | 0.30 | 203 | 403 | 14 |
| 8/10/12 | 8:01:06 PM | 0.30 | 203 | 402 | 14 |
| 8/10/12 | 8:02:06 PM | 0.31 | 202 | 400 | 14 |
| 8/10/12 | 8:03:06 PM | 0.30 | 202 | 401 | 14 |
| 8/10/12 | 8:04:06 PM | 0.30 | 202 | 400 | 14 |
| 8/10/12 | 8:05:06 PM | 0.30 | 201 | 397 | 14 |
| 8/10/12 | 8:06:06 PM | 0.30 | 201 | 397 | 14 |
| 8/10/12 | 8:07:06 PM | 0.30 | 202 | 397 | 14 |
| 8/10/12 | 8:08:06 PM | 0.30 | 201 | 397 | 14 |
| 8/10/12 | 8:09:06 PM | 0.30 | 199 | 396 | 14 |
| 8/10/12 | 8:10:06 PM | 0.30 | 200 | 393 | 14 |
| 8/10/12 | 8:11:06 PM | 0.30 | 201 | 393 | 14 |
| 8/10/12 | 8:12:06 PM | 0.31 | 201 | 396 | 14 |
| 8/10/12 | 8:13:06 PM | 0.31 | 201 | 397 | 14 |
| 8/10/12 | 8:14:06 PM | 0.30 | 200 | 394 | 14 |
| 8/10/12 | 8:15:06 PM | 0.30 | 202 | 395 | 14 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 8:16:06 PM | 0.30 | 202 | 396 | 14 |
| 8/10/12 | 8:17:06 PM | 0.30 | 202 | 397 | 14 |
| 8/10/12 | 8:18:06 PM | 0.31 | 202 | 396 | 14 |
| 8/10/12 | 8:19:06 PM | 0.30 | 202 | 394 | 14 |
| 8/10/12 | 8:20:06 PM | 0.30 | 202 | 394 | 14 |
| 8/10/12 | 8:21:06 PM | 0.31 | 203 | 397 | 14 |
| 8/10/12 | 8:22:06 PM | 0.30 | 203 | 398 | 14 |
| 8/10/12 | 8:23:06 PM | 0.31 | 203 | 398 | 14 |
| 8/10/12 | 8:24:06 PM | 0.30 | 204 | 397 | 14 |
| 8/10/12 | 8:25:06 PM | 0.30 | 205 | 399 | 14 |
| 8/10/12 | 8:26:06 PM | 0.30 | 206 | 401 | 14 |
| 8/10/12 | 8:27:06 PM | 0.30 | 207 | 404 | 14 |
| 8/10/12 | 8:28:06 PM | 0.30 | 207 | 406 | 14 |
| 8/10/12 | 8:29:06 PM | 0.30 | 207 | 407 | 13 |
| 8/10/12 | 8:30:06 PM | 0.30 | 206 | 407 | 13 |
| 8/10/12 | 8:31:06 PM | 0.30 | 206 | 407 | 13 |
| 8/10/12 | 8:32:06 PM | 0.30 | 205 | 406 | 13 |
| 8/10/12 | 8:33:06 PM | 0.30 | 205 | 405 | 13 |
| 8/10/12 | 8:34:06 PM | 0.31 | 204 | 405 | 13 |
| 8/10/12 | 8:35:06 PM | 0.31 | 203 | 403 | 14 |
| 8/10/12 | 8:36:06 PM | 0.31 | 202 | 399 | 14 |
| 8/10/12 | 8:37:06 PM | 0.30 | 201 | 398 | 14 |
| 8/10/12 | 8:38:06 PM | 0.31 | 201 | 396 | 14 |
| 8/10/12 | 8:39:06 PM | 0.31 | 200 | 395 | 14 |
| 8/10/12 | 8:40:06 PM | 0.31 | 199 | 395 | 14 |
| 8/10/12 | 8:41:06 PM | 0.31 | 199 | 393 | 14 |
| 8/10/12 | 8:42:06 PM | 0.30 | 200 | 394 | 14 |
| 8/10/12 | 8:43:06 PM | 0.30 | 201 | 394 | 14 |
| 8/10/12 | 8:44:06 PM | 0.30 | 201 | 393 | 14 |
| 8/10/12 | 8:45:06 PM | 0.30 | 201 | 394 | 14 |
| 8/10/12 | 8:46:06 PM | 0.30 | 202 | 396 | 14 |
| 8/10/12 | 8:47:06 PM | 0.31 | 202 | 395 | 14 |
| 8/10/12 | 8:48:06 PM | 0.30 | 202 | 394 | 14 |
| 8/10/12 | 8:49:06 PM | 0.30 | 203 | 394 | 14 |
| 8/10/12 | 8:50:06 PM | 0.31 | 201 | 395 | 14 |
| 8/10/12 | 8:51:06 PM | 0.31 | 200 | 393 | 14 |
| 8/10/12 | 8:52:06 PM | 0.30 | 200 | 392 | 14 |
| 8/10/12 | 8:53:06 PM | 0.30 | 201 | 392 | 14 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 8:54:06 PM | 0.30 | 202 | 393 | 14 |
| 8/10/12 | 8:55:06 PM | 0.30 | 201 | 392 | 14 |
| 8/10/12 | 8:56:06 PM | 0.31 | 203 | 394 | 13 |
| 8/10/12 | 8:57:06 PM | 0.30 | 203 | 395 | 13 |
| 8/10/12 | 8:58:06 PM | 0.30 | 202 | 393 | 13 |
| 8/10/12 | 8:59:06 PM | 0.30 | 203 | 393 | 13 |
| 8/10/12 | 9:00:06 PM | 0.30 | 203 | 393 | 13 |
| 8/10/12 | 9:01:06 PM | 0.30 | 203 | 393 | 13 |
| 8/10/12 | 9:02:06 PM | 0.30 | 203 | 392 | 13 |
| 8/10/12 | 9:03:06 PM | 0.31 | 204 | 392 | 13 |
| 8/10/12 | 9:04:06 PM | 0.30 | 203 | 392 | 13 |
| 8/10/12 | 9:05:06 PM | 0.30 | 203 | 392 | 13 |
| 8/10/12 | 9:06:06 PM | 0.30 | 204 | 389 | 13 |
| 8/10/12 | 9:07:06 PM | 0.30 | 205 | 393 | 13 |
| 8/10/12 | 9:08:06 PM | 0.30 | 204 | 393 | 13 |
| 8/10/12 | 9:09:06 PM | 0.30 | 205 | 393 | 13 |
| 8/10/12 | 9:10:06 PM | 0.30 | 205 | 394 | 13 |
| 8/10/12 | 9:11:06 PM | 0.30 | 203 | 395 | 13 |
| 8/10/12 | 9:12:06 PM | 0.30 | 201 | 393 | 13 |
| 8/10/12 | 9:13:06 PM | 0.31 | 200 | 393 | 13 |
| 8/10/12 | 9:14:06 PM | 0.31 | 199 | 392 | 13 |
| 8/10/12 | 9:15:06 PM | 0.31 | 199 | 392 | 13 |
| 8/10/12 | 9:16:06 PM | 0.31 | 199 | 392 | 13 |
| 8/10/12 | 9:17:06 PM | 0.31 | 197 | 392 | 13 |
| 8/10/12 | 9:18:06 PM | 0.31 | 196 | 392 | 13 |
| 8/10/12 | 9:19:06 PM | 0.30 | 196 | 391 | 13 |
| 8/10/12 | 9:20:06 PM | 0.32 | 197 | 390 | 13 |
| 8/10/12 | 9:21:06 PM | 0.31 | 196 | 392 | 13 |
| 8/10/12 | 9:22:06 PM | 0.30 | 196 | 391 | 13 |
| 8/10/12 | 9:23:06 PM | 0.31 | 195 | 392 | 13 |
| 8/10/12 | 9:24:06 PM | 0.30 | 195 | 392 | 13 |
| 8/10/12 | 9:25:06 PM | 0.31 | 196 | 392 | 13 |
| 8/10/12 | 9:26:06 PM | 0.31 | 197 | 394 | 13 |
| 8/10/12 | 9:27:06 PM | 0.31 | 197 | 392 | 13 |
| 8/10/12 | 9:28:06 PM | 0.31 | 198 | 393 | 13 |
| 8/10/12 | 9:29:06 PM | 0.31 | 198 | 393 | 13 |
| 8/10/12 | 9:30:06 PM | 0.31 | 198 | 392 | 13 |
| 8/10/12 | 9:31:06 PM | 0.31 | 199 | 392 | 13 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 9:32:06 PM | 0.30 | 199 | 392 | 13 |
| 8/10/12 | 9:33:06 PM | 0.30 | 199 | 394 | 13 |
| 8/10/12 | 9:34:06 PM | 0.31 | 199 | 392 | 13 |
| 8/10/12 | 9:35:06 PM | 0.31 | 199 | 394 | 13 |
| 8/10/12 | 9:36:06 PM | 0.31 | 200 | 394 | 13 |
| 8/10/12 | 9:37:06 PM | 0.31 | 200 | 395 | 13 |
| 8/10/12 | 9:38:06 PM | 0.30 | 200 | 396 | 13 |
| 8/10/12 | 9:39:06 PM | 0.31 | 199 | 393 | 13 |
| 8/10/12 | 9:40:06 PM | 0.30 | 200 | 392 | 13 |
| 8/10/12 | 9:41:06 PM | 0.30 | 200 | 392 | 13 |
| 8/10/12 | 9:42:06 PM | 0.31 | 199 | 392 | 13 |
| 8/10/12 | 9:43:06 PM | 0.32 | 198 | 391 | 13 |
| 8/10/12 | 9:44:06 PM | 0.30 | 197 | 392 | 13 |
| 8/10/12 | 9:45:06 PM | 0.31 | 197 | 388 | 13 |
| 8/10/12 | 9:46:06 PM | 0.31 | 197 | 388 | 13 |
| 8/10/12 | 9:47:06 PM | 0.32 | 197 | 386 | 13 |
| 8/10/12 | 9:48:06 PM | 0.30 | 196 | 385 | 13 |
| 8/10/12 | 9:49:06 PM | 0.31 | 197 | 383 | 13 |
| 8/10/12 | 9:50:06 PM | 0.31 | 199 | 386 | 13 |
| 8/10/12 | 9:51:06 PM | 0.31 | 199 | 387 | 13 |
| 8/10/12 | 9:52:06 PM | 0.31 | 199 | 386 | 13 |
| 8/10/12 | 9:53:06 PM | 0.31 | 198 | 386 | 13 |
| 8/10/12 | 9:54:06 PM | 0.31 | 198 | 387 | 13 |
| 8/10/12 | 9:55:06 PM | 0.31 | 198 | 385 | 13 |
| 8/10/12 | 9:56:06 PM | 0.31 | 200 | 386 | 13 |
| 8/10/12 | 9:57:06 PM | 0.31 | 200 | 388 | 13 |
| 8/10/12 | 9:58:06 PM | 0.31 | 201 | 388 | 13 |
| 8/10/12 | 9:59:06 PM | 0.30 | 200 | 388 | 13 |
| 8/10/12 | 10:00:06 PM | 0.30 | 200 | 387 | 13 |
| 8/10/12 | 10:01:06 PM | 0.31 | 200 | 386 | 13 |
| 8/10/12 | 10:02:06 PM | 0.31 | 200 | 386 | 13 |
| 8/10/12 | 10:03:06 PM | 0.31 | 201 | 387 | 13 |
| 8/10/12 | 10:04:06 PM | 0.31 | 202 | 388 | 12 |
| 8/10/12 | 10:05:06 PM | 0.31 | 203 | 390 | 12 |
| 8/10/12 | 10:06:06 PM | 0.31 | 204 | 392 | 12 |
| 8/10/12 | 10:07:06 PM | 0.31 | 203 | 394 | 12 |
| 8/10/12 | 10:08:06 PM | 0.32 | 203 | 393 | 12 |
| 8/10/12 | 10:09:06 PM | 0.31 | 203 | 395 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 10:10:06 PM | 0.31 | 204 | 395 | 12 |
| 8/10/12 | 10:11:06 PM | 0.31 | 204 | 395 | 12 |
| 8/10/12 | 10:12:06 PM | 0.31 | 205 | 397 | 12 |
| 8/10/12 | 10:13:06 PM | 0.31 | 204 | 400 | 12 |
| 8/10/12 | 10:14:06 PM | 0.31 | 202 | 400 | 12 |
| 8/10/12 | 10:15:06 PM | 0.31 | 202 | 397 | 12 |
| 8/10/12 | 10:16:06 PM | 0.31 | 203 | 397 | 12 |
| 8/10/12 | 10:17:06 PM | 0.30 | 202 | 396 | 12 |
| 8/10/12 | 10:18:06 PM | 0.31 | 202 | 397 | 12 |
| 8/10/12 | 10:19:06 PM | 0.31 | 202 | 396 | 12 |
| 8/10/12 | 10:20:06 PM | 0.31 | 203 | 397 | 12 |
| 8/10/12 | 10:21:06 PM | 0.31 | 203 | 394 | 12 |
| 8/10/12 | 10:22:06 PM | 0.31 | 203 | 392 | 12 |
| 8/10/12 | 10:23:06 PM | 0.30 | 204 | 393 | 12 |
| 8/10/12 | 10:24:06 PM | 0.31 | 204 | 392 | 12 |
| 8/10/12 | 10:25:06 PM | 0.31 | 204 | 392 | 12 |
| 8/10/12 | 10:26:06 PM | 0.31 | 204 | 392 | 12 |
| 8/10/12 | 10:27:06 PM | 0.31 | 205 | 392 | 12 |
| 8/10/12 | 10:28:06 PM | 0.31 | 204 | 392 | 12 |
| 8/10/12 | 10:29:06 PM | 0.30 | 204 | 392 | 12 |
| 8/10/12 | 10:30:06 PM | 0.30 | 202 | 392 | 12 |
| 8/10/12 | 10:31:06 PM | 0.31 | 200 | 389 | 12 |
| 8/10/12 | 10:32:06 PM | 0.31 | 199 | 388 | 12 |
| 8/10/12 | 10:33:06 PM | 0.31 | 198 | 386 | 12 |
| 8/10/12 | 10:34:06 PM | 0.30 | 199 | 387 | 12 |
| 8/10/12 | 10:35:06 PM | 0.31 | 199 | 387 | 12 |
| 8/10/12 | 10:36:06 PM | 0.31 | 198 | 385 | 12 |
| 8/10/12 | 10:37:06 PM | 0.31 | 198 | 384 | 12 |
| 8/10/12 | 10:38:06 PM | 0.30 | 199 | 386 | 12 |
| 8/10/12 | 10:39:06 PM | 0.31 | 198 | 386 | 12 |
| 8/10/12 | 10:40:06 PM | 0.31 | 196 | 385 | 12 |
| 8/10/12 | 10:41:06 PM | 0.30 | 196 | 384 | 12 |
| 8/10/12 | 10:42:06 PM | 0.31 | 198 | 384 | 12 |
| 8/10/12 | 10:43:06 PM | 0.31 | 198 | 386 | 12 |
| 8/10/12 | 10:44:06 PM | 0.31 | 199 | 385 | 12 |
| 8/10/12 | 10:45:06 PM | 0.31 | 199 | 386 | 12 |
| 8/10/12 | 10:46:06 PM | 0.32 | 199 | 386 | 12 |
| 8/10/12 | 10:47:06 PM | 0.32 | 198 | 385 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 10:48:06 PM | 0.31 | 198 | 386 | 12 |
| 8/10/12 | 10:49:06 PM | 0.31 | 199 | 387 | 12 |
| 8/10/12 | 10:50:06 PM | 0.32 | 200 | 389 | 12 |
| 8/10/12 | 10:51:06 PM | 0.32 | 200 | 388 | 12 |
| 8/10/12 | 10:52:06 PM | 0.33 | 199 | 390 | 12 |
| 8/10/12 | 10:53:06 PM | 0.32 | 197 | 388 | 12 |
| 8/10/12 | 10:54:06 PM | 0.32 | 196 | 387 | 12 |
| 8/10/12 | 10:55:06 PM | 0.31 | 197 | 387 | 12 |
| 8/10/12 | 10:56:06 PM | 0.31 | 198 | 387 | 12 |
| 8/10/12 | 10:57:06 PM | 0.31 | 198 | 388 | 12 |
| 8/10/12 | 10:58:06 PM | 0.31 | 199 | 390 | 12 |
| 8/10/12 | 10:59:06 PM | 0.31 | 200 | 391 | 12 |
| 8/10/12 | 11:00:06 PM | 0.31 | 201 | 394 | 12 |
| 8/10/12 | 11:01:06 PM | 0.32 | 202 | 395 | 12 |
| 8/10/12 | 11:02:06 PM | 0.32 | 202 | 395 | 12 |
| 8/10/12 | 11:03:06 PM | 0.32 | 198 | 394 | 12 |
| 8/10/12 | 11:04:06 PM | 0.33 | 197 | 392 | 12 |
| 8/10/12 | 11:05:06 PM | 0.32 | 196 | 389 | 12 |
| 8/10/12 | 11:06:06 PM | 0.32 | 198 | 387 | 12 |
| 8/10/12 | 11:07:06 PM | 0.32 | 199 | 388 | 12 |
| 8/10/12 | 11:08:06 PM | 0.31 | 201 | 389 | 12 |
| 8/10/12 | 11:09:06 PM | 0.31 | 201 | 390 | 12 |
| 8/10/12 | 11:10:06 PM | 0.31 | 200 | 390 | 12 |
| 8/10/12 | 11:11:06 PM | 0.32 | 200 | 391 | 12 |
| 8/10/12 | 11:12:06 PM | 0.32 | 200 | 390 | 12 |
| 8/10/12 | 11:13:06 PM | 0.31 | 201 | 389 | 12 |
| 8/10/12 | 11:14:06 PM | 0.31 | 202 | 387 | 12 |
| 8/10/12 | 11:15:06 PM | 0.31 | 202 | 388 | 12 |
| 8/10/12 | 11:16:06 PM | 0.31 | 202 | 390 | 12 |
| 8/10/12 | 11:17:06 PM | 0.31 | 197 | 389 | 12 |
| 8/10/12 | 11:18:06 PM | 0.31 | 194 | 386 | 12 |
| 8/10/12 | 11:19:06 PM | 0.32 | 195 | 384 | 12 |
| 8/10/12 | 11:20:06 PM | 0.32 | 196 | 383 | 12 |
| 8/10/12 | 11:21:06 PM | 0.33 | 198 | 383 | 12 |
| 8/10/12 | 11:22:06 PM | 0.33 | 201 | 385 | 12 |
| 8/10/12 | 11:23:06 PM | 0.33 | 202 | 388 | 12 |
| 8/10/12 | 11:24:06 PM | 0.32 | 203 | 388 | 12 |
| 8/10/12 | 11:25:06 PM | 0.32 | 204 | 386 | 12 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **10-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **10-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|---|
| 8/10/12 | 11:26:06 PM | 0.32 | 205 | 388 | 12 |
| 8/10/12 | 11:27:06 PM | 0.32 | 206 | 390 | 12 |
| 8/10/12 | 11:28:06 PM | 0.31 | 207 | 392 | 12 |
| 8/10/12 | 11:29:06 PM | 0.31 | 208 | 395 | 11 |
| 8/10/12 | 11:30:06 PM | 0.32 | 209 | 396 | 11 |
| 8/10/12 | 11:31:06 PM | 0.31 | 208 | 398 | 11 |
| 8/10/12 | 11:32:06 PM | 0.32 | 209 | 400 | 11 |
| 8/10/12 | 11:33:06 PM | 0.32 | 208 | 401 | 11 |
| 8/10/12 | 11:34:06 PM | 0.32 | 209 | 402 | 11 |
| 8/10/12 | 11:35:06 PM | 0.32 | 209 | 402 | 11 |
| 8/10/12 | 11:36:06 PM | 0.31 | 209 | 402 | 11 |
| 8/10/12 | 11:37:06 PM | 0.31 | 208 | 402 | 11 |
| 8/10/12 | 11:38:06 PM | 0.32 | 204 | 402 | 11 |
| 8/10/12 | 11:39:06 PM | 0.31 | 199 | 399 | 11 |
| 8/10/12 | 11:40:06 PM | 0.31 | 195 | 395 | 11 |
| 8/10/12 | 11:41:06 PM | 0.33 | 195 | 392 | 11 |
| 8/10/12 | 11:42:06 PM | 0.32 | 195 | 391 | 11 |
| 8/10/12 | 11:43:06 PM | 0.33 | 196 | 389 | 11 |
| 8/10/12 | 11:44:06 PM | 0.33 | 196 | 387 | 11 |
| 8/10/12 | 11:45:06 PM | 0.33 | 197 | 387 | 11 |
| 8/10/12 | 11:46:06 PM | 0.32 | 197 | 387 | 11 |
| 8/10/12 | 11:47:06 PM | 0.32 | 198 | 384 | 12 |
| 8/10/12 | 11:48:06 PM | 0.32 | 199 | 385 | 12 |
| 8/10/12 | 11:49:06 PM | 0.32 | 201 | 385 | 12 |
| 8/10/12 | 11:50:06 PM | 0.32 | 201 | 387 | 12 |
| 8/10/12 | 11:51:06 PM | 0.31 | 202 | 385 | 12 |
| 8/10/12 | 11:52:06 PM | 0.32 | 203 | 386 | 12 |
| 8/10/12 | 11:53:06 PM | 0.32 | 204 | 388 | 12 |
| 8/10/12 | 11:54:06 PM | 0.31 | 204 | 388 | 12 |
| 8/10/12 | 11:55:06 PM | 0.31 | 205 | 388 | 12 |
| 8/10/12 | 11:56:06 PM | 0.32 | 206 | 389 | 12 |
| 8/10/12 | 11:57:06 PM | 0.32 | 206 | 391 | 12 |
| 8/10/12 | 11:58:06 PM | 0.32 | 206 | 392 | 12 |
| 8/10/12 | 11:59:06 PM | 0.34 | 207 | 392 | 11 |
| Averages | | 0.29 | 211 | 404 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 0:00:06 AM | 0.36 | 207 | 392 | 11 |
| 8/11/2012 0:01:06 AM | 0.36 | 205 | 392 | 12 |
| 8/11/2012 0:02:06 AM | 0.35 | 202 | 389 | 12 |
| 8/11/2012 0:03:06 AM | 0.34 | 201 | 385 | 12 |
| 8/11/2012 0:04:06 AM | 0.33 | 202 | 384 | 12 |
| 8/11/2012 0:05:06 AM | 0.33 | 203 | 383 | 12 |
| 8/11/2012 0:06:06 AM | 0.33 | 204 | 384 | 12 |
| 8/11/2012 0:07:06 AM | 0.34 | 205 | 384 | 11 |
| 8/11/2012 0:08:06 AM | 0.35 | 206 | 386 | 11 |
| 8/11/2012 0:09:06 AM | 0.35 | 207 | 387 | 11 |
| 8/11/2012 0:10:06 AM | 0.36 | 207 | 388 | 11 |
| 8/11/2012 0:11:06 AM | 0.36 | 206 | 389 | 11 |
| 8/11/2012 0:12:06 AM | 0.36 | 206 | 390 | 11 |
| 8/11/2012 0:13:06 AM | 0.37 | 206 | 389 | 11 |
| 8/11/2012 0:14:06 AM | 0.37 | 207 | 391 | 11 |
| 8/11/2012 0:15:06 AM | 0.36 | 207 | 392 | 11 |
| 8/11/2012 0:16:06 AM | 0.35 | 207 | 392 | 11 |
| 8/11/2012 0:17:06 AM | 0.34 | 207 | 392 | 11 |
| 8/11/2012 0:18:06 AM | 0.36 | 208 | 392 | 11 |
| 8/11/2012 0:19:06 AM | 0.36 | 208 | 395 | 11 |
| 8/11/2012 0:20:06 AM | 0.35 | 208 | 396 | 11 |
| 8/11/2012 0:21:06 AM | 0.34 | 209 | 397 | 11 |
| 8/11/2012 0:22:06 AM | 0.33 | 209 | 398 | 11 |
| 8/11/2012 0:23:06 AM | 0.32 | 209 | 398 | 11 |
| 8/11/2012 0:24:06 AM | 0.33 | 209 | 398 | 11 |
| 8/11/2012 0:25:06 AM | 0.33 | 210 | 399 | 11 |
| 8/11/2012 0:26:06 AM | 0.33 | 210 | 400 | 11 |
| 8/11/2012 0:27:06 AM | 0.33 | 210 | 400 | 11 |
| 8/11/2012 0:28:06 AM | 0.34 | 210 | 399 | 11 |
| 8/11/2012 0:29:06 AM | 0.33 | 210 | 402 | 11 |
| 8/11/2012 0:30:06 AM | 0.33 | 210 | 401 | 11 |
| 8/11/2012 0:31:06 AM | 0.32 | 210 | 401 | 11 |
| 8/11/2012 0:32:06 AM | 0.31 | 210 | 400 | 11 |
| 8/11/2012 0:33:06 AM | 0.32 | 208 | 398 | 11 |
| 8/11/2012 0:34:06 AM | 0.31 | 204 | 397 | 11 |
| 8/11/2012 0:35:06 AM | 0.30 | 203 | 395 | 11 |
| 8/11/2012 0:36:06 AM | 0.31 | 205 | 391 | 11 |
| 8/11/2012 0:37:06 AM | 0.31 | 205 | 390 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 0:38:06 AM | 0.30 | 206 | 392 | 11 |
| 8/11/2012 0:39:06 AM | 0.29 | 206 | 390 | 11 |
| 8/11/2012 0:40:06 AM | 0.29 | 206 | 390 | 11 |
| 8/11/2012 0:41:06 AM | 0.29 | 205 | 389 | 10 |
| 8/11/2012 0:42:06 AM | 0.30 | 199 | 389 | 10 |
| 8/11/2012 0:43:06 AM | 0.30 | 195 | 388 | 10 |
| 8/11/2012 0:44:06 AM | 0.31 | 196 | 385 | 11 |
| 8/11/2012 0:45:06 AM | 0.31 | 197 | 383 | 11 |
| 8/11/2012 0:46:06 AM | 0.31 | 197 | 382 | 11 |
| 8/11/2012 0:47:06 AM | 0.31 | 197 | 383 | 10 |
| 8/11/2012 0:48:06 AM | 0.31 | 196 | 382 | 10 |
| 8/11/2012 0:49:06 AM | 0.31 | 197 | 383 | 10 |
| 8/11/2012 0:50:06 AM | 0.31 | 197 | 382 | 10 |
| 8/11/2012 0:51:06 AM | 0.31 | 195 | 382 | 10 |
| 8/11/2012 0:52:06 AM | 0.31 | 193 | 381 | 10 |
| 8/11/2012 0:53:06 AM | 0.30 | 192 | 378 | 10 |
| 8/11/2012 0:54:06 AM | 0.32 | 193 | 378 | 10 |
| 8/11/2012 0:55:06 AM | 0.31 | 195 | 379 | 10 |
| 8/11/2012 0:56:06 AM | 0.30 | 198 | 382 | 10 |
| 8/11/2012 0:57:06 AM | 0.30 | 201 | 383 | 10 |
| 8/11/2012 0:58:06 AM | 0.31 | 202 | 386 | 10 |
| 8/11/2012 0:59:06 AM | 0.32 | 203 | 388 | 10 |
| 8/11/2012 1:00:06 AM | 0.31 | 204 | 392 | 10 |
| 8/11/2012 1:01:06 AM | 0.31 | 202 | 393 | 10 |
| 8/11/2012 1:02:06 AM | 0.31 | 201 | 393 | 10 |
| 8/11/2012 1:03:06 AM | 0.30 | 203 | 392 | 10 |
| 8/11/2012 1:04:06 AM | 0.31 | 205 | 394 | 10 |
| 8/11/2012 1:05:06 AM | 0.31 | 206 | 394 | 10 |
| 8/11/2012 1:06:06 AM | 0.31 | 207 | 395 | 10 |
| 8/11/2012 1:07:06 AM | 0.31 | 207 | 396 | 10 |
| 8/11/2012 1:08:06 AM | 0.31 | 208 | 396 | 10 |
| 8/11/2012 1:09:06 AM | 0.31 | 208 | 394 | 10 |
| 8/11/2012 1:10:06 AM | 0.31 | 207 | 397 | 10 |
| 8/11/2012 1:11:06 AM | 0.31 | 208 | 396 | 10 |
| 8/11/2012 1:12:06 AM | 0.30 | 208 | 394 | 10 |
| 8/11/2012 1:13:06 AM | 0.30 | 206 | 394 | 10 |
| 8/11/2012 1:14:06 AM | 0.31 | 204 | 392 | 10 |
| 8/11/2012 1:15:06 AM | 0.30 | 203 | 393 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 1:16:06 AM | 0.31 | 204 | 391 | 10 |
| 8/11/2012 1:17:06 AM | 0.30 | 205 | 390 | 10 |
| 8/11/2012 1:18:06 AM | 0.30 | 206 | 390 | 10 |
| 8/11/2012 1:19:06 AM | 0.30 | 203 | 390 | 10 |
| 8/11/2012 1:20:06 AM | 0.30 | 200 | 391 | 10 |
| 8/11/2012 1:21:06 AM | 0.30 | 201 | 388 | 10 |
| 8/11/2012 1:22:06 AM | 0.30 | 203 | 387 | 10 |
| 8/11/2012 1:23:06 AM | 0.29 | 203 | 388 | 10 |
| 8/11/2012 1:24:06 AM | 0.30 | 205 | 388 | 10 |
| 8/11/2012 1:25:06 AM | 0.30 | 206 | 389 | 10 |
| 8/11/2012 1:26:06 AM | 0.30 | 207 | 389 | 10 |
| 8/11/2012 1:27:06 AM | 0.29 | 209 | 390 | 10 |
| 8/11/2012 1:28:06 AM | 0.29 | 211 | 393 | 10 |
| 8/11/2012 1:29:06 AM | 0.30 | 212 | 394 | 10 |
| 8/11/2012 1:30:06 AM | 0.30 | 212 | 397 | 10 |
| 8/11/2012 1:31:06 AM | 0.30 | 212 | 398 | 10 |
| 8/11/2012 1:32:06 AM | 0.30 | 213 | 400 | 10 |
| 8/11/2012 1:33:06 AM | 0.30 | 214 | 402 | 10 |
| 8/11/2012 1:34:06 AM | 0.30 | 213 | 403 | 10 |
| 8/11/2012 1:35:06 AM | 0.30 | 212 | 403 | 10 |
| 8/11/2012 1:36:06 AM | 0.30 | 213 | 404 | 10 |
| 8/11/2012 1:37:06 AM | 0.30 | 213 | 406 | 10 |
| 8/11/2012 1:38:06 AM | 0.29 | 214 | 405 | 10 |
| 8/11/2012 1:39:06 AM | 0.30 | 215 | 407 | 10 |
| 8/11/2012 1:40:06 AM | 0.31 | 215 | 409 | 10 |
| 8/11/2012 1:41:06 AM | 0.31 | 214 | 412 | 10 |
| 8/11/2012 1:42:06 AM | 0.30 | 213 | 409 | 10 |
| 8/11/2012 1:43:06 AM | 0.29 | 214 | 407 | 10 |
| 8/11/2012 1:44:06 AM | 0.30 | 214 | 406 | 10 |
| 8/11/2012 1:45:06 AM | 0.30 | 214 | 407 | 10 |
| 8/11/2012 1:46:06 AM | 0.29 | 214 | 406 | 10 |
| 8/11/2012 1:47:06 AM | 0.30 | 214 | 406 | 10 |
| 8/11/2012 1:48:06 AM | 0.30 | 214 | 406 | 10 |
| 8/11/2012 1:49:06 AM | 0.29 | 214 | 405 | 10 |
| 8/11/2012 1:50:06 AM | 0.29 | 215 | 404 | 10 |
| 8/11/2012 1:51:06 AM | 0.30 | 216 | 405 | 10 |
| 8/11/2012 1:52:06 AM | 0.29 | 216 | 405 | 10 |
| 8/11/2012 1:53:06 AM | 0.29 | 215 | 406 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 1:54:06 AM | 0.30 | 215 | 405 | 10 |
| 8/11/2012 1:55:06 AM | 0.30 | 215 | 405 | 10 |
| 8/11/2012 1:56:06 AM | 0.29 | 215 | 404 | 10 |
| 8/11/2012 1:57:06 AM | 0.29 | 215 | 405 | 10 |
| 8/11/2012 1:58:06 AM | 0.29 | 216 | 405 | 10 |
| 8/11/2012 1:59:06 AM | 0.29 | 216 | 404 | 10 |
| 8/11/2012 2:00:06 AM | 0.29 | 217 | 404 | 10 |
| 8/11/2012 2:01:06 AM | 0.29 | 217 | 406 | 10 |
| 8/11/2012 2:02:06 AM | 0.29 | 218 | 407 | 10 |
| 8/11/2012 2:03:06 AM | 0.29 | 218 | 407 | 10 |
| 8/11/2012 2:04:06 AM | 0.29 | 218 | 407 | 10 |
| 8/11/2012 2:05:06 AM | 0.29 | 217 | 407 | 10 |
| 8/11/2012 2:06:06 AM | 0.29 | 217 | 407 | 10 |
| 8/11/2012 2:07:06 AM | 0.29 | 217 | 406 | 10 |
| 8/11/2012 2:08:06 AM | 0.29 | 218 | 408 | 10 |
| 8/11/2012 2:09:06 AM | 0.29 | 217 | 409 | 10 |
| 8/11/2012 2:10:06 AM | 0.29 | 218 | 409 | 10 |
| 8/11/2012 2:11:06 AM | 0.29 | 218 | 409 | 10 |
| 8/11/2012 2:12:06 AM | 0.29 | 218 | 411 | 10 |
| 8/11/2012 2:13:06 AM | 0.29 | 218 | 413 | 10 |
| 8/11/2012 2:14:06 AM | 0.29 | 218 | 414 | 10 |
| 8/11/2012 2:15:06 AM | 0.29 | 219 | 414 | 10 |
| 8/11/2012 2:16:06 AM | 0.29 | 219 | 414 | 10 |
| 8/11/2012 2:17:06 AM | 0.29 | 219 | 416 | 9 |
| 8/11/2012 2:18:06 AM | 0.29 | 220 | 417 | 9 |
| 8/11/2012 2:19:06 AM | 0.28 | 221 | 418 | 9 |
| 8/11/2012 2:20:06 AM | 0.28 | 221 | 418 | 10 |
| 8/11/2012 2:21:06 AM | 0.29 | 221 | 422 | 10 |
| 8/11/2012 2:22:06 AM | 0.28 | 220 | 422 | 10 |
| 8/11/2012 2:23:06 AM | 0.29 | 220 | 422 | 9 |
| 8/11/2012 2:24:06 AM | 0.29 | 221 | 422 | 9 |
| 8/11/2012 2:25:06 AM | 0.29 | 221 | 422 | 10 |
| 8/11/2012 2:26:06 AM | 0.29 | 221 | 422 | 10 |
| 8/11/2012 2:27:06 AM | 0.29 | 221 | 423 | 10 |
| 8/11/2012 2:28:06 AM | 0.28 | 221 | 422 | 10 |
| 8/11/2012 2:29:06 AM | 0.28 | 221 | 421 | 10 |
| 8/11/2012 2:30:06 AM | 0.29 | 222 | 420 | 10 |
| 8/11/2012 2:31:06 AM | 0.28 | 222 | 418 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 2:32:06 AM | 0.29 | 222 | 417 | 10 |
| 8/11/2012 2:33:06 AM | 0.29 | 222 | 419 | 10 |
| 8/11/2012 2:34:06 AM | 0.28 | 222 | 419 | 10 |
| 8/11/2012 2:35:06 AM | 0.28 | 222 | 419 | 10 |
| 8/11/2012 2:36:06 AM | 0.28 | 222 | 419 | 10 |
| 8/11/2012 2:37:06 AM | 0.28 | 223 | 420 | 10 |
| 8/11/2012 2:38:06 AM | 0.28 | 223 | 421 | 10 |
| 8/11/2012 2:39:06 AM | 0.28 | 223 | 421 | 10 |
| 8/11/2012 2:40:06 AM | 0.29 | 224 | 422 | 10 |
| 8/11/2012 2:41:06 AM | 0.28 | 224 | 422 | 10 |
| 8/11/2012 2:42:06 AM | 0.28 | 224 | 422 | 10 |
| 8/11/2012 2:43:06 AM | 0.28 | 224 | 422 | 10 |
| 8/11/2012 2:44:06 AM | 0.28 | 225 | 423 | 10 |
| 8/11/2012 2:45:06 AM | 0.28 | 225 | 425 | 10 |
| 8/11/2012 2:46:06 AM | 0.28 | 225 | 425 | 10 |
| 8/11/2012 2:47:06 AM | 0.27 | 225 | 426 | 10 |
| 8/11/2012 2:48:06 AM | 0.28 | 226 | 426 | 10 |
| 8/11/2012 2:49:06 AM | 0.27 | 227 | 427 | 10 |
| 8/11/2012 2:50:06 AM | 0.28 | 227 | 427 | 10 |
| 8/11/2012 2:51:06 AM | 0.28 | 227 | 428 | 10 |
| 8/11/2012 2:52:06 AM | 0.27 | 226 | 428 | 10 |
| 8/11/2012 2:53:06 AM | 0.27 | 226 | 428 | 9 |
| 8/11/2012 2:54:06 AM | 0.28 | 227 | 431 | 9 |
| 8/11/2012 2:55:06 AM | 0.27 | 227 | 432 | 9 |
| 8/11/2012 2:56:06 AM | 0.28 | 227 | 432 | 9 |
| 8/11/2012 2:57:06 AM | 0.28 | 227 | 434 | 9 |
| 8/11/2012 2:58:06 AM | 0.27 | 227 | 434 | 9 |
| 8/11/2012 2:59:06 AM | 0.28 | 228 | 435 | 9 |
| 8/11/2012 3:00:06 AM | 0.28 | 228 | 436 | 9 |
| 8/11/2012 3:01:06 AM | 0.28 | 228 | 437 | 9 |
| 8/11/2012 3:02:06 AM | 0.28 | 228 | 437 | 9 |
| 8/11/2012 3:03:06 AM | 0.28 | 228 | 439 | 9 |
| 8/11/2012 3:04:06 AM | 0.28 | 228 | 440 | 9 |
| 8/11/2012 3:05:06 AM | 0.27 | 227 | 439 | 10 |
| 8/11/2012 3:06:06 AM | 0.28 | 227 | 439 | 10 |
| 8/11/2012 3:07:06 AM | 0.28 | 226 | 438 | 10 |
| 8/11/2012 3:08:06 AM | 0.27 | 226 | 438 | 10 |
| 8/11/2012 3:09:06 AM | 0.27 | 227 | 438 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 3:10:06 AM | 0.27 | 227 | 437 | 10 |
| 8/11/2012 3:11:06 AM | 0.27 | 228 | 436 | 10 |
| 8/11/2012 3:12:06 AM | 0.27 | 228 | 435 | 10 |
| 8/11/2012 3:13:06 AM | 0.27 | 228 | 435 | 10 |
| 8/11/2012 3:14:06 AM | 0.27 | 227 | 434 | 10 |
| 8/11/2012 3:15:06 AM | 0.27 | 227 | 433 | 10 |
| 8/11/2012 3:16:06 AM | 0.27 | 227 | 432 | 10 |
| 8/11/2012 3:17:06 AM | 0.27 | 226 | 431 | 10 |
| 8/11/2012 3:18:06 AM | 0.28 | 227 | 429 | 10 |
| 8/11/2012 3:19:06 AM | 0.27 | 227 | 428 | 10 |
| 8/11/2012 3:20:06 AM | 0.27 | 228 | 427 | 10 |
| 8/11/2012 3:21:06 AM | 0.27 | 228 | 427 | 10 |
| 8/11/2012 3:22:06 AM | 0.27 | 228 | 427 | 10 |
| 8/11/2012 3:23:06 AM | 0.27 | 228 | 428 | 10 |
| 8/11/2012 3:24:06 AM | 0.27 | 229 | 428 | 10 |
| 8/11/2012 3:25:06 AM | 0.27 | 229 | 429 | 10 |
| 8/11/2012 3:26:06 AM | 0.28 | 229 | 429 | 10 |
| 8/11/2012 3:27:06 AM | 0.27 | 229 | 428 | 10 |
| 8/11/2012 3:28:06 AM | 0.27 | 230 | 429 | 10 |
| 8/11/2012 3:29:06 AM | 0.28 | 229 | 432 | 10 |
| 8/11/2012 3:30:06 AM | 0.27 | 230 | 432 | 10 |
| 8/11/2012 3:31:06 AM | 0.27 | 230 | 432 | 10 |
| 8/11/2012 3:32:06 AM | 0.27 | 229 | 433 | 10 |
| 8/11/2012 3:33:06 AM | 0.28 | 229 | 433 | 10 |
| 8/11/2012 3:34:06 AM | 0.27 | 229 | 434 | 10 |
| 8/11/2012 3:35:06 AM | 0.27 | 229 | 433 | 10 |
| 8/11/2012 3:36:06 AM | 0.27 | 229 | 435 | 10 |
| 8/11/2012 3:37:06 AM | 0.27 | 229 | 436 | 10 |
| 8/11/2012 3:38:06 AM | 0.27 | 230 | 437 | 10 |
| 8/11/2012 3:39:06 AM | 0.27 | 230 | 437 | 10 |
| 8/11/2012 3:40:06 AM | 0.27 | 230 | 437 | 10 |
| 8/11/2012 3:41:06 AM | 0.27 | 230 | 438 | 10 |
| 8/11/2012 3:42:06 AM | 0.27 | 230 | 438 | 10 |
| 8/11/2012 3:43:06 AM | 0.27 | 230 | 440 | 10 |
| 8/11/2012 3:44:06 AM | 0.27 | 230 | 440 | 10 |
| 8/11/2012 3:45:06 AM | 0.27 | 229 | 441 | 10 |
| 8/11/2012 3:46:06 AM | 0.28 | 229 | 442 | 10 |
| 8/11/2012 3:47:06 AM | 0.28 | 229 | 439 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 3:48:06 AM | 0.28 | 230 | 439 | 10 |
| 8/11/2012 3:49:06 AM | 0.27 | 230 | 440 | 10 |
| 8/11/2012 3:50:06 AM | 0.27 | 230 | 438 | 10 |
| 8/11/2012 3:51:06 AM | 0.27 | 230 | 438 | 10 |
| 8/11/2012 3:52:06 AM | 0.27 | 230 | 437 | 10 |
| 8/11/2012 3:53:06 AM | 0.27 | 230 | 436 | 10 |
| 8/11/2012 3:54:06 AM | 0.27 | 229 | 437 | 10 |
| 8/11/2012 3:55:06 AM | 0.28 | 230 | 434 | 10 |
| 8/11/2012 3:56:06 AM | 0.27 | 229 | 432 | 10 |
| 8/11/2012 3:57:06 AM | 0.27 | 230 | 431 | 10 |
| 8/11/2012 3:58:06 AM | 0.27 | 230 | 428 | 10 |
| 8/11/2012 3:59:06 AM | 0.27 | 231 | 428 | 10 |
| 8/11/2012 4:00:06 AM | 0.27 | 231 | 427 | 10 |
| 8/11/2012 4:01:06 AM | 0.27 | 232 | 427 | 10 |
| 8/11/2012 4:02:06 AM | 0.28 | 232 | 427 | 10 |
| 8/11/2012 4:03:06 AM | 0.27 | 232 | 427 | 10 |
| 8/11/2012 4:04:06 AM | 0.27 | 232 | 427 | 10 |
| 8/11/2012 4:05:06 AM | 0.28 | 232 | 427 | 10 |
| 8/11/2012 4:06:06 AM | 0.27 | 232 | 426 | 10 |
| 8/11/2012 4:07:06 AM | 0.28 | 233 | 427 | 10 |
| 8/11/2012 4:08:06 AM | 0.28 | 233 | 427 | 10 |
| 8/11/2012 4:09:06 AM | 0.27 | 233 | 427 | 10 |
| 8/11/2012 4:10:06 AM | 0.27 | 233 | 427 | 10 |
| 8/11/2012 4:11:06 AM | 0.27 | 233 | 427 | 10 |
| 8/11/2012 4:12:06 AM | 0.27 | 234 | 428 | 10 |
| 8/11/2012 4:13:06 AM | 0.27 | 233 | 430 | 10 |
| 8/11/2012 4:14:06 AM | 0.28 | 233 | 430 | 10 |
| 8/11/2012 4:15:06 AM | 0.27 | 233 | 431 | 10 |
| 8/11/2012 4:16:06 AM | 0.27 | 232 | 433 | 10 |
| 8/11/2012 4:17:06 AM | 0.27 | 232 | 433 | 10 |
| 8/11/2012 4:18:06 AM | 0.27 | 231 | 437 | 10 |
| 8/11/2012 4:19:06 AM | 0.27 | 231 | 437 | 10 |
| 8/11/2012 4:20:06 AM | 0.27 | 231 | 437 | 10 |
| 8/11/2012 4:21:06 AM | 0.28 | 231 | 436 | 10 |
| 8/11/2012 4:22:06 AM | 0.28 | 231 | 437 | 10 |
| 8/11/2012 4:23:06 AM | 0.27 | 231 | 437 | 9 |
| 8/11/2012 4:24:06 AM | 0.27 | 231 | 437 | 9 |
| 8/11/2012 4:25:06 AM | 0.27 | 231 | 437 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 4:26:06 AM | 0.27 | 231 | 438 | 10 |
| 8/11/2012 4:27:06 AM | 0.28 | 231 | 438 | 10 |
| 8/11/2012 4:28:06 AM | 0.27 | 231 | 437 | 10 |
| 8/11/2012 4:29:06 AM | 0.27 | 231 | 437 | 10 |
| 8/11/2012 4:30:06 AM | 0.27 | 231 | 437 | 10 |
| 8/11/2012 4:31:06 AM | 0.27 | 231 | 435 | 10 |
| 8/11/2012 4:32:06 AM | 0.27 | 231 | 433 | 10 |
| 8/11/2012 4:33:06 AM | 0.27 | 231 | 432 | 10 |
| 8/11/2012 4:34:06 AM | 0.27 | 231 | 432 | 10 |
| 8/11/2012 4:35:06 AM | 0.27 | 230 | 430 | 10 |
| 8/11/2012 4:36:06 AM | 0.28 | 230 | 428 | 10 |
| 8/11/2012 4:37:06 AM | 0.27 | 229 | 426 | 10 |
| 8/11/2012 4:38:06 AM | 0.28 | 228 | 425 | 10 |
| 8/11/2012 4:39:06 AM | 0.28 | 227 | 422 | 10 |
| 8/11/2012 4:40:06 AM | 0.28 | 226 | 420 | 10 |
| 8/11/2012 4:41:06 AM | 0.28 | 225 | 419 | 10 |
| 8/11/2012 4:42:06 AM | 0.28 | 224 | 419 | 10 |
| 8/11/2012 4:43:06 AM | 0.28 | 224 | 417 | 10 |
| 8/11/2012 4:44:06 AM | 0.28 | 222 | 415 | 10 |
| 8/11/2012 4:45:06 AM | 0.28 | 222 | 412 | 10 |
| 8/11/2012 4:46:06 AM | 0.28 | 223 | 411 | 10 |
| 8/11/2012 4:47:06 AM | 0.28 | 223 | 411 | 10 |
| 8/11/2012 4:48:06 AM | 0.28 | 223 | 409 | 10 |
| 8/11/2012 4:49:06 AM | 0.28 | 223 | 408 | 10 |
| 8/11/2012 4:50:06 AM | 0.28 | 223 | 407 | 10 |
| 8/11/2012 4:51:06 AM | 0.28 | 223 | 408 | 10 |
| 8/11/2012 4:52:06 AM | 0.28 | 222 | 407 | 10 |
| 8/11/2012 4:53:06 AM | 0.28 | 221 | 407 | 10 |
| 8/11/2012 4:54:06 AM | 0.28 | 221 | 405 | 10 |
| 8/11/2012 4:55:06 AM | 0.28 | 221 | 402 | 10 |
| 8/11/2012 4:56:06 AM | 0.28 | 221 | 403 | 10 |
| 8/11/2012 4:57:06 AM | 0.28 | 222 | 404 | 10 |
| 8/11/2012 4:58:06 AM | 0.28 | 221 | 406 | 10 |
| 8/11/2012 4:59:06 AM | 0.28 | 222 | 407 | 10 |
| 8/11/2012 5:00:06 AM | 0.28 | 223 | 407 | 10 |
| 8/11/2012 5:01:06 AM | 0.28 | 222 | 408 | 10 |
| 8/11/2012 5:02:06 AM | 0.28 | 222 | 408 | 10 |
| 8/11/2012 5:03:06 AM | 0.28 | 222 | 408 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 5:04:06 AM | 0.28 | 222 | 409 | 10 |
| 8/11/2012 5:05:06 AM | 0.28 | 222 | 410 | 10 |
| 8/11/2012 5:06:06 AM | 0.28 | 221 | 413 | 10 |
| 8/11/2012 5:07:06 AM | 0.28 | 221 | 413 | 10 |
| 8/11/2012 5:08:06 AM | 0.28 | 221 | 411 | 10 |
| 8/11/2012 5:09:06 AM | 0.28 | 220 | 412 | 10 |
| 8/11/2012 5:10:06 AM | 0.28 | 220 | 412 | 10 |
| 8/11/2012 5:11:06 AM | 0.28 | 220 | 412 | 9 |
| 8/11/2012 5:12:06 AM | 0.28 | 221 | 413 | 9 |
| 8/11/2012 5:13:06 AM | 0.28 | 221 | 412 | 10 |
| 8/11/2012 5:14:06 AM | 0.28 | 221 | 413 | 10 |
| 8/11/2012 5:15:06 AM | 0.28 | 222 | 413 | 10 |
| 8/11/2012 5:16:06 AM | 0.28 | 223 | 413 | 10 |
| 8/11/2012 5:17:06 AM | 0.28 | 222 | 412 | 10 |
| 8/11/2012 5:18:06 AM | 0.28 | 222 | 412 | 10 |
| 8/11/2012 5:19:06 AM | 0.28 | 222 | 411 | 10 |
| 8/11/2012 5:20:06 AM | 0.28 | 222 | 408 | 10 |
| 8/11/2012 5:21:06 AM | 0.28 | 222 | 407 | 10 |
| 8/11/2012 5:22:06 AM | 0.28 | 223 | 406 | 10 |
| 8/11/2012 5:23:06 AM | 0.28 | 223 | 407 | 10 |
| 8/11/2012 5:24:06 AM | 0.28 | 222 | 408 | 10 |
| 8/11/2012 5:25:06 AM | 0.28 | 223 | 410 | 10 |
| 8/11/2012 5:26:06 AM | 0.28 | 222 | 416 | 10 |
| 8/11/2012 5:27:06 AM | 0.28 | 222 | 425 | 10 |
| 8/11/2012 5:28:06 AM | 0.28 | 222 | 429 | 10 |
| 8/11/2012 5:29:06 AM | 0.28 | 220 | 432 | 10 |
| 8/11/2012 5:30:06 AM | 0.28 | 220 | 432 | 10 |
| 8/11/2012 5:31:06 AM | 0.28 | 220 | 432 | 10 |
| 8/11/2012 5:32:06 AM | 0.28 | 220 | 432 | 10 |
| 8/11/2012 5:33:06 AM | 0.28 | 221 | 433 | 10 |
| 8/11/2012 5:34:06 AM | 0.28 | 222 | 433 | 10 |
| 8/11/2012 5:35:06 AM | 0.28 | 222 | 432 | 10 |
| 8/11/2012 5:36:06 AM | 0.28 | 221 | 435 | 10 |
| 8/11/2012 5:37:06 AM | 0.28 | 220 | 432 | 10 |
| 8/11/2012 5:38:06 AM | 0.28 | 220 | 432 | 10 |
| 8/11/2012 5:39:06 AM | 0.29 | 220 | 431 | 10 |
| 8/11/2012 5:40:06 AM | 0.29 | 219 | 430 | 10 |
| 8/11/2012 5:41:06 AM | 0.28 | 219 | 431 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 5:42:06 AM | 0.28 | 218 | 430 | 10 |
| 8/11/2012 5:43:06 AM | 0.28 | 219 | 429 | 10 |
| 8/11/2012 5:44:06 AM | 0.28 | 219 | 428 | 10 |
| 8/11/2012 5:45:06 AM | 0.28 | 219 | 429 | 10 |
| 8/11/2012 5:46:06 AM | 0.28 | 219 | 429 | 10 |
| 8/11/2012 5:47:06 AM | 0.28 | 219 | 429 | 10 |
| 8/11/2012 5:48:06 AM | 0.28 | 220 | 427 | 10 |
| 8/11/2012 5:49:06 AM | 0.28 | 219 | 428 | 10 |
| 8/11/2012 5:50:06 AM | 0.28 | 219 | 428 | 10 |
| 8/11/2012 5:51:06 AM | 0.28 | 218 | 428 | 10 |
| 8/11/2012 5:52:06 AM | 0.28 | 218 | 429 | 10 |
| 8/11/2012 5:53:06 AM | 0.28 | 219 | 428 | 10 |
| 8/11/2012 5:54:06 AM | 0.28 | 218 | 428 | 10 |
| 8/11/2012 5:55:06 AM | 0.29 | 217 | 427 | 10 |
| 8/11/2012 5:56:06 AM | 0.29 | 217 | 426 | 10 |
| 8/11/2012 5:57:06 AM | 0.28 | 217 | 427 | 10 |
| 8/11/2012 5:58:06 AM | 0.29 | 218 | 424 | 10 |
| 8/11/2012 5:59:06 AM | 0.28 | 219 | 423 | 11 |
| 8/11/2012 6:00:06 AM | 0.29 | 219 | 422 | 11 |
| 8/11/2012 6:01:06 AM | 0.29 | 218 | 421 | 11 |
| 8/11/2012 6:02:06 AM | 0.29 | 219 | 421 | 11 |
| 8/11/2012 6:03:06 AM | 0.29 | 218 | 421 | 11 |
| 8/11/2012 6:04:06 AM | 0.29 | 217 | 419 | 11 |
| 8/11/2012 6:05:06 AM | 0.29 | 216 | 415 | 11 |
| 8/11/2012 6:06:06 AM | 0.29 | 216 | 416 | 11 |
| 8/11/2012 6:07:06 AM | 0.29 | 216 | 415 | 11 |
| 8/11/2012 6:08:06 AM | 0.29 | 215 | 414 | 11 |
| 8/11/2012 6:09:06 AM | 0.29 | 215 | 412 | 11 |
| 8/11/2012 6:10:06 AM | 0.28 | 216 | 413 | 11 |
| 8/11/2012 6:11:06 AM | 0.28 | 217 | 413 | 11 |
| 8/11/2012 6:12:06 AM | 0.29 | 217 | 413 | 11 |
| 8/11/2012 6:13:06 AM | 0.29 | 218 | 414 | 11 |
| 8/11/2012 6:14:06 AM | 0.29 | 217 | 413 | 11 |
| 8/11/2012 6:15:06 AM | 0.29 | 218 | 413 | 11 |
| 8/11/2012 6:16:06 AM | 0.29 | 217 | 413 | 11 |
| 8/11/2012 6:17:06 AM | 0.28 | 217 | 413 | 11 |
| 8/11/2012 6:18:06 AM | 0.29 | 218 | 414 | 11 |
| 8/11/2012 6:19:06 AM | 0.29 | 218 | 414 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 6:20:06 AM | 0.29 | 217 | 414 | 10 |
| 8/11/2012 6:21:06 AM | 0.29 | 216 | 415 | 10 |
| 8/11/2012 6:22:06 AM | 0.29 | 216 | 414 | 10 |
| 8/11/2012 6:23:06 AM | 0.29 | 216 | 413 | 10 |
| 8/11/2012 6:24:06 AM | 0.29 | 216 | 415 | 10 |
| 8/11/2012 6:25:06 AM | 0.28 | 217 | 415 | 10 |
| 8/11/2012 6:26:06 AM | 0.29 | 217 | 415 | 10 |
| 8/11/2012 6:27:06 AM | 0.29 | 217 | 417 | 10 |
| 8/11/2012 6:28:06 AM | 0.28 | 218 | 419 | 10 |
| 8/11/2012 6:29:06 AM | 0.28 | 218 | 419 | 10 |
| 8/11/2012 6:30:06 AM | 0.29 | 219 | 420 | 10 |
| 8/11/2012 6:31:06 AM | 0.28 | 219 | 420 | 10 |
| 8/11/2012 6:32:06 AM | 0.29 | 219 | 421 | 10 |
| 8/11/2012 6:33:06 AM | 0.28 | 218 | 421 | 10 |
| 8/11/2012 6:34:06 AM | 0.29 | 219 | 422 | 10 |
| 8/11/2012 6:35:06 AM | 0.29 | 219 | 420 | 10 |
| 8/11/2012 6:36:06 AM | 0.28 | 219 | 420 | 10 |
| 8/11/2012 6:37:06 AM | 0.29 | 219 | 419 | 11 |
| 8/11/2012 6:38:06 AM | 0.29 | 219 | 418 | 11 |
| 8/11/2012 6:39:06 AM | 0.29 | 219 | 417 | 11 |
| 8/11/2012 6:40:06 AM | 0.28 | 219 | 417 | 11 |
| 8/11/2012 6:41:06 AM | 0.29 | 219 | 417 | 11 |
| 8/11/2012 6:42:06 AM | 0.29 | 219 | 417 | 11 |
| 8/11/2012 6:43:06 AM | 0.28 | 220 | 417 | 11 |
| 8/11/2012 6:44:06 AM | 0.28 | 219 | 415 | 11 |
| 8/11/2012 6:45:06 AM | 0.29 | 220 | 416 | 11 |
| 8/11/2012 6:46:06 AM | 0.29 | 220 | 415 | 11 |
| 8/11/2012 6:47:06 AM | 0.29 | 220 | 414 | 11 |
| 8/11/2012 6:48:06 AM | 0.28 | 219 | 414 | 11 |
| 8/11/2012 6:49:06 AM | 0.29 | 220 | 414 | 11 |
| 8/11/2012 6:50:06 AM | 0.28 | 220 | 414 | 11 |
| 8/11/2012 6:51:06 AM | 0.28 | 220 | 413 | 11 |
| 8/11/2012 6:52:06 AM | 0.29 | 219 | 413 | 11 |
| 8/11/2012 6:53:06 AM | 0.28 | 219 | 413 | 11 |
| 8/11/2012 6:54:06 AM | 0.28 | 219 | 412 | 11 |
| 8/11/2012 6:55:06 AM | 0.28 | 219 | 412 | 11 |
| 8/11/2012 6:56:06 AM | 0.28 | 220 | 412 | 11 |
| 8/11/2012 6:57:06 AM | 0.28 | 219 | 413 | 11 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 6:58:06 AM | 0.28 | 219 | 412 | 11 |
| 8/11/2012 6:59:06 AM | 0.28 | 219 | 412 | 11 |
| 8/11/2012 7:00:06 AM | 0.28 | 220 | 413 | 11 |
| 8/11/2012 7:01:06 AM | 0.28 | 220 | 414 | 11 |
| 8/11/2012 7:02:06 AM | 0.28 | 220 | 411 | 11 |
| 8/11/2012 7:03:06 AM | 0.28 | 220 | 411 | 11 |
| 8/11/2012 7:04:06 AM | 0.28 | 221 | 410 | 11 |
| 8/11/2012 7:05:06 AM | 0.28 | 221 | 410 | 11 |
| 8/11/2012 7:06:06 AM | 0.29 | 221 | 409 | 11 |
| 8/11/2012 7:07:06 AM | 0.28 | 221 | 409 | 11 |
| 8/11/2012 7:08:06 AM | 0.28 | 221 | 409 | 11 |
| 8/11/2012 7:09:06 AM | 0.28 | 222 | 411 | 11 |
| 8/11/2012 7:10:06 AM | 0.28 | 222 | 409 | 11 |
| 8/11/2012 7:11:06 AM | 0.28 | 222 | 409 | 11 |
| 8/11/2012 7:12:06 AM | 0.28 | 221 | 411 | 11 |
| 8/11/2012 7:13:06 AM | 0.29 | 221 | 410 | 11 |
| 8/11/2012 7:14:06 AM | 0.28 | 221 | 409 | 11 |
| 8/11/2012 7:15:06 AM | 0.29 | 220 | 410 | 11 |
| 8/11/2012 7:16:06 AM | 0.29 | 219 | 408 | 11 |
| 8/11/2012 7:17:06 AM | 0.29 | 219 | 408 | 11 |
| 8/11/2012 7:18:06 AM | 0.28 | 220 | 409 | 11 |
| 8/11/2012 7:19:06 AM | 0.28 | 220 | 410 | 11 |
| 8/11/2012 7:20:06 AM | 0.28 | 220 | 414 | 11 |
| 8/11/2012 7:21:06 AM | 0.28 | 221 | 416 | 11 |
| 8/11/2012 7:22:06 AM | 0.28 | 222 | 417 | 11 |
| 8/11/2012 7:23:06 AM | 0.28 | 222 | 418 | 10 |
| 8/11/2012 7:24:06 AM | 0.28 | 223 | 418 | 10 |
| 8/11/2012 7:25:06 AM | 0.28 | 223 | 420 | 10 |
| 8/11/2012 7:26:06 AM | 0.28 | 223 | 420 | 10 |
| 8/11/2012 7:27:06 AM | 0.28 | 224 | 421 | 10 |
| 8/11/2012 7:28:06 AM | 0.28 | 225 | 424 | 10 |
| 8/11/2012 7:29:06 AM | 0.28 | 226 | 425 | 10 |
| 8/11/2012 7:30:06 AM | 0.28 | 226 | 426 | 10 |
| 8/11/2012 7:31:06 AM | 0.28 | 225 | 426 | 10 |
| 8/11/2012 7:32:06 AM | 0.28 | 223 | 425 | 10 |
| 8/11/2012 7:33:06 AM | 0.28 | 223 | 426 | 10 |
| 8/11/2012 7:34:06 AM | 0.28 | 224 | 425 | 10 |
| 8/11/2012 7:35:06 AM | 0.28 | 224 | 426 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 7:36:06 AM | 0.28 | 223 | 425 | 10 |
| 8/11/2012 7:37:06 AM | 0.28 | 222 | 423 | 11 |
| 8/11/2012 7:38:06 AM | 0.29 | 221 | 422 | 11 |
| 8/11/2012 7:39:06 AM | 0.28 | 221 | 421 | 11 |
| 8/11/2012 7:40:06 AM | 0.28 | 222 | 419 | 11 |
| 8/11/2012 7:41:06 AM | 0.29 | 222 | 419 | 11 |
| 8/11/2012 7:42:06 AM | 0.28 | 221 | 418 | 11 |
| 8/11/2012 7:43:06 AM | 0.28 | 220 | 417 | 11 |
| 8/11/2012 7:44:06 AM | 0.29 | 220 | 416 | 11 |
| 8/11/2012 7:45:06 AM | 0.29 | 220 | 414 | 11 |
| 8/11/2012 7:46:06 AM | 0.29 | 218 | 413 | 11 |
| 8/11/2012 7:47:06 AM | 0.29 | 218 | 411 | 11 |
| 8/11/2012 7:48:06 AM | 0.29 | 217 | 409 | 11 |
| 8/11/2012 7:49:06 AM | 0.28 | 217 | 408 | 11 |
| 8/11/2012 7:50:06 AM | 0.29 | 217 | 408 | 11 |
| 8/11/2012 7:51:06 AM | 0.28 | 216 | 407 | 11 |
| 8/11/2012 7:52:06 AM | 0.29 | 216 | 407 | 11 |
| 8/11/2012 7:53:06 AM | 0.29 | 216 | 406 | 11 |
| 8/11/2012 7:54:06 AM | 0.28 | 216 | 405 | 11 |
| 8/11/2012 7:55:06 AM | 0.28 | 218 | 407 | 11 |
| 8/11/2012 7:56:06 AM | 0.28 | 219 | 407 | 11 |
| 8/11/2012 7:57:06 AM | 0.28 | 220 | 408 | 11 |
| 8/11/2012 7:58:06 AM | 0.28 | 221 | 412 | 11 |
| 8/11/2012 7:59:06 AM | 0.28 | 221 | 413 | 11 |
| 8/11/2012 8:00:06 AM | 0.28 | 220 | 411 | 11 |
| 8/11/2012 8:01:06 AM | 0.29 | 221 | 413 | 11 |
| 8/11/2012 8:02:06 AM | 0.28 | 222 | 415 | 10 |
| 8/11/2012 8:03:06 AM | 0.28 | 220 | 416 | 10 |
| 8/11/2012 8:04:06 AM | 0.28 | 220 | 417 | 10 |
| 8/11/2012 8:05:06 AM | 0.28 | 219 | 417 | 10 |
| 8/11/2012 8:06:06 AM | 0.28 | 219 | 417 | 10 |
| 8/11/2012 8:07:06 AM | 0.28 | 220 | 417 | 10 |
| 8/11/2012 8:08:06 AM | 0.28 | 220 | 417 | 10 |
| 8/11/2012 8:09:06 AM | 0.28 | 220 | 418 | 10 |
| 8/11/2012 8:10:06 AM | 0.29 | 219 | 418 | 10 |
| 8/11/2012 8:11:06 AM | 0.29 | 218 | 418 | 10 |
| 8/11/2012 8:12:06 AM | 0.28 | 218 | 417 | 10 |
| 8/11/2012 8:13:06 AM | 0.29 | 218 | 417 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 8:14:06 AM | 0.28 | 217 | 417 | 10 |
| 8/11/2012 8:15:06 AM | 0.28 | 218 | 416 | 10 |
| 8/11/2012 8:16:06 AM | 0.28 | 219 | 417 | 11 |
| 8/11/2012 8:17:06 AM | 0.28 | 219 | 416 | 11 |
| 8/11/2012 8:18:06 AM | 0.29 | 219 | 414 | 11 |
| 8/11/2012 8:19:06 AM | 0.29 | 219 | 414 | 11 |
| 8/11/2012 8:20:06 AM | 0.28 | 219 | 413 | 11 |
| 8/11/2012 8:21:06 AM | 0.29 | 219 | 412 | 11 |
| 8/11/2012 8:22:06 AM | 0.28 | 219 | 413 | 11 |
| 8/11/2012 8:23:06 AM | 0.28 | 220 | 414 | 10 |
| 8/11/2012 8:24:06 AM | 0.29 | 220 | 412 | 10 |
| 8/11/2012 8:25:06 AM | 0.28 | 219 | 412 | 10 |
| 8/11/2012 8:26:06 AM | 0.28 | 219 | 411 | 10 |
| 8/11/2012 8:27:06 AM | 0.29 | 219 | 411 | 10 |
| 8/11/2012 8:28:06 AM | 0.29 | 218 | 410 | 10 |
| 8/11/2012 8:29:06 AM | 0.29 | 216 | 408 | 10 |
| 8/11/2012 8:30:06 AM | 0.29 | 216 | 408 | 10 |
| 8/11/2012 8:31:06 AM | 0.28 | 216 | 407 | 10 |
| 8/11/2012 8:32:06 AM | 0.28 | 217 | 407 | 10 |
| 8/11/2012 8:33:06 AM | 0.28 | 218 | 408 | 10 |
| 8/11/2012 8:34:06 AM | 0.28 | 219 | 407 | 10 |
| 8/11/2012 8:35:06 AM | 0.29 | 218 | 407 | 10 |
| 8/11/2012 8:36:06 AM | 0.28 | 217 | 406 | 10 |
| 8/11/2012 8:37:06 AM | 0.28 | 218 | 406 | 10 |
| 8/11/2012 8:38:06 AM | 0.29 | 218 | 404 | 10 |
| 8/11/2012 8:39:06 AM | 0.29 | 217 | 404 | 10 |
| 8/11/2012 8:40:06 AM | 0.28 | 217 | 405 | 10 |
| 8/11/2012 8:41:06 AM | 0.29 | 218 | 404 | 10 |
| 8/11/2012 8:42:06 AM | 0.28 | 218 | 404 | 10 |
| 8/11/2012 8:43:06 AM | 0.28 | 219 | 404 | 10 |
| 8/11/2012 8:44:06 AM | 0.28 | 219 | 407 | 10 |
| 8/11/2012 8:45:06 AM | 0.29 | 220 | 408 | 10 |
| 8/11/2012 8:46:06 AM | 0.28 | 221 | 411 | 10 |
| 8/11/2012 8:47:06 AM | 0.28 | 221 | 411 | 10 |
| 8/11/2012 8:48:06 AM | 0.28 | 221 | 414 | 10 |
| 8/11/2012 8:49:06 AM | 0.28 | 221 | 415 | 10 |
| 8/11/2012 8:50:06 AM | 0.28 | 221 | 417 | 10 |
| 8/11/2012 8:51:06 AM | 0.28 | 221 | 417 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 8:52:06 AM | 0.28 | 221 | 417 | 10 |
| 8/11/2012 8:53:06 AM | 0.28 | 221 | 418 | 10 |
| 8/11/2012 8:54:06 AM | 0.28 | 220 | 422 | 10 |
| 8/11/2012 8:55:06 AM | 0.28 | 220 | 421 | 10 |
| 8/11/2012 8:56:06 AM | 0.28 | 221 | 422 | 10 |
| 8/11/2012 8:57:06 AM | 0.28 | 221 | 422 | 10 |
| 8/11/2012 8:58:06 AM | 0.29 | 221 | 421 | 10 |
| 8/11/2012 8:59:06 AM | 0.28 | 221 | 420 | 10 |
| 8/11/2012 9:00:06 AM | 0.28 | 221 | 419 | 10 |
| 8/11/2012 9:01:06 AM | 0.29 | 221 | 417 | 10 |
| 8/11/2012 9:02:06 AM | 0.29 | 222 | 417 | 10 |
| 8/11/2012 9:03:06 AM | 0.28 | 222 | 416 | 10 |
| 8/11/2012 9:04:06 AM | 0.29 | 222 | 414 | 10 |
| 8/11/2012 9:05:06 AM | 0.28 | 221 | 415 | 10 |
| 8/11/2012 9:06:06 AM | 0.28 | 220 | 414 | 10 |
| 8/11/2012 9:07:06 AM | 0.28 | 221 | 412 | 10 |
| 8/11/2012 9:08:06 AM | 0.29 | 221 | 412 | 10 |
| 8/11/2012 9:09:06 AM | 0.29 | 221 | 411 | 10 |
| 8/11/2012 9:10:06 AM | 0.28 | 221 | 411 | 10 |
| 8/11/2012 9:11:06 AM | 0.29 | 222 | 410 | 10 |
| 8/11/2012 9:12:06 AM | 0.29 | 223 | 409 | 10 |
| 8/11/2012 9:13:06 AM | 0.28 | 223 | 409 | 10 |
| 8/11/2012 9:14:06 AM | 0.28 | 223 | 410 | 10 |
| 8/11/2012 9:15:06 AM | 0.28 | 223 | 409 | 10 |
| 8/11/2012 9:16:06 AM | 0.28 | 223 | 407 | 10 |
| 8/11/2012 9:17:06 AM | 0.28 | 224 | 407 | 10 |
| 8/11/2012 9:18:06 AM | 0.28 | 225 | 408 | 10 |
| 8/11/2012 9:19:06 AM | 0.28 | 226 | 411 | 10 |
| 8/11/2012 9:20:06 AM | 0.28 | 226 | 412 | 10 |
| 8/11/2012 9:21:06 AM | 0.28 | 227 | 413 | 10 |
| 8/11/2012 9:22:06 AM | 0.27 | 227 | 415 | 10 |
| 8/11/2012 9:23:06 AM | 0.28 | 228 | 416 | 10 |
| 8/11/2012 9:24:06 AM | 0.28 | 229 | 417 | 10 |
| 8/11/2012 9:25:06 AM | 0.28 | 229 | 417 | 10 |
| 8/11/2012 9:26:06 AM | 0.27 | 230 | 417 | 10 |
| 8/11/2012 9:27:06 AM | 0.28 | 230 | 417 | 10 |
| 8/11/2012 9:28:06 AM | 0.27 | 232 | 418 | 10 |
| 8/11/2012 9:29:06 AM | 0.27 | 233 | 419 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 9:30:06 AM | 0.27 | 234 | 422 | 10 |
| 8/11/2012 9:31:06 AM | 0.27 | 234 | 424 | 10 |
| 8/11/2012 9:32:06 AM | 0.27 | 233 | 426 | 10 |
| 8/11/2012 9:33:06 AM | 0.28 | 232 | 425 | 10 |
| 8/11/2012 9:34:06 AM | 0.27 | 232 | 425 | 10 |
| 8/11/2012 9:35:06 AM | 0.28 | 232 | 423 | 10 |
| 8/11/2012 9:36:06 AM | 0.28 | 232 | 424 | 10 |
| 8/11/2012 9:37:06 AM | 0.27 | 233 | 424 | 10 |
| 8/11/2012 9:38:06 AM | 0.28 | 234 | 424 | 10 |
| 8/11/2012 9:39:06 AM | 0.28 | 233 | 422 | 10 |
| 8/11/2012 9:40:06 AM | 0.27 | 233 | 422 | 10 |
| 8/11/2012 9:41:06 AM | 0.27 | 232 | 421 | 10 |
| 8/11/2012 9:42:06 AM | 0.28 | 231 | 418 | 10 |
| 8/11/2012 9:43:06 AM | 0.28 | 232 | 417 | 10 |
| 8/11/2012 9:44:06 AM | 0.28 | 232 | 415 | 10 |
| 8/11/2012 9:45:06 AM | 0.27 | 232 | 416 | 10 |
| 8/11/2012 9:46:06 AM | 0.28 | 231 | 416 | 10 |
| 8/11/2012 9:47:06 AM | 0.27 | 231 | 416 | 9 |
| 8/11/2012 9:48:06 AM | 0.27 | 232 | 415 | 9 |
| 8/11/2012 9:49:06 AM | 0.27 | 232 | 417 | 9 |
| 8/11/2012 9:50:06 AM | 0.27 | 232 | 419 | 9 |
| 8/11/2012 9:51:06 AM | 0.28 | 232 | 418 | 9 |
| 8/11/2012 9:52:06 AM | 0.28 | 233 | 420 | 9 |
| 8/11/2012 9:53:06 AM | 0.28 | 233 | 421 | 9 |
| 8/11/2012 9:54:06 AM | 0.27 | 231 | 422 | 9 |
| 8/11/2012 9:55:06 AM | 0.27 | 231 | 423 | 9 |
| 8/11/2012 9:56:06 AM | 0.28 | 231 | 422 | 9 |
| 8/11/2012 9:57:06 AM | 0.27 | 231 | 423 | 9 |
| 8/11/2012 9:58:06 AM | 0.27 | 232 | 425 | 9 |
| 8/11/2012 9:59:06 AM | 0.27 | 233 | 428 | 9 |
| 8/11/2012 10:00:06 AM | 0.27 | 233 | 426 | 9 |
| 8/11/2012 10:01:06 AM | 0.27 | 233 | 427 | 9 |
| 8/11/2012 10:02:06 AM | 0.27 | 234 | 427 | 9 |
| 8/11/2012 10:03:06 AM | 0.28 | 234 | 429 | 9 |
| 8/11/2012 10:04:06 AM | 0.27 | 234 | 427 | 9 |
| 8/11/2012 10:05:06 AM | 0.27 | 235 | 428 | 9 |
| 8/11/2012 10:06:06 AM | 0.27 | 235 | 427 | 9 |
| 8/11/2012 10:07:06 AM | 0.27 | 235 | 426 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 10:08:06 AM | 0.27 | 236 | 427 | 9 |
| 8/11/2012 10:09:06 AM | 0.28 | 235 | 427 | 9 |
| 8/11/2012 10:10:06 AM | 0.27 | 233 | 427 | 9 |
| 8/11/2012 10:11:06 AM | 0.27 | 232 | 426 | 9 |
| 8/11/2012 10:12:06 AM | 0.27 | 232 | 425 | 9 |
| 8/11/2012 10:13:06 AM | 0.27 | 232 | 424 | 9 |
| 8/11/2012 10:14:06 AM | 0.27 | 232 | 425 | 9 |
| 8/11/2012 10:15:06 AM | 0.27 | 233 | 425 | 9 |
| 8/11/2012 10:16:06 AM | 0.27 | 234 | 428 | 9 |
| 8/11/2012 10:17:06 AM | 0.27 | 234 | 428 | 9 |
| 8/11/2012 10:18:06 AM | 0.27 | 234 | 428 | 9 |
| 8/11/2012 10:19:06 AM | 0.27 | 234 | 428 | 10 |
| 8/11/2012 10:20:06 AM | 0.27 | 234 | 429 | 10 |
| 8/11/2012 10:21:06 AM | 0.27 | 235 | 428 | 10 |
| 8/11/2012 10:22:06 AM | 0.27 | 235 | 427 | 10 |
| 8/11/2012 10:23:06 AM | 0.27 | 235 | 427 | 9 |
| 8/11/2012 10:24:06 AM | 0.27 | 236 | 427 | 9 |
| 8/11/2012 10:25:06 AM | 0.27 | 235 | 425 | 9 |
| 8/11/2012 10:26:06 AM | 0.27 | 235 | 425 | 9 |
| 8/11/2012 10:27:06 AM | 0.27 | 235 | 424 | 9 |
| 8/11/2012 10:28:06 AM | 0.27 | 235 | 423 | 9 |
| 8/11/2012 10:29:06 AM | 0.27 | 236 | 423 | 9 |
| 8/11/2012 10:30:06 AM | 0.28 | 236 | 423 | 9 |
| 8/11/2012 10:31:06 AM | 0.27 | 236 | 423 | 9 |
| 8/11/2012 10:32:06 AM | 0.27 | 236 | 422 | 9 |
| 8/11/2012 10:33:06 AM | 0.28 | 236 | 423 | 9 |
| 8/11/2012 10:34:06 AM | 0.27 | 236 | 423 | 9 |
| 8/11/2012 10:35:06 AM | 0.27 | 236 | 423 | 9 |
| 8/11/2012 10:36:06 AM | 0.27 | 236 | 423 | 9 |
| 8/11/2012 10:37:06 AM | 0.27 | 236 | 423 | 9 |
| 8/11/2012 10:38:06 AM | 0.27 | 237 | 422 | 9 |
| 8/11/2012 10:39:06 AM | 0.27 | 236 | 421 | 9 |
| 8/11/2012 10:40:06 AM | 0.27 | 236 | 422 | 9 |
| 8/11/2012 10:41:06 AM | 0.27 | 236 | 422 | 9 |
| 8/11/2012 10:42:06 AM | 0.27 | 235 | 422 | 9 |
| 8/11/2012 10:43:06 AM | 0.27 | 235 | 420 | 9 |
| 8/11/2012 10:44:06 AM | 0.27 | 235 | 420 | 9 |
| 8/11/2012 10:45:06 AM | 0.27 | 235 | 419 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 10:46:06 AM | 0.27 | 236 | 418 | 9 |
| 8/11/2012 10:47:06 AM | 0.27 | 236 | 420 | 9 |
| 8/11/2012 10:48:06 AM | 0.27 | 236 | 423 | 9 |
| 8/11/2012 10:49:06 AM | 0.27 | 236 | 421 | 9 |
| 8/11/2012 10:50:06 AM | 0.27 | 236 | 422 | 9 |
| 8/11/2012 10:51:06 AM | 0.27 | 236 | 421 | 9 |
| 8/11/2012 10:52:06 AM | 0.27 | 236 | 422 | 9 |
| 8/11/2012 10:53:06 AM | 0.27 | 236 | 422 | 9 |
| 8/11/2012 10:54:06 AM | 0.27 | 236 | 422 | 9 |
| 8/11/2012 10:55:06 AM | 0.27 | 236 | 422 | 9 |
| 8/11/2012 10:56:06 AM | 0.27 | 236 | 422 | 9 |
| 8/11/2012 10:57:06 AM | 0.27 | 235 | 424 | 9 |
| 8/11/2012 10:58:06 AM | 0.27 | 235 | 426 | 9 |
| 8/11/2012 10:59:06 AM | 0.27 | 235 | 428 | 9 |
| 8/11/2012 11:00:06 AM | 0.27 | 235 | 427 | 9 |
| 8/11/2012 11:01:06 AM | 0.27 | 234 | 428 | 9 |
| 8/11/2012 11:02:06 AM | 0.28 | 233 | 428 | 9 |
| 8/11/2012 11:03:06 AM | 0.28 | 233 | 428 | 9 |
| 8/11/2012 11:04:06 AM | 0.27 | 232 | 429 | 9 |
| 8/11/2012 11:05:06 AM | 0.27 | 232 | 428 | 9 |
| 8/11/2012 11:06:06 AM | 0.27 | 232 | 427 | 9 |
| 8/11/2012 11:07:06 AM | 0.27 | 232 | 429 | 9 |
| 8/11/2012 11:08:06 AM | 0.28 | 231 | 428 | 9 |
| 8/11/2012 11:09:06 AM | 0.27 | 231 | 426 | 9 |
| 8/11/2012 11:10:06 AM | 0.27 | 231 | 425 | 9 |
| 8/11/2012 11:11:06 AM | 0.27 | 231 | 426 | 10 |
| 8/11/2012 11:12:06 AM | 0.27 | 231 | 425 | 10 |
| 8/11/2012 11:13:06 AM | 0.27 | 231 | 423 | 10 |
| 8/11/2012 11:14:06 AM | 0.27 | 230 | 423 | 9 |
| 8/11/2012 11:15:06 AM | 0.27 | 231 | 423 | 9 |
| 8/11/2012 11:16:06 AM | 0.28 | 231 | 423 | 10 |
| 8/11/2012 11:17:06 AM | 0.27 | 231 | 422 | 10 |
| 8/11/2012 11:18:06 AM | 0.28 | 232 | 421 | 10 |
| 8/11/2012 11:19:06 AM | 0.27 | 231 | 421 | 9 |
| 8/11/2012 11:20:06 AM | 0.28 | 232 | 420 | 9 |
| 8/11/2012 11:21:06 AM | 0.28 | 231 | 420 | 9 |
| 8/11/2012 11:22:06 AM | 0.28 | 231 | 419 | 9 |
| 8/11/2012 11:23:06 AM | 0.28 | 231 | 419 | 10 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 11:24:06 AM | 0.27 | 231 | 419 | 10 |
| 8/11/2012 11:25:06 AM | 0.28 | 231 | 419 | 9 |
| 8/11/2012 11:26:06 AM | 0.28 | 230 | 420 | 9 |
| 8/11/2012 11:27:06 AM | 0.28 | 229 | 419 | 9 |
| 8/11/2012 11:28:06 AM | 0.28 | 228 | 418 | 9 |
| 8/11/2012 11:29:06 AM | 0.28 | 226 | 418 | 9 |
| 8/11/2012 11:30:06 AM | 0.28 | 225 | 417 | 9 |
| 8/11/2012 11:31:06 AM | 0.29 | 225 | 416 | 9 |
| 8/11/2012 11:32:06 AM | 0.28 | 224 | 414 | 9 |
| 8/11/2012 11:33:06 AM | 0.28 | 224 | 413 | 9 |
| 8/11/2012 11:34:06 AM | 0.28 | 224 | 413 | 9 |
| 8/11/2012 11:35:06 AM | 0.28 | 224 | 413 | 9 |
| 8/11/2012 11:36:06 AM | 0.28 | 223 | 413 | 9 |
| 8/11/2012 11:37:06 AM | 0.28 | 223 | 413 | 9 |
| 8/11/2012 11:38:06 AM | 0.28 | 223 | 412 | 9 |
| 8/11/2012 11:39:06 AM | 0.28 | 223 | 412 | 9 |
| 8/11/2012 11:40:06 AM | 0.28 | 224 | 411 | 9 |
| 8/11/2012 11:41:06 AM | 0.28 | 224 | 410 | 9 |
| 8/11/2012 11:42:06 AM | 0.28 | 225 | 408 | 9 |
| 8/11/2012 11:43:06 AM | 0.28 | 225 | 408 | 9 |
| 8/11/2012 11:44:06 AM | 0.28 | 224 | 408 | 9 |
| 8/11/2012 11:45:06 AM | 0.28 | 224 | 407 | 9 |
| 8/11/2012 11:46:06 AM | 0.28 | 224 | 407 | 9 |
| 8/11/2012 11:47:06 AM | 0.29 | 223 | 407 | 9 |
| 8/11/2012 11:48:06 AM | 0.29 | 223 | 407 | 9 |
| 8/11/2012 11:49:06 AM | 0.29 | 223 | 406 | 9 |
| 8/11/2012 11:50:06 AM | 0.28 | 224 | 405 | 9 |
| 8/11/2012 11:51:06 AM | 0.28 | 226 | 407 | 9 |
| 8/11/2012 11:52:06 AM | 0.28 | 226 | 408 | 9 |
| 8/11/2012 11:53:06 AM | 0.28 | 227 | 407 | 9 |
| 8/11/2012 11:54:06 AM | 0.28 | 228 | 407 | 9 |
| 8/11/2012 11:55:06 AM | 0.28 | 229 | 408 | 9 |
| 8/11/2012 11:56:06 AM | 0.28 | 229 | 409 | 9 |
| 8/11/2012 11:57:06 AM | 0.28 | 229 | 412 | 9 |
| 8/11/2012 11:58:06 AM | 0.27 | 230 | 410 | 9 |
| 8/11/2012 11:59:06 AM | 0.27 | 232 | 412 | 9 |
| 8/11/2012 12:00:06 PM | 0.28 | 231 | 411 | 9 |
| 8/11/2012 12:01:06 PM | 0.28 | 231 | 412 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 12:02:06 PM | 0.28 | 231 | 412 | 9 |
| 8/11/2012 12:03:06 PM | 0.28 | 231 | 412 | 9 |
| 8/11/2012 12:04:06 PM | 0.28 | 230 | 411 | 9 |
| 8/11/2012 12:05:06 PM | 0.27 | 230 | 412 | 9 |
| 8/11/2012 12:06:06 PM | 0.28 | 230 | 412 | 9 |
| 8/11/2012 12:07:06 PM | 0.27 | 229 | 411 | 9 |
| 8/11/2012 12:08:06 PM | 0.28 | 229 | 410 | 9 |
| 8/11/2012 12:09:06 PM | 0.28 | 229 | 410 | 9 |
| 8/11/2012 12:10:06 PM | 0.27 | 229 | 408 | 9 |
| 8/11/2012 12:11:06 PM | 0.28 | 230 | 407 | 9 |
| 8/11/2012 12:12:06 PM | 0.28 | 230 | 409 | 9 |
| 8/11/2012 12:13:06 PM | 0.28 | 231 | 408 | 9 |
| 8/11/2012 12:14:06 PM | 0.27 | 231 | 408 | 9 |
| 8/11/2012 12:15:06 PM | 0.27 | 232 | 410 | 9 |
| 8/11/2012 12:16:06 PM | 0.27 | 231 | 411 | 9 |
| 8/11/2012 12:17:06 PM | 0.28 | 231 | 410 | 9 |
| 8/11/2012 12:18:06 PM | 0.27 | 231 | 408 | 9 |
| 8/11/2012 12:19:06 PM | 0.28 | 232 | 409 | 9 |
| 8/11/2012 12:20:06 PM | 0.28 | 233 | 408 | 9 |
| 8/11/2012 12:21:06 PM | 0.27 | 234 | 410 | 9 |
| 8/11/2012 12:22:06 PM | 0.27 | 234 | 411 | 9 |
| 8/11/2012 12:23:06 PM | 0.27 | 234 | 410 | 9 |
| 8/11/2012 12:24:06 PM | 0.27 | 234 | 411 | 9 |
| 8/11/2012 12:25:06 PM | 0.27 | 234 | 411 | 9 |
| 8/11/2012 12:26:06 PM | 0.27 | 234 | 412 | 9 |
| 8/11/2012 12:27:06 PM | 0.27 | 234 | 413 | 9 |
| 8/11/2012 12:28:06 PM | 0.27 | 234 | 415 | 9 |
| 8/11/2012 12:29:06 PM | 0.27 | 233 | 415 | 9 |
| 8/11/2012 12:30:06 PM | 0.28 | 231 | 412 | 9 |
| 8/11/2012 12:31:06 PM | 0.28 | 230 | 412 | 9 |
| 8/11/2012 12:32:06 PM | 0.28 | 229 | 411 | 9 |
| 8/11/2012 12:33:06 PM | 0.28 | 228 | 409 | 9 |
| 8/11/2012 12:34:06 PM | 0.28 | 228 | 408 | 9 |
| 8/11/2012 12:35:06 PM | 0.27 | 229 | 406 | 9 |
| 8/11/2012 12:36:06 PM | 0.28 | 230 | 406 | 9 |
| 8/11/2012 12:37:06 PM | 0.27 | 230 | 406 | 9 |
| 8/11/2012 12:38:06 PM | 0.27 | 231 | 405 | 9 |
| 8/11/2012 12:39:06 PM | 0.27 | 232 | 406 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 12:40:06 PM | 0.28 | 231 | 407 | 9 |
| 8/11/2012 12:41:06 PM | 0.27 | 231 | 408 | 9 |
| 8/11/2012 12:42:06 PM | 0.27 | 232 | 408 | 9 |
| 8/11/2012 12:43:06 PM | 0.28 | 232 | 407 | 9 |
| 8/11/2012 12:44:06 PM | 0.27 | 232 | 407 | 9 |
| 8/11/2012 12:45:06 PM | 0.28 | 232 | 408 | 9 |
| 8/11/2012 12:46:06 PM | 0.28 | 232 | 407 | 9 |
| 8/11/2012 12:47:06 PM | 0.27 | 232 | 409 | 9 |
| 8/11/2012 12:48:06 PM | 0.27 | 231 | 408 | 9 |
| 8/11/2012 12:49:06 PM | 0.29 | 230 | 407 | 9 |
| 8/11/2012 12:50:06 PM | 0.29 | 227 | 406 | 9 |
| 8/11/2012 12:51:06 PM | 0.29 | 225 | 403 | 9 |
| 8/11/2012 12:52:06 PM | 0.29 | 224 | 402 | 9 |
| 8/11/2012 12:53:06 PM | 0.29 | 223 | 400 | 9 |
| 8/11/2012 12:54:06 PM | 0.29 | 223 | 399 | 9 |
| 8/11/2012 12:55:06 PM | 0.29 | 224 | 398 | 9 |
| 8/11/2012 12:56:06 PM | 0.29 | 224 | 398 | 9 |
| 8/11/2012 12:57:06 PM | 0.28 | 223 | 398 | 9 |
| 8/11/2012 12:58:06 PM | 0.29 | 224 | 397 | 9 |
| 8/11/2012 12:59:06 PM | 0.28 | 224 | 397 | 9 |
| 8/11/2012 1:00:06 PM | 0.28 | 224 | 398 | 9 |
| 8/11/2012 1:01:06 PM | 0.28 | 225 | 398 | 9 |
| 8/11/2012 1:02:06 PM | 0.28 | 226 | 398 | 9 |
| 8/11/2012 1:03:06 PM | 0.28 | 228 | 399 | 9 |
| 8/11/2012 1:04:06 PM | 0.28 | 229 | 401 | 8 |
| 8/11/2012 1:05:06 PM | 0.28 | 230 | 401 | 8 |
| 8/11/2012 1:06:06 PM | 0.28 | 230 | 403 | 8 |
| 8/11/2012 1:07:06 PM | 0.28 | 230 | 403 | 8 |
| 8/11/2012 1:08:06 PM | 0.28 | 231 | 404 | 8 |
| 8/11/2012 1:09:06 PM | 0.27 | 231 | 407 | 8 |
| 8/11/2012 1:10:06 PM | 0.28 | 231 | 408 | 8 |
| 8/11/2012 1:11:06 PM | 0.27 | 232 | 407 | 8 |
| 8/11/2012 1:12:06 PM | 0.28 | 232 | 407 | 8 |
| 8/11/2012 1:13:06 PM | 0.27 | 232 | 407 | 8 |
| 8/11/2012 1:14:06 PM | 0.27 | 233 | 407 | 8 |
| 8/11/2012 1:15:06 PM | 0.27 | 233 | 407 | 8 |
| 8/11/2012 1:16:06 PM | 0.27 | 233 | 407 | 8 |
| 8/11/2012 1:17:06 PM | 0.28 | 234 | 407 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 1:18:06 PM | 0.27 | 233 | 408 | 8 |
| 8/11/2012 1:19:06 PM | 0.27 | 233 | 408 | 8 |
| 8/11/2012 1:20:06 PM | 0.27 | 233 | 408 | 8 |
| 8/11/2012 1:21:06 PM | 0.27 | 233 | 407 | 8 |
| 8/11/2012 1:22:06 PM | 0.27 | 232 | 408 | 8 |
| 8/11/2012 1:23:06 PM | 0.28 | 231 | 407 | 8 |
| 8/11/2012 1:24:06 PM | 0.28 | 230 | 406 | 8 |
| 8/11/2012 1:25:06 PM | 0.28 | 229 | 405 | 8 |
| 8/11/2012 1:26:06 PM | 0.28 | 228 | 403 | 8 |
| 8/11/2012 1:27:06 PM | 0.28 | 227 | 402 | 8 |
| 8/11/2012 1:28:06 PM | 0.28 | 227 | 402 | 8 |
| 8/11/2012 1:29:06 PM | 0.28 | 226 | 400 | 8 |
| 8/11/2012 1:30:06 PM | 0.28 | 227 | 400 | 8 |
| 8/11/2012 1:31:06 PM | 0.29 | 227 | 398 | 8 |
| 8/11/2012 1:32:06 PM | 0.28 | 226 | 401 | 8 |
| 8/11/2012 1:33:06 PM | 0.28 | 226 | 399 | 8 |
| 8/11/2012 1:34:06 PM | 0.28 | 227 | 400 | 8 |
| 8/11/2012 1:35:06 PM | 0.28 | 228 | 399 | 8 |
| 8/11/2012 1:36:06 PM | 0.27 | 229 | 398 | 8 |
| 8/11/2012 1:37:06 PM | 0.28 | 230 | 400 | 8 |
| 8/11/2012 1:38:06 PM | 0.28 | 230 | 399 | 8 |
| 8/11/2012 1:39:06 PM | 0.28 | 231 | 399 | 8 |
| 8/11/2012 1:40:06 PM | 0.27 | 232 | 402 | 8 |
| 8/11/2012 1:41:06 PM | 0.28 | 234 | 402 | 8 |
| 8/11/2012 1:42:06 PM | 0.28 | 235 | 403 | 8 |
| 8/11/2012 1:43:06 PM | 0.28 | 237 | 404 | 8 |
| 8/11/2012 1:44:06 PM | 0.28 | 236 | 405 | 8 |
| 8/11/2012 1:45:06 PM | 0.28 | 235 | 408 | 8 |
| 8/11/2012 1:46:06 PM | 0.28 | 233 | 407 | 8 |
| 8/11/2012 1:47:06 PM | 0.28 | 232 | 404 | 8 |
| 8/11/2012 1:48:06 PM | 0.28 | 233 | 403 | 8 |
| 8/11/2012 1:49:06 PM | 0.28 | 234 | 403 | 8 |
| 8/11/2012 1:50:06 PM | 0.28 | 234 | 404 | 8 |
| 8/11/2012 1:51:06 PM | 0.28 | 233 | 405 | 8 |
| 8/11/2012 1:52:06 PM | 0.28 | 231 | 405 | 8 |
| 8/11/2012 1:53:06 PM | 0.28 | 230 | 402 | 8 |
| 8/11/2012 1:54:06 PM | 0.28 | 229 | 402 | 8 |
| 8/11/2012 1:55:06 PM | 0.28 | 229 | 400 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 1:56:06 PM | 0.28 | 228 | 399 | 8 |
| 8/11/2012 1:57:06 PM | 0.28 | 228 | 400 | 8 |
| 8/11/2012 1:58:06 PM | 0.28 | 228 | 400 | 8 |
| 8/11/2012 1:59:06 PM | 0.28 | 228 | 400 | 8 |
| 8/11/2012 2:00:06 PM | 0.28 | 228 | 398 | 8 |
| 8/11/2012 2:01:06 PM | 0.28 | 228 | 398 | 8 |
| 8/11/2012 2:02:06 PM | 0.29 | 227 | 398 | 8 |
| 8/11/2012 2:03:06 PM | 0.28 | 226 | 396 | 8 |
| 8/11/2012 2:04:06 PM | 0.28 | 226 | 395 | 8 |
| 8/11/2012 2:05:06 PM | 0.28 | 227 | 395 | 8 |
| 8/11/2012 2:06:06 PM | 0.28 | 228 | 395 | 8 |
| 8/11/2012 2:07:06 PM | 0.28 | 228 | 397 | 8 |
| 8/11/2012 2:08:06 PM | 0.28 | 229 | 396 | 8 |
| 8/11/2012 2:09:06 PM | 0.28 | 231 | 396 | 8 |
| 8/11/2012 2:10:06 PM | 0.28 | 232 | 399 | 8 |
| 8/11/2012 2:11:06 PM | 0.28 | 234 | 398 | 8 |
| 8/11/2012 2:12:06 PM | 0.28 | 234 | 399 | 8 |
| 8/11/2012 2:13:06 PM | 0.28 | 234 | 400 | 8 |
| 8/11/2012 2:14:06 PM | 0.28 | 235 | 402 | 8 |
| 8/11/2012 2:15:06 PM | 0.28 | 234 | 402 | 8 |
| 8/11/2012 2:16:06 PM | 0.28 | 233 | 402 | 8 |
| 8/11/2012 2:17:06 PM | 0.28 | 234 | 401 | 8 |
| 8/11/2012 2:18:06 PM | 0.27 | 235 | 400 | 8 |
| 8/11/2012 2:19:06 PM | 0.27 | 236 | 400 | 8 |
| 8/11/2012 2:20:06 PM | 0.28 | 236 | 402 | 8 |
| 8/11/2012 2:21:06 PM | 0.28 | 236 | 402 | 8 |
| 8/11/2012 2:22:06 PM | 0.27 | 235 | 402 | 8 |
| 8/11/2012 2:23:06 PM | 0.27 | 236 | 402 | 8 |
| 8/11/2012 2:24:06 PM | 0.27 | 237 | 403 | 8 |
| 8/11/2012 2:25:06 PM | 0.27 | 237 | 403 | 8 |
| 8/11/2012 2:26:06 PM | 0.27 | 237 | 403 | 8 |
| 8/11/2012 2:27:06 PM | 0.28 | 236 | 405 | 8 |
| 8/11/2012 2:28:06 PM | 0.28 | 234 | 406 | 8 |
| 8/11/2012 2:29:06 PM | 0.27 | 234 | 405 | 8 |
| 8/11/2012 2:30:06 PM | 0.27 | 234 | 404 | 8 |
| 8/11/2012 2:31:06 PM | 0.27 | 234 | 406 | 8 |
| 8/11/2012 2:32:06 PM | 0.27 | 234 | 405 | 8 |
| 8/11/2012 2:33:06 PM | 0.27 | 233 | 405 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 2:34:06 PM | 0.27 | 234 | 407 | 8 |
| 8/11/2012 2:35:06 PM | 0.27 | 234 | 407 | 8 |
| 8/11/2012 2:36:06 PM | 0.27 | 234 | 407 | 8 |
| 8/11/2012 2:37:06 PM | 0.27 | 235 | 408 | 8 |
| 8/11/2012 2:38:06 PM | 0.27 | 235 | 408 | 8 |
| 8/11/2012 2:39:06 PM | 0.27 | 235 | 408 | 8 |
| 8/11/2012 2:40:06 PM | 0.27 | 235 | 407 | 8 |
| 8/11/2012 2:41:06 PM | 0.28 | 234 | 408 | 8 |
| 8/11/2012 2:42:06 PM | 0.28 | 233 | 407 | 8 |
| 8/11/2012 2:43:06 PM | 0.28 | 233 | 407 | 8 |
| 8/11/2012 2:44:06 PM | 0.28 | 232 | 407 | 8 |
| 8/11/2012 2:45:06 PM | 0.28 | 232 | 407 | 8 |
| 8/11/2012 2:46:06 PM | 0.28 | 233 | 406 | 8 |
| 8/11/2012 2:47:06 PM | 0.28 | 233 | 406 | 8 |
| 8/11/2012 2:48:06 PM | 0.28 | 234 | 407 | 8 |
| 8/11/2012 2:49:06 PM | 0.28 | 235 | 407 | 8 |
| 8/11/2012 2:50:06 PM | 0.27 | 235 | 407 | 8 |
| 8/11/2012 2:51:06 PM | 0.28 | 236 | 409 | 8 |
| 8/11/2012 2:52:06 PM | 0.28 | 236 | 411 | 8 |
| 8/11/2012 2:53:06 PM | 0.27 | 236 | 411 | 8 |
| 8/11/2012 2:54:06 PM | 0.27 | 237 | 411 | 8 |
| 8/11/2012 2:55:06 PM | 0.27 | 237 | 412 | 8 |
| 8/11/2012 2:56:06 PM | 0.28 | 236 | 412 | 8 |
| 8/11/2012 2:57:06 PM | 0.28 | 235 | 412 | 8 |
| 8/11/2012 2:58:06 PM | 0.28 | 234 | 413 | 8 |
| 8/11/2012 2:59:06 PM | 0.28 | 233 | 412 | 8 |
| 8/11/2012 3:00:06 PM | 0.28 | 233 | 412 | 8 |
| 8/11/2012 3:01:06 PM | 0.28 | 232 | 411 | 8 |
| 8/11/2012 3:02:06 PM | 0.28 | 233 | 410 | 8 |
| 8/11/2012 3:03:06 PM | 0.28 | 233 | 411 | 8 |
| 8/11/2012 3:04:06 PM | 0.28 | 233 | 411 | 8 |
| 8/11/2012 3:05:06 PM | 0.28 | 233 | 411 | 8 |
| 8/11/2012 3:06:06 PM | 0.28 | 233 | 412 | 8 |
| 8/11/2012 3:07:06 PM | 0.28 | 232 | 414 | 8 |
| 8/11/2012 3:08:06 PM | 0.28 | 232 | 414 | 8 |
| 8/11/2012 3:09:06 PM | 0.28 | 232 | 415 | 8 |
| 8/11/2012 3:10:06 PM | 0.28 | 232 | 416 | 8 |
| 8/11/2012 3:11:06 PM | 0.28 | 231 | 417 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 3:12:06 PM | 0.27 | 230 | 417 | 8 |
| 8/11/2012 3:13:06 PM | 0.28 | 230 | 416 | 8 |
| 8/11/2012 3:14:06 PM | 0.28 | 230 | 416 | 8 |
| 8/11/2012 3:15:06 PM | 0.28 | 229 | 417 | 8 |
| 8/11/2012 3:16:06 PM | 0.28 | 229 | 416 | 8 |
| 8/11/2012 3:17:06 PM | 0.28 | 228 | 415 | 8 |
| 8/11/2012 3:18:06 PM | 0.28 | 227 | 414 | 8 |
| 8/11/2012 3:19:06 PM | 0.28 | 226 | 412 | 8 |
| 8/11/2012 3:20:06 PM | 0.28 | 226 | 411 | 8 |
| 8/11/2012 3:21:06 PM | 0.28 | 227 | 412 | 8 |
| 8/11/2012 3:22:06 PM | 0.28 | 227 | 412 | 8 |
| 8/11/2012 3:23:06 PM | 0.28 | 228 | 413 | 7 |
| 8/11/2012 3:24:06 PM | 0.28 | 227 | 413 | 7 |
| 8/11/2012 3:25:06 PM | 0.28 | 228 | 413 | 8 |
| 8/11/2012 3:26:06 PM | 0.28 | 227 | 412 | 8 |
| 8/11/2012 3:27:06 PM | 0.28 | 227 | 412 | 8 |
| 8/11/2012 3:28:06 PM | 0.28 | 227 | 413 | 8 |
| 8/11/2012 3:29:06 PM | 0.28 | 226 | 412 | 8 |
| 8/11/2012 3:30:06 PM | 0.28 | 227 | 412 | 8 |
| 8/11/2012 3:31:06 PM | 0.28 | 226 | 412 | 8 |
| 8/11/2012 3:32:06 PM | 0.28 | 226 | 411 | 8 |
| 8/11/2012 3:33:06 PM | 0.28 | 226 | 412 | 8 |
| 8/11/2012 3:34:06 PM | 0.28 | 226 | 412 | 8 |
| 8/11/2012 3:35:06 PM | 0.28 | 225 | 412 | 8 |
| 8/11/2012 3:36:06 PM | 0.28 | 226 | 412 | 8 |
| 8/11/2012 3:37:06 PM | 0.28 | 226 | 412 | 8 |
| 8/11/2012 3:38:06 PM | 0.29 | 226 | 412 | 8 |
| 8/11/2012 3:39:06 PM | 0.29 | 226 | 411 | 8 |
| 8/11/2012 3:40:06 PM | 0.29 | 227 | 410 | 8 |
| 8/11/2012 3:41:06 PM | 0.29 | 226 | 413 | 8 |
| 8/11/2012 3:42:06 PM | 0.29 | 226 | 412 | 8 |
| 8/11/2012 3:43:06 PM | 0.29 | 226 | 412 | 8 |
| 8/11/2012 3:44:06 PM | 0.29 | 226 | 411 | 8 |
| 8/11/2012 3:45:06 PM | 0.29 | 227 | 412 | 8 |
| 8/11/2012 3:46:06 PM | 0.28 | 227 | 412 | 8 |
| 8/11/2012 3:47:06 PM | 0.28 | 228 | 411 | 8 |
| 8/11/2012 3:48:06 PM | 0.28 | 229 | 412 | 8 |
| 8/11/2012 3:49:06 PM | 0.28 | 230 | 413 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 3:50:06 PM | 0.28 | 231 | 413 | 8 |
| 8/11/2012 3:51:06 PM | 0.28 | 231 | 416 | 8 |
| 8/11/2012 3:52:06 PM | 0.28 | 231 | 417 | 8 |
| 8/11/2012 3:53:06 PM | 0.28 | 231 | 417 | 8 |
| 8/11/2012 3:54:06 PM | 0.28 | 231 | 416 | 8 |
| 8/11/2012 3:55:06 PM | 0.28 | 230 | 417 | 8 |
| 8/11/2012 3:56:06 PM | 0.28 | 230 | 417 | 8 |
| 8/11/2012 3:57:06 PM | 0.29 | 230 | 416 | 8 |
| 8/11/2012 3:58:06 PM | 0.29 | 229 | 417 | 8 |
| 8/11/2012 3:59:06 PM | 0.29 | 228 | 415 | 8 |
| 8/11/2012 4:00:06 PM | 0.29 | 228 | 415 | 8 |
| 8/11/2012 4:01:06 PM | 0.28 | 227 | 414 | 8 |
| 8/11/2012 4:02:06 PM | 0.28 | 227 | 412 | 8 |
| 8/11/2012 4:03:06 PM | 0.28 | 227 | 413 | 8 |
| 8/11/2012 4:04:06 PM | 0.28 | 228 | 412 | 8 |
| 8/11/2012 4:05:06 PM | 0.28 | 227 | 412 | 8 |
| 8/11/2012 4:06:06 PM | 0.29 | 227 | 412 | 8 |
| 8/11/2012 4:07:06 PM | 0.28 | 227 | 411 | 8 |
| 8/11/2012 4:08:06 PM | 0.29 | 227 | 410 | 8 |
| 8/11/2012 4:09:06 PM | 0.29 | 226 | 410 | 8 |
| 8/11/2012 4:10:06 PM | 0.28 | 225 | 409 | 8 |
| 8/11/2012 4:11:06 PM | 0.28 | 225 | 407 | 8 |
| 8/11/2012 4:12:06 PM | 0.28 | 224 | 408 | 8 |
| 8/11/2012 4:13:06 PM | 0.28 | 223 | 407 | 8 |
| 8/11/2012 4:14:06 PM | 0.28 | 223 | 407 | 8 |
| 8/11/2012 4:15:06 PM | 0.29 | 223 | 407 | 8 |
| 8/11/2012 4:16:06 PM | 0.29 | 222 | 405 | 8 |
| 8/11/2012 4:17:06 PM | 0.29 | 222 | 407 | 8 |
| 8/11/2012 4:18:06 PM | 0.29 | 222 | 408 | 8 |
| 8/11/2012 4:19:06 PM | 0.28 | 222 | 407 | 8 |
| 8/11/2012 4:20:06 PM | 0.28 | 222 | 407 | 8 |
| 8/11/2012 4:21:06 PM | 0.28 | 223 | 405 | 8 |
| 8/11/2012 4:22:06 PM | 0.28 | 223 | 406 | 8 |
| 8/11/2012 4:23:06 PM | 0.28 | 223 | 405 | 8 |
| 8/11/2012 4:24:06 PM | 0.28 | 222 | 403 | 8 |
| 8/11/2012 4:25:06 PM | 0.28 | 223 | 403 | 8 |
| 8/11/2012 4:26:06 PM | 0.29 | 224 | 404 | 8 |
| 8/11/2012 4:27:06 PM | 0.29 | 225 | 407 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 4:28:06 PM | 0.28 | 225 | 407 | 8 |
| 8/11/2012 4:29:06 PM | 0.28 | 226 | 406 | 9 |
| 8/11/2012 4:30:06 PM | 0.28 | 226 | 406 | 9 |
| 8/11/2012 4:31:06 PM | 0.28 | 226 | 408 | 8 |
| 8/11/2012 4:32:06 PM | 0.29 | 225 | 406 | 8 |
| 8/11/2012 4:33:06 PM | 0.29 | 224 | 404 | 8 |
| 8/11/2012 4:34:06 PM | 0.29 | 224 | 403 | 8 |
| 8/11/2012 4:35:06 PM | 0.28 | 225 | 402 | 8 |
| 8/11/2012 4:36:06 PM | 0.28 | 225 | 403 | 8 |
| 8/11/2012 4:37:06 PM | 0.28 | 226 | 403 | 8 |
| 8/11/2012 4:38:06 PM | 0.28 | 225 | 403 | 8 |
| 8/11/2012 4:39:06 PM | 0.29 | 224 | 402 | 8 |
| 8/11/2012 4:40:06 PM | 0.28 | 225 | 403 | 8 |
| 8/11/2012 4:41:06 PM | 0.28 | 226 | 404 | 8 |
| 8/11/2012 4:42:06 PM | 0.28 | 226 | 406 | 8 |
| 8/11/2012 4:43:06 PM | 0.28 | 226 | 408 | 8 |
| 8/11/2012 4:44:06 PM | 0.28 | 225 | 407 | 8 |
| 8/11/2012 4:45:06 PM | 0.28 | 224 | 408 | 8 |
| 8/11/2012 4:46:06 PM | 0.28 | 224 | 407 | 8 |
| 8/11/2012 4:47:06 PM | 0.28 | 224 | 408 | 8 |
| 8/11/2012 4:48:06 PM | 0.28 | 224 | 407 | 8 |
| 8/11/2012 4:49:06 PM | 0.28 | 224 | 407 | 8 |
| 8/11/2012 4:50:06 PM | 0.29 | 223 | 407 | 8 |
| 8/11/2012 4:51:06 PM | 0.29 | 221 | 405 | 8 |
| 8/11/2012 4:52:06 PM | 0.29 | 221 | 403 | 8 |
| 8/11/2012 4:53:06 PM | 0.29 | 221 | 402 | 8 |
| 8/11/2012 4:54:06 PM | 0.29 | 221 | 401 | 8 |
| 8/11/2012 4:55:06 PM | 0.28 | 221 | 401 | 8 |
| 8/11/2012 4:56:06 PM | 0.28 | 222 | 401 | 8 |
| 8/11/2012 4:57:06 PM | 0.28 | 223 | 402 | 8 |
| 8/11/2012 4:58:06 PM | 0.28 | 223 | 400 | 8 |
| 8/11/2012 4:59:06 PM | 0.28 | 224 | 400 | 8 |
| 8/11/2012 5:00:06 PM | 0.28 | 225 | 402 | 8 |
| 8/11/2012 5:01:06 PM | 0.28 | 225 | 402 | 9 |
| 8/11/2012 5:02:06 PM | 0.28 | 226 | 402 | 9 |
| 8/11/2012 5:03:06 PM | 0.28 | 226 | 403 | 9 |
| 8/11/2012 5:04:06 PM | 0.28 | 226 | 404 | 9 |
| 8/11/2012 5:05:06 PM | 0.28 | 226 | 403 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 5:06:06 PM | 0.28 | 225 | 402 | 9 |
| 8/11/2012 5:07:06 PM | 0.28 | 225 | 405 | 9 |
| 8/11/2012 5:08:06 PM | 0.28 | 225 | 405 | 9 |
| 8/11/2012 5:09:06 PM | 0.29 | 225 | 404 | 9 |
| 8/11/2012 5:10:06 PM | 0.28 | 225 | 404 | 9 |
| 8/11/2012 5:11:06 PM | 0.28 | 226 | 403 | 9 |
| 8/11/2012 5:12:06 PM | 0.28 | 226 | 402 | 9 |
| 8/11/2012 5:13:06 PM | 0.28 | 225 | 402 | 9 |
| 8/11/2012 5:14:06 PM | 0.28 | 225 | 402 | 9 |
| 8/11/2012 5:15:06 PM | 0.28 | 226 | 402 | 9 |
| 8/11/2012 5:16:06 PM | 0.28 | 225 | 402 | 9 |
| 8/11/2012 5:17:06 PM | 0.28 | 226 | 401 | 9 |
| 8/11/2012 5:18:06 PM | 0.28 | 226 | 402 | 9 |
| 8/11/2012 5:19:06 PM | 0.28 | 225 | 402 | 9 |
| 8/11/2012 5:20:06 PM | 0.28 | 224 | 400 | 9 |
| 8/11/2012 5:21:06 PM | 0.28 | 225 | 399 | 9 |
| 8/11/2012 5:22:06 PM | 0.29 | 224 | 400 | 9 |
| 8/11/2012 5:23:06 PM | 0.28 | 224 | 398 | 9 |
| 8/11/2012 5:24:06 PM | 0.28 | 225 | 397 | 9 |
| 8/11/2012 5:25:06 PM | 0.28 | 225 | 398 | 9 |
| 8/11/2012 5:26:06 PM | 0.28 | 225 | 398 | 9 |
| 8/11/2012 5:27:06 PM | 0.28 | 225 | 397 | 9 |
| 8/11/2012 5:28:06 PM | 0.28 | 224 | 397 | 9 |
| 8/11/2012 5:29:06 PM | 0.28 | 223 | 397 | 9 |
| 8/11/2012 5:30:06 PM | 0.28 | 223 | 397 | 9 |
| 8/11/2012 5:31:06 PM | 0.28 | 224 | 397 | 9 |
| 8/11/2012 5:32:06 PM | 0.28 | 224 | 397 | 9 |
| 8/11/2012 5:33:06 PM | 0.28 | 224 | 395 | 9 |
| 8/11/2012 5:34:06 PM | 0.28 | 224 | 396 | 9 |
| 8/11/2012 5:35:06 PM | 0.28 | 224 | 395 | 9 |
| 8/11/2012 5:36:06 PM | 0.28 | 225 | 395 | 9 |
| 8/11/2012 5:37:06 PM | 0.28 | 225 | 395 | 9 |
| 8/11/2012 5:38:06 PM | 0.27 | 223 | 395 | 8 |
| 8/11/2012 5:39:06 PM | 0.28 | 223 | 393 | 8 |
| 8/11/2012 5:40:06 PM | 0.28 | 222 | 393 | 8 |
| 8/11/2012 5:41:06 PM | 0.28 | 221 | 392 | 8 |
| 8/11/2012 5:42:06 PM | 0.28 | 221 | 392 | 8 |
| 8/11/2012 5:43:06 PM | 0.28 | 222 | 392 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 5:44:06 PM | 0.28 | 222 | 392 | 9 |
| 8/11/2012 5:45:06 PM | 0.28 | 222 | 392 | 9 |
| 8/11/2012 5:46:06 PM | 0.28 | 221 | 391 | 9 |
| 8/11/2012 5:47:06 PM | 0.28 | 220 | 389 | 9 |
| 8/11/2012 5:48:06 PM | 0.28 | 222 | 388 | 9 |
| 8/11/2012 5:49:06 PM | 0.28 | 221 | 388 | 9 |
| 8/11/2012 5:50:06 PM | 0.28 | 221 | 393 | 9 |
| 8/11/2012 5:51:06 PM | 0.28 | 222 | 391 | 9 |
| 8/11/2012 5:52:06 PM | 0.28 | 223 | 390 | 9 |
| 8/11/2012 5:53:06 PM | 0.28 | 224 | 391 | 9 |
| 8/11/2012 5:54:06 PM | 0.27 | 223 | 391 | 9 |
| 8/11/2012 5:55:06 PM | 0.28 | 223 | 391 | 9 |
| 8/11/2012 5:56:06 PM | 0.28 | 224 | 392 | 9 |
| 8/11/2012 5:57:06 PM | 0.28 | 224 | 393 | 9 |
| 8/11/2012 5:58:06 PM | 0.27 | 224 | 392 | 9 |
| 8/11/2012 5:59:06 PM | 0.28 | 223 | 392 | 8 |
| 8/11/2012 6:00:06 PM | 0.28 | 223 | 392 | 8 |
| 8/11/2012 6:01:06 PM | 0.28 | 223 | 391 | 8 |
| 8/11/2012 6:02:06 PM | 0.28 | 223 | 392 | 8 |
| 8/11/2012 6:03:06 PM | 0.28 | 222 | 391 | 8 |
| 8/11/2012 6:04:06 PM | 0.28 | 223 | 391 | 8 |
| 8/11/2012 6:05:06 PM | 0.28 | 222 | 391 | 8 |
| 8/11/2012 6:06:06 PM | 0.28 | 222 | 391 | 8 |
| 8/11/2012 6:07:06 PM | 0.28 | 222 | 392 | 9 |
| 8/11/2012 6:08:06 PM | 0.28 | 223 | 391 | 9 |
| 8/11/2012 6:09:06 PM | 0.28 | 224 | 393 | 9 |
| 8/11/2012 6:10:06 PM | 0.28 | 224 | 392 | 9 |
| 8/11/2012 6:11:06 PM | 0.28 | 225 | 392 | 9 |
| 8/11/2012 6:12:06 PM | 0.28 | 225 | 392 | 9 |
| 8/11/2012 6:13:06 PM | 0.28 | 225 | 392 | 9 |
| 8/11/2012 6:14:06 PM | 0.27 | 224 | 392 | 8 |
| 8/11/2012 6:15:06 PM | 0.28 | 224 | 391 | 8 |
| 8/11/2012 6:16:06 PM | 0.28 | 225 | 391 | 8 |
| 8/11/2012 6:17:06 PM | 0.28 | 226 | 390 | 8 |
| 8/11/2012 6:18:06 PM | 0.28 | 226 | 392 | 8 |
| 8/11/2012 6:19:06 PM | 0.28 | 226 | 391 | 8 |
| 8/11/2012 6:20:06 PM | 0.28 | 226 | 392 | 8 |
| 8/11/2012 6:21:06 PM | 0.28 | 225 | 391 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 6:22:06 PM | 0.28 | 225 | 389 | 8 |
| 8/11/2012 6:23:06 PM | 0.27 | 225 | 389 | 8 |
| 8/11/2012 6:24:06 PM | 0.27 | 226 | 390 | 8 |
| 8/11/2012 6:25:06 PM | 0.27 | 227 | 390 | 8 |
| 8/11/2012 6:26:06 PM | 0.28 | 228 | 391 | 8 |
| 8/11/2012 6:27:06 PM | 0.28 | 228 | 391 | 8 |
| 8/11/2012 6:28:06 PM | 0.27 | 228 | 393 | 8 |
| 8/11/2012 6:29:06 PM | 0.27 | 228 | 393 | 8 |
| 8/11/2012 6:30:06 PM | 0.27 | 229 | 393 | 8 |
| 8/11/2012 6:31:06 PM | 0.27 | 229 | 393 | 8 |
| 8/11/2012 6:32:06 PM | 0.28 | 230 | 394 | 8 |
| 8/11/2012 6:33:06 PM | 0.28 | 230 | 394 | 8 |
| 8/11/2012 6:34:06 PM | 0.27 | 230 | 395 | 8 |
| 8/11/2012 6:35:06 PM | 0.27 | 229 | 394 | 8 |
| 8/11/2012 6:36:06 PM | 0.28 | 229 | 393 | 8 |
| 8/11/2012 6:37:06 PM | 0.28 | 228 | 393 | 8 |
| 8/11/2012 6:38:06 PM | 0.27 | 227 | 393 | 8 |
| 8/11/2012 6:39:06 PM | 0.28 | 227 | 392 | 8 |
| 8/11/2012 6:40:06 PM | 0.27 | 228 | 392 | 8 |
| 8/11/2012 6:41:06 PM | 0.28 | 228 | 391 | 8 |
| 8/11/2012 6:42:06 PM | 0.27 | 227 | 392 | 8 |
| 8/11/2012 6:43:06 PM | 0.27 | 227 | 392 | 8 |
| 8/11/2012 6:44:06 PM | 0.27 | 227 | 390 | 8 |
| 8/11/2012 6:45:06 PM | 0.28 | 227 | 392 | 8 |
| 8/11/2012 6:46:06 PM | 0.28 | 227 | 392 | 8 |
| 8/11/2012 6:47:06 PM | 0.28 | 226 | 390 | 8 |
| 8/11/2012 6:48:06 PM | 0.28 | 226 | 391 | 8 |
| 8/11/2012 6:49:06 PM | 0.28 | 225 | 391 | 8 |
| 8/11/2012 6:50:06 PM | 0.28 | 225 | 391 | 8 |
| 8/11/2012 6:51:06 PM | 0.28 | 226 | 390 | 8 |
| 8/11/2012 6:52:06 PM | 0.28 | 226 | 390 | 8 |
| 8/11/2012 6:53:06 PM | 0.28 | 225 | 389 | 8 |
| 8/11/2012 6:54:06 PM | 0.28 | 225 | 388 | 8 |
| 8/11/2012 6:55:06 PM | 0.28 | 224 | 387 | 8 |
| 8/11/2012 6:56:06 PM | 0.28 | 222 | 386 | 8 |
| 8/11/2012 6:57:06 PM | 0.28 | 222 | 384 | 8 |
| 8/11/2012 6:58:06 PM | 0.27 | 222 | 383 | 8 |
| 8/11/2012 6:59:06 PM | 0.28 | 223 | 382 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 7:00:06 PM | 0.28 | 224 | 382 | 8 |
| 8/11/2012 7:01:06 PM | 0.28 | 223 | 383 | 8 |
| 8/11/2012 7:02:06 PM | 0.27 | 223 | 382 | 8 |
| 8/11/2012 7:03:06 PM | 0.28 | 224 | 382 | 8 |
| 8/11/2012 7:04:06 PM | 0.27 | 225 | 384 | 8 |
| 8/11/2012 7:05:06 PM | 0.28 | 226 | 386 | 8 |
| 8/11/2012 7:06:06 PM | 0.28 | 225 | 387 | 8 |
| 8/11/2012 7:07:06 PM | 0.27 | 225 | 386 | 8 |
| 8/11/2012 7:08:06 PM | 0.28 | 225 | 385 | 8 |
| 8/11/2012 7:09:06 PM | 0.27 | 224 | 384 | 8 |
| 8/11/2012 7:10:06 PM | 0.28 | 223 | 383 | 8 |
| 8/11/2012 7:11:06 PM | 0.28 | 222 | 382 | 8 |
| 8/11/2012 7:12:06 PM | 0.28 | 222 | 382 | 8 |
| 8/11/2012 7:13:06 PM | 0.28 | 223 | 382 | 8 |
| 8/11/2012 7:14:06 PM | 0.28 | 223 | 382 | 8 |
| 8/11/2012 7:15:06 PM | 0.28 | 223 | 381 | 8 |
| 8/11/2012 7:16:06 PM | 0.27 | 223 | 381 | 8 |
| 8/11/2012 7:17:06 PM | 0.27 | 223 | 379 | 8 |
| 8/11/2012 7:18:06 PM | 0.28 | 223 | 381 | 8 |
| 8/11/2012 7:19:06 PM | 0.28 | 223 | 381 | 8 |
| 8/11/2012 7:20:06 PM | 0.28 | 223 | 381 | 8 |
| 8/11/2012 7:21:06 PM | 0.28 | 222 | 382 | 8 |
| 8/11/2012 7:22:06 PM | 0.28 | 221 | 383 | 9 |
| 8/11/2012 7:23:06 PM | 0.28 | 222 | 382 | 9 |
| 8/11/2012 7:24:06 PM | 0.28 | 221 | 383 | 9 |
| 8/11/2012 7:25:06 PM | 0.28 | 221 | 382 | 9 |
| 8/11/2012 7:26:06 PM | 0.27 | 221 | 382 | 8 |
| 8/11/2012 7:27:06 PM | 0.28 | 223 | 383 | 8 |
| 8/11/2012 7:28:06 PM | 0.28 | 222 | 384 | 9 |
| 8/11/2012 7:29:06 PM | 0.28 | 221 | 384 | 9 |
| 8/11/2012 7:30:06 PM | 0.28 | 221 | 382 | 9 |
| 8/11/2012 7:31:06 PM | 0.28 | 222 | 383 | 8 |
| 8/11/2012 7:32:06 PM | 0.28 | 222 | 382 | 8 |
| 8/11/2012 7:33:06 PM | 0.28 | 222 | 382 | 8 |
| 8/11/2012 7:34:06 PM | 0.27 | 222 | 382 | 8 |
| 8/11/2012 7:35:06 PM | 0.28 | 222 | 380 | 8 |
| 8/11/2012 7:36:06 PM | 0.28 | 222 | 379 | 8 |
| 8/11/2012 7:37:06 PM | 0.28 | 223 | 378 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 7:38:06 PM | 0.28 | 223 | 378 | 8 |
| 8/11/2012 7:39:06 PM | 0.28 | 222 | 380 | 8 |
| 8/11/2012 7:40:06 PM | 0.28 | 223 | 379 | 8 |
| 8/11/2012 7:41:06 PM | 0.28 | 223 | 378 | 8 |
| 8/11/2012 7:42:06 PM | 0.28 | 223 | 381 | 8 |
| 8/11/2012 7:43:06 PM | 0.27 | 222 | 380 | 8 |
| 8/11/2012 7:44:06 PM | 0.28 | 222 | 380 | 8 |
| 8/11/2012 7:45:06 PM | 0.28 | 221 | 380 | 8 |
| 8/11/2012 7:46:06 PM | 0.28 | 221 | 379 | 8 |
| 8/11/2012 7:47:06 PM | 0.28 | 220 | 379 | 8 |
| 8/11/2012 7:48:06 PM | 0.28 | 221 | 379 | 8 |
| 8/11/2012 7:49:06 PM | 0.28 | 221 | 380 | 8 |
| 8/11/2012 7:50:06 PM | 0.28 | 222 | 381 | 8 |
| 8/11/2012 7:51:06 PM | 0.28 | 223 | 380 | 8 |
| 8/11/2012 7:52:06 PM | 0.28 | 222 | 380 | 8 |
| 8/11/2012 7:53:06 PM | 0.28 | 222 | 379 | 8 |
| 8/11/2012 7:54:06 PM | 0.28 | 222 | 379 | 8 |
| 8/11/2012 7:55:06 PM | 0.28 | 223 | 380 | 8 |
| 8/11/2012 7:56:06 PM | 0.28 | 223 | 379 | 8 |
| 8/11/2012 7:57:06 PM | 0.28 | 223 | 379 | 8 |
| 8/11/2012 7:58:06 PM | 0.28 | 224 | 380 | 8 |
| 8/11/2012 7:59:06 PM | 0.27 | 225 | 382 | 8 |
| 8/11/2012 8:00:06 PM | 0.28 | 226 | 382 | 8 |
| 8/11/2012 8:01:06 PM | 0.28 | 226 | 383 | 8 |
| 8/11/2012 8:02:06 PM | 0.27 | 226 | 384 | 8 |
| 8/11/2012 8:03:06 PM | 0.28 | 227 | 384 | 8 |
| 8/11/2012 8:04:06 PM | 0.28 | 226 | 386 | 8 |
| 8/11/2012 8:05:06 PM | 0.28 | 227 | 387 | 8 |
| 8/11/2012 8:06:06 PM | 0.27 | 227 | 389 | 8 |
| 8/11/2012 8:07:06 PM | 0.28 | 226 | 390 | 8 |
| 8/11/2012 8:08:06 PM | 0.27 | 225 | 390 | 8 |
| 8/11/2012 8:09:06 PM | 0.28 | 225 | 390 | 8 |
| 8/11/2012 8:10:06 PM | 0.27 | 225 | 391 | 8 |
| 8/11/2012 8:11:06 PM | 0.27 | 225 | 391 | 8 |
| 8/11/2012 8:12:06 PM | 0.28 | 225 | 393 | 8 |
| 8/11/2012 8:13:06 PM | 0.28 | 225 | 394 | 8 |
| 8/11/2012 8:14:06 PM | 0.28 | 226 | 395 | 8 |
| 8/11/2012 8:15:06 PM | 0.27 | 226 | 396 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 8:16:06 PM | 0.27 | 227 | 397 | 8 |
| 8/11/2012 8:17:06 PM | 0.27 | 227 | 398 | 8 |
| 8/11/2012 8:18:06 PM | 0.28 | 227 | 401 | 8 |
| 8/11/2012 8:19:06 PM | 0.27 | 227 | 402 | 8 |
| 8/11/2012 8:20:06 PM | 0.27 | 228 | 402 | 8 |
| 8/11/2012 8:21:06 PM | 0.28 | 229 | 401 | 8 |
| 8/11/2012 8:22:06 PM | 0.27 | 230 | 401 | 8 |
| 8/11/2012 8:23:06 PM | 0.28 | 229 | 401 | 8 |
| 8/11/2012 8:24:06 PM | 0.27 | 229 | 402 | 8 |
| 8/11/2012 8:25:06 PM | 0.27 | 228 | 401 | 8 |
| 8/11/2012 8:26:06 PM | 0.27 | 228 | 398 | 8 |
| 8/11/2012 8:27:06 PM | 0.27 | 228 | 398 | 8 |
| 8/11/2012 8:28:06 PM | 0.27 | 229 | 400 | 8 |
| 8/11/2012 8:29:06 PM | 0.28 | 230 | 398 | 8 |
| 8/11/2012 8:30:06 PM | 0.27 | 230 | 398 | 8 |
| 8/11/2012 8:31:06 PM | 0.27 | 229 | 397 | 8 |
| 8/11/2012 8:32:06 PM | 0.27 | 229 | 398 | 8 |
| 8/11/2012 8:33:06 PM | 0.27 | 230 | 397 | 8 |
| 8/11/2012 8:34:06 PM | 0.27 | 230 | 396 | 8 |
| 8/11/2012 8:35:06 PM | 0.27 | 230 | 397 | 8 |
| 8/11/2012 8:36:06 PM | 0.27 | 231 | 397 | 8 |
| 8/11/2012 8:37:06 PM | 0.28 | 231 | 397 | 8 |
| 8/11/2012 8:38:06 PM | 0.28 | 231 | 395 | 8 |
| 8/11/2012 8:39:06 PM | 0.27 | 231 | 395 | 8 |
| 8/11/2012 8:40:06 PM | 0.27 | 231 | 395 | 8 |
| 8/11/2012 8:41:06 PM | 0.27 | 230 | 394 | 8 |
| 8/11/2012 8:42:06 PM | 0.27 | 230 | 393 | 8 |
| 8/11/2012 8:43:06 PM | 0.27 | 231 | 392 | 8 |
| 8/11/2012 8:44:06 PM | 0.27 | 230 | 392 | 8 |
| 8/11/2012 8:45:06 PM | 0.27 | 230 | 391 | 8 |
| 8/11/2012 8:46:06 PM | 0.27 | 229 | 389 | 8 |
| 8/11/2012 8:47:06 PM | 0.27 | 230 | 390 | 8 |
| 8/11/2012 8:48:06 PM | 0.28 | 230 | 390 | 8 |
| 8/11/2012 8:49:06 PM | 0.27 | 230 | 389 | 8 |
| 8/11/2012 8:50:06 PM | 0.28 | 231 | 388 | 8 |
| 8/11/2012 8:51:06 PM | 0.27 | 230 | 390 | 8 |
| 8/11/2012 8:52:06 PM | 0.27 | 230 | 390 | 8 |
| 8/11/2012 8:53:06 PM | 0.27 | 230 | 389 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 8:54:06 PM | 0.28 | 230 | 391 | 8 |
| 8/11/2012 8:55:06 PM | 0.28 | 231 | 392 | 8 |
| 8/11/2012 8:56:06 PM | 0.28 | 230 | 393 | 8 |
| 8/11/2012 8:57:06 PM | 0.27 | 230 | 393 | 8 |
| 8/11/2012 8:58:06 PM | 0.28 | 230 | 394 | 8 |
| 8/11/2012 8:59:06 PM | 0.27 | 230 | 394 | 8 |
| 8/11/2012 9:00:06 PM | 0.28 | 230 | 396 | 8 |
| 8/11/2012 9:01:06 PM | 0.27 | 230 | 397 | 8 |
| 8/11/2012 9:02:06 PM | 0.28 | 230 | 397 | 8 |
| 8/11/2012 9:03:06 PM | 0.28 | 230 | 398 | 8 |
| 8/11/2012 9:04:06 PM | 0.28 | 230 | 402 | 8 |
| 8/11/2012 9:05:06 PM | 0.28 | 230 | 402 | 8 |
| 8/11/2012 9:06:06 PM | 0.27 | 230 | 402 | 8 |
| 8/11/2012 9:07:06 PM | 0.28 | 229 | 402 | 8 |
| 8/11/2012 9:08:06 PM | 0.28 | 229 | 401 | 8 |
| 8/11/2012 9:09:06 PM | 0.28 | 229 | 402 | 8 |
| 8/11/2012 9:10:06 PM | 0.27 | 228 | 401 | 8 |
| 8/11/2012 9:11:06 PM | 0.28 | 228 | 400 | 8 |
| 8/11/2012 9:12:06 PM | 0.28 | 228 | 398 | 8 |
| 8/11/2012 9:13:06 PM | 0.27 | 229 | 398 | 8 |
| 8/11/2012 9:14:06 PM | 0.27 | 229 | 397 | 8 |
| 8/11/2012 9:15:06 PM | 0.27 | 229 | 396 | 8 |
| 8/11/2012 9:16:06 PM | 0.28 | 229 | 396 | 8 |
| 8/11/2012 9:17:06 PM | 0.28 | 229 | 394 | 8 |
| 8/11/2012 9:18:06 PM | 0.28 | 230 | 394 | 8 |
| 8/11/2012 9:19:06 PM | 0.28 | 229 | 393 | 8 |
| 8/11/2012 9:20:06 PM | 0.28 | 228 | 393 | 8 |
| 8/11/2012 9:21:06 PM | 0.28 | 229 | 393 | 8 |
| 8/11/2012 9:22:06 PM | 0.28 | 229 | 392 | 8 |
| 8/11/2012 9:23:06 PM | 0.28 | 229 | 392 | 8 |
| 8/11/2012 9:24:06 PM | 0.28 | 229 | 393 | 8 |
| 8/11/2012 9:25:06 PM | 0.28 | 228 | 393 | 8 |
| 8/11/2012 9:26:06 PM | 0.28 | 228 | 392 | 8 |
| 8/11/2012 9:27:06 PM | 0.28 | 228 | 392 | 8 |
| 8/11/2012 9:28:06 PM | 0.28 | 227 | 392 | 8 |
| 8/11/2012 9:29:06 PM | 0.28 | 227 | 391 | 8 |
| 8/11/2012 9:30:06 PM | 0.28 | 226 | 390 | 8 |
| 8/11/2012 9:31:06 PM | 0.28 | 227 | 389 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 9:32:06 PM | 0.28 | 226 | 389 | 8 |
| 8/11/2012 9:33:06 PM | 0.28 | 226 | 389 | 8 |
| 8/11/2012 9:34:06 PM | 0.28 | 226 | 387 | 8 |
| 8/11/2012 9:35:06 PM | 0.28 | 226 | 388 | 8 |
| 8/11/2012 9:36:06 PM | 0.29 | 227 | 388 | 8 |
| 8/11/2012 9:37:06 PM | 0.28 | 227 | 388 | 8 |
| 8/11/2012 9:38:06 PM | 0.28 | 227 | 388 | 8 |
| 8/11/2012 9:39:06 PM | 0.28 | 226 | 389 | 8 |
| 8/11/2012 9:40:06 PM | 0.29 | 226 | 390 | 8 |
| 8/11/2012 9:41:06 PM | 0.29 | 225 | 389 | 8 |
| 8/11/2012 9:42:06 PM | 0.29 | 225 | 391 | 8 |
| 8/11/2012 9:43:06 PM | 0.28 | 226 | 393 | 8 |
| 8/11/2012 9:44:06 PM | 0.28 | 226 | 392 | 8 |
| 8/11/2012 9:45:06 PM | 0.28 | 225 | 393 | 8 |
| 8/11/2012 9:46:06 PM | 0.28 | 226 | 392 | 8 |
| 8/11/2012 9:47:06 PM | 0.28 | 225 | 393 | 8 |
| 8/11/2012 9:48:06 PM | 0.28 | 226 | 393 | 8 |
| 8/11/2012 9:49:06 PM | 0.29 | 226 | 395 | 8 |
| 8/11/2012 9:50:06 PM | 0.28 | 226 | 395 | 8 |
| 8/11/2012 9:51:06 PM | 0.28 | 226 | 396 | 8 |
| 8/11/2012 9:52:06 PM | 0.28 | 226 | 398 | 8 |
| 8/11/2012 9:53:06 PM | 0.28 | 227 | 397 | 8 |
| 8/11/2012 9:54:06 PM | 0.28 | 226 | 398 | 8 |
| 8/11/2012 9:55:06 PM | 0.28 | 226 | 397 | 8 |
| 8/11/2012 9:56:06 PM | 0.28 | 226 | 399 | 8 |
| 8/11/2012 9:57:06 PM | 0.28 | 226 | 400 | 8 |
| 8/11/2012 9:58:06 PM | 0.28 | 227 | 401 | 8 |
| 8/11/2012 9:59:06 PM | 0.28 | 227 | 404 | 8 |
| 8/11/2012 10:00:06 PM | 0.28 | 226 | 404 | 8 |
| 8/11/2012 10:01:06 PM | 0.28 | 226 | 404 | 8 |
| 8/11/2012 10:02:06 PM | 0.28 | 226 | 404 | 8 |
| 8/11/2012 10:03:06 PM | 0.27 | 225 | 404 | 8 |
| 8/11/2012 10:04:06 PM | 0.28 | 225 | 402 | 8 |
| 8/11/2012 10:05:06 PM | 0.28 | 225 | 401 | 8 |
| 8/11/2012 10:06:06 PM | 0.28 | 225 | 400 | 8 |
| 8/11/2012 10:07:06 PM | 0.28 | 225 | 400 | 8 |
| 8/11/2012 10:08:06 PM | 0.28 | 225 | 398 | 8 |
| 8/11/2012 10:09:06 PM | 0.28 | 225 | 397 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 10:10:06 PM | 0.28 | 225 | 398 | 8 |
| 8/11/2012 10:11:06 PM | 0.28 | 225 | 398 | 8 |
| 8/11/2012 10:12:06 PM | 0.28 | 225 | 395 | 8 |
| 8/11/2012 10:13:06 PM | 0.28 | 225 | 395 | 8 |
| 8/11/2012 10:14:06 PM | 0.28 | 225 | 393 | 8 |
| 8/11/2012 10:15:06 PM | 0.28 | 225 | 396 | 8 |
| 8/11/2012 10:16:06 PM | 0.28 | 225 | 396 | 8 |
| 8/11/2012 10:17:06 PM | 0.28 | 226 | 394 | 8 |
| 8/11/2012 10:18:06 PM | 0.28 | 226 | 394 | 8 |
| 8/11/2012 10:19:06 PM | 0.28 | 226 | 394 | 8 |
| 8/11/2012 10:20:06 PM | 0.28 | 226 | 394 | 8 |
| 8/11/2012 10:21:06 PM | 0.28 | 226 | 394 | 8 |
| 8/11/2012 10:22:06 PM | 0.28 | 226 | 394 | 8 |
| 8/11/2012 10:23:06 PM | 0.28 | 226 | 393 | 8 |
| 8/11/2012 10:24:06 PM | 0.28 | 226 | 394 | 8 |
| 8/11/2012 10:25:06 PM | 0.28 | 226 | 394 | 8 |
| 8/11/2012 10:26:06 PM | 0.28 | 225 | 392 | 8 |
| 8/11/2012 10:27:06 PM | 0.28 | 225 | 393 | 8 |
| 8/11/2012 10:28:06 PM | 0.28 | 225 | 392 | 8 |
| 8/11/2012 10:29:06 PM | 0.29 | 225 | 393 | 8 |
| 8/11/2012 10:30:06 PM | 0.28 | 225 | 392 | 8 |
| 8/11/2012 10:31:06 PM | 0.28 | 226 | 392 | 8 |
| 8/11/2012 10:32:06 PM | 0.28 | 225 | 392 | 8 |
| 8/11/2012 10:33:06 PM | 0.29 | 225 | 394 | 8 |
| 8/11/2012 10:34:06 PM | 0.28 | 225 | 391 | 8 |
| 8/11/2012 10:35:06 PM | 0.28 | 225 | 392 | 8 |
| 8/11/2012 10:36:06 PM | 0.28 | 225 | 390 | 8 |
| 8/11/2012 10:37:06 PM | 0.28 | 225 | 392 | 8 |
| 8/11/2012 10:38:06 PM | 0.28 | 225 | 393 | 8 |
| 8/11/2012 10:39:06 PM | 0.28 | 226 | 392 | 8 |
| 8/11/2012 10:40:06 PM | 0.28 | 226 | 394 | 8 |
| 8/11/2012 10:41:06 PM | 0.28 | 226 | 395 | 8 |
| 8/11/2012 10:42:06 PM | 0.28 | 226 | 398 | 8 |
| 8/11/2012 10:43:06 PM | 0.28 | 226 | 401 | 8 |
| 8/11/2012 10:44:06 PM | 0.28 | 226 | 402 | 8 |
| 8/11/2012 10:45:06 PM | 0.28 | 226 | 402 | 8 |
| 8/11/2012 10:46:06 PM | 0.28 | 226 | 402 | 8 |
| 8/11/2012 10:47:06 PM | 0.28 | 226 | 402 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 10:48:06 PM | 0.28 | 226 | 402 | 8 |
| 8/11/2012 10:49:06 PM | 0.28 | 226 | 403 | 8 |
| 8/11/2012 10:50:06 PM | 0.28 | 226 | 402 | 8 |
| 8/11/2012 10:51:06 PM | 0.28 | 226 | 402 | 8 |
| 8/11/2012 10:52:06 PM | 0.28 | 225 | 401 | 8 |
| 8/11/2012 10:53:06 PM | 0.28 | 226 | 401 | 8 |
| 8/11/2012 10:54:06 PM | 0.28 | 226 | 399 | 8 |
| 8/11/2012 10:55:06 PM | 0.28 | 226 | 398 | 8 |
| 8/11/2012 10:56:06 PM | 0.28 | 226 | 398 | 8 |
| 8/11/2012 10:57:06 PM | 0.29 | 225 | 398 | 8 |
| 8/11/2012 10:58:06 PM | 0.28 | 225 | 397 | 8 |
| 8/11/2012 10:59:06 PM | 0.29 | 225 | 398 | 8 |
| 8/11/2012 11:00:06 PM | 0.28 | 224 | 396 | 8 |
| 8/11/2012 11:01:06 PM | 0.28 | 224 | 396 | 8 |
| 8/11/2012 11:02:06 PM | 0.28 | 224 | 395 | 8 |
| 8/11/2012 11:03:06 PM | 0.29 | 224 | 393 | 8 |
| 8/11/2012 11:04:06 PM | 0.29 | 225 | 393 | 8 |
| 8/11/2012 11:05:06 PM | 0.29 | 225 | 393 | 8 |
| 8/11/2012 11:06:06 PM | 0.29 | 224 | 391 | 8 |
| 8/11/2012 11:07:06 PM | 0.29 | 224 | 392 | 8 |
| 8/11/2012 11:08:06 PM | 0.28 | 224 | 390 | 8 |
| 8/11/2012 11:09:06 PM | 0.29 | 224 | 389 | 8 |
| 8/11/2012 11:10:06 PM | 0.29 | 223 | 388 | 8 |
| 8/11/2012 11:11:06 PM | 0.29 | 223 | 388 | 8 |
| 8/11/2012 11:12:06 PM | 0.29 | 223 | 387 | 8 |
| 8/11/2012 11:13:06 PM | 0.29 | 222 | 386 | 8 |
| 8/11/2012 11:14:06 PM | 0.29 | 221 | 387 | 8 |
| 8/11/2012 11:15:06 PM | 0.29 | 220 | 386 | 8 |
| 8/11/2012 11:16:06 PM | 0.30 | 220 | 385 | 8 |
| 8/11/2012 11:17:06 PM | 0.30 | 219 | 385 | 8 |
| 8/11/2012 11:18:06 PM | 0.30 | 219 | 382 | 8 |
| 8/11/2012 11:19:06 PM | 0.29 | 219 | 383 | 8 |
| 8/11/2012 11:20:06 PM | 0.30 | 219 | 382 | 8 |
| 8/11/2012 11:21:06 PM | 0.30 | 219 | 381 | 8 |
| 8/11/2012 11:22:06 PM | 0.30 | 219 | 380 | 8 |
| 8/11/2012 11:23:06 PM | 0.29 | 218 | 380 | 8 |
| 8/11/2012 11:24:06 PM | 0.30 | 219 | 380 | 8 |
| 8/11/2012 11:25:06 PM | 0.30 | 219 | 381 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **11-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **11-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/11/2012 11:26:06 PM | 0.30 | 218 | 381 | 8 |
| 8/11/2012 11:27:06 PM | 0.29 | 218 | 382 | 8 |
| 8/11/2012 11:28:06 PM | 0.30 | 218 | 381 | 8 |
| 8/11/2012 11:29:06 PM | 0.29 | 218 | 381 | 8 |
| 8/11/2012 11:30:06 PM | 0.29 | 219 | 383 | 8 |
| 8/11/2012 11:31:06 PM | 0.30 | 219 | 382 | 8 |
| 8/11/2012 11:32:06 PM | 0.29 | 218 | 383 | 8 |
| 8/11/2012 11:33:06 PM | 0.29 | 219 | 383 | 8 |
| 8/11/2012 11:34:06 PM | 0.30 | 219 | 383 | 7 |
| 8/11/2012 11:35:06 PM | 0.29 | 218 | 384 | 7 |
| 8/11/2012 11:36:06 PM | 0.30 | 218 | 383 | 7 |
| 8/11/2012 11:37:06 PM | 0.29 | 217 | 383 | 8 |
| 8/11/2012 11:38:06 PM | 0.29 | 218 | 383 | 8 |
| 8/11/2012 11:39:06 PM | 0.29 | 218 | 382 | 8 |
| 8/11/2012 11:40:06 PM | 0.30 | 218 | 382 | 8 |
| 8/11/2012 11:41:06 PM | 0.29 | 218 | 383 | 8 |
| 8/11/2012 11:42:06 PM | 0.29 | 219 | 381 | 8 |
| 8/11/2012 11:43:06 PM | 0.30 | 219 | 381 | 8 |
| 8/11/2012 11:44:06 PM | 0.29 | 219 | 381 | 8 |
| 8/11/2012 11:45:06 PM | 0.29 | 219 | 380 | 8 |
| 8/11/2012 11:46:06 PM | 0.29 | 220 | 380 | 8 |
| 8/11/2012 11:47:06 PM | 0.29 | 220 | 380 | 8 |
| 8/11/2012 11:48:06 PM | 0.29 | 220 | 382 | 8 |
| 8/11/2012 11:49:06 PM | 0.29 | 220 | 381 | 8 |
| 8/11/2012 11:50:06 PM | 0.29 | 220 | 380 | 8 |
| 8/11/2012 11:51:06 PM | 0.29 | 221 | 382 | 8 |
| 8/11/2012 11:52:06 PM | 0.29 | 221 | 382 | 8 |
| 8/11/2012 11:53:06 PM | 0.29 | 221 | 382 | 8 |
| 8/11/2012 11:54:06 PM | 0.29 | 220 | 381 | 8 |
| 8/11/2012 11:55:06 PM | 0.29 | 221 | 381 | 8 |
| 8/11/2012 11:56:06 PM | 0.29 | 221 | 381 | 8 |
| 8/11/2012 11:57:06 PM | 0.29 | 221 | 381 | 8 |
| 8/11/2012 11:58:06 PM | 0.29 | 221 | 380 | 8 |
| 8/11/2012 11:59:06 PM | 0.29 | 221 | 380 | 8 |
| Averages | 0.28 | 224 | 407 | 9 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 0:00:06 AM | 0.29 | 222 | 379 | 8 |
| 8/12/2012 0:01:06 AM | 0.28 | 222 | 378 | 8 |
| 8/12/2012 0:02:06 AM | 0.28 | 223 | 378 | 8 |
| 8/12/2012 0:03:06 AM | 0.28 | 223 | 378 | 8 |
| 8/12/2012 0:04:06 AM | 0.28 | 223 | 379 | 8 |
| 8/12/2012 0:05:06 AM | 0.28 | 224 | 379 | 8 |
| 8/12/2012 0:06:06 AM | 0.28 | 225 | 378 | 8 |
| 8/12/2012 0:07:06 AM | 0.28 | 225 | 379 | 8 |
| 8/12/2012 0:08:06 AM | 0.28 | 225 | 381 | 8 |
| 8/12/2012 0:09:06 AM | 0.28 | 226 | 382 | 8 |
| 8/12/2012 0:10:06 AM | 0.29 | 226 | 381 | 8 |
| 8/12/2012 0:11:06 AM | 0.29 | 225 | 379 | 8 |
| 8/12/2012 0:12:06 AM | 0.29 | 223 | 379 | 8 |
| 8/12/2012 0:13:06 AM | 0.29 | 223 | 378 | 8 |
| 8/12/2012 0:14:06 AM | 0.28 | 223 | 377 | 7 |
| 8/12/2012 0:15:06 AM | 0.28 | 224 | 377 | 7 |
| 8/12/2012 0:16:06 AM | 0.29 | 224 | 378 | 7 |
| 8/12/2012 0:17:06 AM | 0.28 | 224 | 379 | 7 |
| 8/12/2012 0:18:06 AM | 0.28 | 224 | 380 | 7 |
| 8/12/2012 0:19:06 AM | 0.28 | 224 | 381 | 7 |
| 8/12/2012 0:20:06 AM | 0.28 | 224 | 383 | 7 |
| 8/12/2012 0:21:06 AM | 0.28 | 223 | 382 | 7 |
| 8/12/2012 0:22:06 AM | 0.28 | 222 | 383 | 7 |
| 8/12/2012 0:23:06 AM | 0.29 | 221 | 383 | 7 |
| 8/12/2012 0:24:06 AM | 0.28 | 222 | 384 | 7 |
| 8/12/2012 0:25:06 AM | 0.28 | 223 | 385 | 7 |
| 8/12/2012 0:26:06 AM | 0.28 | 224 | 385 | 7 |
| 8/12/2012 0:27:06 AM | 0.27 | 225 | 384 | 7 |
| 8/12/2012 0:28:06 AM | 0.28 | 226 | 383 | 7 |
| 8/12/2012 0:29:06 AM | 0.27 | 226 | 383 | 7 |
| 8/12/2012 0:30:06 AM | 0.28 | 226 | 383 | 7 |
| 8/12/2012 0:31:06 AM | 0.27 | 226 | 383 | 8 |
| 8/12/2012 0:32:06 AM | 0.28 | 226 | 381 | 8 |
| 8/12/2012 0:33:06 AM | 0.28 | 226 | 381 | 8 |
| 8/12/2012 0:34:06 AM | 0.28 | 227 | 381 | 8 |
| 8/12/2012 0:35:06 AM | 0.28 | 226 | 381 | 8 |
| 8/12/2012 0:36:06 AM | 0.28 | 225 | 380 | 8 |
| 8/12/2012 0:37:06 AM | 0.28 | 224 | 379 | 8 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 0:38:06 AM | 0.28 | 223 | 381 | 8 |
| 8/12/2012 0:39:06 AM | 0.29 | 223 | 380 | 8 |
| 8/12/2012 0:40:06 AM | 0.28 | 222 | 378 | 8 |
| 8/12/2012 0:41:06 AM | 0.28 | 223 | 378 | 8 |
| 8/12/2012 0:42:06 AM | 0.28 | 224 | 377 | 8 |
| 8/12/2012 0:43:06 AM | 0.27 | 224 | 376 | 7 |
| 8/12/2012 0:44:06 AM | 0.28 | 224 | 376 | 7 |
| 8/12/2012 0:45:06 AM | 0.28 | 224 | 372 | 7 |
| 8/12/2012 0:46:06 AM | 0.28 | 225 | 373 | 7 |
| 8/12/2012 0:47:06 AM | 0.28 | 227 | 375 | 7 |
| 8/12/2012 0:48:06 AM | 0.28 | 228 | 376 | 7 |
| 8/12/2012 0:49:06 AM | 0.28 | 227 | 377 | 7 |
| 8/12/2012 0:50:06 AM | 0.28 | 227 | 378 | 7 |
| 8/12/2012 0:51:06 AM | 0.28 | 227 | 378 | 7 |
| 8/12/2012 0:52:06 AM | 0.28 | 226 | 378 | 7 |
| 8/12/2012 0:53:06 AM | 0.28 | 226 | 378 | 7 |
| 8/12/2012 0:54:06 AM | 0.27 | 226 | 378 | 7 |
| 8/12/2012 0:55:06 AM | 0.28 | 227 | 378 | 7 |
| 8/12/2012 0:56:06 AM | 0.27 | 227 | 378 | 7 |
| 8/12/2012 0:57:06 AM | 0.28 | 226 | 377 | 7 |
| 8/12/2012 0:58:06 AM | 0.28 | 224 | 377 | 7 |
| 8/12/2012 0:59:06 AM | 0.29 | 222 | 375 | 7 |
| 8/12/2012 1:00:06 AM | 0.28 | 220 | 374 | 7 |
| 8/12/2012 1:01:06 AM | 0.28 | 219 | 372 | 7 |
| 8/12/2012 1:02:06 AM | 0.28 | 219 | 371 | 7 |
| 8/12/2012 1:03:06 AM | 0.29 | 219 | 371 | 7 |
| 8/12/2012 1:04:06 AM | 0.28 | 219 | 370 | 7 |
| 8/12/2012 1:05:06 AM | 0.28 | 221 | 370 | 7 |
| 8/12/2012 1:06:06 AM | 0.28 | 222 | 372 | 7 |
| 8/12/2012 1:07:06 AM | 0.28 | 222 | 372 | 7 |
| 8/12/2012 1:08:06 AM | 0.28 | 223 | 373 | 7 |
| 8/12/2012 1:09:06 AM | 0.28 | 224 | 374 | 7 |
| 8/12/2012 1:10:06 AM | 0.28 | 225 | 373 | 7 |
| 8/12/2012 1:11:06 AM | 0.27 | 226 | 374 | 7 |
| 8/12/2012 1:12:06 AM | 0.28 | 225 | 374 | 7 |
| 8/12/2012 1:13:06 AM | 0.28 | 225 | 375 | 7 |
| 8/12/2012 1:14:06 AM | 0.28 | 225 | 374 | 7 |
| 8/12/2012 1:15:06 AM | 0.28 | 226 | 374 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 1:16:06 AM | 0.28 | 226 | 375 | 7 |
| 8/12/2012 1:17:06 AM | 0.28 | 226 | 375 | 7 |
| 8/12/2012 1:18:06 AM | 0.28 | 226 | 375 | 7 |
| 8/12/2012 1:19:06 AM | 0.28 | 225 | 377 | 7 |
| 8/12/2012 1:20:06 AM | 0.28 | 226 | 375 | 7 |
| 8/12/2012 1:21:06 AM | 0.28 | 227 | 375 | 7 |
| 8/12/2012 1:22:06 AM | 0.27 | 227 | 376 | 7 |
| 8/12/2012 1:23:06 AM | 0.27 | 228 | 377 | 7 |
| 8/12/2012 1:24:06 AM | 0.28 | 227 | 378 | 7 |
| 8/12/2012 1:25:06 AM | 0.28 | 227 | 377 | 7 |
| 8/12/2012 1:26:06 AM | 0.28 | 227 | 378 | 7 |
| 8/12/2012 1:27:06 AM | 0.28 | 226 | 376 | 7 |
| 8/12/2012 1:28:06 AM | 0.28 | 226 | 377 | 7 |
| 8/12/2012 1:29:06 AM | 0.28 | 226 | 378 | 7 |
| 8/12/2012 1:30:06 AM | 0.28 | 226 | 378 | 7 |
| 8/12/2012 1:31:06 AM | 0.28 | 226 | 379 | 7 |
| 8/12/2012 1:32:06 AM | 0.28 | 225 | 378 | 7 |
| 8/12/2012 1:33:06 AM | 0.28 | 225 | 377 | 7 |
| 8/12/2012 1:34:06 AM | 0.28 | 225 | 377 | 7 |
| 8/12/2012 1:35:06 AM | 0.28 | 225 | 376 | 7 |
| 8/12/2012 1:36:06 AM | 0.28 | 226 | 377 | 7 |
| 8/12/2012 1:37:06 AM | 0.28 | 226 | 378 | 7 |
| 8/12/2012 1:38:06 AM | 0.28 | 225 | 377 | 7 |
| 8/12/2012 1:39:06 AM | 0.29 | 224 | 377 | 7 |
| 8/12/2012 1:40:06 AM | 0.29 | 224 | 378 | 7 |
| 8/12/2012 1:41:06 AM | 0.28 | 224 | 377 | 7 |
| 8/12/2012 1:42:06 AM | 0.28 | 225 | 379 | 7 |
| 8/12/2012 1:43:06 AM | 0.28 | 226 | 382 | 7 |
| 8/12/2012 1:44:06 AM | 0.28 | 225 | 382 | 7 |
| 8/12/2012 1:45:06 AM | 0.28 | 225 | 382 | 7 |
| 8/12/2012 1:46:06 AM | 0.29 | 225 | 383 | 7 |
| 8/12/2012 1:47:06 AM | 0.28 | 224 | 383 | 7 |
| 8/12/2012 1:48:06 AM | 0.28 | 224 | 384 | 7 |
| 8/12/2012 1:49:06 AM | 0.28 | 224 | 382 | 7 |
| 8/12/2012 1:50:06 AM | 0.29 | 224 | 384 | 7 |
| 8/12/2012 1:51:06 AM | 0.28 | 225 | 383 | 7 |
| 8/12/2012 1:52:06 AM | 0.28 | 225 | 383 | 7 |
| 8/12/2012 1:53:06 AM | 0.28 | 226 | 385 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 1:54:06 AM | 0.28 | 226 | 386 | 7 |
| 8/12/2012 1:55:06 AM | 0.28 | 226 | 383 | 7 |
| 8/12/2012 1:56:06 AM | 0.28 | 226 | 383 | 7 |
| 8/12/2012 1:57:06 AM | 0.28 | 227 | 383 | 7 |
| 8/12/2012 1:58:06 AM | 0.28 | 227 | 383 | 7 |
| 8/12/2012 1:59:06 AM | 0.28 | 227 | 382 | 7 |
| 8/12/2012 2:00:06 AM | 0.28 | 227 | 382 | 7 |
| 8/12/2012 2:01:06 AM | 0.28 | 227 | 382 | 7 |
| 8/12/2012 2:02:06 AM | 0.28 | 227 | 382 | 7 |
| 8/12/2012 2:03:06 AM | 0.28 | 227 | 381 | 7 |
| 8/12/2012 2:04:06 AM | 0.28 | 227 | 381 | 7 |
| 8/12/2012 2:05:06 AM | 0.28 | 226 | 381 | 7 |
| 8/12/2012 2:06:06 AM | 0.28 | 227 | 380 | 7 |
| 8/12/2012 2:07:06 AM | 0.28 | 227 | 380 | 7 |
| 8/12/2012 2:08:06 AM | 0.28 | 228 | 381 | 7 |
| 8/12/2012 2:09:06 AM | 0.28 | 229 | 381 | 7 |
| 8/12/2012 2:10:06 AM | 0.27 | 229 | 381 | 7 |
| 8/12/2012 2:11:06 AM | 0.27 | 230 | 382 | 7 |
| 8/12/2012 2:12:06 AM | 0.27 | 230 | 382 | 7 |
| 8/12/2012 2:13:06 AM | 0.27 | 230 | 383 | 7 |
| 8/12/2012 2:14:06 AM | 0.28 | 230 | 385 | 7 |
| 8/12/2012 2:15:06 AM | 0.28 | 230 | 384 | 7 |
| 8/12/2012 2:16:06 AM | 0.28 | 230 | 384 | 7 |
| 8/12/2012 2:17:06 AM | 0.28 | 229 | 383 | 7 |
| 8/12/2012 2:18:06 AM | 0.27 | 229 | 383 | 7 |
| 8/12/2012 2:19:06 AM | 0.28 | 229 | 383 | 7 |
| 8/12/2012 2:20:06 AM | 0.28 | 229 | 382 | 7 |
| 8/12/2012 2:21:06 AM | 0.28 | 230 | 386 | 7 |
| 8/12/2012 2:22:06 AM | 0.28 | 229 | 387 | 7 |
| 8/12/2012 2:23:06 AM | 0.28 | 230 | 388 | 7 |
| 8/12/2012 2:24:06 AM | 0.27 | 230 | 389 | 7 |
| 8/12/2012 2:25:06 AM | 0.27 | 230 | 391 | 7 |
| 8/12/2012 2:26:06 AM | 0.28 | 230 | 393 | 7 |
| 8/12/2012 2:27:06 AM | 0.28 | 230 | 393 | 7 |
| 8/12/2012 2:28:06 AM | 0.28 | 229 | 393 | 6 |
| 8/12/2012 2:29:06 AM | 0.28 | 229 | 394 | 6 |
| 8/12/2012 2:30:06 AM | 0.28 | 228 | 393 | 6 |
| 8/12/2012 2:31:06 AM | 0.28 | 228 | 395 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 2:32:06 AM | 0.28 | 228 | 395 | 6 |
| 8/12/2012 2:33:06 AM | 0.27 | 228 | 394 | 6 |
| 8/12/2012 2:34:06 AM | 0.28 | 229 | 393 | 7 |
| 8/12/2012 2:35:06 AM | 0.27 | 230 | 394 | 7 |
| 8/12/2012 2:36:06 AM | 0.28 | 230 | 393 | 7 |
| 8/12/2012 2:37:06 AM | 0.28 | 230 | 393 | 7 |
| 8/12/2012 2:38:06 AM | 0.28 | 230 | 394 | 7 |
| 8/12/2012 2:39:06 AM | 0.28 | 230 | 392 | 7 |
| 8/12/2012 2:40:06 AM | 0.28 | 230 | 392 | 7 |
| 8/12/2012 2:41:06 AM | 0.28 | 230 | 391 | 7 |
| 8/12/2012 2:42:06 AM | 0.28 | 230 | 391 | 7 |
| 8/12/2012 2:43:06 AM | 0.28 | 230 | 390 | 7 |
| 8/12/2012 2:44:06 AM | 0.28 | 230 | 389 | 7 |
| 8/12/2012 2:45:06 AM | 0.28 | 230 | 388 | 7 |
| 8/12/2012 2:46:06 AM | 0.28 | 230 | 388 | 7 |
| 8/12/2012 2:47:06 AM | 0.28 | 229 | 389 | 7 |
| 8/12/2012 2:48:06 AM | 0.28 | 229 | 387 | 7 |
| 8/12/2012 2:49:06 AM | 0.28 | 229 | 388 | 7 |
| 8/12/2012 2:50:06 AM | 0.27 | 228 | 386 | 7 |
| 8/12/2012 2:51:06 AM | 0.28 | 228 | 386 | 7 |
| 8/12/2012 2:52:06 AM | 0.28 | 228 | 386 | 7 |
| 8/12/2012 2:53:06 AM | 0.28 | 227 | 387 | 7 |
| 8/12/2012 2:54:06 AM | 0.28 | 228 | 385 | 7 |
| 8/12/2012 2:55:06 AM | 0.28 | 228 | 385 | 7 |
| 8/12/2012 2:56:06 AM | 0.28 | 228 | 385 | 7 |
| 8/12/2012 2:57:06 AM | 0.28 | 228 | 385 | 7 |
| 8/12/2012 2:58:06 AM | 0.28 | 228 | 384 | 7 |
| 8/12/2012 2:59:06 AM | 0.28 | 227 | 385 | 7 |
| 8/12/2012 3:00:06 AM | 0.28 | 227 | 385 | 7 |
| 8/12/2012 3:01:06 AM | 0.28 | 226 | 383 | 7 |
| 8/12/2012 3:02:06 AM | 0.28 | 226 | 383 | 7 |
| 8/12/2012 3:03:06 AM | 0.28 | 225 | 383 | 7 |
| 8/12/2012 3:04:06 AM | 0.28 | 226 | 382 | 7 |
| 8/12/2012 3:05:06 AM | 0.28 | 226 | 382 | 7 |
| 8/12/2012 3:06:06 AM | 0.28 | 226 | 382 | 7 |
| 8/12/2012 3:07:06 AM | 0.28 | 226 | 381 | 7 |
| 8/12/2012 3:08:06 AM | 0.28 | 226 | 382 | 7 |
| 8/12/2012 3:09:06 AM | 0.28 | 226 | 382 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 3:10:06 AM | 0.29 | 225 | 381 | 7 |
| 8/12/2012 3:11:06 AM | 0.29 | 224 | 383 | 7 |
| 8/12/2012 3:12:06 AM | 0.29 | 224 | 382 | 7 |
| 8/12/2012 3:13:06 AM | 0.29 | 224 | 382 | 7 |
| 8/12/2012 3:14:06 AM | 0.29 | 223 | 382 | 7 |
| 8/12/2012 3:15:06 AM | 0.28 | 223 | 382 | 7 |
| 8/12/2012 3:16:06 AM | 0.29 | 222 | 383 | 7 |
| 8/12/2012 3:17:06 AM | 0.29 | 222 | 383 | 7 |
| 8/12/2012 3:18:06 AM | 0.29 | 222 | 383 | 7 |
| 8/12/2012 3:19:06 AM | 0.29 | 222 | 383 | 7 |
| 8/12/2012 3:20:06 AM | 0.29 | 223 | 383 | 7 |
| 8/12/2012 3:21:06 AM | 0.29 | 223 | 383 | 7 |
| 8/12/2012 3:22:06 AM | 0.28 | 223 | 384 | 7 |
| 8/12/2012 3:23:06 AM | 0.29 | 223 | 386 | 7 |
| 8/12/2012 3:24:06 AM | 0.29 | 222 | 385 | 7 |
| 8/12/2012 3:25:06 AM | 0.29 | 222 | 384 | 7 |
| 8/12/2012 3:26:06 AM | 0.29 | 221 | 384 | 7 |
| 8/12/2012 3:27:06 AM | 0.29 | 222 | 383 | 7 |
| 8/12/2012 3:28:06 AM | 0.29 | 222 | 383 | 7 |
| 8/12/2012 3:29:06 AM | 0.29 | 222 | 382 | 7 |
| 8/12/2012 3:30:06 AM | 0.29 | 222 | 382 | 7 |
| 8/12/2012 3:31:06 AM | 0.29 | 223 | 382 | 7 |
| 8/12/2012 3:32:06 AM | 0.28 | 223 | 381 | 7 |
| 8/12/2012 3:33:06 AM | 0.28 | 224 | 381 | 7 |
| 8/12/2012 3:34:06 AM | 0.28 | 224 | 381 | 7 |
| 8/12/2012 3:35:06 AM | 0.28 | 225 | 382 | 7 |
| 8/12/2012 3:36:06 AM | 0.28 | 226 | 382 | 7 |
| 8/12/2012 3:37:06 AM | 0.28 | 227 | 382 | 7 |
| 8/12/2012 3:38:06 AM | 0.28 | 228 | 383 | 7 |
| 8/12/2012 3:39:06 AM | 0.28 | 229 | 383 | 7 |
| 8/12/2012 3:40:06 AM | 0.28 | 229 | 384 | 7 |
| 8/12/2012 3:41:06 AM | 0.28 | 230 | 386 | 7 |
| 8/12/2012 3:42:06 AM | 0.28 | 230 | 386 | 7 |
| 8/12/2012 3:43:06 AM | 0.27 | 231 | 387 | 7 |
| 8/12/2012 3:44:06 AM | 0.28 | 230 | 387 | 7 |
| 8/12/2012 3:45:06 AM | 0.27 | 230 | 389 | 7 |
| 8/12/2012 3:46:06 AM | 0.27 | 230 | 389 | 7 |
| 8/12/2012 3:47:06 AM | 0.28 | 230 | 388 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 3:48:06 AM | 0.28 | 230 | 388 | 7 |
| 8/12/2012 3:49:06 AM | 0.27 | 231 | 388 | 7 |
| 8/12/2012 3:50:06 AM | 0.27 | 231 | 387 | 7 |
| 8/12/2012 3:51:06 AM | 0.27 | 231 | 388 | 7 |
| 8/12/2012 3:52:06 AM | 0.27 | 231 | 387 | 7 |
| 8/12/2012 3:53:06 AM | 0.27 | 230 | 387 | 7 |
| 8/12/2012 3:54:06 AM | 0.27 | 229 | 385 | 7 |
| 8/12/2012 3:55:06 AM | 0.27 | 228 | 383 | 7 |
| 8/12/2012 3:56:06 AM | 0.27 | 228 | 382 | 7 |
| 8/12/2012 3:57:06 AM | 0.27 | 228 | 381 | 7 |
| 8/12/2012 3:58:06 AM | 0.27 | 228 | 377 | 7 |
| 8/12/2012 3:59:06 AM | 0.27 | 229 | 378 | 7 |
| 8/12/2012 4:00:06 AM | 0.27 | 229 | 378 | 7 |
| 8/12/2012 4:01:06 AM | 0.27 | 229 | 377 | 7 |
| 8/12/2012 4:02:06 AM | 0.27 | 230 | 378 | 7 |
| 8/12/2012 4:03:06 AM | 0.27 | 230 | 381 | 7 |
| 8/12/2012 4:04:06 AM | 0.27 | 230 | 382 | 7 |
| 8/12/2012 4:05:06 AM | 0.27 | 229 | 382 | 7 |
| 8/12/2012 4:06:06 AM | 0.27 | 229 | 381 | 7 |
| 8/12/2012 4:07:06 AM | 0.27 | 228 | 382 | 7 |
| 8/12/2012 4:08:06 AM | 0.27 | 227 | 382 | 7 |
| 8/12/2012 4:09:06 AM | 0.28 | 227 | 382 | 7 |
| 8/12/2012 4:10:06 AM | 0.28 | 227 | 382 | 7 |
| 8/12/2012 4:11:06 AM | 0.28 | 227 | 380 | 7 |
| 8/12/2012 4:12:06 AM | 0.27 | 228 | 382 | 7 |
| 8/12/2012 4:13:06 AM | 0.27 | 228 | 383 | 7 |
| 8/12/2012 4:14:06 AM | 0.27 | 229 | 383 | 7 |
| 8/12/2012 4:15:06 AM | 0.27 | 229 | 384 | 7 |
| 8/12/2012 4:16:06 AM | 0.27 | 229 | 386 | 7 |
| 8/12/2012 4:17:06 AM | 0.27 | 230 | 387 | 7 |
| 8/12/2012 4:18:06 AM | 0.27 | 230 | 387 | 7 |
| 8/12/2012 4:19:06 AM | 0.27 | 230 | 386 | 7 |
| 8/12/2012 4:20:06 AM | 0.28 | 230 | 385 | 7 |
| 8/12/2012 4:21:06 AM | 0.27 | 230 | 385 | 7 |
| 8/12/2012 4:22:06 AM | 0.28 | 231 | 385 | 7 |
| 8/12/2012 4:23:06 AM | 0.28 | 231 | 384 | 7 |
| 8/12/2012 4:24:06 AM | 0.27 | 231 | 384 | 7 |
| 8/12/2012 4:25:06 AM | 0.27 | 231 | 383 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 4:26:06 AM | 0.27 | 231 | 383 | 7 |
| 8/12/2012 4:27:06 AM | 0.28 | 231 | 383 | 7 |
| 8/12/2012 4:28:06 AM | 0.28 | 232 | 382 | 7 |
| 8/12/2012 4:29:06 AM | 0.27 | 232 | 383 | 7 |
| 8/12/2012 4:30:06 AM | 0.27 | 232 | 382 | 7 |
| 8/12/2012 4:31:06 AM | 0.27 | 231 | 380 | 7 |
| 8/12/2012 4:32:06 AM | 0.27 | 231 | 382 | 7 |
| 8/12/2012 4:33:06 AM | 0.27 | 231 | 381 | 7 |
| 8/12/2012 4:34:06 AM | 0.27 | 230 | 382 | 7 |
| 8/12/2012 4:35:06 AM | 0.27 | 231 | 383 | 7 |
| 8/12/2012 4:36:06 AM | 0.27 | 231 | 382 | 7 |
| 8/12/2012 4:37:06 AM | 0.27 | 231 | 382 | 7 |
| 8/12/2012 4:38:06 AM | 0.27 | 231 | 382 | 7 |
| 8/12/2012 4:39:06 AM | 0.27 | 231 | 380 | 7 |
| 8/12/2012 4:40:06 AM | 0.27 | 231 | 379 | 7 |
| 8/12/2012 4:41:06 AM | 0.27 | 230 | 379 | 7 |
| 8/12/2012 4:42:06 AM | 0.28 | 229 | 378 | 7 |
| 8/12/2012 4:43:06 AM | 0.27 | 228 | 378 | 7 |
| 8/12/2012 4:44:06 AM | 0.28 | 227 | 378 | 7 |
| 8/12/2012 4:45:06 AM | 0.28 | 227 | 377 | 7 |
| 8/12/2012 4:46:06 AM | 0.27 | 226 | 374 | 7 |
| 8/12/2012 4:47:06 AM | 0.28 | 227 | 373 | 7 |
| 8/12/2012 4:48:06 AM | 0.27 | 227 | 373 | 7 |
| 8/12/2012 4:49:06 AM | 0.27 | 228 | 373 | 7 |
| 8/12/2012 4:50:06 AM | 0.27 | 229 | 372 | 7 |
| 8/12/2012 4:51:06 AM | 0.27 | 230 | 372 | 7 |
| 8/12/2012 4:52:06 AM | 0.27 | 231 | 372 | 7 |
| 8/12/2012 4:53:06 AM | 0.27 | 231 | 374 | 7 |
| 8/12/2012 4:54:06 AM | 0.27 | 232 | 374 | 7 |
| 8/12/2012 4:55:06 AM | 0.27 | 232 | 375 | 7 |
| 8/12/2012 4:56:06 AM | 0.27 | 233 | 377 | 7 |
| 8/12/2012 4:57:06 AM | 0.27 | 232 | 377 | 7 |
| 8/12/2012 4:58:06 AM | 0.27 | 233 | 378 | 7 |
| 8/12/2012 4:59:06 AM | 0.27 | 233 | 378 | 7 |
| 8/12/2012 5:00:06 AM | 0.27 | 233 | 379 | 7 |
| 8/12/2012 5:01:06 AM | 0.27 | 233 | 382 | 6 |
| 8/12/2012 5:02:06 AM | 0.27 | 232 | 382 | 6 |
| 8/12/2012 5:03:06 AM | 0.28 | 232 | 383 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 5:04:06 AM | 0.27 | 232 | 384 | 6 |
| 8/12/2012 5:05:06 AM | 0.27 | 232 | 384 | 6 |
| 8/12/2012 5:06:06 AM | 0.27 | 231 | 386 | 6 |
| 8/12/2012 5:07:06 AM | 0.28 | 231 | 386 | 6 |
| 8/12/2012 5:08:06 AM | 0.27 | 231 | 387 | 6 |
| 8/12/2012 5:09:06 AM | 0.27 | 231 | 387 | 6 |
| 8/12/2012 5:10:06 AM | 0.27 | 231 | 387 | 6 |
| 8/12/2012 5:11:06 AM | 0.27 | 230 | 387 | 6 |
| 8/12/2012 5:12:06 AM | 0.28 | 230 | 388 | 6 |
| 8/12/2012 5:13:06 AM | 0.27 | 229 | 387 | 6 |
| 8/12/2012 5:14:06 AM | 0.27 | 229 | 387 | 6 |
| 8/12/2012 5:15:06 AM | 0.27 | 229 | 384 | 6 |
| 8/12/2012 5:16:06 AM | 0.27 | 228 | 384 | 7 |
| 8/12/2012 5:17:06 AM | 0.27 | 229 | 382 | 7 |
| 8/12/2012 5:18:06 AM | 0.27 | 229 | 382 | 7 |
| 8/12/2012 5:19:06 AM | 0.27 | 230 | 383 | 7 |
| 8/12/2012 5:20:06 AM | 0.26 | 230 | 382 | 7 |
| 8/12/2012 5:21:06 AM | 0.27 | 231 | 383 | 7 |
| 8/12/2012 5:22:06 AM | 0.27 | 231 | 383 | 7 |
| 8/12/2012 5:23:06 AM | 0.28 | 231 | 381 | 7 |
| 8/12/2012 5:24:06 AM | 0.27 | 231 | 382 | 7 |
| 8/12/2012 5:25:06 AM | 0.27 | 230 | 382 | 7 |
| 8/12/2012 5:26:06 AM | 0.27 | 229 | 382 | 7 |
| 8/12/2012 5:27:06 AM | 0.27 | 229 | 379 | 7 |
| 8/12/2012 5:28:06 AM | 0.27 | 229 | 377 | 7 |
| 8/12/2012 5:29:06 AM | 0.28 | 229 | 378 | 7 |
| 8/12/2012 5:30:06 AM | 0.27 | 229 | 378 | 7 |
| 8/12/2012 5:31:06 AM | 0.27 | 230 | 378 | 7 |
| 8/12/2012 5:32:06 AM | 0.27 | 230 | 377 | 7 |
| 8/12/2012 5:33:06 AM | 0.27 | 230 | 376 | 7 |
| 8/12/2012 5:34:06 AM | 0.27 | 231 | 377 | 7 |
| 8/12/2012 5:35:06 AM | 0.28 | 231 | 377 | 6 |
| 8/12/2012 5:36:06 AM | 0.27 | 230 | 378 | 6 |
| 8/12/2012 5:37:06 AM | 0.28 | 230 | 379 | 6 |
| 8/12/2012 5:38:06 AM | 0.27 | 229 | 382 | 6 |
| 8/12/2012 5:39:06 AM | 0.27 | 229 | 379 | 6 |
| 8/12/2012 5:40:06 AM | 0.27 | 228 | 379 | 6 |
| 8/12/2012 5:41:06 AM | 0.27 | 228 | 381 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 5:42:06 AM | 0.27 | 227 | 380 | 6 |
| 8/12/2012 5:43:06 AM | 0.27 | 227 | 382 | 6 |
| 8/12/2012 5:44:06 AM | 0.27 | 228 | 382 | 6 |
| 8/12/2012 5:45:06 AM | 0.27 | 228 | 382 | 6 |
| 8/12/2012 5:46:06 AM | 0.27 | 229 | 382 | 6 |
| 8/12/2012 5:47:06 AM | 0.27 | 229 | 383 | 6 |
| 8/12/2012 5:48:06 AM | 0.27 | 229 | 383 | 6 |
| 8/12/2012 5:49:06 AM | 0.27 | 229 | 383 | 6 |
| 8/12/2012 5:50:06 AM | 0.27 | 229 | 383 | 6 |
| 8/12/2012 5:51:06 AM | 0.27 | 229 | 382 | 6 |
| 8/12/2012 5:52:06 AM | 0.28 | 228 | 382 | 7 |
| 8/12/2012 5:53:06 AM | 0.27 | 229 | 381 | 7 |
| 8/12/2012 5:54:06 AM | 0.27 | 229 | 380 | 7 |
| 8/12/2012 5:55:06 AM | 0.27 | 229 | 381 | 7 |
| 8/12/2012 5:56:06 AM | 0.27 | 229 | 381 | 7 |
| 8/12/2012 5:57:06 AM | 0.27 | 228 | 380 | 7 |
| 8/12/2012 5:58:06 AM | 0.27 | 228 | 380 | 7 |
| 8/12/2012 5:59:06 AM | 0.27 | 228 | 381 | 7 |
| 8/12/2012 6:00:06 AM | 0.27 | 229 | 379 | 7 |
| 8/12/2012 6:01:06 AM | 0.27 | 229 | 379 | 7 |
| 8/12/2012 6:02:06 AM | 0.27 | 228 | 380 | 7 |
| 8/12/2012 6:03:06 AM | 0.27 | 229 | 381 | 7 |
| 8/12/2012 6:04:06 AM | 0.27 | 229 | 383 | 7 |
| 8/12/2012 6:05:06 AM | 0.27 | 229 | 383 | 7 |
| 8/12/2012 6:06:06 AM | 0.28 | 229 | 381 | 7 |
| 8/12/2012 6:07:06 AM | 0.27 | 229 | 382 | 7 |
| 8/12/2012 6:08:06 AM | 0.28 | 230 | 381 | 7 |
| 8/12/2012 6:09:06 AM | 0.27 | 229 | 379 | 7 |
| 8/12/2012 6:10:06 AM | 0.27 | 228 | 380 | 7 |
| 8/12/2012 6:11:06 AM | 0.27 | 229 | 380 | 7 |
| 8/12/2012 6:12:06 AM | 0.27 | 229 | 379 | 7 |
| 8/12/2012 6:13:06 AM | 0.28 | 230 | 377 | 7 |
| 8/12/2012 6:14:06 AM | 0.27 | 230 | 379 | 7 |
| 8/12/2012 6:15:06 AM | 0.27 | 230 | 379 | 7 |
| 8/12/2012 6:16:06 AM | 0.27 | 230 | 381 | 7 |
| 8/12/2012 6:17:06 AM | 0.27 | 230 | 383 | 6 |
| 8/12/2012 6:18:06 AM | 0.28 | 230 | 382 | 6 |
| 8/12/2012 6:19:06 AM | 0.27 | 230 | 383 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 6:20:06 AM | 0.27 | 230 | 384 | 6 |
| 8/12/2012 6:21:06 AM | 0.27 | 230 | 385 | 6 |
| 8/12/2012 6:22:06 AM | 0.27 | 229 | 385 | 6 |
| 8/12/2012 6:23:06 AM | 0.27 | 229 | 386 | 6 |
| 8/12/2012 6:24:06 AM | 0.27 | 230 | 386 | 6 |
| 8/12/2012 6:25:06 AM | 0.27 | 230 | 386 | 6 |
| 8/12/2012 6:26:06 AM | 0.27 | 230 | 387 | 6 |
| 8/12/2012 6:27:06 AM | 0.27 | 230 | 387 | 6 |
| 8/12/2012 6:28:06 AM | 0.27 | 230 | 387 | 6 |
| 8/12/2012 6:29:06 AM | 0.27 | 231 | 387 | 6 |
| 8/12/2012 6:30:06 AM | 0.27 | 232 | 388 | 6 |
| 8/12/2012 6:31:06 AM | 0.27 | 232 | 389 | 6 |
| 8/12/2012 6:32:06 AM | 0.27 | 232 | 390 | 6 |
| 8/12/2012 6:33:06 AM | 0.27 | 232 | 390 | 6 |
| 8/12/2012 6:34:06 AM | 0.27 | 232 | 390 | 7 |
| 8/12/2012 6:35:06 AM | 0.27 | 232 | 389 | 7 |
| 8/12/2012 6:36:06 AM | 0.27 | 231 | 389 | 7 |
| 8/12/2012 6:37:06 AM | 0.27 | 230 | 388 | 7 |
| 8/12/2012 6:38:06 AM | 0.27 | 229 | 386 | 7 |
| 8/12/2012 6:39:06 AM | 0.28 | 229 | 386 | 7 |
| 8/12/2012 6:40:06 AM | 0.27 | 228 | 385 | 7 |
| 8/12/2012 6:41:06 AM | 0.27 | 228 | 383 | 7 |
| 8/12/2012 6:42:06 AM | 0.27 | 228 | 383 | 7 |
| 8/12/2012 6:43:06 AM | 0.27 | 228 | 382 | 7 |
| 8/12/2012 6:44:06 AM | 0.27 | 228 | 382 | 7 |
| 8/12/2012 6:45:06 AM | 0.28 | 228 | 381 | 7 |
| 8/12/2012 6:46:06 AM | 0.27 | 229 | 381 | 7 |
| 8/12/2012 6:47:06 AM | 0.28 | 229 | 380 | 7 |
| 8/12/2012 6:48:06 AM | 0.27 | 229 | 380 | 7 |
| 8/12/2012 6:49:06 AM | 0.27 | 230 | 380 | 7 |
| 8/12/2012 6:50:06 AM | 0.27 | 231 | 382 | 7 |
| 8/12/2012 6:51:06 AM | 0.27 | 231 | 382 | 7 |
| 8/12/2012 6:52:06 AM | 0.28 | 232 | 382 | 7 |
| 8/12/2012 6:53:06 AM | 0.28 | 232 | 383 | 7 |
| 8/12/2012 6:54:06 AM | 0.27 | 232 | 383 | 7 |
| 8/12/2012 6:55:06 AM | 0.27 | 232 | 382 | 7 |
| 8/12/2012 6:56:06 AM | 0.27 | 232 | 384 | 7 |
| 8/12/2012 6:57:06 AM | 0.27 | 233 | 385 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 6:58:06 AM | 0.28 | 233 | 384 | 7 |
| 8/12/2012 6:59:06 AM | 0.27 | 232 | 383 | 7 |
| 8/12/2012 7:00:06 AM | 0.27 | 232 | 385 | 7 |
| 8/12/2012 7:01:06 AM | 0.27 | 233 | 386 | 6 |
| 8/12/2012 7:02:06 AM | 0.28 | 232 | 387 | 6 |
| 8/12/2012 7:03:06 AM | 0.27 | 233 | 388 | 6 |
| 8/12/2012 7:04:06 AM | 0.27 | 233 | 390 | 7 |
| 8/12/2012 7:05:06 AM | 0.27 | 233 | 390 | 7 |
| 8/12/2012 7:06:06 AM | 0.27 | 233 | 391 | 7 |
| 8/12/2012 7:07:06 AM | 0.27 | 232 | 392 | 6 |
| 8/12/2012 7:08:06 AM | 0.28 | 232 | 392 | 6 |
| 8/12/2012 7:09:06 AM | 0.28 | 232 | 393 | 6 |
| 8/12/2012 7:10:06 AM | 0.27 | 232 | 392 | 6 |
| 8/12/2012 7:11:06 AM | 0.27 | 232 | 392 | 6 |
| 8/12/2012 7:12:06 AM | 0.27 | 232 | 392 | 6 |
| 8/12/2012 7:13:06 AM | 0.28 | 232 | 392 | 6 |
| 8/12/2012 7:14:06 AM | 0.27 | 232 | 393 | 6 |
| 8/12/2012 7:15:06 AM | 0.28 | 232 | 393 | 6 |
| 8/12/2012 7:16:06 AM | 0.27 | 232 | 392 | 7 |
| 8/12/2012 7:17:06 AM | 0.27 | 231 | 393 | 7 |
| 8/12/2012 7:18:06 AM | 0.27 | 231 | 391 | 7 |
| 8/12/2012 7:19:06 AM | 0.27 | 232 | 392 | 7 |
| 8/12/2012 7:20:06 AM | 0.27 | 232 | 391 | 7 |
| 8/12/2012 7:21:06 AM | 0.27 | 232 | 390 | 7 |
| 8/12/2012 7:22:06 AM | 0.28 | 232 | 390 | 7 |
| 8/12/2012 7:23:06 AM | 0.28 | 232 | 389 | 7 |
| 8/12/2012 7:24:06 AM | 0.27 | 232 | 390 | 7 |
| 8/12/2012 7:25:06 AM | 0.27 | 232 | 388 | 7 |
| 8/12/2012 7:26:06 AM | 0.27 | 232 | 388 | 7 |
| 8/12/2012 7:27:06 AM | 0.27 | 232 | 387 | 7 |
| 8/12/2012 7:28:06 AM | 0.27 | 233 | 388 | 7 |
| 8/12/2012 7:29:06 AM | 0.27 | 233 | 387 | 7 |
| 8/12/2012 7:30:06 AM | 0.27 | 233 | 387 | 7 |
| 8/12/2012 7:31:06 AM | 0.27 | 233 | 386 | 7 |
| 8/12/2012 7:32:06 AM | 0.28 | 234 | 385 | 7 |
| 8/12/2012 7:33:06 AM | 0.27 | 233 | 386 | 7 |
| 8/12/2012 7:34:06 AM | 0.27 | 233 | 386 | 7 |
| 8/12/2012 7:35:06 AM | 0.27 | 233 | 385 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 7:36:06 AM | 0.27 | 234 | 384 | 7 |
| 8/12/2012 7:37:06 AM | 0.27 | 233 | 383 | 7 |
| 8/12/2012 7:38:06 AM | 0.27 | 234 | 385 | 7 |
| 8/12/2012 7:39:06 AM | 0.27 | 234 | 387 | 7 |
| 8/12/2012 7:40:06 AM | 0.27 | 233 | 386 | 7 |
| 8/12/2012 7:41:06 AM | 0.27 | 233 | 386 | 7 |
| 8/12/2012 7:42:06 AM | 0.27 | 233 | 384 | 7 |
| 8/12/2012 7:43:06 AM | 0.28 | 233 | 384 | 7 |
| 8/12/2012 7:44:06 AM | 0.27 | 232 | 383 | 7 |
| 8/12/2012 7:45:06 AM | 0.27 | 232 | 383 | 7 |
| 8/12/2012 7:46:06 AM | 0.27 | 232 | 384 | 7 |
| 8/12/2012 7:47:06 AM | 0.27 | 232 | 385 | 7 |
| 8/12/2012 7:48:06 AM | 0.27 | 232 | 385 | 7 |
| 8/12/2012 7:49:06 AM | 0.27 | 233 | 386 | 7 |
| 8/12/2012 7:50:06 AM | 0.27 | 233 | 387 | 7 |
| 8/12/2012 7:51:06 AM | 0.27 | 233 | 389 | 7 |
| 8/12/2012 7:52:06 AM | 0.27 | 232 | 388 | 6 |
| 8/12/2012 7:53:06 AM | 0.27 | 233 | 390 | 6 |
| 8/12/2012 7:54:06 AM | 0.28 | 233 | 391 | 6 |
| 8/12/2012 7:55:06 AM | 0.27 | 233 | 392 | 6 |
| 8/12/2012 7:56:06 AM | 0.27 | 233 | 393 | 6 |
| 8/12/2012 7:57:06 AM | 0.27 | 233 | 393 | 6 |
| 8/12/2012 7:58:06 AM | 0.28 | 233 | 393 | 6 |
| 8/12/2012 7:59:06 AM | 0.28 | 233 | 394 | 6 |
| 8/12/2012 8:00:06 AM | 0.27 | 233 | 396 | 6 |
| 8/12/2012 8:01:06 AM | 0.27 | 233 | 396 | 6 |
| 8/12/2012 8:02:06 AM | 0.27 | 233 | 396 | 6 |
| 8/12/2012 8:03:06 AM | 0.28 | 232 | 397 | 6 |
| 8/12/2012 8:04:06 AM | 0.28 | 232 | 396 | 7 |
| 8/12/2012 8:05:06 AM | 0.28 | 231 | 397 | 7 |
| 8/12/2012 8:06:06 AM | 0.28 | 231 | 396 | 7 |
| 8/12/2012 8:07:06 AM | 0.28 | 232 | 396 | 7 |
| 8/12/2012 8:08:06 AM | 0.28 | 232 | 396 | 7 |
| 8/12/2012 8:09:06 AM | 0.28 | 232 | 396 | 7 |
| 8/12/2012 8:10:06 AM | 0.27 | 232 | 394 | 7 |
| 8/12/2012 8:11:06 AM | 0.27 | 232 | 394 | 7 |
| 8/12/2012 8:12:06 AM | 0.28 | 231 | 393 | 7 |
| 8/12/2012 8:13:06 AM | 0.27 | 230 | 393 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 8:14:06 AM | 0.28 | 230 | 392 | 7 |
| 8/12/2012 8:15:06 AM | 0.28 | 230 | 393 | 7 |
| 8/12/2012 8:16:06 AM | 0.28 | 230 | 392 | 7 |
| 8/12/2012 8:17:06 AM | 0.28 | 229 | 392 | 7 |
| 8/12/2012 8:18:06 AM | 0.27 | 229 | 391 | 7 |
| 8/12/2012 8:19:06 AM | 0.27 | 229 | 390 | 7 |
| 8/12/2012 8:20:06 AM | 0.27 | 229 | 390 | 7 |
| 8/12/2012 8:21:06 AM | 0.27 | 230 | 391 | 7 |
| 8/12/2012 8:22:06 AM | 0.27 | 230 | 389 | 7 |
| 8/12/2012 8:23:06 AM | 0.28 | 230 | 388 | 7 |
| 8/12/2012 8:24:06 AM | 0.27 | 230 | 388 | 7 |
| 8/12/2012 8:25:06 AM | 0.28 | 230 | 389 | 7 |
| 8/12/2012 8:26:06 AM | 0.28 | 231 | 389 | 7 |
| 8/12/2012 8:27:06 AM | 0.28 | 231 | 390 | 7 |
| 8/12/2012 8:28:06 AM | 0.28 | 231 | 390 | 7 |
| 8/12/2012 8:29:06 AM | 0.28 | 232 | 389 | 7 |
| 8/12/2012 8:30:06 AM | 0.27 | 232 | 388 | 7 |
| 8/12/2012 8:31:06 AM | 0.27 | 231 | 387 | 7 |
| 8/12/2012 8:32:06 AM | 0.28 | 231 | 388 | 7 |
| 8/12/2012 8:33:06 AM | 0.28 | 231 | 388 | 7 |
| 8/12/2012 8:34:06 AM | 0.27 | 231 | 388 | 7 |
| 8/12/2012 8:35:06 AM | 0.28 | 231 | 388 | 7 |
| 8/12/2012 8:36:06 AM | 0.27 | 230 | 388 | 7 |
| 8/12/2012 8:37:06 AM | 0.28 | 230 | 388 | 7 |
| 8/12/2012 8:38:06 AM | 0.28 | 230 | 389 | 7 |
| 8/12/2012 8:39:06 AM | 0.27 | 229 | 390 | 7 |
| 8/12/2012 8:40:06 AM | 0.28 | 228 | 389 | 7 |
| 8/12/2012 8:41:06 AM | 0.28 | 228 | 388 | 7 |
| 8/12/2012 8:42:06 AM | 0.28 | 228 | 388 | 7 |
| 8/12/2012 8:43:06 AM | 0.28 | 227 | 388 | 7 |
| 8/12/2012 8:44:06 AM | 0.28 | 227 | 387 | 7 |
| 8/12/2012 8:45:06 AM | 0.28 | 226 | 389 | 7 |
| 8/12/2012 8:46:06 AM | 0.28 | 226 | 387 | 7 |
| 8/12/2012 8:47:06 AM | 0.28 | 226 | 388 | 7 |
| 8/12/2012 8:48:06 AM | 0.28 | 226 | 388 | 7 |
| 8/12/2012 8:49:06 AM | 0.28 | 227 | 390 | 7 |
| 8/12/2012 8:50:06 AM | 0.28 | 226 | 392 | 7 |
| 8/12/2012 8:51:06 AM | 0.28 | 227 | 392 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 8:52:06 AM | 0.28 | 227 | 392 | 7 |
| 8/12/2012 8:53:06 AM | 0.28 | 228 | 393 | 7 |
| 8/12/2012 8:54:06 AM | 0.28 | 227 | 394 | 7 |
| 8/12/2012 8:55:06 AM | 0.28 | 227 | 395 | 7 |
| 8/12/2012 8:56:06 AM | 0.28 | 227 | 394 | 7 |
| 8/12/2012 8:57:06 AM | 0.28 | 227 | 394 | 7 |
| 8/12/2012 8:58:06 AM | 0.28 | 227 | 394 | 7 |
| 8/12/2012 8:59:06 AM | 0.28 | 226 | 394 | 7 |
| 8/12/2012 9:00:06 AM | 0.28 | 226 | 396 | 7 |
| 8/12/2012 9:01:06 AM | 0.28 | 226 | 395 | 7 |
| 8/12/2012 9:02:06 AM | 0.28 | 226 | 395 | 7 |
| 8/12/2012 9:03:06 AM | 0.28 | 227 | 394 | 7 |
| 8/12/2012 9:04:06 AM | 0.29 | 227 | 392 | 7 |
| 8/12/2012 9:05:06 AM | 0.28 | 227 | 393 | 7 |
| 8/12/2012 9:06:06 AM | 0.29 | 226 | 391 | 7 |
| 8/12/2012 9:07:06 AM | 0.29 | 226 | 390 | 7 |
| 8/12/2012 9:08:06 AM | 0.29 | 225 | 389 | 7 |
| 8/12/2012 9:09:06 AM | 0.28 | 224 | 388 | 7 |
| 8/12/2012 9:10:06 AM | 0.28 | 224 | 387 | 7 |
| 8/12/2012 9:11:06 AM | 0.29 | 225 | 385 | 7 |
| 8/12/2012 9:12:06 AM | 0.29 | 225 | 386 | 7 |
| 8/12/2012 9:13:06 AM | 0.29 | 225 | 387 | 7 |
| 8/12/2012 9:14:06 AM | 0.28 | 226 | 386 | 7 |
| 8/12/2012 9:15:06 AM | 0.29 | 226 | 384 | 7 |
| 8/12/2012 9:16:06 AM | 0.29 | 225 | 382 | 7 |
| 8/12/2012 9:17:06 AM | 0.29 | 225 | 383 | 7 |
| 8/12/2012 9:18:06 AM | 0.29 | 225 | 383 | 7 |
| 8/12/2012 9:19:06 AM | 0.29 | 224 | 382 | 7 |
| 8/12/2012 9:20:06 AM | 0.28 | 224 | 382 | 7 |
| 8/12/2012 9:21:06 AM | 0.28 | 225 | 381 | 7 |
| 8/12/2012 9:22:06 AM | 0.29 | 225 | 379 | 7 |
| 8/12/2012 9:23:06 AM | 0.29 | 225 | 381 | 7 |
| 8/12/2012 9:24:06 AM | 0.28 | 225 | 379 | 7 |
| 8/12/2012 9:25:06 AM | 0.28 | 226 | 379 | 7 |
| 8/12/2012 9:26:06 AM | 0.28 | 226 | 377 | 7 |
| 8/12/2012 9:27:06 AM | 0.28 | 226 | 378 | 7 |
| 8/12/2012 9:28:06 AM | 0.28 | 227 | 379 | 7 |
| 8/12/2012 9:29:06 AM | 0.28 | 227 | 379 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 9:30:06 AM | 0.28 | 226 | 380 | 7 |
| 8/12/2012 9:31:06 AM | 0.28 | 226 | 379 | 7 |
| 8/12/2012 9:32:06 AM | 0.28 | 226 | 380 | 7 |
| 8/12/2012 9:33:06 AM | 0.28 | 227 | 378 | 7 |
| 8/12/2012 9:34:06 AM | 0.28 | 226 | 380 | 7 |
| 8/12/2012 9:35:06 AM | 0.28 | 226 | 378 | 7 |
| 8/12/2012 9:36:06 AM | 0.29 | 226 | 379 | 7 |
| 8/12/2012 9:37:06 AM | 0.29 | 226 | 379 | 7 |
| 8/12/2012 9:38:06 AM | 0.29 | 225 | 378 | 7 |
| 8/12/2012 9:39:06 AM | 0.29 | 224 | 379 | 7 |
| 8/12/2012 9:40:06 AM | 0.29 | 224 | 378 | 7 |
| 8/12/2012 9:41:06 AM | 0.29 | 224 | 379 | 7 |
| 8/12/2012 9:42:06 AM | 0.29 | 222 | 380 | 7 |
| 8/12/2012 9:43:06 AM | 0.29 | 222 | 380 | 7 |
| 8/12/2012 9:44:06 AM | 0.29 | 223 | 379 | 7 |
| 8/12/2012 9:45:06 AM | 0.28 | 224 | 380 | 7 |
| 8/12/2012 9:46:06 AM | 0.28 | 224 | 382 | 7 |
| 8/12/2012 9:47:06 AM | 0.29 | 225 | 382 | 7 |
| 8/12/2012 9:48:06 AM | 0.28 | 226 | 384 | 7 |
| 8/12/2012 9:49:06 AM | 0.28 | 226 | 384 | 7 |
| 8/12/2012 9:50:06 AM | 0.28 | 226 | 386 | 7 |
| 8/12/2012 9:51:06 AM | 0.28 | 227 | 388 | 7 |
| 8/12/2012 9:52:06 AM | 0.28 | 226 | 388 | 7 |
| 8/12/2012 9:53:06 AM | 0.28 | 225 | 388 | 7 |
| 8/12/2012 9:54:06 AM | 0.28 | 225 | 389 | 7 |
| 8/12/2012 9:55:06 AM | 0.28 | 224 | 388 | 7 |
| 8/12/2012 9:56:06 AM | 0.28 | 224 | 388 | 7 |
| 8/12/2012 9:57:06 AM | 0.28 | 224 | 387 | 7 |
| 8/12/2012 9:58:06 AM | 0.29 | 224 | 388 | 7 |
| 8/12/2012 9:59:06 AM | 0.28 | 225 | 388 | 7 |
| 8/12/2012 10:00:06 AM | 0.28 | 225 | 387 | 7 |
| 8/12/2012 10:01:06 AM | 0.29 | 225 | 385 | 7 |
| 8/12/2012 10:02:06 AM | 0.29 | 224 | 383 | 7 |
| 8/12/2012 10:03:06 AM | 0.28 | 224 | 382 | 7 |
| 8/12/2012 10:04:06 AM | 0.28 | 224 | 379 | 7 |
| 8/12/2012 10:05:06 AM | 0.29 | 218 | 378 | 7 |
| 8/12/2012 10:06:06 AM | 0.29 | 212 | 377 | 7 |
| 8/12/2012 10:07:06 AM | 0.29 | 209 | 373 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 10:08:06 AM | 0.29 | 208 | 370 | 7 |
| 8/12/2012 10:09:06 AM | 0.30 | 205 | 368 | 7 |
| 8/12/2012 10:10:06 AM | 0.30 | 204 | 368 | 7 |
| 8/12/2012 10:11:06 AM | 0.30 | 202 | 365 | 7 |
| 8/12/2012 10:12:06 AM | 0.29 | 201 | 363 | 7 |
| 8/12/2012 10:13:06 AM | 0.30 | 200 | 362 | 7 |
| 8/12/2012 10:14:06 AM | 0.29 | 200 | 362 | 7 |
| 8/12/2012 10:15:06 AM | 0.30 | 200 | 362 | 7 |
| 8/12/2012 10:16:06 AM | 0.29 | 200 | 362 | 7 |
| 8/12/2012 10:17:06 AM | 0.29 | 200 | 360 | 7 |
| 8/12/2012 10:18:06 AM | 0.29 | 201 | 360 | 7 |
| 8/12/2012 10:19:06 AM | 0.29 | 201 | 360 | 7 |
| 8/12/2012 10:20:06 AM | 0.29 | 201 | 359 | 7 |
| 8/12/2012 10:21:06 AM | 0.29 | 201 | 358 | 7 |
| 8/12/2012 10:22:06 AM | 0.29 | 201 | 357 | 7 |
| 8/12/2012 10:23:06 AM | 0.29 | 201 | 358 | 7 |
| 8/12/2012 10:24:06 AM | 0.29 | 201 | 358 | 7 |
| 8/12/2012 10:25:06 AM | 0.29 | 202 | 359 | 7 |
| 8/12/2012 10:26:06 AM | 0.29 | 201 | 358 | 7 |
| 8/12/2012 10:27:06 AM | 0.29 | 201 | 358 | 7 |
| 8/12/2012 10:28:06 AM | 0.29 | 200 | 357 | 7 |
| 8/12/2012 10:29:06 AM | 0.29 | 201 | 357 | 7 |
| 8/12/2012 10:30:06 AM | 0.29 | 202 | 358 | 7 |
| 8/12/2012 10:31:06 AM | 0.29 | 203 | 357 | 7 |
| 8/12/2012 10:32:06 AM | 0.29 | 204 | 357 | 7 |
| 8/12/2012 10:33:06 AM | 0.29 | 205 | 358 | 7 |
| 8/12/2012 10:34:06 AM | 0.29 | 205 | 359 | 7 |
| 8/12/2012 10:35:06 AM | 0.29 | 204 | 361 | 7 |
| 8/12/2012 10:36:06 AM | 0.30 | 205 | 361 | 7 |
| 8/12/2012 10:37:06 AM | 0.30 | 206 | 362 | 7 |
| 8/12/2012 10:38:06 AM | 0.29 | 206 | 362 | 7 |
| 8/12/2012 10:39:06 AM | 0.29 | 207 | 363 | 7 |
| 8/12/2012 10:40:06 AM | 0.29 | 207 | 366 | 7 |
| 8/12/2012 10:41:06 AM | 0.30 | 207 | 368 | 7 |
| 8/12/2012 10:42:06 AM | 0.30 | 207 | 368 | 7 |
| 8/12/2012 10:43:06 AM | 0.30 | 207 | 368 | 7 |
| 8/12/2012 10:44:06 AM | 0.29 | 207 | 371 | 7 |
| 8/12/2012 10:45:06 AM | 0.29 | 209 | 371 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 10:46:06 AM | 0.29 | 210 | 371 | 7 |
| 8/12/2012 10:47:06 AM | 0.29 | 212 | 373 | 7 |
| 8/12/2012 10:48:06 AM | 0.29 | 214 | 375 | 7 |
| 8/12/2012 10:49:06 AM | 0.28 | 215 | 375 | 7 |
| 8/12/2012 10:50:06 AM | 0.29 | 216 | 376 | 7 |
| 8/12/2012 10:51:06 AM | 0.29 | 217 | 376 | 7 |
| 8/12/2012 10:52:06 AM | 0.28 | 218 | 376 | 7 |
| 8/12/2012 10:53:06 AM | 0.29 | 219 | 376 | 7 |
| 8/12/2012 10:54:06 AM | 0.28 | 220 | 377 | 7 |
| 8/12/2012 10:55:06 AM | 0.28 | 222 | 376 | 7 |
| 8/12/2012 10:56:06 AM | 0.28 | 222 | 378 | 7 |
| 8/12/2012 10:57:06 AM | 0.28 | 223 | 377 | 7 |
| 8/12/2012 10:58:06 AM | 0.28 | 223 | 377 | 7 |
| 8/12/2012 10:59:06 AM | 0.28 | 223 | 377 | 7 |
| 8/12/2012 11:00:06 AM | 0.29 | 223 | 377 | 7 |
| 8/12/2012 11:01:06 AM | 0.28 | 223 | 377 | 7 |
| 8/12/2012 11:02:06 AM | 0.28 | 223 | 377 | 7 |
| 8/12/2012 11:03:06 AM | 0.28 | 223 | 377 | 7 |
| 8/12/2012 11:04:06 AM | 0.28 | 224 | 377 | 7 |
| 8/12/2012 11:05:06 AM | 0.28 | 224 | 377 | 7 |
| 8/12/2012 11:06:06 AM | 0.28 | 225 | 377 | 7 |
| 8/12/2012 11:07:06 AM | 0.28 | 225 | 377 | 7 |
| 8/12/2012 11:08:06 AM | 0.28 | 225 | 377 | 7 |
| 8/12/2012 11:09:06 AM | 0.28 | 225 | 376 | 7 |
| 8/12/2012 11:10:06 AM | 0.28 | 224 | 376 | 7 |
| 8/12/2012 11:11:06 AM | 0.28 | 225 | 375 | 7 |
| 8/12/2012 11:12:06 AM | 0.28 | 226 | 374 | 7 |
| 8/12/2012 11:13:06 AM | 0.28 | 226 | 375 | 7 |
| 8/12/2012 11:14:06 AM | 0.28 | 227 | 374 | 7 |
| 8/12/2012 11:15:06 AM | 0.28 | 226 | 374 | 7 |
| 8/12/2012 11:16:06 AM | 0.28 | 226 | 373 | 7 |
| 8/12/2012 11:17:06 AM | 0.28 | 226 | 373 | 7 |
| 8/12/2012 11:18:06 AM | 0.28 | 226 | 372 | 7 |
| 8/12/2012 11:19:06 AM | 0.28 | 226 | 372 | 7 |
| 8/12/2012 11:20:06 AM | 0.28 | 226 | 372 | 7 |
| 8/12/2012 11:21:06 AM | 0.28 | 226 | 371 | 7 |
| 8/12/2012 11:22:06 AM | 0.28 | 226 | 372 | 7 |
| 8/12/2012 11:23:06 AM | 0.28 | 225 | 371 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 11:24:06 AM | 0.28 | 226 | 371 | 7 |
| 8/12/2012 11:25:06 AM | 0.28 | 227 | 373 | 7 |
| 8/12/2012 11:26:06 AM | 0.28 | 228 | 373 | 7 |
| 8/12/2012 11:27:06 AM | 0.28 | 229 | 372 | 7 |
| 8/12/2012 11:28:06 AM | 0.28 | 229 | 372 | 7 |
| 8/12/2012 11:29:06 AM | 0.28 | 230 | 372 | 7 |
| 8/12/2012 11:30:06 AM | 0.28 | 230 | 373 | 7 |
| 8/12/2012 11:31:06 AM | 0.28 | 229 | 373 | 7 |
| 8/12/2012 11:32:06 AM | 0.28 | 230 | 373 | 7 |
| 8/12/2012 11:33:06 AM | 0.28 | 230 | 373 | 7 |
| 8/12/2012 11:34:06 AM | 0.28 | 231 | 373 | 7 |
| 8/12/2012 11:35:06 AM | 0.28 | 231 | 374 | 7 |
| 8/12/2012 11:36:06 AM | 0.28 | 231 | 374 | 7 |
| 8/12/2012 11:37:06 AM | 0.28 | 232 | 375 | 7 |
| 8/12/2012 11:38:06 AM | 0.28 | 231 | 376 | 7 |
| 8/12/2012 11:39:06 AM | 0.28 | 231 | 376 | 7 |
| 8/12/2012 11:40:06 AM | 0.28 | 231 | 376 | 7 |
| 8/12/2012 11:41:06 AM | 0.27 | 231 | 377 | 7 |
| 8/12/2012 11:42:06 AM | 0.28 | 230 | 377 | 7 |
| 8/12/2012 11:43:06 AM | 0.28 | 230 | 374 | 6 |
| 8/12/2012 11:44:06 AM | 0.27 | 229 | 372 | 6 |
| 8/12/2012 11:45:06 AM | 0.28 | 228 | 372 | 6 |
| 8/12/2012 11:46:06 AM | 0.28 | 228 | 371 | 6 |
| 8/12/2012 11:47:06 AM | 0.28 | 228 | 372 | 6 |
| 8/12/2012 11:48:06 AM | 0.28 | 228 | 371 | 6 |
| 8/12/2012 11:49:06 AM | 0.28 | 228 | 370 | 6 |
| 8/12/2012 11:50:06 AM | 0.27 | 229 | 372 | 6 |
| 8/12/2012 11:51:06 AM | 0.27 | 229 | 371 | 6 |
| 8/12/2012 11:52:06 AM | 0.28 | 229 | 372 | 6 |
| 8/12/2012 11:53:06 AM | 0.28 | 229 | 373 | 6 |
| 8/12/2012 11:54:06 AM | 0.28 | 229 | 372 | 6 |
| 8/12/2012 11:55:06 AM | 0.28 | 229 | 371 | 6 |
| 8/12/2012 11:56:06 AM | 0.28 | 228 | 370 | 6 |
| 8/12/2012 11:57:06 AM | 0.28 | 226 | 369 | 6 |
| 8/12/2012 11:58:06 AM | 0.28 | 226 | 368 | 7 |
| 8/12/2012 11:59:06 AM | 0.28 | 227 | 366 | 7 |
| 8/12/2012 12:00:06 PM | 0.27 | 227 | 368 | 7 |
| 8/12/2012 12:01:06 PM | 0.28 | 227 | 368 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 12:02:06 PM | 0.28 | 227 | 367 | 7 |
| 8/12/2012 12:03:06 PM | 0.28 | 227 | 367 | 7 |
| 8/12/2012 12:04:06 PM | 0.27 | 226 | 366 | 6 |
| 8/12/2012 12:05:06 PM | 0.28 | 225 | 364 | 6 |
| 8/12/2012 12:06:06 PM | 0.28 | 224 | 364 | 6 |
| 8/12/2012 12:07:06 PM | 0.28 | 224 | 363 | 6 |
| 8/12/2012 12:08:06 PM | 0.28 | 225 | 362 | 6 |
| 8/12/2012 12:09:06 PM | 0.28 | 226 | 363 | 6 |
| 8/12/2012 12:10:06 PM | 0.28 | 226 | 362 | 6 |
| 8/12/2012 12:11:06 PM | 0.28 | 226 | 363 | 6 |
| 8/12/2012 12:12:06 PM | 0.28 | 226 | 363 | 6 |
| 8/12/2012 12:13:06 PM | 0.27 | 226 | 362 | 6 |
| 8/12/2012 12:14:06 PM | 0.28 | 226 | 360 | 6 |
| 8/12/2012 12:15:06 PM | 0.27 | 226 | 360 | 6 |
| 8/12/2012 12:16:06 PM | 0.28 | 226 | 358 | 6 |
| 8/12/2012 12:17:06 PM | 0.28 | 226 | 358 | 6 |
| 8/12/2012 12:18:06 PM | 0.28 | 225 | 357 | 6 |
| 8/12/2012 12:19:06 PM | 0.28 | 224 | 357 | 6 |
| 8/12/2012 12:20:06 PM | 0.28 | 224 | 357 | 6 |
| 8/12/2012 12:21:06 PM | 0.28 | 223 | 357 | 6 |
| 8/12/2012 12:22:06 PM | 0.28 | 222 | 356 | 6 |
| 8/12/2012 12:23:06 PM | 0.28 | 222 | 356 | 6 |
| 8/12/2012 12:24:06 PM | 0.28 | 223 | 357 | 6 |
| 8/12/2012 12:25:06 PM | 0.28 | 223 | 356 | 6 |
| 8/12/2012 12:26:06 PM | 0.28 | 223 | 357 | 6 |
| 8/12/2012 12:27:06 PM | 0.28 | 222 | 358 | 6 |
| 8/12/2012 12:28:06 PM | 0.28 | 222 | 359 | 6 |
| 8/12/2012 12:29:06 PM | 0.28 | 222 | 359 | 6 |
| 8/12/2012 12:30:06 PM | 0.28 | 222 | 358 | 6 |
| 8/12/2012 12:31:06 PM | 0.28 | 222 | 359 | 6 |
| 8/12/2012 12:32:06 PM | 0.28 | 222 | 358 | 6 |
| 8/12/2012 12:33:06 PM | 0.28 | 224 | 359 | 6 |
| 8/12/2012 12:34:06 PM | 0.28 | 224 | 360 | 6 |
| 8/12/2012 12:35:06 PM | 0.28 | 223 | 360 | 6 |
| 8/12/2012 12:36:06 PM | 0.28 | 223 | 361 | 6 |
| 8/12/2012 12:37:06 PM | 0.28 | 222 | 360 | 6 |
| 8/12/2012 12:38:06 PM | 0.28 | 222 | 359 | 6 |
| 8/12/2012 12:39:06 PM | 0.28 | 222 | 360 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 12:40:06 PM | 0.28 | 223 | 360 | 6 |
| 8/12/2012 12:41:06 PM | 0.28 | 223 | 360 | 6 |
| 8/12/2012 12:42:06 PM | 0.28 | 223 | 362 | 6 |
| 8/12/2012 12:43:06 PM | 0.27 | 222 | 361 | 6 |
| 8/12/2012 12:44:06 PM | 0.28 | 222 | 360 | 6 |
| 8/12/2012 12:45:06 PM | 0.28 | 221 | 360 | 6 |
| 8/12/2012 12:46:06 PM | 0.28 | 222 | 361 | 6 |
| 8/12/2012 12:47:06 PM | 0.28 | 222 | 361 | 6 |
| 8/12/2012 12:48:06 PM | 0.28 | 223 | 362 | 6 |
| 8/12/2012 12:49:06 PM | 0.28 | 224 | 362 | 6 |
| 8/12/2012 12:50:06 PM | 0.28 | 225 | 363 | 6 |
| 8/12/2012 12:51:06 PM | 0.28 | 225 | 363 | 6 |
| 8/12/2012 12:52:06 PM | 0.28 | 226 | 363 | 6 |
| 8/12/2012 12:53:06 PM | 0.28 | 226 | 364 | 6 |
| 8/12/2012 12:54:06 PM | 0.28 | 226 | 364 | 6 |
| 8/12/2012 12:55:06 PM | 0.28 | 226 | 364 | 6 |
| 8/12/2012 12:56:06 PM | 0.28 | 225 | 366 | 6 |
| 8/12/2012 12:57:06 PM | 0.28 | 224 | 364 | 6 |
| 8/12/2012 12:58:06 PM | 0.28 | 224 | 363 | 6 |
| 8/12/2012 12:59:06 PM | 0.28 | 223 | 363 | 6 |
| 8/12/2012 1:00:06 PM | 0.28 | 225 | 362 | 6 |
| 8/12/2012 1:01:06 PM | 0.28 | 226 | 364 | 6 |
| 8/12/2012 1:02:06 PM | 0.28 | 226 | 366 | 6 |
| 8/12/2012 1:03:06 PM | 0.28 | 226 | 366 | 6 |
| 8/12/2012 1:04:06 PM | 0.28 | 226 | 367 | 6 |
| 8/12/2012 1:05:06 PM | 0.28 | 226 | 364 | 6 |
| 8/12/2012 1:06:06 PM | 0.27 | 226 | 363 | 6 |
| 8/12/2012 1:07:06 PM | 0.28 | 226 | 362 | 6 |
| 8/12/2012 1:08:06 PM | 0.28 | 226 | 363 | 6 |
| 8/12/2012 1:09:06 PM | 0.28 | 227 | 365 | 6 |
| 8/12/2012 1:10:06 PM | 0.28 | 227 | 362 | 6 |
| 8/12/2012 1:11:06 PM | 0.28 | 227 | 363 | 6 |
| 8/12/2012 1:12:06 PM | 0.28 | 228 | 362 | 6 |
| 8/12/2012 1:13:06 PM | 0.28 | 228 | 362 | 6 |
| 8/12/2012 1:14:06 PM | 0.27 | 229 | 363 | 6 |
| 8/12/2012 1:15:06 PM | 0.28 | 229 | 364 | 6 |
| 8/12/2012 1:16:06 PM | 0.28 | 231 | 364 | 6 |
| 8/12/2012 1:17:06 PM | 0.28 | 231 | 365 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 1:18:06 PM | 0.28 | 230 | 366 | 6 |
| 8/12/2012 1:19:06 PM | 0.27 | 230 | 365 | 6 |
| 8/12/2012 1:20:06 PM | 0.27 | 230 | 363 | 6 |
| 8/12/2012 1:21:06 PM | 0.28 | 230 | 362 | 6 |
| 8/12/2012 1:22:06 PM | 0.27 | 230 | 362 | 6 |
| 8/12/2012 1:23:06 PM | 0.28 | 229 | 362 | 6 |
| 8/12/2012 1:24:06 PM | 0.28 | 229 | 362 | 6 |
| 8/12/2012 1:25:06 PM | 0.27 | 228 | 361 | 6 |
| 8/12/2012 1:26:06 PM | 0.27 | 228 | 362 | 6 |
| 8/12/2012 1:27:06 PM | 0.27 | 228 | 361 | 6 |
| 8/12/2012 1:28:06 PM | 0.28 | 228 | 362 | 6 |
| 8/12/2012 1:29:06 PM | 0.28 | 227 | 361 | 6 |
| 8/12/2012 1:30:06 PM | 0.28 | 226 | 361 | 6 |
| 8/12/2012 1:31:06 PM | 0.28 | 225 | 359 | 6 |
| 8/12/2012 1:32:06 PM | 0.28 | 224 | 358 | 6 |
| 8/12/2012 1:33:06 PM | 0.28 | 225 | 357 | 6 |
| 8/12/2012 1:34:06 PM | 0.28 | 225 | 358 | 6 |
| 8/12/2012 1:35:06 PM | 0.28 | 225 | 359 | 6 |
| 8/12/2012 1:36:06 PM | 0.28 | 227 | 359 | 6 |
| 8/12/2012 1:37:06 PM | 0.28 | 227 | 361 | 6 |
| 8/12/2012 1:38:06 PM | 0.27 | 227 | 361 | 6 |
| 8/12/2012 1:39:06 PM | 0.27 | 227 | 361 | 6 |
| 8/12/2012 1:40:06 PM | 0.27 | 227 | 360 | 6 |
| 8/12/2012 1:41:06 PM | 0.28 | 227 | 359 | 6 |
| 8/12/2012 1:42:06 PM | 0.28 | 227 | 359 | 6 |
| 8/12/2012 1:43:06 PM | 0.27 | 228 | 359 | 6 |
| 8/12/2012 1:44:06 PM | 0.28 | 227 | 362 | 6 |
| 8/12/2012 1:45:06 PM | 0.28 | 227 | 363 | 5 |
| 8/12/2012 1:46:06 PM | 0.28 | 227 | 363 | 5 |
| 8/12/2012 1:47:06 PM | 0.28 | 227 | 365 | 5 |
| 8/12/2012 1:48:06 PM | 0.27 | 227 | 367 | 5 |
| 8/12/2012 1:49:06 PM | 0.28 | 227 | 365 | 6 |
| 8/12/2012 1:50:06 PM | 0.28 | 226 | 365 | 6 |
| 8/12/2012 1:51:06 PM | 0.28 | 226 | 367 | 6 |
| 8/12/2012 1:52:06 PM | 0.28 | 227 | 363 | 6 |
| 8/12/2012 1:53:06 PM | 0.28 | 227 | 364 | 6 |
| 8/12/2012 1:54:06 PM | 0.27 | 227 | 364 | 6 |
| 8/12/2012 1:55:06 PM | 0.27 | 227 | 363 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 1:56:06 PM | 0.28 | 228 | 362 | 5 |
| 8/12/2012 1:57:06 PM | 0.28 | 228 | 365 | 5 |
| 8/12/2012 1:58:06 PM | 0.28 | 228 | 365 | 6 |
| 8/12/2012 1:59:06 PM | 0.28 | 229 | 367 | 6 |
| 8/12/2012 2:00:06 PM | 0.27 | 229 | 367 | 5 |
| 8/12/2012 2:01:06 PM | 0.27 | 229 | 368 | 5 |
| 8/12/2012 2:02:06 PM | 0.27 | 230 | 368 | 5 |
| 8/12/2012 2:03:06 PM | 0.28 | 231 | 368 | 5 |
| 8/12/2012 2:04:06 PM | 0.27 | 232 | 371 | 5 |
| 8/12/2012 2:05:06 PM | 0.27 | 233 | 371 | 5 |
| 8/12/2012 2:06:06 PM | 0.28 | 233 | 371 | 5 |
| 8/12/2012 2:07:06 PM | 0.27 | 233 | 371 | 5 |
| 8/12/2012 2:08:06 PM | 0.27 | 234 | 372 | 5 |
| 8/12/2012 2:09:06 PM | 0.28 | 233 | 372 | 5 |
| 8/12/2012 2:10:06 PM | 0.27 | 231 | 372 | 5 |
| 8/12/2012 2:11:06 PM | 0.27 | 230 | 372 | 5 |
| 8/12/2012 2:12:06 PM | 0.28 | 230 | 370 | 5 |
| 8/12/2012 2:13:06 PM | 0.27 | 230 | 369 | 5 |
| 8/12/2012 2:14:06 PM | 0.27 | 230 | 368 | 5 |
| 8/12/2012 2:15:06 PM | 0.27 | 229 | 368 | 5 |
| 8/12/2012 2:16:06 PM | 0.28 | 229 | 367 | 5 |
| 8/12/2012 2:17:06 PM | 0.28 | 229 | 366 | 5 |
| 8/12/2012 2:18:06 PM | 0.28 | 228 | 364 | 5 |
| 8/12/2012 2:19:06 PM | 0.28 | 229 | 364 | 6 |
| 8/12/2012 2:20:06 PM | 0.27 | 230 | 363 | 6 |
| 8/12/2012 2:21:06 PM | 0.27 | 230 | 363 | 6 |
| 8/12/2012 2:22:06 PM | 0.27 | 229 | 362 | 5 |
| 8/12/2012 2:23:06 PM | 0.27 | 227 | 363 | 5 |
| 8/12/2012 2:24:06 PM | 0.28 | 228 | 364 | 5 |
| 8/12/2012 2:25:06 PM | 0.28 | 228 | 365 | 6 |
| 8/12/2012 2:26:06 PM | 0.28 | 228 | 365 | 6 |
| 8/12/2012 2:27:06 PM | 0.27 | 228 | 366 | 5 |
| 8/12/2012 2:28:06 PM | 0.28 | 227 | 364 | 5 |
| 8/12/2012 2:29:06 PM | 0.28 | 226 | 364 | 5 |
| 8/12/2012 2:30:06 PM | 0.28 | 226 | 365 | 5 |
| 8/12/2012 2:31:06 PM | 0.27 | 228 | 365 | 5 |
| 8/12/2012 2:32:06 PM | 0.28 | 229 | 367 | 5 |
| 8/12/2012 2:33:06 PM | 0.28 | 229 | 367 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 2:34:06 PM | 0.27 | 229 | 367 | 5 |
| 8/12/2012 2:35:06 PM | 0.28 | 229 | 366 | 5 |
| 8/12/2012 2:36:06 PM | 0.28 | 227 | 368 | 5 |
| 8/12/2012 2:37:06 PM | 0.27 | 225 | 368 | 5 |
| 8/12/2012 2:38:06 PM | 0.28 | 225 | 367 | 5 |
| 8/12/2012 2:39:06 PM | 0.28 | 226 | 367 | 5 |
| 8/12/2012 2:40:06 PM | 0.28 | 228 | 367 | 5 |
| 8/12/2012 2:41:06 PM | 0.28 | 227 | 368 | 5 |
| 8/12/2012 2:42:06 PM | 0.28 | 227 | 367 | 5 |
| 8/12/2012 2:43:06 PM | 0.28 | 224 | 368 | 5 |
| 8/12/2012 2:44:06 PM | 0.27 | 225 | 367 | 5 |
| 8/12/2012 2:45:06 PM | 0.28 | 225 | 368 | 5 |
| 8/12/2012 2:46:06 PM | 0.28 | 225 | 368 | 5 |
| 8/12/2012 2:47:06 PM | 0.28 | 224 | 367 | 5 |
| 8/12/2012 2:48:06 PM | 0.28 | 224 | 368 | 5 |
| 8/12/2012 2:49:06 PM | 0.28 | 224 | 368 | 5 |
| 8/12/2012 2:50:06 PM | 0.28 | 224 | 368 | 5 |
| 8/12/2012 2:51:06 PM | 0.28 | 225 | 368 | 5 |
| 8/12/2012 2:52:06 PM | 0.28 | 224 | 368 | 5 |
| 8/12/2012 2:53:06 PM | 0.28 | 225 | 371 | 5 |
| 8/12/2012 2:54:06 PM | 0.28 | 225 | 371 | 5 |
| 8/12/2012 2:55:06 PM | 0.27 | 225 | 372 | 5 |
| 8/12/2012 2:56:06 PM | 0.28 | 225 | 372 | 5 |
| 8/12/2012 2:57:06 PM | 0.28 | 227 | 372 | 5 |
| 8/12/2012 2:58:06 PM | 0.28 | 226 | 372 | 5 |
| 8/12/2012 2:59:06 PM | 0.28 | 225 | 372 | 5 |
| 8/12/2012 3:00:06 PM | 0.28 | 225 | 372 | 5 |
| 8/12/2012 3:01:06 PM | 0.28 | 225 | 373 | 5 |
| 8/12/2012 3:02:06 PM | 0.28 | 226 | 371 | 5 |
| 8/12/2012 3:03:06 PM | 0.28 | 226 | 373 | 5 |
| 8/12/2012 3:04:06 PM | 0.28 | 226 | 373 | 5 |
| 8/12/2012 3:05:06 PM | 0.28 | 226 | 372 | 5 |
| 8/12/2012 3:06:06 PM | 0.28 | 226 | 372 | 5 |
| 8/12/2012 3:07:06 PM | 0.28 | 225 | 371 | 5 |
| 8/12/2012 3:08:06 PM | 0.27 | 224 | 369 | 5 |
| 8/12/2012 3:09:06 PM | 0.28 | 224 | 371 | 5 |
| 8/12/2012 3:10:06 PM | 0.28 | 224 | 370 | 5 |
| 8/12/2012 3:11:06 PM | 0.28 | 224 | 369 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 3:12:06 PM | 0.27 | 223 | 369 | 5 |
| 8/12/2012 3:13:06 PM | 0.28 | 224 | 368 | 5 |
| 8/12/2012 3:14:06 PM | 0.28 | 224 | 371 | 5 |
| 8/12/2012 3:15:06 PM | 0.27 | 225 | 371 | 5 |
| 8/12/2012 3:16:06 PM | 0.27 | 226 | 371 | 5 |
| 8/12/2012 3:17:06 PM | 0.28 | 225 | 372 | 5 |
| 8/12/2012 3:18:06 PM | 0.28 | 224 | 373 | 5 |
| 8/12/2012 3:19:06 PM | 0.28 | 224 | 371 | 5 |
| 8/12/2012 3:20:06 PM | 0.28 | 224 | 372 | 5 |
| 8/12/2012 3:21:06 PM | 0.28 | 224 | 371 | 5 |
| 8/12/2012 3:22:06 PM | 0.28 | 224 | 373 | 5 |
| 8/12/2012 3:23:06 PM | 0.27 | 226 | 372 | 5 |
| 8/12/2012 3:24:06 PM | 0.27 | 226 | 373 | 5 |
| 8/12/2012 3:25:06 PM | 0.28 | 227 | 372 | 5 |
| 8/12/2012 3:26:06 PM | 0.28 | 226 | 372 | 5 |
| 8/12/2012 3:27:06 PM | 0.28 | 225 | 371 | 5 |
| 8/12/2012 3:28:06 PM | 0.28 | 225 | 369 | 5 |
| 8/12/2012 3:29:06 PM | 0.28 | 224 | 369 | 5 |
| 8/12/2012 3:30:06 PM | 0.28 | 224 | 369 | 5 |
| 8/12/2012 3:31:06 PM | 0.27 | 223 | 368 | 5 |
| 8/12/2012 3:32:06 PM | 0.28 | 223 | 367 | 5 |
| 8/12/2012 3:33:06 PM | 0.27 | 222 | 367 | 5 |
| 8/12/2012 3:34:06 PM | 0.28 | 222 | 367 | 5 |
| 8/12/2012 3:35:06 PM | 0.27 | 221 | 368 | 5 |
| 8/12/2012 3:36:06 PM | 0.28 | 220 | 368 | 5 |
| 8/12/2012 3:37:06 PM | 0.28 | 221 | 368 | 6 |
| 8/12/2012 3:38:06 PM | 0.28 | 221 | 368 | 6 |
| 8/12/2012 3:39:06 PM | 0.28 | 222 | 367 | 6 |
| 8/12/2012 3:40:06 PM | 0.28 | 222 | 368 | 6 |
| 8/12/2012 3:41:06 PM | 0.28 | 223 | 368 | 6 |
| 8/12/2012 3:42:06 PM | 0.28 | 224 | 371 | 5 |
| 8/12/2012 3:43:06 PM | 0.28 | 224 | 370 | 5 |
| 8/12/2012 3:44:06 PM | 0.28 | 224 | 372 | 5 |
| 8/12/2012 3:45:06 PM | 0.28 | 225 | 372 | 5 |
| 8/12/2012 3:46:06 PM | 0.28 | 225 | 372 | 5 |
| 8/12/2012 3:47:06 PM | 0.28 | 225 | 373 | 5 |
| 8/12/2012 3:48:06 PM | 0.28 | 225 | 372 | 5 |
| 8/12/2012 3:49:06 PM | 0.28 | 223 | 372 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 3:50:06 PM | 0.28 | 222 | 370 | 5 |
| 8/12/2012 3:51:06 PM | 0.28 | 222 | 369 | 5 |
| 8/12/2012 3:52:06 PM | 0.28 | 221 | 369 | 5 |
| 8/12/2012 3:53:06 PM | 0.27 | 221 | 368 | 5 |
| 8/12/2012 3:54:06 PM | 0.28 | 220 | 372 | 5 |
| 8/12/2012 3:55:06 PM | 0.28 | 220 | 372 | 5 |
| 8/12/2012 3:56:06 PM | 0.28 | 221 | 371 | 5 |
| 8/12/2012 3:57:06 PM | 0.28 | 220 | 372 | 5 |
| 8/12/2012 3:58:06 PM | 0.27 | 221 | 371 | 5 |
| 8/12/2012 3:59:06 PM | 0.28 | 220 | 371 | 5 |
| 8/12/2012 4:00:06 PM | 0.28 | 221 | 372 | 5 |
| 8/12/2012 4:01:06 PM | 0.28 | 221 | 372 | 6 |
| 8/12/2012 4:02:06 PM | 0.28 | 221 | 371 | 6 |
| 8/12/2012 4:03:06 PM | 0.28 | 220 | 371 | 6 |
| 8/12/2012 4:04:06 PM | 0.28 | 221 | 368 | 6 |
| 8/12/2012 4:05:06 PM | 0.28 | 221 | 368 | 6 |
| 8/12/2012 4:06:06 PM | 0.28 | 221 | 368 | 6 |
| 8/12/2012 4:07:06 PM | 0.28 | 221 | 369 | 6 |
| 8/12/2012 4:08:06 PM | 0.28 | 220 | 369 | 6 |
| 8/12/2012 4:09:06 PM | 0.28 | 219 | 367 | 6 |
| 8/12/2012 4:10:06 PM | 0.28 | 220 | 367 | 6 |
| 8/12/2012 4:11:06 PM | 0.28 | 219 | 368 | 6 |
| 8/12/2012 4:12:06 PM | 0.28 | 219 | 368 | 6 |
| 8/12/2012 4:13:06 PM | 0.28 | 219 | 368 | 6 |
| 8/12/2012 4:14:06 PM | 0.28 | 220 | 367 | 6 |
| 8/12/2012 4:15:06 PM | 0.28 | 221 | 367 | 6 |
| 8/12/2012 4:16:06 PM | 0.28 | 222 | 367 | 5 |
| 8/12/2012 4:17:06 PM | 0.28 | 223 | 368 | 5 |
| 8/12/2012 4:18:06 PM | 0.28 | 223 | 368 | 5 |
| 8/12/2012 4:19:06 PM | 0.28 | 222 | 367 | 6 |
| 8/12/2012 4:20:06 PM | 0.28 | 220 | 368 | 6 |
| 8/12/2012 4:21:06 PM | 0.28 | 218 | 367 | 6 |
| 8/12/2012 4:22:06 PM | 0.28 | 217 | 368 | 6 |
| 8/12/2012 4:23:06 PM | 0.27 | 219 | 368 | 6 |
| 8/12/2012 4:24:06 PM | 0.28 | 221 | 368 | 6 |
| 8/12/2012 4:25:06 PM | 0.28 | 222 | 371 | 6 |
| 8/12/2012 4:26:06 PM | 0.28 | 222 | 373 | 6 |
| 8/12/2012 4:27:06 PM | 0.28 | 223 | 374 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 4:28:06 PM | 0.28 | 224 | 374 | 6 |
| 8/12/2012 4:29:06 PM | 0.28 | 224 | 375 | 6 |
| 8/12/2012 4:30:06 PM | 0.28 | 223 | 376 | 6 |
| 8/12/2012 4:31:06 PM | 0.28 | 223 | 376 | 6 |
| 8/12/2012 4:32:06 PM | 0.28 | 223 | 377 | 6 |
| 8/12/2012 4:33:06 PM | 0.28 | 224 | 377 | 6 |
| 8/12/2012 4:34:06 PM | 0.28 | 224 | 378 | 6 |
| 8/12/2012 4:35:06 PM | 0.28 | 225 | 378 | 6 |
| 8/12/2012 4:36:06 PM | 0.28 | 223 | 380 | 6 |
| 8/12/2012 4:37:06 PM | 0.29 | 221 | 382 | 6 |
| 8/12/2012 4:38:06 PM | 0.29 | 222 | 381 | 6 |
| 8/12/2012 4:39:06 PM | 0.28 | 223 | 380 | 6 |
| 8/12/2012 4:40:06 PM | 0.28 | 224 | 381 | 6 |
| 8/12/2012 4:41:06 PM | 0.28 | 224 | 381 | 6 |
| 8/12/2012 4:42:06 PM | 0.28 | 224 | 382 | 6 |
| 8/12/2012 4:43:06 PM | 0.28 | 225 | 383 | 6 |
| 8/12/2012 4:44:06 PM | 0.28 | 224 | 382 | 6 |
| 8/12/2012 4:45:06 PM | 0.29 | 223 | 382 | 6 |
| 8/12/2012 4:46:06 PM | 0.28 | 222 | 381 | 6 |
| 8/12/2012 4:47:06 PM | 0.28 | 221 | 382 | 6 |
| 8/12/2012 4:48:06 PM | 0.28 | 221 | 382 | 6 |
| 8/12/2012 4:49:06 PM | 0.28 | 222 | 382 | 6 |
| 8/12/2012 4:50:06 PM | 0.28 | 221 | 381 | 6 |
| 8/12/2012 4:51:06 PM | 0.28 | 222 | 382 | 6 |
| 8/12/2012 4:52:06 PM | 0.28 | 222 | 382 | 6 |
| 8/12/2012 4:53:06 PM | 0.28 | 222 | 382 | 6 |
| 8/12/2012 4:54:06 PM | 0.28 | 223 | 382 | 6 |
| 8/12/2012 4:55:06 PM | 0.28 | 224 | 382 | 6 |
| 8/12/2012 4:56:06 PM | 0.28 | 223 | 382 | 6 |
| 8/12/2012 4:57:06 PM | 0.28 | 221 | 381 | 6 |
| 8/12/2012 4:58:06 PM | 0.28 | 220 | 382 | 6 |
| 8/12/2012 4:59:06 PM | 0.28 | 219 | 379 | 6 |
| 8/12/2012 5:00:06 PM | 0.28 | 218 | 378 | 6 |
| 8/12/2012 5:01:06 PM | 0.28 | 219 | 378 | 6 |
| 8/12/2012 5:02:06 PM | 0.28 | 219 | 377 | 6 |
| 8/12/2012 5:03:06 PM | 0.28 | 220 | 377 | 6 |
| 8/12/2012 5:04:06 PM | 0.28 | 220 | 377 | 6 |
| 8/12/2012 5:05:06 PM | 0.28 | 219 | 376 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 5:06:06 PM | 0.28 | 221 | 377 | 6 |
| 8/12/2012 5:07:06 PM | 0.28 | 221 | 377 | 6 |
| 8/12/2012 5:08:06 PM | 0.28 | 220 | 378 | 6 |
| 8/12/2012 5:09:06 PM | 0.28 | 219 | 378 | 6 |
| 8/12/2012 5:10:06 PM | 0.28 | 220 | 377 | 6 |
| 8/12/2012 5:11:06 PM | 0.28 | 221 | 376 | 6 |
| 8/12/2012 5:12:06 PM | 0.28 | 221 | 377 | 6 |
| 8/12/2012 5:13:06 PM | 0.28 | 220 | 378 | 6 |
| 8/12/2012 5:14:06 PM | 0.28 | 219 | 376 | 6 |
| 8/12/2012 5:15:06 PM | 0.28 | 219 | 373 | 6 |
| 8/12/2012 5:16:06 PM | 0.28 | 219 | 373 | 6 |
| 8/12/2012 5:17:06 PM | 0.28 | 219 | 372 | 6 |
| 8/12/2012 5:18:06 PM | 0.28 | 220 | 372 | 6 |
| 8/12/2012 5:19:06 PM | 0.28 | 219 | 373 | 6 |
| 8/12/2012 5:20:06 PM | 0.28 | 220 | 373 | 6 |
| 8/12/2012 5:21:06 PM | 0.28 | 220 | 373 | 6 |
| 8/12/2012 5:22:06 PM | 0.28 | 220 | 373 | 6 |
| 8/12/2012 5:23:06 PM | 0.28 | 220 | 374 | 6 |
| 8/12/2012 5:24:06 PM | 0.28 | 218 | 374 | 6 |
| 8/12/2012 5:25:06 PM | 0.28 | 218 | 373 | 6 |
| 8/12/2012 5:26:06 PM | 0.28 | 218 | 371 | 6 |
| 8/12/2012 5:27:06 PM | 0.28 | 218 | 372 | 6 |
| 8/12/2012 5:28:06 PM | 0.28 | 218 | 373 | 6 |
| 8/12/2012 5:29:06 PM | 0.28 | 219 | 372 | 6 |
| 8/12/2012 5:30:06 PM | 0.28 | 220 | 372 | 6 |
| 8/12/2012 5:31:06 PM | 0.28 | 219 | 373 | 6 |
| 8/12/2012 5:32:06 PM | 0.28 | 219 | 374 | 6 |
| 8/12/2012 5:33:06 PM | 0.28 | 220 | 374 | 6 |
| 8/12/2012 5:34:06 PM | 0.28 | 220 | 375 | 6 |
| 8/12/2012 5:35:06 PM | 0.28 | 219 | 374 | 6 |
| 8/12/2012 5:36:06 PM | 0.28 | 219 | 376 | 6 |
| 8/12/2012 5:37:06 PM | 0.28 | 219 | 374 | 6 |
| 8/12/2012 5:38:06 PM | 0.28 | 220 | 375 | 6 |
| 8/12/2012 5:39:06 PM | 0.28 | 221 | 373 | 6 |
| 8/12/2012 5:40:06 PM | 0.28 | 221 | 374 | 6 |
| 8/12/2012 5:41:06 PM | 0.28 | 221 | 372 | 6 |
| 8/12/2012 5:42:06 PM | 0.28 | 223 | 372 | 6 |
| 8/12/2012 5:43:06 PM | 0.28 | 224 | 373 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 5:44:06 PM | 0.28 | 224 | 373 | 6 |
| 8/12/2012 5:45:06 PM | 0.28 | 224 | 373 | 6 |
| 8/12/2012 5:46:06 PM | 0.28 | 225 | 374 | 6 |
| 8/12/2012 5:47:06 PM | 0.28 | 224 | 374 | 6 |
| 8/12/2012 5:48:06 PM | 0.28 | 222 | 373 | 6 |
| 8/12/2012 5:49:06 PM | 0.28 | 222 | 371 | 6 |
| 8/12/2012 5:50:06 PM | 0.28 | 223 | 372 | 6 |
| 8/12/2012 5:51:06 PM | 0.28 | 223 | 371 | 6 |
| 8/12/2012 5:52:06 PM | 0.28 | 224 | 372 | 6 |
| 8/12/2012 5:53:06 PM | 0.28 | 224 | 372 | 6 |
| 8/12/2012 5:54:06 PM | 0.28 | 224 | 373 | 6 |
| 8/12/2012 5:55:06 PM | 0.28 | 223 | 372 | 6 |
| 8/12/2012 5:56:06 PM | 0.28 | 223 | 373 | 6 |
| 8/12/2012 5:57:06 PM | 0.28 | 223 | 373 | 6 |
| 8/12/2012 5:58:06 PM | 0.28 | 224 | 373 | 6 |
| 8/12/2012 5:59:06 PM | 0.28 | 224 | 373 | 6 |
| 8/12/2012 6:00:06 PM | 0.28 | 225 | 373 | 6 |
| 8/12/2012 6:01:06 PM | 0.27 | 224 | 373 | 6 |
| 8/12/2012 6:02:06 PM | 0.28 | 225 | 375 | 6 |
| 8/12/2012 6:03:06 PM | 0.28 | 225 | 377 | 6 |
| 8/12/2012 6:04:06 PM | 0.28 | 225 | 376 | 6 |
| 8/12/2012 6:05:06 PM | 0.28 | 224 | 376 | 6 |
| 8/12/2012 6:06:06 PM | 0.28 | 224 | 376 | 6 |
| 8/12/2012 6:07:06 PM | 0.28 | 223 | 375 | 6 |
| 8/12/2012 6:08:06 PM | 0.28 | 222 | 376 | 6 |
| 8/12/2012 6:09:06 PM | 0.28 | 223 | 376 | 6 |
| 8/12/2012 6:10:06 PM | 0.28 | 223 | 376 | 6 |
| 8/12/2012 6:11:06 PM | 0.28 | 224 | 376 | 6 |
| 8/12/2012 6:12:06 PM | 0.28 | 224 | 375 | 6 |
| 8/12/2012 6:13:06 PM | 0.28 | 224 | 375 | 6 |
| 8/12/2012 6:14:06 PM | 0.28 | 223 | 376 | 6 |
| 8/12/2012 6:15:06 PM | 0.28 | 223 | 374 | 6 |
| 8/12/2012 6:16:06 PM | 0.28 | 223 | 375 | 6 |
| 8/12/2012 6:17:06 PM | 0.28 | 223 | 372 | 6 |
| 8/12/2012 6:18:06 PM | 0.28 | 223 | 372 | 6 |
| 8/12/2012 6:19:06 PM | 0.28 | 222 | 373 | 6 |
| 8/12/2012 6:20:06 PM | 0.28 | 222 | 372 | 6 |
| 8/12/2012 6:21:06 PM | 0.28 | 222 | 372 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 6:22:06 PM | 0.28 | 222 | 372 | 6 |
| 8/12/2012 6:23:06 PM | 0.28 | 220 | 372 | 6 |
| 8/12/2012 6:24:06 PM | 0.28 | 220 | 372 | 6 |
| 8/12/2012 6:25:06 PM | 0.28 | 221 | 370 | 6 |
| 8/12/2012 6:26:06 PM | 0.28 | 221 | 372 | 6 |
| 8/12/2012 6:27:06 PM | 0.27 | 220 | 370 | 6 |
| 8/12/2012 6:28:06 PM | 0.28 | 220 | 372 | 6 |
| 8/12/2012 6:29:06 PM | 0.28 | 220 | 371 | 6 |
| 8/12/2012 6:30:06 PM | 0.28 | 220 | 371 | 6 |
| 8/12/2012 6:31:06 PM | 0.28 | 219 | 369 | 6 |
| 8/12/2012 6:32:06 PM | 0.28 | 220 | 370 | 6 |
| 8/12/2012 6:33:06 PM | 0.28 | 220 | 370 | 6 |
| 8/12/2012 6:34:06 PM | 0.28 | 220 | 370 | 6 |
| 8/12/2012 6:35:06 PM | 0.28 | 220 | 368 | 6 |
| 8/12/2012 6:36:06 PM | 0.28 | 220 | 368 | 6 |
| 8/12/2012 6:37:06 PM | 0.28 | 220 | 367 | 6 |
| 8/12/2012 6:38:06 PM | 0.28 | 220 | 367 | 6 |
| 8/12/2012 6:39:06 PM | 0.28 | 220 | 368 | 6 |
| 8/12/2012 6:40:06 PM | 0.28 | 220 | 366 | 6 |
| 8/12/2012 6:41:06 PM | 0.28 | 220 | 366 | 6 |
| 8/12/2012 6:42:06 PM | 0.28 | 220 | 366 | 6 |
| 8/12/2012 6:43:06 PM | 0.28 | 221 | 366 | 6 |
| 8/12/2012 6:44:06 PM | 0.28 | 222 | 366 | 6 |
| 8/12/2012 6:45:06 PM | 0.28 | 223 | 366 | 6 |
| 8/12/2012 6:46:06 PM | 0.28 | 224 | 367 | 6 |
| 8/12/2012 6:47:06 PM | 0.28 | 224 | 368 | 6 |
| 8/12/2012 6:48:06 PM | 0.28 | 224 | 368 | 6 |
| 8/12/2012 6:49:06 PM | 0.28 | 223 | 369 | 6 |
| 8/12/2012 6:50:06 PM | 0.28 | 223 | 369 | 6 |
| 8/12/2012 6:51:06 PM | 0.27 | 223 | 368 | 6 |
| 8/12/2012 6:52:06 PM | 0.28 | 222 | 368 | 6 |
| 8/12/2012 6:53:06 PM | 0.28 | 222 | 368 | 6 |
| 8/12/2012 6:54:06 PM | 0.28 | 222 | 368 | 6 |
| 8/12/2012 6:55:06 PM | 0.28 | 221 | 367 | 6 |
| 8/12/2012 6:56:06 PM | 0.28 | 221 | 367 | 6 |
| 8/12/2012 6:57:06 PM | 0.28 | 221 | 367 | 6 |
| 8/12/2012 6:58:06 PM | 0.28 | 221 | 368 | 6 |
| 8/12/2012 6:59:06 PM | 0.28 | 222 | 367 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 7:00:06 PM | 0.28 | 222 | 367 | 6 |
| 8/12/2012 7:01:06 PM | 0.27 | 221 | 367 | 6 |
| 8/12/2012 7:02:06 PM | 0.28 | 222 | 366 | 6 |
| 8/12/2012 7:03:06 PM | 0.28 | 224 | 366 | 6 |
| 8/12/2012 7:04:06 PM | 0.28 | 224 | 366 | 6 |
| 8/12/2012 7:05:06 PM | 0.27 | 224 | 366 | 6 |
| 8/12/2012 7:06:06 PM | 0.28 | 224 | 366 | 6 |
| 8/12/2012 7:07:06 PM | 0.27 | 225 | 365 | 6 |
| 8/12/2012 7:08:06 PM | 0.27 | 223 | 365 | 6 |
| 8/12/2012 7:09:06 PM | 0.27 | 223 | 363 | 6 |
| 8/12/2012 7:10:06 PM | 0.28 | 223 | 362 | 6 |
| 8/12/2012 7:11:06 PM | 0.28 | 222 | 363 | 6 |
| 8/12/2012 7:12:06 PM | 0.28 | 223 | 362 | 6 |
| 8/12/2012 7:13:06 PM | 0.28 | 224 | 363 | 6 |
| 8/12/2012 7:14:06 PM | 0.27 | 225 | 364 | 6 |
| 8/12/2012 7:15:06 PM | 0.27 | 225 | 366 | 6 |
| 8/12/2012 7:16:06 PM | 0.27 | 225 | 365 | 6 |
| 8/12/2012 7:17:06 PM | 0.28 | 225 | 367 | 6 |
| 8/12/2012 7:18:06 PM | 0.27 | 225 | 367 | 6 |
| 8/12/2012 7:19:06 PM | 0.27 | 225 | 366 | 5 |
| 8/12/2012 7:20:06 PM | 0.27 | 225 | 367 | 5 |
| 8/12/2012 7:21:06 PM | 0.28 | 226 | 367 | 5 |
| 8/12/2012 7:22:06 PM | 0.28 | 227 | 368 | 6 |
| 8/12/2012 7:23:06 PM | 0.27 | 227 | 368 | 6 |
| 8/12/2012 7:24:06 PM | 0.27 | 226 | 368 | 6 |
| 8/12/2012 7:25:06 PM | 0.28 | 225 | 369 | 6 |
| 8/12/2012 7:26:06 PM | 0.28 | 225 | 368 | 6 |
| 8/12/2012 7:27:06 PM | 0.28 | 225 | 366 | 6 |
| 8/12/2012 7:28:06 PM | 0.27 | 225 | 367 | 6 |
| 8/12/2012 7:29:06 PM | 0.27 | 225 | 366 | 6 |
| 8/12/2012 7:30:06 PM | 0.27 | 226 | 364 | 6 |
| 8/12/2012 7:31:06 PM | 0.27 | 226 | 363 | 6 |
| 8/12/2012 7:32:06 PM | 0.27 | 227 | 364 | 6 |
| 8/12/2012 7:33:06 PM | 0.28 | 228 | 365 | 6 |
| 8/12/2012 7:34:06 PM | 0.28 | 228 | 364 | 6 |
| 8/12/2012 7:35:06 PM | 0.28 | 227 | 364 | 6 |
| 8/12/2012 7:36:06 PM | 0.27 | 227 | 364 | 6 |
| 8/12/2012 7:37:06 PM | 0.28 | 227 | 366 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 7:38:06 PM | 0.27 | 226 | 364 | 6 |
| 8/12/2012 7:39:06 PM | 0.28 | 226 | 363 | 6 |
| 8/12/2012 7:40:06 PM | 0.27 | 226 | 363 | 5 |
| 8/12/2012 7:41:06 PM | 0.28 | 227 | 364 | 5 |
| 8/12/2012 7:42:06 PM | 0.28 | 226 | 363 | 5 |
| 8/12/2012 7:43:06 PM | 0.27 | 227 | 363 | 5 |
| 8/12/2012 7:44:06 PM | 0.27 | 227 | 363 | 5 |
| 8/12/2012 7:45:06 PM | 0.28 | 227 | 363 | 5 |
| 8/12/2012 7:46:06 PM | 0.28 | 226 | 364 | 6 |
| 8/12/2012 7:47:06 PM | 0.27 | 227 | 363 | 6 |
| 8/12/2012 7:48:06 PM | 0.28 | 227 | 363 | 5 |
| 8/12/2012 7:49:06 PM | 0.27 | 228 | 363 | 5 |
| 8/12/2012 7:50:06 PM | 0.27 | 228 | 362 | 5 |
| 8/12/2012 7:51:06 PM | 0.27 | 228 | 363 | 5 |
| 8/12/2012 7:52:06 PM | 0.28 | 228 | 363 | 6 |
| 8/12/2012 7:53:06 PM | 0.28 | 228 | 363 | 6 |
| 8/12/2012 7:54:06 PM | 0.27 | 227 | 365 | 5 |
| 8/12/2012 7:55:06 PM | 0.27 | 227 | 366 | 5 |
| 8/12/2012 7:56:06 PM | 0.28 | 228 | 366 | 5 |
| 8/12/2012 7:57:06 PM | 0.27 | 227 | 366 | 5 |
| 8/12/2012 7:58:06 PM | 0.28 | 227 | 365 | 5 |
| 8/12/2012 7:59:06 PM | 0.27 | 226 | 364 | 5 |
| 8/12/2012 8:00:06 PM | 0.28 | 226 | 363 | 5 |
| 8/12/2012 8:01:06 PM | 0.27 | 225 | 362 | 5 |
| 8/12/2012 8:02:06 PM | 0.27 | 225 | 362 | 5 |
| 8/12/2012 8:03:06 PM | 0.28 | 225 | 361 | 5 |
| 8/12/2012 8:04:06 PM | 0.27 | 224 | 361 | 5 |
| 8/12/2012 8:05:06 PM | 0.28 | 224 | 360 | 5 |
| 8/12/2012 8:06:06 PM | 0.28 | 224 | 357 | 5 |
| 8/12/2012 8:07:06 PM | 0.27 | 224 | 357 | 5 |
| 8/12/2012 8:08:06 PM | 0.27 | 223 | 357 | 5 |
| 8/12/2012 8:09:06 PM | 0.28 | 223 | 356 | 5 |
| 8/12/2012 8:10:06 PM | 0.27 | 222 | 356 | 5 |
| 8/12/2012 8:11:06 PM | 0.28 | 222 | 355 | 5 |
| 8/12/2012 8:12:06 PM | 0.27 | 222 | 355 | 5 |
| 8/12/2012 8:13:06 PM | 0.27 | 223 | 355 | 5 |
| 8/12/2012 8:14:06 PM | 0.27 | 223 | 355 | 5 |
| 8/12/2012 8:15:06 PM | 0.28 | 223 | 355 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 8:16:06 PM | 0.28 | 223 | 355 | 5 |
| 8/12/2012 8:17:06 PM | 0.28 | 222 | 355 | 5 |
| 8/12/2012 8:18:06 PM | 0.28 | 222 | 355 | 5 |
| 8/12/2012 8:19:06 PM | 0.28 | 223 | 355 | 5 |
| 8/12/2012 8:20:06 PM | 0.28 | 223 | 356 | 5 |
| 8/12/2012 8:21:06 PM | 0.28 | 223 | 357 | 5 |
| 8/12/2012 8:22:06 PM | 0.28 | 223 | 357 | 5 |
| 8/12/2012 8:23:06 PM | 0.28 | 223 | 358 | 5 |
| 8/12/2012 8:24:06 PM | 0.28 | 223 | 357 | 5 |
| 8/12/2012 8:25:06 PM | 0.28 | 222 | 358 | 5 |
| 8/12/2012 8:26:06 PM | 0.28 | 223 | 357 | 5 |
| 8/12/2012 8:27:06 PM | 0.28 | 223 | 357 | 5 |
| 8/12/2012 8:28:06 PM | 0.28 | 223 | 358 | 5 |
| 8/12/2012 8:29:06 PM | 0.28 | 223 | 357 | 5 |
| 8/12/2012 8:30:06 PM | 0.28 | 222 | 356 | 5 |
| 8/12/2012 8:31:06 PM | 0.28 | 222 | 357 | 5 |
| 8/12/2012 8:32:06 PM | 0.28 | 221 | 355 | 5 |
| 8/12/2012 8:33:06 PM | 0.28 | 222 | 357 | 5 |
| 8/12/2012 8:34:06 PM | 0.28 | 223 | 357 | 5 |
| 8/12/2012 8:35:06 PM | 0.28 | 224 | 358 | 5 |
| 8/12/2012 8:36:06 PM | 0.28 | 224 | 358 | 5 |
| 8/12/2012 8:37:06 PM | 0.28 | 223 | 358 | 5 |
| 8/12/2012 8:38:06 PM | 0.28 | 222 | 358 | 5 |
| 8/12/2012 8:39:06 PM | 0.28 | 221 | 358 | 5 |
| 8/12/2012 8:40:06 PM | 0.28 | 219 | 357 | 5 |
| 8/12/2012 8:41:06 PM | 0.28 | 217 | 354 | 5 |
| 8/12/2012 8:42:06 PM | 0.29 | 217 | 352 | 5 |
| 8/12/2012 8:43:06 PM | 0.28 | 217 | 353 | 5 |
| 8/12/2012 8:44:06 PM | 0.28 | 217 | 353 | 5 |
| 8/12/2012 8:45:06 PM | 0.28 | 218 | 352 | 5 |
| 8/12/2012 8:46:06 PM | 0.28 | 218 | 352 | 5 |
| 8/12/2012 8:47:06 PM | 0.28 | 217 | 353 | 5 |
| 8/12/2012 8:48:06 PM | 0.28 | 217 | 352 | 5 |
| 8/12/2012 8:49:06 PM | 0.28 | 218 | 351 | 5 |
| 8/12/2012 8:50:06 PM | 0.28 | 220 | 353 | 5 |
| 8/12/2012 8:51:06 PM | 0.27 | 221 | 353 | 5 |
| 8/12/2012 8:52:06 PM | 0.28 | 224 | 355 | 5 |
| 8/12/2012 8:53:06 PM | 0.28 | 225 | 357 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 8:54:06 PM | 0.28 | 226 | 357 | 5 |
| 8/12/2012 8:55:06 PM | 0.27 | 226 | 357 | 5 |
| 8/12/2012 8:56:06 PM | 0.28 | 228 | 357 | 5 |
| 8/12/2012 8:57:06 PM | 0.27 | 229 | 358 | 5 |
| 8/12/2012 8:58:06 PM | 0.27 | 229 | 360 | 5 |
| 8/12/2012 8:59:06 PM | 0.28 | 228 | 360 | 5 |
| 8/12/2012 9:00:06 PM | 0.27 | 227 | 359 | 5 |
| 8/12/2012 9:01:06 PM | 0.27 | 226 | 358 | 5 |
| 8/12/2012 9:02:06 PM | 0.27 | 226 | 357 | 5 |
| 8/12/2012 9:03:06 PM | 0.27 | 225 | 355 | 5 |
| 8/12/2012 9:04:06 PM | 0.27 | 225 | 354 | 5 |
| 8/12/2012 9:05:06 PM | 0.28 | 225 | 354 | 5 |
| 8/12/2012 9:06:06 PM | 0.27 | 225 | 354 | 5 |
| 8/12/2012 9:07:06 PM | 0.28 | 225 | 353 | 5 |
| 8/12/2012 9:08:06 PM | 0.27 | 226 | 354 | 5 |
| 8/12/2012 9:09:06 PM | 0.28 | 226 | 354 | 5 |
| 8/12/2012 9:10:06 PM | 0.27 | 225 | 353 | 5 |
| 8/12/2012 9:11:06 PM | 0.28 | 225 | 353 | 5 |
| 8/12/2012 9:12:06 PM | 0.28 | 225 | 353 | 5 |
| 8/12/2012 9:13:06 PM | 0.28 | 224 | 353 | 5 |
| 8/12/2012 9:14:06 PM | 0.28 | 224 | 353 | 5 |
| 8/12/2012 9:15:06 PM | 0.27 | 224 | 355 | 5 |
| 8/12/2012 9:16:06 PM | 0.28 | 225 | 355 | 5 |
| 8/12/2012 9:17:06 PM | 0.28 | 225 | 357 | 5 |
| 8/12/2012 9:18:06 PM | 0.28 | 225 | 357 | 5 |
| 8/12/2012 9:19:06 PM | 0.28 | 226 | 358 | 5 |
| 8/12/2012 9:20:06 PM | 0.28 | 226 | 360 | 5 |
| 8/12/2012 9:21:06 PM | 0.28 | 226 | 361 | 5 |
| 8/12/2012 9:22:06 PM | 0.28 | 227 | 363 | 5 |
| 8/12/2012 9:23:06 PM | 0.28 | 227 | 365 | 5 |
| 8/12/2012 9:24:06 PM | 0.27 | 228 | 367 | 5 |
| 8/12/2012 9:25:06 PM | 0.28 | 228 | 368 | 5 |
| 8/12/2012 9:26:06 PM | 0.27 | 228 | 369 | 5 |
| 8/12/2012 9:27:06 PM | 0.27 | 228 | 372 | 5 |
| 8/12/2012 9:28:06 PM | 0.27 | 229 | 371 | 5 |
| 8/12/2012 9:29:06 PM | 0.28 | 229 | 372 | 5 |
| 8/12/2012 9:30:06 PM | 0.28 | 228 | 372 | 5 |
| 8/12/2012 9:31:06 PM | 0.27 | 229 | 372 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 9:32:06 PM | 0.28 | 228 | 370 | 5 |
| 8/12/2012 9:33:06 PM | 0.28 | 227 | 368 | 5 |
| 8/12/2012 9:34:06 PM | 0.27 | 227 | 367 | 5 |
| 8/12/2012 9:35:06 PM | 0.28 | 226 | 367 | 5 |
| 8/12/2012 9:36:06 PM | 0.28 | 225 | 365 | 5 |
| 8/12/2012 9:37:06 PM | 0.27 | 225 | 363 | 5 |
| 8/12/2012 9:38:06 PM | 0.28 | 225 | 362 | 5 |
| 8/12/2012 9:39:06 PM | 0.28 | 226 | 362 | 5 |
| 8/12/2012 9:40:06 PM | 0.28 | 226 | 362 | 5 |
| 8/12/2012 9:41:06 PM | 0.28 | 226 | 362 | 5 |
| 8/12/2012 9:42:06 PM | 0.27 | 226 | 362 | 5 |
| 8/12/2012 9:43:06 PM | 0.28 | 227 | 361 | 5 |
| 8/12/2012 9:44:06 PM | 0.27 | 227 | 362 | 5 |
| 8/12/2012 9:45:06 PM | 0.28 | 228 | 363 | 5 |
| 8/12/2012 9:46:06 PM | 0.28 | 229 | 362 | 5 |
| 8/12/2012 9:47:06 PM | 0.27 | 228 | 363 | 5 |
| 8/12/2012 9:48:06 PM | 0.27 | 229 | 363 | 5 |
| 8/12/2012 9:49:06 PM | 0.28 | 229 | 364 | 5 |
| 8/12/2012 9:50:06 PM | 0.28 | 229 | 364 | 5 |
| 8/12/2012 9:51:06 PM | 0.28 | 230 | 365 | 5 |
| 8/12/2012 9:52:06 PM | 0.27 | 229 | 366 | 5 |
| 8/12/2012 9:53:06 PM | 0.27 | 229 | 366 | 5 |
| 8/12/2012 9:54:06 PM | 0.28 | 229 | 365 | 5 |
| 8/12/2012 9:55:06 PM | 0.27 | 228 | 363 | 5 |
| 8/12/2012 9:56:06 PM | 0.28 | 227 | 363 | 5 |
| 8/12/2012 9:57:06 PM | 0.27 | 227 | 362 | 5 |
| 8/12/2012 9:58:06 PM | 0.27 | 227 | 361 | 5 |
| 8/12/2012 9:59:06 PM | 0.28 | 226 | 359 | 5 |
| 8/12/2012 10:00:06 PM | 0.28 | 226 | 359 | 5 |
| 8/12/2012 10:01:06 PM | 0.27 | 225 | 358 | 5 |
| 8/12/2012 10:02:06 PM | 0.28 | 224 | 358 | 5 |
| 8/12/2012 10:03:06 PM | 0.27 | 224 | 359 | 5 |
| 8/12/2012 10:04:06 PM | 0.28 | 224 | 358 | 5 |
| 8/12/2012 10:05:06 PM | 0.28 | 224 | 359 | 5 |
| 8/12/2012 10:06:06 PM | 0.28 | 225 | 361 | 5 |
| 8/12/2012 10:07:06 PM | 0.28 | 225 | 362 | 5 |
| 8/12/2012 10:08:06 PM | 0.27 | 226 | 362 | 5 |
| 8/12/2012 10:09:06 PM | 0.28 | 226 | 363 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 10:10:06 PM | 0.28 | 227 | 364 | 5 |
| 8/12/2012 10:11:06 PM | 0.28 | 227 | 367 | 5 |
| 8/12/2012 10:12:06 PM | 0.28 | 228 | 369 | 5 |
| 8/12/2012 10:13:06 PM | 0.27 | 229 | 370 | 5 |
| 8/12/2012 10:14:06 PM | 0.27 | 229 | 372 | 5 |
| 8/12/2012 10:15:06 PM | 0.27 | 229 | 372 | 5 |
| 8/12/2012 10:16:06 PM | 0.27 | 229 | 372 | 5 |
| 8/12/2012 10:17:06 PM | 0.27 | 230 | 372 | 5 |
| 8/12/2012 10:18:06 PM | 0.27 | 230 | 372 | 5 |
| 8/12/2012 10:19:06 PM | 0.27 | 230 | 372 | 5 |
| 8/12/2012 10:20:06 PM | 0.27 | 230 | 373 | 5 |
| 8/12/2012 10:21:06 PM | 0.27 | 230 | 373 | 5 |
| 8/12/2012 10:22:06 PM | 0.27 | 230 | 372 | 5 |
| 8/12/2012 10:23:06 PM | 0.27 | 230 | 372 | 5 |
| 8/12/2012 10:24:06 PM | 0.27 | 230 | 372 | 5 |
| 8/12/2012 10:25:06 PM | 0.27 | 230 | 370 | 5 |
| 8/12/2012 10:26:06 PM | 0.27 | 230 | 370 | 5 |
| 8/12/2012 10:27:06 PM | 0.27 | 230 | 371 | 5 |
| 8/12/2012 10:28:06 PM | 0.27 | 230 | 371 | 5 |
| 8/12/2012 10:29:06 PM | 0.27 | 230 | 371 | 5 |
| 8/12/2012 10:30:06 PM | 0.27 | 230 | 370 | 5 |
| 8/12/2012 10:31:06 PM | 0.28 | 229 | 369 | 5 |
| 8/12/2012 10:32:06 PM | 0.28 | 229 | 368 | 5 |
| 8/12/2012 10:33:06 PM | 0.28 | 229 | 369 | 5 |
| 8/12/2012 10:34:06 PM | 0.27 | 228 | 369 | 5 |
| 8/12/2012 10:35:06 PM | 0.27 | 228 | 367 | 5 |
| 8/12/2012 10:36:06 PM | 0.27 | 228 | 368 | 5 |
| 8/12/2012 10:37:06 PM | 0.27 | 228 | 367 | 5 |
| 8/12/2012 10:38:06 PM | 0.28 | 228 | 367 | 5 |
| 8/12/2012 10:39:06 PM | 0.28 | 228 | 367 | 5 |
| 8/12/2012 10:40:06 PM | 0.28 | 227 | 367 | 5 |
| 8/12/2012 10:41:06 PM | 0.27 | 227 | 367 | 5 |
| 8/12/2012 10:42:06 PM | 0.28 | 226 | 368 | 5 |
| 8/12/2012 10:43:06 PM | 0.28 | 226 | 366 | 5 |
| 8/12/2012 10:44:06 PM | 0.28 | 225 | 366 | 5 |
| 8/12/2012 10:45:06 PM | 0.28 | 226 | 367 | 5 |
| 8/12/2012 10:46:06 PM | 0.27 | 226 | 366 | 5 |
| 8/12/2012 10:47:06 PM | 0.27 | 226 | 366 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 10:48:06 PM | 0.28 | 225 | 368 | 5 |
| 8/12/2012 10:49:06 PM | 0.28 | 225 | 367 | 5 |
| 8/12/2012 10:50:06 PM | 0.28 | 225 | 365 | 5 |
| 8/12/2012 10:51:06 PM | 0.27 | 225 | 363 | 5 |
| 8/12/2012 10:52:06 PM | 0.28 | 225 | 362 | 5 |
| 8/12/2012 10:53:06 PM | 0.27 | 225 | 361 | 5 |
| 8/12/2012 10:54:06 PM | 0.28 | 225 | 361 | 5 |
| 8/12/2012 10:55:06 PM | 0.28 | 225 | 361 | 5 |
| 8/12/2012 10:56:06 PM | 0.28 | 224 | 361 | 5 |
| 8/12/2012 10:57:06 PM | 0.28 | 224 | 361 | 5 |
| 8/12/2012 10:58:06 PM | 0.28 | 223 | 361 | 5 |
| 8/12/2012 10:59:06 PM | 0.28 | 222 | 362 | 5 |
| 8/12/2012 11:00:06 PM | 0.28 | 219 | 361 | 5 |
| 8/12/2012 11:01:06 PM | 0.27 | 217 | 358 | 5 |
| 8/12/2012 11:02:06 PM | 0.28 | 218 | 357 | 5 |
| 8/12/2012 11:03:06 PM | 0.27 | 220 | 356 | 5 |
| 8/12/2012 11:04:06 PM | 0.27 | 224 | 357 | 5 |
| 8/12/2012 11:05:06 PM | 0.27 | 225 | 359 | 5 |
| 8/12/2012 11:06:06 PM | 0.28 | 225 | 361 | 5 |
| 8/12/2012 11:07:06 PM | 0.27 | 225 | 362 | 5 |
| 8/12/2012 11:08:06 PM | 0.28 | 225 | 363 | 5 |
| 8/12/2012 11:09:06 PM | 0.27 | 224 | 363 | 5 |
| 8/12/2012 11:10:06 PM | 0.28 | 223 | 364 | 5 |
| 8/12/2012 11:11:06 PM | 0.28 | 224 | 363 | 5 |
| 8/12/2012 11:12:06 PM | 0.27 | 224 | 362 | 5 |
| 8/12/2012 11:13:06 PM | 0.27 | 224 | 362 | 5 |
| 8/12/2012 11:14:06 PM | 0.27 | 226 | 362 | 5 |
| 8/12/2012 11:15:06 PM | 0.28 | 227 | 363 | 5 |
| 8/12/2012 11:16:06 PM | 0.28 | 228 | 363 | 5 |
| 8/12/2012 11:17:06 PM | 0.28 | 229 | 363 | 5 |
| 8/12/2012 11:18:06 PM | 0.27 | 230 | 364 | 5 |
| 8/12/2012 11:19:06 PM | 0.27 | 230 | 363 | 5 |
| 8/12/2012 11:20:06 PM | 0.27 | 230 | 363 | 5 |
| 8/12/2012 11:21:06 PM | 0.28 | 229 | 363 | 5 |
| 8/12/2012 11:22:06 PM | 0.27 | 228 | 362 | 5 |
| 8/12/2012 11:23:06 PM | 0.28 | 228 | 362 | 5 |
| 8/12/2012 11:24:06 PM | 0.28 | 228 | 362 | 5 |
| 8/12/2012 11:25:06 PM | 0.28 | 229 | 362 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **12-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **12-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/12/2012 11:26:06 PM | 0.27 | 229 | 364 | 5 |
| 8/12/2012 11:27:06 PM | 0.27 | 230 | 364 | 5 |
| 8/12/2012 11:28:06 PM | 0.27 | 230 | 365 | 5 |
| 8/12/2012 11:29:06 PM | 0.28 | 230 | 363 | 5 |
| 8/12/2012 11:30:06 PM | 0.27 | 230 | 362 | 5 |
| 8/12/2012 11:31:06 PM | 0.27 | 230 | 364 | 5 |
| 8/12/2012 11:32:06 PM | 0.27 | 229 | 364 | 5 |
| 8/12/2012 11:33:06 PM | 0.27 | 229 | 363 | 5 |
| 8/12/2012 11:34:06 PM | 0.27 | 229 | 362 | 5 |
| 8/12/2012 11:35:06 PM | 0.27 | 228 | 363 | 5 |
| 8/12/2012 11:36:06 PM | 0.27 | 229 | 362 | 5 |
| 8/12/2012 11:37:06 PM | 0.27 | 230 | 361 | 5 |
| 8/12/2012 11:38:06 PM | 0.27 | 230 | 363 | 5 |
| 8/12/2012 11:39:06 PM | 0.27 | 230 | 362 | 5 |
| 8/12/2012 11:40:06 PM | 0.27 | 231 | 364 | 5 |
| 8/12/2012 11:41:06 PM | 0.27 | 232 | 363 | 5 |
| 8/12/2012 11:42:06 PM | 0.27 | 232 | 363 | 5 |
| 8/12/2012 11:43:06 PM | 0.27 | 232 | 364 | 5 |
| 8/12/2012 11:44:06 PM | 0.27 | 232 | 365 | 5 |
| 8/12/2012 11:45:06 PM | 0.27 | 232 | 365 | 5 |
| 8/12/2012 11:46:06 PM | 0.27 | 232 | 364 | 5 |
| 8/12/2012 11:47:06 PM | 0.27 | 232 | 366 | 5 |
| 8/12/2012 11:48:06 PM | 0.27 | 232 | 366 | 5 |
| 8/12/2012 11:49:06 PM | 0.27 | 232 | 366 | 5 |
| 8/12/2012 11:50:06 PM | 0.27 | 232 | 367 | 5 |
| 8/12/2012 11:51:06 PM | 0.27 | 232 | 367 | 5 |
| 8/12/2012 11:52:06 PM | 0.27 | 232 | 367 | 5 |
| 8/12/2012 11:53:06 PM | 0.27 | 232 | 368 | 5 |
| 8/12/2012 11:54:06 PM | 0.27 | 232 | 367 | 5 |
| 8/12/2012 11:55:06 PM | 0.27 | 231 | 366 | 5 |
| 8/12/2012 11:56:06 PM | 0.27 | 231 | 366 | 5 |
| 8/12/2012 11:57:06 PM | 0.27 | 231 | 365 | 5 |
| 8/12/2012 11:58:06 PM | 0.27 | 232 | 366 | 5 |
| 8/12/2012 11:59:06 PM | 0.27 | 232 | 365 | 5 |
| Averages | 0.28 | 226 | 374 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 0:00:06 AM | 0.27 | 232 | 367 | 5 |
| 8/13/2012 0:01:06 AM | 0.27 | 232 | 366 | 5 |
| 8/13/2012 0:02:06 AM | 0.28 | 232 | 368 | 5 |
| 8/13/2012 0:03:06 AM | 0.27 | 232 | 368 | 5 |
| 8/13/2012 0:04:06 AM | 0.27 | 231 | 369 | 4 |
| 8/13/2012 0:05:06 AM | 0.27 | 230 | 368 | 4 |
| 8/13/2012 0:06:06 AM | 0.27 | 231 | 368 | 4 |
| 8/13/2012 0:07:06 AM | 0.27 | 231 | 369 | 4 |
| 8/13/2012 0:08:06 AM | 0.27 | 231 | 369 | 4 |
| 8/13/2012 0:09:06 AM | 0.27 | 230 | 370 | 4 |
| 8/13/2012 0:10:06 AM | 0.27 | 230 | 370 | 5 |
| 8/13/2012 0:11:06 AM | 0.27 | 230 | 371 | 5 |
| 8/13/2012 0:12:06 AM | 0.27 | 230 | 371 | 5 |
| 8/13/2012 0:13:06 AM | 0.27 | 230 | 370 | 5 |
| 8/13/2012 0:14:06 AM | 0.27 | 230 | 369 | 5 |
| 8/13/2012 0:15:06 AM | 0.28 | 229 | 367 | 5 |
| 8/13/2012 0:16:06 AM | 0.27 | 229 | 367 | 5 |
| 8/13/2012 0:17:06 AM | 0.27 | 230 | 366 | 5 |
| 8/13/2012 0:18:06 AM | 0.27 | 230 | 366 | 5 |
| 8/13/2012 0:19:06 AM | 0.28 | 230 | 366 | 5 |
| 8/13/2012 0:20:06 AM | 0.27 | 231 | 365 | 5 |
| 8/13/2012 0:21:06 AM | 0.28 | 231 | 365 | 5 |
| 8/13/2012 0:22:06 AM | 0.27 | 230 | 365 | 5 |
| 8/13/2012 0:23:06 AM | 0.27 | 231 | 364 | 5 |
| 8/13/2012 0:24:06 AM | 0.27 | 230 | 364 | 5 |
| 8/13/2012 0:25:06 AM | 0.27 | 230 | 364 | 5 |
| 8/13/2012 0:26:06 AM | 0.27 | 230 | 365 | 5 |
| 8/13/2012 0:27:06 AM | 0.28 | 231 | 366 | 5 |
| 8/13/2012 0:28:06 AM | 0.27 | 231 | 366 | 5 |
| 8/13/2012 0:29:06 AM | 0.27 | 231 | 364 | 5 |
| 8/13/2012 0:30:06 AM | 0.28 | 231 | 364 | 5 |
| 8/13/2012 0:31:06 AM | 0.27 | 231 | 363 | 5 |
| 8/13/2012 0:32:06 AM | 0.27 | 231 | 364 | 5 |
| 8/13/2012 0:33:06 AM | 0.27 | 230 | 364 | 5 |
| 8/13/2012 0:34:06 AM | 0.28 | 230 | 364 | 5 |
| 8/13/2012 0:35:06 AM | 0.27 | 230 | 364 | 5 |
| 8/13/2012 0:36:06 AM | 0.27 | 230 | 364 | 5 |
| 8/13/2012 0:37:06 AM | 0.28 | 230 | 365 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 0:38:06 AM | 0.27 | 230 | 366 | 5 |
| 8/13/2012 0:39:06 AM | 0.27 | 230 | 368 | 5 |
| 8/13/2012 0:40:06 AM | 0.28 | 230 | 366 | 5 |
| 8/13/2012 0:41:06 AM | 0.27 | 229 | 368 | 5 |
| 8/13/2012 0:42:06 AM | 0.27 | 229 | 368 | 5 |
| 8/13/2012 0:43:06 AM | 0.27 | 229 | 368 | 5 |
| 8/13/2012 0:44:06 AM | 0.27 | 229 | 369 | 5 |
| 8/13/2012 0:45:06 AM | 0.27 | 229 | 370 | 4 |
| 8/13/2012 0:46:06 AM | 0.27 | 229 | 369 | 4 |
| 8/13/2012 0:47:06 AM | 0.27 | 229 | 368 | 4 |
| 8/13/2012 0:48:06 AM | 0.27 | 229 | 369 | 4 |
| 8/13/2012 0:49:06 AM | 0.28 | 229 | 369 | 5 |
| 8/13/2012 0:50:06 AM | 0.27 | 228 | 367 | 5 |
| 8/13/2012 0:51:06 AM | 0.27 | 228 | 368 | 5 |
| 8/13/2012 0:52:06 AM | 0.27 | 228 | 367 | 5 |
| 8/13/2012 0:53:06 AM | 0.27 | 229 | 367 | 5 |
| 8/13/2012 0:54:06 AM | 0.28 | 229 | 366 | 5 |
| 8/13/2012 0:55:06 AM | 0.27 | 228 | 365 | 5 |
| 8/13/2012 0:56:06 AM | 0.27 | 228 | 364 | 5 |
| 8/13/2012 0:57:06 AM | 0.28 | 228 | 364 | 5 |
| 8/13/2012 0:58:06 AM | 0.28 | 228 | 363 | 5 |
| 8/13/2012 0:59:06 AM | 0.28 | 228 | 362 | 5 |
| 8/13/2012 1:00:06 AM | 0.27 | 227 | 361 | 5 |
| 8/13/2012 1:01:06 AM | 0.28 | 227 | 360 | 5 |
| 8/13/2012 1:02:06 AM | 0.28 | 227 | 360 | 5 |
| 8/13/2012 1:03:06 AM | 0.28 | 228 | 358 | 5 |
| 8/13/2012 1:04:06 AM | 0.28 | 228 | 359 | 5 |
| 8/13/2012 1:05:06 AM | 0.28 | 229 | 358 | 5 |
| 8/13/2012 1:06:06 AM | 0.28 | 229 | 360 | 5 |
| 8/13/2012 1:07:06 AM | 0.28 | 229 | 359 | 5 |
| 8/13/2012 1:08:06 AM | 0.27 | 228 | 362 | 5 |
| 8/13/2012 1:09:06 AM | 0.28 | 228 | 361 | 5 |
| 8/13/2012 1:10:06 AM | 0.28 | 228 | 360 | 5 |
| 8/13/2012 1:11:06 AM | 0.28 | 227 | 359 | 5 |
| 8/13/2012 1:12:06 AM | 0.28 | 227 | 360 | 5 |
| 8/13/2012 1:13:06 AM | 0.28 | 227 | 359 | 5 |
| 8/13/2012 1:14:06 AM | 0.28 | 227 | 360 | 5 |
| 8/13/2012 1:15:06 AM | 0.27 | 227 | 359 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 1:16:06 AM | 0.28 | 227 | 359 | 5 |
| 8/13/2012 1:17:06 AM | 0.28 | 227 | 359 | 5 |
| 8/13/2012 1:18:06 AM | 0.28 | 227 | 360 | 5 |
| 8/13/2012 1:19:06 AM | 0.28 | 227 | 360 | 5 |
| 8/13/2012 1:20:06 AM | 0.28 | 227 | 362 | 5 |
| 8/13/2012 1:21:06 AM | 0.28 | 227 | 362 | 5 |
| 8/13/2012 1:22:06 AM | 0.28 | 228 | 363 | 5 |
| 8/13/2012 1:23:06 AM | 0.27 | 227 | 365 | 5 |
| 8/13/2012 1:24:06 AM | 0.28 | 227 | 366 | 4 |
| 8/13/2012 1:25:06 AM | 0.28 | 227 | 366 | 4 |
| 8/13/2012 1:26:06 AM | 0.27 | 227 | 367 | 4 |
| 8/13/2012 1:27:06 AM | 0.27 | 226 | 367 | 4 |
| 8/13/2012 1:28:06 AM | 0.27 | 226 | 367 | 5 |
| 8/13/2012 1:29:06 AM | 0.27 | 226 | 367 | 5 |
| 8/13/2012 1:30:06 AM | 0.27 | 226 | 367 | 5 |
| 8/13/2012 1:31:06 AM | 0.27 | 227 | 367 | 5 |
| 8/13/2012 1:32:06 AM | 0.28 | 228 | 367 | 5 |
| 8/13/2012 1:33:06 AM | 0.28 | 227 | 367 | 5 |
| 8/13/2012 1:34:06 AM | 0.27 | 227 | 366 | 5 |
| 8/13/2012 1:35:06 AM | 0.28 | 227 | 367 | 5 |
| 8/13/2012 1:36:06 AM | 0.27 | 227 | 364 | 5 |
| 8/13/2012 1:37:06 AM | 0.27 | 227 | 364 | 5 |
| 8/13/2012 1:38:06 AM | 0.28 | 227 | 363 | 5 |
| 8/13/2012 1:39:06 AM | 0.28 | 228 | 363 | 5 |
| 8/13/2012 1:40:06 AM | 0.27 | 228 | 363 | 5 |
| 8/13/2012 1:41:06 AM | 0.27 | 229 | 361 | 5 |
| 8/13/2012 1:42:06 AM | 0.27 | 229 | 362 | 5 |
| 8/13/2012 1:43:06 AM | 0.27 | 229 | 363 | 5 |
| 8/13/2012 1:44:06 AM | 0.28 | 230 | 363 | 5 |
| 8/13/2012 1:45:06 AM | 0.28 | 230 | 363 | 5 |
| 8/13/2012 1:46:06 AM | 0.27 | 229 | 362 | 5 |
| 8/13/2012 1:47:06 AM | 0.28 | 230 | 363 | 5 |
| 8/13/2012 1:48:06 AM | 0.27 | 230 | 365 | 5 |
| 8/13/2012 1:49:06 AM | 0.27 | 230 | 362 | 5 |
| 8/13/2012 1:50:06 AM | 0.27 | 230 | 362 | 5 |
| 8/13/2012 1:51:06 AM | 0.27 | 230 | 361 | 5 |
| 8/13/2012 1:52:06 AM | 0.27 | 230 | 362 | 5 |
| 8/13/2012 1:53:06 AM | 0.27 | 230 | 362 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 1:54:06 AM | 0.27 | 230 | 361 | 5 |
| 8/13/2012 1:55:06 AM | 0.27 | 230 | 359 | 5 |
| 8/13/2012 1:56:06 AM | 0.27 | 230 | 359 | 5 |
| 8/13/2012 1:57:06 AM | 0.27 | 231 | 359 | 4 |
| 8/13/2012 1:58:06 AM | 0.27 | 231 | 359 | 4 |
| 8/13/2012 1:59:06 AM | 0.27 | 230 | 359 | 4 |
| 8/13/2012 2:00:06 AM | 0.27 | 229 | 357 | 4 |
| 8/13/2012 2:01:06 AM | 0.27 | 228 | 357 | 5 |
| 8/13/2012 2:02:06 AM | 0.27 | 228 | 357 | 5 |
| 8/13/2012 2:03:06 AM | 0.27 | 228 | 359 | 4 |
| 8/13/2012 2:04:06 AM | 0.27 | 228 | 358 | 4 |
| 8/13/2012 2:05:06 AM | 0.28 | 229 | 357 | 4 |
| 8/13/2012 2:06:06 AM | 0.27 | 228 | 357 | 4 |
| 8/13/2012 2:07:06 AM | 0.28 | 228 | 357 | 4 |
| 8/13/2012 2:08:06 AM | 0.27 | 228 | 357 | 4 |
| 8/13/2012 2:09:06 AM | 0.27 | 228 | 358 | 4 |
| 8/13/2012 2:10:06 AM | 0.27 | 228 | 359 | 4 |
| 8/13/2012 2:11:06 AM | 0.27 | 227 | 358 | 4 |
| 8/13/2012 2:12:06 AM | 0.28 | 227 | 358 | 4 |
| 8/13/2012 2:13:06 AM | 0.27 | 227 | 360 | 4 |
| 8/13/2012 2:14:06 AM | 0.27 | 227 | 360 | 4 |
| 8/13/2012 2:15:06 AM | 0.27 | 227 | 359 | 4 |
| 8/13/2012 2:16:06 AM | 0.27 | 227 | 358 | 4 |
| 8/13/2012 2:17:06 AM | 0.27 | 227 | 358 | 4 |
| 8/13/2012 2:18:06 AM | 0.27 | 228 | 360 | 4 |
| 8/13/2012 2:19:06 AM | 0.27 | 229 | 362 | 5 |
| 8/13/2012 2:20:06 AM | 0.27 | 230 | 363 | 5 |
| 8/13/2012 2:21:06 AM | 0.27 | 230 | 363 | 5 |
| 8/13/2012 2:22:06 AM | 0.27 | 231 | 363 | 5 |
| 8/13/2012 2:23:06 AM | 0.27 | 231 | 362 | 5 |
| 8/13/2012 2:24:06 AM | 0.27 | 232 | 363 | 5 |
| 8/13/2012 2:25:06 AM | 0.27 | 232 | 362 | 5 |
| 8/13/2012 2:26:06 AM | 0.28 | 232 | 363 | 5 |
| 8/13/2012 2:27:06 AM | 0.27 | 231 | 363 | 5 |
| 8/13/2012 2:28:06 AM | 0.27 | 230 | 362 | 5 |
| 8/13/2012 2:29:06 AM | 0.27 | 230 | 360 | 5 |
| 8/13/2012 2:30:06 AM | 0.27 | 230 | 360 | 5 |
| 8/13/2012 2:31:06 AM | 0.27 | 230 | 359 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 2:32:06 AM | 0.27 | 230 | 358 | 5 |
| 8/13/2012 2:33:06 AM | 0.27 | 229 | 357 | 5 |
| 8/13/2012 2:34:06 AM | 0.27 | 229 | 357 | 5 |
| 8/13/2012 2:35:06 AM | 0.27 | 229 | 357 | 5 |
| 8/13/2012 2:36:06 AM | 0.27 | 228 | 356 | 5 |
| 8/13/2012 2:37:06 AM | 0.27 | 228 | 354 | 5 |
| 8/13/2012 2:38:06 AM | 0.27 | 228 | 353 | 5 |
| 8/13/2012 2:39:06 AM | 0.27 | 228 | 353 | 5 |
| 8/13/2012 2:40:06 AM | 0.27 | 228 | 353 | 5 |
| 8/13/2012 2:41:06 AM | 0.27 | 228 | 353 | 5 |
| 8/13/2012 2:42:06 AM | 0.27 | 228 | 353 | 5 |
| 8/13/2012 2:43:06 AM | 0.27 | 229 | 354 | 5 |
| 8/13/2012 2:44:06 AM | 0.27 | 229 | 356 | 5 |
| 8/13/2012 2:45:06 AM | 0.27 | 229 | 356 | 4 |
| 8/13/2012 2:46:06 AM | 0.27 | 229 | 357 | 4 |
| 8/13/2012 2:47:06 AM | 0.27 | 228 | 358 | 4 |
| 8/13/2012 2:48:06 AM | 0.27 | 228 | 358 | 4 |
| 8/13/2012 2:49:06 AM | 0.27 | 228 | 359 | 4 |
| 8/13/2012 2:50:06 AM | 0.27 | 229 | 360 | 4 |
| 8/13/2012 2:51:06 AM | 0.27 | 228 | 362 | 4 |
| 8/13/2012 2:52:06 AM | 0.28 | 229 | 362 | 4 |
| 8/13/2012 2:53:06 AM | 0.27 | 229 | 362 | 4 |
| 8/13/2012 2:54:06 AM | 0.27 | 228 | 364 | 4 |
| 8/13/2012 2:55:06 AM | 0.27 | 228 | 363 | 4 |
| 8/13/2012 2:56:06 AM | 0.27 | 227 | 363 | 4 |
| 8/13/2012 2:57:06 AM | 0.28 | 227 | 363 | 4 |
| 8/13/2012 2:58:06 AM | 0.27 | 227 | 363 | 4 |
| 8/13/2012 2:59:06 AM | 0.27 | 226 | 362 | 4 |
| 8/13/2012 3:00:06 AM | 0.27 | 226 | 362 | 4 |
| 8/13/2012 3:01:06 AM | 0.27 | 227 | 362 | 5 |
| 8/13/2012 3:02:06 AM | 0.27 | 227 | 361 | 5 |
| 8/13/2012 3:03:06 AM | 0.27 | 228 | 359 | 5 |
| 8/13/2012 3:04:06 AM | 0.27 | 228 | 358 | 5 |
| 8/13/2012 3:05:06 AM | 0.27 | 228 | 358 | 5 |
| 8/13/2012 3:06:06 AM | 0.27 | 228 | 358 | 5 |
| 8/13/2012 3:07:06 AM | 0.28 | 227 | 358 | 5 |
| 8/13/2012 3:08:06 AM | 0.27 | 226 | 358 | 5 |
| 8/13/2012 3:09:06 AM | 0.28 | 226 | 358 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 3:10:06 AM | 0.27 | 226 | 359 | 5 |
| 8/13/2012 3:11:06 AM | 0.28 | 226 | 359 | 5 |
| 8/13/2012 3:12:06 AM | 0.27 | 227 | 358 | 5 |
| 8/13/2012 3:13:06 AM | 0.27 | 227 | 359 | 5 |
| 8/13/2012 3:14:06 AM | 0.27 | 228 | 359 | 5 |
| 8/13/2012 3:15:06 AM | 0.27 | 228 | 361 | 5 |
| 8/13/2012 3:16:06 AM | 0.27 | 229 | 360 | 5 |
| 8/13/2012 3:17:06 AM | 0.28 | 229 | 360 | 5 |
| 8/13/2012 3:18:06 AM | 0.27 | 228 | 361 | 5 |
| 8/13/2012 3:19:06 AM | 0.27 | 228 | 363 | 5 |
| 8/13/2012 3:20:06 AM | 0.27 | 228 | 363 | 5 |
| 8/13/2012 3:21:06 AM | 0.28 | 228 | 363 | 4 |
| 8/13/2012 3:22:06 AM | 0.27 | 228 | 363 | 4 |
| 8/13/2012 3:23:06 AM | 0.27 | 228 | 362 | 4 |
| 8/13/2012 3:24:06 AM | 0.27 | 228 | 363 | 4 |
| 8/13/2012 3:25:06 AM | 0.27 | 229 | 363 | 4 |
| 8/13/2012 3:26:06 AM | 0.28 | 229 | 364 | 4 |
| 8/13/2012 3:27:06 AM | 0.28 | 229 | 365 | 4 |
| 8/13/2012 3:28:06 AM | 0.27 | 228 | 367 | 4 |
| 8/13/2012 3:29:06 AM | 0.27 | 228 | 367 | 4 |
| 8/13/2012 3:30:06 AM | 0.27 | 229 | 367 | 4 |
| 8/13/2012 3:31:06 AM | 0.28 | 229 | 367 | 4 |
| 8/13/2012 3:32:06 AM | 0.27 | 228 | 369 | 4 |
| 8/13/2012 3:33:06 AM | 0.28 | 228 | 369 | 4 |
| 8/13/2012 3:34:06 AM | 0.27 | 228 | 371 | 4 |
| 8/13/2012 3:35:06 AM | 0.28 | 228 | 372 | 4 |
| 8/13/2012 3:36:06 AM | 0.27 | 227 | 372 | 4 |
| 8/13/2012 3:37:06 AM | 0.27 | 227 | 372 | 4 |
| 8/13/2012 3:38:06 AM | 0.28 | 227 | 372 | 4 |
| 8/13/2012 3:39:06 AM | 0.27 | 226 | 372 | 4 |
| 8/13/2012 3:40:06 AM | 0.27 | 227 | 372 | 4 |
| 8/13/2012 3:41:06 AM | 0.27 | 226 | 372 | 4 |
| 8/13/2012 3:42:06 AM | 0.28 | 226 | 372 | 5 |
| 8/13/2012 3:43:06 AM | 0.27 | 226 | 370 | 5 |
| 8/13/2012 3:44:06 AM | 0.27 | 225 | 369 | 5 |
| 8/13/2012 3:45:06 AM | 0.28 | 226 | 368 | 5 |
| 8/13/2012 3:46:06 AM | 0.28 | 226 | 368 | 5 |
| 8/13/2012 3:47:06 AM | 0.28 | 226 | 368 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 3:48:06 AM | 0.27 | 226 | 367 | 5 |
| 8/13/2012 3:49:06 AM | 0.27 | 225 | 367 | 5 |
| 8/13/2012 3:50:06 AM | 0.28 | 225 | 367 | 5 |
| 8/13/2012 3:51:06 AM | 0.28 | 225 | 366 | 5 |
| 8/13/2012 3:52:06 AM | 0.28 | 226 | 365 | 5 |
| 8/13/2012 3:53:06 AM | 0.28 | 227 | 364 | 5 |
| 8/13/2012 3:54:06 AM | 0.28 | 228 | 364 | 5 |
| 8/13/2012 3:55:06 AM | 0.27 | 228 | 363 | 5 |
| 8/13/2012 3:56:06 AM | 0.28 | 229 | 363 | 5 |
| 8/13/2012 3:57:06 AM | 0.27 | 228 | 363 | 4 |
| 8/13/2012 3:58:06 AM | 0.27 | 228 | 362 | 4 |
| 8/13/2012 3:59:06 AM | 0.27 | 228 | 362 | 4 |
| 8/13/2012 4:00:06 AM | 0.27 | 228 | 362 | 4 |
| 8/13/2012 4:01:06 AM | 0.27 | 228 | 362 | 4 |
| 8/13/2012 4:02:06 AM | 0.28 | 228 | 362 | 4 |
| 8/13/2012 4:03:06 AM | 0.28 | 228 | 362 | 4 |
| 8/13/2012 4:04:06 AM | 0.28 | 228 | 362 | 4 |
| 8/13/2012 4:05:06 AM | 0.27 | 228 | 363 | 4 |
| 8/13/2012 4:06:06 AM | 0.27 | 228 | 364 | 4 |
| 8/13/2012 4:07:06 AM | 0.27 | 229 | 365 | 4 |
| 8/13/2012 4:08:06 AM | 0.27 | 229 | 367 | 4 |
| 8/13/2012 4:09:06 AM | 0.27 | 229 | 367 | 4 |
| 8/13/2012 4:10:06 AM | 0.28 | 228 | 367 | 4 |
| 8/13/2012 4:11:06 AM | 0.28 | 228 | 368 | 4 |
| 8/13/2012 4:12:06 AM | 0.28 | 228 | 369 | 4 |
| 8/13/2012 4:13:06 AM | 0.27 | 227 | 368 | 4 |
| 8/13/2012 4:14:06 AM | 0.27 | 228 | 369 | 4 |
| 8/13/2012 4:15:06 AM | 0.27 | 228 | 370 | 4 |
| 8/13/2012 4:16:06 AM | 0.27 | 227 | 370 | 4 |
| 8/13/2012 4:17:06 AM | 0.27 | 228 | 371 | 4 |
| 8/13/2012 4:18:06 AM | 0.27 | 228 | 371 | 4 |
| 8/13/2012 4:19:06 AM | 0.27 | 228 | 370 | 4 |
| 8/13/2012 4:20:06 AM | 0.27 | 228 | 370 | 4 |
| 8/13/2012 4:21:06 AM | 0.27 | 228 | 370 | 4 |
| 8/13/2012 4:22:06 AM | 0.27 | 228 | 369 | 5 |
| 8/13/2012 4:23:06 AM | 0.27 | 228 | 368 | 5 |
| 8/13/2012 4:24:06 AM | 0.27 | 227 | 367 | 5 |
| 8/13/2012 4:25:06 AM | 0.27 | 228 | 369 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 4:26:06 AM | 0.27 | 227 | 367 | 5 |
| 8/13/2012 4:27:06 AM | 0.28 | 227 | 367 | 5 |
| 8/13/2012 4:28:06 AM | 0.27 | 227 | 365 | 5 |
| 8/13/2012 4:29:06 AM | 0.27 | 226 | 365 | 5 |
| 8/13/2012 4:30:06 AM | 0.27 | 227 | 365 | 4 |
| 8/13/2012 4:31:06 AM | 0.27 | 226 | 365 | 4 |
| 8/13/2012 4:32:06 AM | 0.27 | 227 | 365 | 4 |
| 8/13/2012 4:33:06 AM | 0.28 | 227 | 364 | 4 |
| 8/13/2012 4:34:06 AM | 0.27 | 227 | 363 | 4 |
| 8/13/2012 4:35:06 AM | 0.27 | 227 | 363 | 4 |
| 8/13/2012 4:36:06 AM | 0.27 | 226 | 362 | 4 |
| 8/13/2012 4:37:06 AM | 0.27 | 226 | 362 | 4 |
| 8/13/2012 4:38:06 AM | 0.27 | 226 | 361 | 4 |
| 8/13/2012 4:39:06 AM | 0.27 | 226 | 362 | 4 |
| 8/13/2012 4:40:06 AM | 0.28 | 226 | 363 | 4 |
| 8/13/2012 4:41:06 AM | 0.27 | 226 | 362 | 4 |
| 8/13/2012 4:42:06 AM | 0.27 | 226 | 364 | 4 |
| 8/13/2012 4:43:06 AM | 0.27 | 226 | 363 | 4 |
| 8/13/2012 4:44:06 AM | 0.28 | 226 | 362 | 4 |
| 8/13/2012 4:45:06 AM | 0.27 | 226 | 364 | 4 |
| 8/13/2012 4:46:06 AM | 0.27 | 226 | 366 | 4 |
| 8/13/2012 4:47:06 AM | 0.27 | 226 | 366 | 4 |
| 8/13/2012 4:48:06 AM | 0.27 | 226 | 367 | 4 |
| 8/13/2012 4:49:06 AM | 0.28 | 227 | 368 | 4 |
| 8/13/2012 4:50:06 AM | 0.28 | 227 | 368 | 4 |
| 8/13/2012 4:51:06 AM | 0.27 | 227 | 368 | 4 |
| 8/13/2012 4:52:06 AM | 0.27 | 227 | 372 | 4 |
| 8/13/2012 4:53:06 AM | 0.28 | 228 | 372 | 4 |
| 8/13/2012 4:54:06 AM | 0.27 | 228 | 371 | 4 |
| 8/13/2012 4:55:06 AM | 0.27 | 227 | 369 | 4 |
| 8/13/2012 4:56:06 AM | 0.27 | 228 | 368 | 4 |
| 8/13/2012 4:57:06 AM | 0.27 | 227 | 368 | 4 |
| 8/13/2012 4:58:06 AM | 0.27 | 228 | 368 | 4 |
| 8/13/2012 4:59:06 AM | 0.27 | 228 | 367 | 4 |
| 8/13/2012 5:00:06 AM | 0.27 | 228 | 367 | 4 |
| 8/13/2012 5:01:06 AM | 0.27 | 228 | 366 | 4 |
| 8/13/2012 5:02:06 AM | 0.27 | 227 | 365 | 4 |
| 8/13/2012 5:03:06 AM | 0.27 | 227 | 363 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 5:04:06 AM | 0.28 | 227 | 363 | 4 |
| 8/13/2012 5:05:06 AM | 0.27 | 227 | 363 | 4 |
| 8/13/2012 5:06:06 AM | 0.28 | 227 | 362 | 4 |
| 8/13/2012 5:07:06 AM | 0.28 | 227 | 363 | 4 |
| 8/13/2012 5:08:06 AM | 0.27 | 226 | 362 | 4 |
| 8/13/2012 5:09:06 AM | 0.28 | 226 | 361 | 4 |
| 8/13/2012 5:10:06 AM | 0.28 | 226 | 360 | 4 |
| 8/13/2012 5:11:06 AM | 0.28 | 226 | 358 | 4 |
| 8/13/2012 5:12:06 AM | 0.28 | 226 | 359 | 4 |
| 8/13/2012 5:13:06 AM | 0.28 | 227 | 359 | 4 |
| 8/13/2012 5:14:06 AM | 0.27 | 227 | 358 | 4 |
| 8/13/2012 5:15:06 AM | 0.28 | 226 | 358 | 4 |
| 8/13/2012 5:16:06 AM | 0.27 | 227 | 358 | 4 |
| 8/13/2012 5:17:06 AM | 0.28 | 227 | 360 | 4 |
| 8/13/2012 5:18:06 AM | 0.27 | 227 | 361 | 4 |
| 8/13/2012 5:19:06 AM | 0.27 | 227 | 362 | 4 |
| 8/13/2012 5:20:06 AM | 0.27 | 228 | 362 | 4 |
| 8/13/2012 5:21:06 AM | 0.27 | 228 | 363 | 4 |
| 8/13/2012 5:22:06 AM | 0.27 | 228 | 364 | 4 |
| 8/13/2012 5:23:06 AM | 0.27 | 228 | 365 | 4 |
| 8/13/2012 5:24:06 AM | 0.28 | 229 | 367 | 4 |
| 8/13/2012 5:25:06 AM | 0.27 | 228 | 367 | 4 |
| 8/13/2012 5:26:06 AM | 0.27 | 228 | 367 | 4 |
| 8/13/2012 5:27:06 AM | 0.27 | 228 | 367 | 4 |
| 8/13/2012 5:28:06 AM | 0.28 | 228 | 367 | 4 |
| 8/13/2012 5:29:06 AM | 0.27 | 228 | 368 | 4 |
| 8/13/2012 5:30:06 AM | 0.27 | 228 | 367 | 4 |
| 8/13/2012 5:31:06 AM | 0.27 | 228 | 366 | 4 |
| 8/13/2012 5:32:06 AM | 0.28 | 228 | 365 | 4 |
| 8/13/2012 5:33:06 AM | 0.28 | 229 | 364 | 4 |
| 8/13/2012 5:34:06 AM | 0.28 | 229 | 363 | 4 |
| 8/13/2012 5:35:06 AM | 0.27 | 229 | 362 | 4 |
| 8/13/2012 5:36:06 AM | 0.27 | 229 | 363 | 4 |
| 8/13/2012 5:37:06 AM | 0.28 | 229 | 362 | 4 |
| 8/13/2012 5:38:06 AM | 0.27 | 229 | 363 | 4 |
| 8/13/2012 5:39:06 AM | 0.27 | 229 | 362 | 4 |
| 8/13/2012 5:40:06 AM | 0.28 | 229 | 362 | 4 |
| 8/13/2012 5:41:06 AM | 0.27 | 228 | 362 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 5:42:06 AM | 0.27 | 228 | 361 | 4 |
| 8/13/2012 5:43:06 AM | 0.27 | 229 | 362 | 4 |
| 8/13/2012 5:44:06 AM | 0.27 | 229 | 361 | 4 |
| 8/13/2012 5:45:06 AM | 0.27 | 229 | 361 | 4 |
| 8/13/2012 5:46:06 AM | 0.27 | 229 | 361 | 4 |
| 8/13/2012 5:47:06 AM | 0.27 | 230 | 361 | 4 |
| 8/13/2012 5:48:06 AM | 0.27 | 230 | 360 | 4 |
| 8/13/2012 5:49:06 AM | 0.27 | 229 | 361 | 4 |
| 8/13/2012 5:50:06 AM | 0.28 | 229 | 360 | 4 |
| 8/13/2012 5:51:06 AM | 0.27 | 229 | 360 | 4 |
| 8/13/2012 5:52:06 AM | 0.27 | 229 | 360 | 4 |
| 8/13/2012 5:53:06 AM | 0.27 | 229 | 362 | 4 |
| 8/13/2012 5:54:06 AM | 0.27 | 229 | 360 | 4 |
| 8/13/2012 5:55:06 AM | 0.28 | 228 | 360 | 4 |
| 8/13/2012 5:56:06 AM | 0.27 | 228 | 360 | 4 |
| 8/13/2012 5:57:06 AM | 0.28 | 228 | 360 | 4 |
| 8/13/2012 5:58:06 AM | 0.27 | 228 | 361 | 4 |
| 8/13/2012 5:59:06 AM | 0.28 | 228 | 362 | 4 |
| 8/13/2012 6:00:06 AM | 0.27 | 228 | 363 | 4 |
| 8/13/2012 6:01:06 AM | 0.28 | 228 | 363 | 4 |
| 8/13/2012 6:02:06 AM | 0.28 | 227 | 363 | 4 |
| 8/13/2012 6:03:06 AM | 0.28 | 228 | 363 | 4 |
| 8/13/2012 6:04:06 AM | 0.27 | 227 | 365 | 4 |
| 8/13/2012 6:05:06 AM | 0.27 | 228 | 364 | 4 |
| 8/13/2012 6:06:06 AM | 0.28 | 229 | 364 | 4 |
| 8/13/2012 6:07:06 AM | 0.27 | 229 | 363 | 4 |
| 8/13/2012 6:08:06 AM | 0.28 | 229 | 363 | 4 |
| 8/13/2012 6:09:06 AM | 0.27 | 229 | 362 | 4 |
| 8/13/2012 6:10:06 AM | 0.27 | 229 | 362 | 4 |
| 8/13/2012 6:11:06 AM | 0.28 | 229 | 360 | 4 |
| 8/13/2012 6:12:06 AM | 0.27 | 228 | 361 | 4 |
| 8/13/2012 6:13:06 AM | 0.28 | 228 | 359 | 4 |
| 8/13/2012 6:14:06 AM | 0.27 | 228 | 358 | 4 |
| 8/13/2012 6:15:06 AM | 0.27 | 228 | 358 | 4 |
| 8/13/2012 6:16:06 AM | 0.28 | 227 | 356 | 4 |
| 8/13/2012 6:17:06 AM | 0.28 | 227 | 356 | 4 |
| 8/13/2012 6:18:06 AM | 0.28 | 227 | 353 | 4 |
| 8/13/2012 6:19:06 AM | 0.28 | 227 | 352 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 6:20:06 AM | 0.28 | 228 | 351 | 4 |
| 8/13/2012 6:21:06 AM | 0.28 | 227 | 350 | 4 |
| 8/13/2012 6:22:06 AM | 0.28 | 227 | 349 | 4 |
| 8/13/2012 6:23:06 AM | 0.28 | 227 | 347 | 4 |
| 8/13/2012 6:24:06 AM | 0.28 | 227 | 348 | 4 |
| 8/13/2012 6:25:06 AM | 0.28 | 226 | 348 | 4 |
| 8/13/2012 6:26:06 AM | 0.28 | 226 | 347 | 4 |
| 8/13/2012 6:27:06 AM | 0.28 | 226 | 347 | 4 |
| 8/13/2012 6:28:06 AM | 0.28 | 225 | 348 | 4 |
| 8/13/2012 6:29:06 AM | 0.28 | 226 | 348 | 4 |
| 8/13/2012 6:30:06 AM | 0.28 | 226 | 350 | 4 |
| 8/13/2012 6:31:06 AM | 0.28 | 226 | 351 | 4 |
| 8/13/2012 6:32:06 AM | 0.28 | 227 | 352 | 4 |
| 8/13/2012 6:33:06 AM | 0.28 | 227 | 352 | 4 |
| 8/13/2012 6:34:06 AM | 0.27 | 228 | 352 | 4 |
| 8/13/2012 6:35:06 AM | 0.28 | 228 | 354 | 4 |
| 8/13/2012 6:36:06 AM | 0.28 | 228 | 356 | 4 |
| 8/13/2012 6:37:06 AM | 0.28 | 228 | 357 | 4 |
| 8/13/2012 6:38:06 AM | 0.28 | 229 | 357 | 4 |
| 8/13/2012 6:39:06 AM | 0.27 | 228 | 358 | 4 |
| 8/13/2012 6:40:06 AM | 0.28 | 229 | 358 | 4 |
| 8/13/2012 6:41:06 AM | 0.28 | 228 | 358 | 4 |
| 8/13/2012 6:42:06 AM | 0.28 | 229 | 357 | 4 |
| 8/13/2012 6:43:06 AM | 0.28 | 228 | 358 | 4 |
| 8/13/2012 6:44:06 AM | 0.28 | 228 | 357 | 4 |
| 8/13/2012 6:45:06 AM | 0.28 | 229 | 358 | 4 |
| 8/13/2012 6:46:06 AM | 0.27 | 228 | 357 | 4 |
| 8/13/2012 6:47:06 AM | 0.28 | 229 | 357 | 4 |
| 8/13/2012 6:48:06 AM | 0.27 | 229 | 356 | 4 |
| 8/13/2012 6:49:06 AM | 0.27 | 229 | 357 | 4 |
| 8/13/2012 6:50:06 AM | 0.27 | 229 | 357 | 4 |
| 8/13/2012 6:51:06 AM | 0.27 | 229 | 358 | 4 |
| 8/13/2012 6:52:06 AM | 0.27 | 228 | 358 | 4 |
| 8/13/2012 6:53:06 AM | 0.27 | 229 | 356 | 4 |
| 8/13/2012 6:54:06 AM | 0.27 | 229 | 357 | 4 |
| 8/13/2012 6:55:06 AM | 0.27 | 230 | 358 | 4 |
| 8/13/2012 6:56:06 AM | 0.27 | 231 | 357 | 4 |
| 8/13/2012 6:57:06 AM | 0.27 | 231 | 356 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 6:58:06 AM | 0.28 | 231 | 357 | 4 |
| 8/13/2012 6:59:06 AM | 0.27 | 232 | 356 | 4 |
| 8/13/2012 7:00:06 AM | 0.28 | 232 | 356 | 4 |
| 8/13/2012 7:01:06 AM | 0.28 | 232 | 356 | 4 |
| 8/13/2012 7:02:06 AM | 0.27 | 232 | 355 | 4 |
| 8/13/2012 7:03:06 AM | 0.27 | 231 | 355 | 4 |
| 8/13/2012 7:04:06 AM | 0.27 | 231 | 356 | 4 |
| 8/13/2012 7:05:06 AM | 0.28 | 232 | 355 | 4 |
| 8/13/2012 7:06:06 AM | 0.27 | 231 | 357 | 4 |
| 8/13/2012 7:07:06 AM | 0.28 | 231 | 357 | 4 |
| 8/13/2012 7:08:06 AM | 0.27 | 231 | 359 | 4 |
| 8/13/2012 7:09:06 AM | 0.27 | 231 | 361 | 4 |
| 8/13/2012 7:10:06 AM | 0.28 | 230 | 361 | 4 |
| 8/13/2012 7:11:06 AM | 0.28 | 230 | 362 | 4 |
| 8/13/2012 7:12:06 AM | 0.28 | 230 | 363 | 4 |
| 8/13/2012 7:13:06 AM | 0.28 | 231 | 363 | 4 |
| 8/13/2012 7:14:06 AM | 0.27 | 230 | 366 | 4 |
| 8/13/2012 7:15:06 AM | 0.28 | 229 | 366 | 4 |
| 8/13/2012 7:16:06 AM | 0.28 | 229 | 367 | 4 |
| 8/13/2012 7:17:06 AM | 0.28 | 229 | 365 | 4 |
| 8/13/2012 7:18:06 AM | 0.28 | 229 | 363 | 4 |
| 8/13/2012 7:19:06 AM | 0.27 | 229 | 362 | 4 |
| 8/13/2012 7:20:06 AM | 0.27 | 229 | 363 | 4 |
| 8/13/2012 7:21:06 AM | 0.27 | 230 | 362 | 4 |
| 8/13/2012 7:22:06 AM | 0.28 | 230 | 362 | 4 |
| 8/13/2012 7:23:06 AM | 0.28 | 229 | 362 | 4 |
| 8/13/2012 7:24:06 AM | 0.27 | 228 | 363 | 4 |
| 8/13/2012 7:25:06 AM | 0.27 | 229 | 362 | 4 |
| 8/13/2012 7:26:06 AM | 0.27 | 230 | 361 | 4 |
| 8/13/2012 7:27:06 AM | 0.27 | 230 | 361 | 4 |
| 8/13/2012 7:28:06 AM | 0.27 | 230 | 361 | 4 |
| 8/13/2012 7:29:06 AM | 0.28 | 230 | 362 | 4 |
| 8/13/2012 7:30:06 AM | 0.27 | 229 | 362 | 4 |
| 8/13/2012 7:31:06 AM | 0.27 | 228 | 359 | 4 |
| 8/13/2012 7:32:06 AM | 0.27 | 228 | 359 | 4 |
| 8/13/2012 7:33:06 AM | 0.27 | 227 | 358 | 4 |
| 8/13/2012 7:34:06 AM | 0.28 | 227 | 358 | 4 |
| 8/13/2012 7:35:06 AM | 0.28 | 226 | 358 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 7:36:06 AM | 0.27 | 226 | 359 | 4 |
| 8/13/2012 7:37:06 AM | 0.27 | 227 | 358 | 4 |
| 8/13/2012 7:38:06 AM | 0.27 | 228 | 359 | 4 |
| 8/13/2012 7:39:06 AM | 0.27 | 229 | 359 | 4 |
| 8/13/2012 7:40:06 AM | 0.27 | 229 | 358 | 4 |
| 8/13/2012 7:41:06 AM | 0.27 | 230 | 358 | 4 |
| 8/13/2012 7:42:06 AM | 0.27 | 230 | 357 | 4 |
| 8/13/2012 7:43:06 AM | 0.27 | 230 | 357 | 4 |
| 8/13/2012 7:44:06 AM | 0.27 | 231 | 357 | 4 |
| 8/13/2012 7:45:06 AM | 0.28 | 231 | 357 | 4 |
| 8/13/2012 7:46:06 AM | 0.28 | 232 | 358 | 4 |
| 8/13/2012 7:47:06 AM | 0.28 | 232 | 358 | 4 |
| 8/13/2012 7:48:06 AM | 0.28 | 232 | 358 | 4 |
| 8/13/2012 7:49:06 AM | 0.28 | 232 | 358 | 4 |
| 8/13/2012 7:50:06 AM | 0.28 | 232 | 359 | 4 |
| 8/13/2012 7:51:06 AM | 0.28 | 232 | 359 | 4 |
| 8/13/2012 7:52:06 AM | 0.28 | 231 | 360 | 4 |
| 8/13/2012 7:53:06 AM | 0.28 | 231 | 359 | 4 |
| 8/13/2012 7:54:06 AM | 0.28 | 230 | 358 | 4 |
| 8/13/2012 7:55:06 AM | 0.28 | 229 | 358 | 4 |
| 8/13/2012 7:56:06 AM | 0.28 | 229 | 356 | 4 |
| 8/13/2012 7:57:06 AM | 0.27 | 228 | 356 | 4 |
| 8/13/2012 7:58:06 AM | 0.27 | 228 | 353 | 4 |
| 8/13/2012 7:59:06 AM | 0.28 | 228 | 352 | 4 |
| 8/13/2012 8:00:06 AM | 0.28 | 228 | 353 | 4 |
| 8/13/2012 8:01:06 AM | 0.28 | 228 | 353 | 4 |
| 8/13/2012 8:02:06 AM | 0.27 | 228 | 353 | 4 |
| 8/13/2012 8:03:06 AM | 0.28 | 228 | 352 | 4 |
| 8/13/2012 8:04:06 AM | 0.28 | 229 | 352 | 4 |
| 8/13/2012 8:05:06 AM | 0.28 | 230 | 352 | 4 |
| 8/13/2012 8:06:06 AM | 0.28 | 230 | 353 | 4 |
| 8/13/2012 8:07:06 AM | 0.28 | 231 | 353 | 4 |
| 8/13/2012 8:08:06 AM | 0.28 | 231 | 354 | 4 |
| 8/13/2012 8:09:06 AM | 0.28 | 232 | 353 | 3 |
| 8/13/2012 8:10:06 AM | 0.27 | 232 | 355 | 3 |
| 8/13/2012 8:11:06 AM | 0.28 | 233 | 357 | 3 |
| 8/13/2012 8:12:06 AM | 0.28 | 233 | 357 | 3 |
| 8/13/2012 8:13:06 AM | 0.28 | 234 | 358 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 8:14:06 AM | 0.27 | 233 | 357 | 3 |
| 8/13/2012 8:15:06 AM | 0.27 | 234 | 357 | 3 |
| 8/13/2012 8:16:06 AM | 0.27 | 233 | 358 | 3 |
| 8/13/2012 8:17:06 AM | 0.27 | 233 | 358 | 3 |
| 8/13/2012 8:18:06 AM | 0.28 | 233 | 358 | 3 |
| 8/13/2012 8:19:06 AM | 0.28 | 233 | 358 | 3 |
| 8/13/2012 8:20:06 AM | 0.28 | 233 | 359 | 3 |
| 8/13/2012 8:21:06 AM | 0.27 | 232 | 358 | 4 |
| 8/13/2012 8:22:06 AM | 0.28 | 233 | 359 | 4 |
| 8/13/2012 8:23:06 AM | 0.27 | 234 | 360 | 4 |
| 8/13/2012 8:24:06 AM | 0.27 | 235 | 362 | 4 |
| 8/13/2012 8:25:06 AM | 0.27 | 235 | 361 | 4 |
| 8/13/2012 8:26:06 AM | 0.28 | 235 | 362 | 4 |
| 8/13/2012 8:27:06 AM | 0.28 | 235 | 361 | 3 |
| 8/13/2012 8:28:06 AM | 0.28 | 235 | 361 | 3 |
| 8/13/2012 8:29:06 AM | 0.28 | 235 | 363 | 3 |
| 8/13/2012 8:30:06 AM | 0.28 | 234 | 362 | 3 |
| 8/13/2012 8:31:06 AM | 0.28 | 233 | 361 | 3 |
| 8/13/2012 8:32:06 AM | 0.28 | 232 | 360 | 3 |
| 8/13/2012 8:33:06 AM | 0.27 | 232 | 358 | 3 |
| 8/13/2012 8:34:06 AM | 0.28 | 233 | 357 | 3 |
| 8/13/2012 8:35:06 AM | 0.28 | 232 | 357 | 3 |
| 8/13/2012 8:36:06 AM | 0.28 | 233 | 357 | 3 |
| 8/13/2012 8:37:06 AM | 0.28 | 233 | 356 | 3 |
| 8/13/2012 8:38:06 AM | 0.28 | 234 | 356 | 3 |
| 8/13/2012 8:39:06 AM | 0.27 | 235 | 357 | 3 |
| 8/13/2012 8:40:06 AM | 0.27 | 235 | 358 | 3 |
| 8/13/2012 8:41:06 AM | 0.28 | 236 | 359 | 3 |
| 8/13/2012 8:42:06 AM | 0.28 | 235 | 358 | 3 |
| 8/13/2012 8:43:06 AM | 0.28 | 235 | 359 | 3 |
| 8/13/2012 8:44:06 AM | 0.27 | 235 | 358 | 3 |
| 8/13/2012 8:45:06 AM | 0.28 | 233 | 359 | 3 |
| 8/13/2012 8:46:06 AM | 0.27 | 233 | 358 | 3 |
| 8/13/2012 8:47:06 AM | 0.28 | 233 | 357 | 3 |
| 8/13/2012 8:48:06 AM | 0.27 | 233 | 357 | 3 |
| 8/13/2012 8:49:06 AM | 0.28 | 233 | 358 | 3 |
| 8/13/2012 8:50:06 AM | 0.27 | 233 | 358 | 3 |
| 8/13/2012 8:51:06 AM | 0.27 | 232 | 359 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 8:52:06 AM | 0.28 | 232 | 358 | 3 |
| 8/13/2012 8:53:06 AM | 0.28 | 232 | 357 | 3 |
| 8/13/2012 8:54:06 AM | 0.28 | 232 | 357 | 3 |
| 8/13/2012 8:55:06 AM | 0.28 | 231 | 358 | 3 |
| 8/13/2012 8:56:06 AM | 0.29 | 229 | 358 | 3 |
| 8/13/2012 8:57:06 AM | 0.28 | 226 | 359 | 3 |
| 8/13/2012 8:58:06 AM | 0.28 | 226 | 358 | 3 |
| 8/13/2012 8:59:06 AM | 0.28 | 226 | 358 | 3 |
| 8/13/2012 9:00:06 AM | 0.28 | 226 | 356 | 3 |
| 8/13/2012 9:01:06 AM | 0.27 | 227 | 357 | 3 |
| 8/13/2012 9:02:06 AM | 0.27 | 228 | 357 | 3 |
| 8/13/2012 9:03:06 AM | 0.27 | 228 | 357 | 3 |
| 8/13/2012 9:04:06 AM | 0.28 | 229 | 355 | 3 |
| 8/13/2012 9:05:06 AM | 0.27 | 229 | 357 | 3 |
| 8/13/2012 9:06:06 AM | 0.28 | 228 | 356 | 3 |
| 8/13/2012 9:07:06 AM | 0.28 | 227 | 357 | 3 |
| 8/13/2012 9:08:06 AM | 0.28 | 226 | 358 | 3 |
| 8/13/2012 9:09:06 AM | 0.28 | 227 | 357 | 3 |
| 8/13/2012 9:10:06 AM | 0.28 | 227 | 357 | 3 |
| 8/13/2012 9:11:06 AM | 0.28 | 228 | 357 | 3 |
| 8/13/2012 9:12:06 AM | 0.28 | 228 | 357 | 3 |
| 8/13/2012 9:13:06 AM | 0.28 | 228 | 357 | 3 |
| 8/13/2012 9:14:06 AM | 0.28 | 229 | 357 | 3 |
| 8/13/2012 9:15:06 AM | 0.28 | 231 | 358 | 3 |
| 8/13/2012 9:16:06 AM | 0.28 | 231 | 357 | 3 |
| 8/13/2012 9:17:06 AM | 0.28 | 230 | 356 | 3 |
| 8/13/2012 9:18:06 AM | 0.27 | 229 | 356 | 3 |
| 8/13/2012 9:19:06 AM | 0.28 | 230 | 356 | 3 |
| 8/13/2012 9:20:06 AM | 0.27 | 231 | 355 | 3 |
| 8/13/2012 9:21:06 AM | 0.28 | 231 | 356 | 3 |
| 8/13/2012 9:22:06 AM | 0.28 | 232 | 355 | 3 |
| 8/13/2012 9:23:06 AM | 0.27 | 232 | 357 | 3 |
| 8/13/2012 9:24:06 AM | 0.28 | 233 | 357 | 3 |
| 8/13/2012 9:25:06 AM | 0.28 | 233 | 359 | 3 |
| 8/13/2012 9:26:06 AM | 0.28 | 233 | 360 | 3 |
| 8/13/2012 9:27:06 AM | 0.28 | 233 | 361 | 3 |
| 8/13/2012 9:28:06 AM | 0.28 | 233 | 361 | 3 |
| 8/13/2012 9:29:06 AM | 0.27 | 232 | 363 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 9:30:06 AM | 0.27 | 233 | 366 | 3 |
| 8/13/2012 9:31:06 AM | 0.27 | 234 | 367 | 3 |
| 8/13/2012 9:32:06 AM | 0.28 | 233 | 367 | 3 |
| 8/13/2012 9:33:06 AM | 0.28 | 234 | 365 | 3 |
| 8/13/2012 9:34:06 AM | 0.28 | 234 | 366 | 3 |
| 8/13/2012 9:35:06 AM | 0.28 | 234 | 367 | 3 |
| 8/13/2012 9:36:06 AM | 0.28 | 233 | 366 | 3 |
| 8/13/2012 9:37:06 AM | 0.28 | 233 | 365 | 3 |
| 8/13/2012 9:38:06 AM | 0.28 | 233 | 363 | 3 |
| 8/13/2012 9:39:06 AM | 0.28 | 232 | 363 | 3 |
| 8/13/2012 9:40:06 AM | 0.28 | 232 | 363 | 3 |
| 8/13/2012 9:41:06 AM | 0.27 | 231 | 363 | 3 |
| 8/13/2012 9:42:06 AM | 0.28 | 229 | 361 | 3 |
| 8/13/2012 9:43:06 AM | 0.28 | 229 | 359 | 3 |
| 8/13/2012 9:44:06 AM | 0.28 | 228 | 358 | 3 |
| 8/13/2012 9:45:06 AM | 0.28 | 228 | 358 | 3 |
| 8/13/2012 9:46:06 AM | 0.28 | 228 | 358 | 3 |
| 8/13/2012 9:47:06 AM | 0.28 | 229 | 357 | 3 |
| 8/13/2012 9:48:06 AM | 0.28 | 229 | 357 | 3 |
| 8/13/2012 9:49:06 AM | 0.28 | 229 | 358 | 3 |
| 8/13/2012 9:50:06 AM | 0.28 | 229 | 358 | 3 |
| 8/13/2012 9:51:06 AM | 0.27 | 229 | 357 | 3 |
| 8/13/2012 9:52:06 AM | 0.27 | 230 | 358 | 3 |
| 8/13/2012 9:53:06 AM | 0.27 | 230 | 358 | 3 |
| 8/13/2012 9:54:06 AM | 0.27 | 231 | 358 | 3 |
| 8/13/2012 9:55:06 AM | 0.27 | 232 | 360 | 3 |
| 8/13/2012 9:56:06 AM | 0.27 | 233 | 361 | 3 |
| 8/13/2012 9:57:06 AM | 0.27 | 235 | 363 | 3 |
| 8/13/2012 9:58:06 AM | 0.28 | 235 | 364 | 3 |
| 8/13/2012 9:59:06 AM | 0.28 | 234 | 366 | 3 |
| 8/13/2012 10:00:06 AM | 0.27 | 233 | 366 | 3 |
| 8/13/2012 10:01:06 AM | 0.27 | 233 | 366 | 3 |
| 8/13/2012 10:02:06 AM | 0.28 | 233 | 366 | 3 |
| 8/13/2012 10:03:06 AM | 0.28 | 233 | 366 | 3 |
| 8/13/2012 10:04:06 AM | 0.27 | 231 | 367 | 3 |
| 8/13/2012 10:05:06 AM | 0.27 | 230 | 364 | 3 |
| 8/13/2012 10:06:06 AM | 0.28 | 229 | 362 | 3 |
| 8/13/2012 10:07:06 AM | 0.28 | 229 | 362 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 10:08:06 AM | 0.28 | 228 | 361 | 3 |
| 8/13/2012 10:09:06 AM | 0.28 | 227 | 361 | 3 |
| 8/13/2012 10:10:06 AM | 0.28 | 227 | 359 | 3 |
| 8/13/2012 10:11:06 AM | 0.28 | 228 | 359 | 3 |
| 8/13/2012 10:12:06 AM | 0.28 | 228 | 361 | 3 |
| 8/13/2012 10:13:06 AM | 0.28 | 228 | 361 | 3 |
| 8/13/2012 10:14:06 AM | 0.27 | 228 | 362 | 3 |
| 8/13/2012 10:15:06 AM | 0.27 | 230 | 361 | 3 |
| 8/13/2012 10:16:06 AM | 0.28 | 231 | 362 | 3 |
| 8/13/2012 10:17:06 AM | 0.27 | 232 | 363 | 3 |
| 8/13/2012 10:18:06 AM | 0.28 | 231 | 364 | 3 |
| 8/13/2012 10:19:06 AM | 0.27 | 230 | 364 | 3 |
| 8/13/2012 10:20:06 AM | 0.27 | 229 | 363 | 3 |
| 8/13/2012 10:21:06 AM | 0.28 | 229 | 363 | 3 |
| 8/13/2012 10:22:06 AM | 0.27 | 229 | 362 | 3 |
| 8/13/2012 10:23:06 AM | 0.28 | 230 | 363 | 3 |
| 8/13/2012 10:24:06 AM | 0.27 | 231 | 364 | 3 |
| 8/13/2012 10:25:06 AM | 0.27 | 232 | 366 | 3 |
| 8/13/2012 10:26:06 AM | 0.27 | 234 | 367 | 3 |
| 8/13/2012 10:27:06 AM | 0.27 | 234 | 367 | 3 |
| 8/13/2012 10:28:06 AM | 0.27 | 232 | 369 | 3 |
| 8/13/2012 10:29:06 AM | 0.27 | 232 | 367 | 3 |
| 8/13/2012 10:30:06 AM | 0.27 | 231 | 367 | 3 |
| 8/13/2012 10:31:06 AM | 0.27 | 230 | 367 | 3 |
| 8/13/2012 10:32:06 AM | 0.27 | 230 | 367 | 3 |
| 8/13/2012 10:33:06 AM | 0.27 | 232 | 367 | 3 |
| 8/13/2012 10:34:06 AM | 0.27 | 233 | 368 | 3 |
| 8/13/2012 10:35:06 AM | 0.27 | 233 | 368 | 3 |
| 8/13/2012 10:36:06 AM | 0.27 | 232 | 368 | 3 |
| 8/13/2012 10:37:06 AM | 0.28 | 230 | 368 | 3 |
| 8/13/2012 10:38:06 AM | 0.28 | 229 | 368 | 3 |
| 8/13/2012 10:39:06 AM | 0.28 | 228 | 367 | 3 |
| 8/13/2012 10:40:06 AM | 0.28 | 227 | 365 | 3 |
| 8/13/2012 10:41:06 AM | 0.27 | 227 | 365 | 3 |
| 8/13/2012 10:42:06 AM | 0.27 | 227 | 365 | 3 |
| 8/13/2012 10:43:06 AM | 0.27 | 228 | 364 | 3 |
| 8/13/2012 10:44:06 AM | 0.27 | 229 | 366 | 3 |
| 8/13/2012 10:45:06 AM | 0.27 | 231 | 366 | 3 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 10:46:06 AM | 0.27 | 231 | 367 | 3 |
| 8/13/2012 10:47:06 AM | 0.27 | 233 | 367 | 3 |
| 8/13/2012 10:48:06 AM | 0.28 | 233 | 370 | 3 |
| 8/13/2012 10:49:06 AM | 0.27 | 233 | 371 | 3 |
| 8/13/2012 10:50:06 AM | 0.27 | 233 | 372 | 3 |
| 8/13/2012 10:51:06 AM | 0.27 | 233 | 372 | 3 |
| 8/13/2012 10:52:06 AM | 0.27 | 230 | 369 | 3 |
| 8/13/2012 10:53:06 AM | 0.28 | 229 | 367 | 3 |
| 8/13/2012 10:54:06 AM | 0.27 | 230 | 368 | 3 |
| 8/13/2012 10:55:06 AM | 0.27 | 230 | 369 | 3 |
| 8/13/2012 10:56:06 AM | 0.27 | 230 | 371 | 3 |
| 8/13/2012 10:57:06 AM | 0.28 | 231 | 372 | 3 |
| 8/13/2012 10:58:06 AM | 0.28 | 231 | 374 | 3 |
| 8/13/2012 10:59:06 AM | 0.28 | 230 | 376 | 3 |
| 8/13/2012 11:00:06 AM | 0.27 | 230 | 377 | 4 |
| 8/13/2012 11:01:06 AM | 0.28 | 231 | 378 | 4 |
| 8/13/2012 11:02:06 AM | 0.28 | 231 | 380 | 4 |
| 8/13/2012 11:03:06 AM | 0.28 | 230 | 382 | 4 |
| 8/13/2012 11:04:06 AM | 0.28 | 231 | 383 | 4 |
| 8/13/2012 11:05:06 AM | 0.28 | 231 | 385 | 4 |
| 8/13/2012 11:06:06 AM | 0.27 | 231 | 385 | 4 |
| 8/13/2012 11:07:06 AM | 0.27 | 230 | 382 | 4 |
| 8/13/2012 11:08:06 AM | 0.27 | 230 | 382 | 4 |
| 8/13/2012 11:09:06 AM | 0.27 | 232 | 382 | 4 |
| 8/13/2012 11:10:06 AM | 0.27 | 233 | 382 | 4 |
| 8/13/2012 11:11:06 AM | 0.27 | 233 | 383 | 4 |
| 8/13/2012 11:12:06 AM | 0.26 | 232 | 383 | 4 |
| 8/13/2012 11:13:06 AM | 0.26 | 233 | 383 | 4 |
| 8/13/2012 11:14:06 AM | 0.27 | 234 | 384 | 4 |
| 8/13/2012 11:15:06 AM | 0.27 | 235 | 386 | 4 |
| 8/13/2012 11:16:06 AM | 0.27 | 234 | 386 | 4 |
| 8/13/2012 11:17:06 AM | 0.27 | 233 | 385 | 4 |
| 8/13/2012 11:18:06 AM | 0.27 | 232 | 386 | 4 |
| 8/13/2012 11:19:06 AM | 0.27 | 232 | 385 | 4 |
| 8/13/2012 11:20:06 AM | 0.27 | 231 | 385 | 4 |
| 8/13/2012 11:21:06 AM | 0.27 | 233 | 384 | 4 |
| 8/13/2012 11:22:06 AM | 0.27 | 233 | 388 | 4 |
| 8/13/2012 11:23:06 AM | 0.27 | 234 | 392 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 11:24:06 AM | 0.27 | 236 | 393 | 4 |
| 8/13/2012 11:25:06 AM | 0.27 | 236 | 395 | 4 |
| 8/13/2012 11:26:06 AM | 0.27 | 236 | 397 | 4 |
| 8/13/2012 11:27:06 AM | 0.27 | 236 | 397 | 4 |
| 8/13/2012 11:28:06 AM | 0.27 | 236 | 397 | 4 |
| 8/13/2012 11:29:06 AM | 0.27 | 236 | 397 | 4 |
| 8/13/2012 11:30:06 AM | 0.27 | 236 | 397 | 4 |
| 8/13/2012 11:31:06 AM | 0.27 | 234 | 394 | 4 |
| 8/13/2012 11:32:06 AM | 0.27 | 234 | 392 | 4 |
| 8/13/2012 11:33:06 AM | 0.27 | 234 | 392 | 4 |
| 8/13/2012 11:34:06 AM | 0.27 | 235 | 391 | 4 |
| 8/13/2012 11:35:06 AM | 0.27 | 235 | 391 | 4 |
| 8/13/2012 11:36:06 AM | 0.27 | 235 | 391 | 4 |
| 8/13/2012 11:37:06 AM | 0.27 | 234 | 391 | 4 |
| 8/13/2012 11:38:06 AM | 0.27 | 234 | 390 | 4 |
| 8/13/2012 11:39:06 AM | 0.27 | 234 | 389 | 4 |
| 8/13/2012 11:40:06 AM | 0.27 | 234 | 388 | 4 |
| 8/13/2012 11:41:06 AM | 0.27 | 233 | 387 | 4 |
| 8/13/2012 11:42:06 AM | 0.27 | 233 | 387 | 4 |
| 8/13/2012 11:43:06 AM | 0.28 | 233 | 387 | 4 |
| 8/13/2012 11:44:06 AM | 0.28 | 232 | 386 | 4 |
| 8/13/2012 11:45:06 AM | 0.28 | 230 | 386 | 4 |
| 8/13/2012 11:46:06 AM | 0.28 | 230 | 384 | 4 |
| 8/13/2012 11:47:06 AM | 0.27 | 230 | 382 | 4 |
| 8/13/2012 11:48:06 AM | 0.28 | 230 | 382 | 4 |
| 8/13/2012 11:49:06 AM | 0.28 | 230 | 383 | 4 |
| 8/13/2012 11:50:06 AM | 0.27 | 231 | 383 | 4 |
| 8/13/2012 11:51:06 AM | 0.27 | 231 | 383 | 4 |
| 8/13/2012 11:52:06 AM | 0.27 | 232 | 383 | 4 |
| 8/13/2012 11:53:06 AM | 0.28 | 232 | 382 | 4 |
| 8/13/2012 11:54:06 AM | 0.27 | 232 | 383 | 4 |
| 8/13/2012 11:55:06 AM | 0.27 | 233 | 383 | 4 |
| 8/13/2012 11:56:06 AM | 0.27 | 234 | 387 | 4 |
| 8/13/2012 11:57:06 AM | 0.28 | 234 | 387 | 4 |
| 8/13/2012 11:58:06 AM | 0.27 | 233 | 389 | 4 |
| 8/13/2012 11:59:06 AM | 0.27 | 231 | 388 | 4 |
| 8/13/2012 12:00:06 PM | 0.27 | 231 | 388 | 4 |
| 8/13/2012 12:01:06 PM | 0.27 | 231 | 387 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 12:02:06 PM | 0.27 | 232 | 387 | 4 |
| 8/13/2012 12:03:06 PM | 0.27 | 233 | 388 | 4 |
| 8/13/2012 12:04:06 PM | 0.27 | 235 | 391 | 4 |
| 8/13/2012 12:05:06 PM | 0.27 | 236 | 392 | 4 |
| 8/13/2012 12:06:06 PM | 0.27 | 235 | 395 | 4 |
| 8/13/2012 12:07:06 PM | 0.27 | 236 | 398 | 4 |
| 8/13/2012 12:08:06 PM | 0.27 | 237 | 399 | 4 |
| 8/13/2012 12:09:06 PM | 0.27 | 239 | 401 | 4 |
| 8/13/2012 12:10:06 PM | 0.27 | 239 | 406 | 4 |
| 8/13/2012 12:11:06 PM | 0.27 | 238 | 407 | 4 |
| 8/13/2012 12:12:06 PM | 0.27 | 237 | 408 | 4 |
| 8/13/2012 12:13:06 PM | 0.27 | 238 | 410 | 4 |
| 8/13/2012 12:14:06 PM | 0.27 | 238 | 410 | 4 |
| 8/13/2012 12:15:06 PM | 0.27 | 238 | 409 | 4 |
| 8/13/2012 12:16:06 PM | 0.27 | 239 | 411 | 4 |
| 8/13/2012 12:17:06 PM | 0.27 | 239 | 412 | 4 |
| 8/13/2012 12:18:06 PM | 0.27 | 239 | 412 | 4 |
| 8/13/2012 12:19:06 PM | 0.27 | 240 | 411 | 4 |
| 8/13/2012 12:20:06 PM | 0.27 | 241 | 413 | 4 |
| 8/13/2012 12:21:06 PM | 0.27 | 239 | 415 | 4 |
| 8/13/2012 12:22:06 PM | 0.27 | 239 | 416 | 4 |
| 8/13/2012 12:23:06 PM | 0.27 | 239 | 414 | 4 |
| 8/13/2012 12:24:06 PM | 0.27 | 239 | 413 | 4 |
| 8/13/2012 12:25:06 PM | 0.27 | 239 | 412 | 4 |
| 8/13/2012 12:26:06 PM | 0.28 | 238 | 412 | 4 |
| 8/13/2012 12:27:06 PM | 0.28 | 238 | 411 | 4 |
| 8/13/2012 12:28:06 PM | 0.27 | 238 | 411 | 4 |
| 8/13/2012 12:29:06 PM | 0.27 | 238 | 409 | 4 |
| 8/13/2012 12:30:06 PM | 0.27 | 238 | 408 | 4 |
| 8/13/2012 12:31:06 PM | 0.27 | 235 | 407 | 4 |
| 8/13/2012 12:32:06 PM | 0.27 | 235 | 405 | 4 |
| 8/13/2012 12:33:06 PM | 0.28 | 234 | 404 | 4 |
| 8/13/2012 12:34:06 PM | 0.27 | 234 | 405 | 4 |
| 8/13/2012 12:35:06 PM | 0.28 | 235 | 403 | 4 |
| 8/13/2012 12:36:06 PM | 0.28 | 235 | 405 | 4 |
| 8/13/2012 12:37:06 PM | 0.27 | 235 | 407 | 4 |
| 8/13/2012 12:38:06 PM | 0.27 | 235 | 406 | 4 |
| 8/13/2012 12:39:06 PM | 0.28 | 235 | 407 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 12:40:06 PM | 0.27 | 234 | 407 | 4 |
| 8/13/2012 12:41:06 PM | 0.27 | 234 | 407 | 4 |
| 8/13/2012 12:42:06 PM | 0.27 | 235 | 408 | 5 |
| 8/13/2012 12:43:06 PM | 0.28 | 236 | 409 | 5 |
| 8/13/2012 12:44:06 PM | 0.28 | 234 | 410 | 5 |
| 8/13/2012 12:45:06 PM | 0.29 | 233 | 410 | 5 |
| 8/13/2012 12:46:06 PM | 0.29 | 232 | 408 | 5 |
| 8/13/2012 12:47:06 PM | 0.29 | 231 | 408 | 5 |
| 8/13/2012 12:48:06 PM | 0.29 | 230 | 407 | 5 |
| 8/13/2012 12:49:06 PM | 0.29 | 229 | 407 | 5 |
| 8/13/2012 12:50:06 PM | 0.29 | 228 | 406 | 5 |
| 8/13/2012 12:51:06 PM | 0.29 | 228 | 406 | 5 |
| 8/13/2012 12:52:06 PM | 0.29 | 228 | 404 | 5 |
| 8/13/2012 12:53:06 PM | 0.29 | 228 | 403 | 5 |
| 8/13/2012 12:54:06 PM | 0.29 | 228 | 403 | 5 |
| 8/13/2012 12:55:06 PM | 0.29 | 228 | 404 | 5 |
| 8/13/2012 12:56:06 PM | 0.29 | 228 | 406 | 5 |
| 8/13/2012 12:57:06 PM | 0.29 | 227 | 404 | 5 |
| 8/13/2012 12:58:06 PM | 0.29 | 227 | 403 | 5 |
| 8/13/2012 12:59:06 PM | 0.29 | 228 | 404 | 5 |
| 8/13/2012 1:00:06 PM | 0.29 | 228 | 405 | 5 |
| 8/13/2012 1:01:06 PM | 0.29 | 228 | 405 | 5 |
| 8/13/2012 1:02:06 PM | 0.29 | 228 | 407 | 5 |
| 8/13/2012 1:03:06 PM | 0.29 | 228 | 408 | 5 |
| 8/13/2012 1:04:06 PM | 0.29 | 227 | 408 | 5 |
| 8/13/2012 1:05:06 PM | 0.29 | 227 | 409 | 5 |
| 8/13/2012 1:06:06 PM | 0.29 | 227 | 410 | 5 |
| 8/13/2012 1:07:06 PM | 0.29 | 227 | 409 | 5 |
| 8/13/2012 1:08:06 PM | 0.28 | 228 | 408 | 5 |
| 8/13/2012 1:09:06 PM | 0.28 | 229 | 410 | 5 |
| 8/13/2012 1:10:06 PM | 0.28 | 229 | 412 | 5 |
| 8/13/2012 1:11:06 PM | 0.28 | 229 | 413 | 5 |
| 8/13/2012 1:12:06 PM | 0.28 | 229 | 411 | 5 |
| 8/13/2012 1:13:06 PM | 0.28 | 229 | 412 | 5 |
| 8/13/2012 1:14:06 PM | 0.28 | 229 | 412 | 5 |
| 8/13/2012 1:15:06 PM | 0.28 | 230 | 412 | 5 |
| 8/13/2012 1:16:06 PM | 0.28 | 230 | 413 | 5 |
| 8/13/2012 1:17:06 PM | 0.28 | 231 | 414 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 1:18:06 PM | 0.28 | 233 | 418 | 5 |
| 8/13/2012 1:19:06 PM | 0.28 | 233 | 417 | 5 |
| 8/13/2012 1:20:06 PM | 0.28 | 232 | 418 | 5 |
| 8/13/2012 1:21:06 PM | 0.28 | 232 | 419 | 5 |
| 8/13/2012 1:22:06 PM | 0.28 | 232 | 420 | 5 |
| 8/13/2012 1:23:06 PM | 0.28 | 232 | 421 | 5 |
| 8/13/2012 1:24:06 PM | 0.28 | 232 | 421 | 5 |
| 8/13/2012 1:25:06 PM | 0.28 | 232 | 422 | 5 |
| 8/13/2012 1:26:06 PM | 0.28 | 232 | 421 | 5 |
| 8/13/2012 1:27:06 PM | 0.28 | 231 | 421 | 5 |
| 8/13/2012 1:28:06 PM | 0.28 | 230 | 419 | 5 |
| 8/13/2012 1:29:06 PM | 0.28 | 229 | 419 | 5 |
| 8/13/2012 1:30:06 PM | 0.28 | 229 | 417 | 5 |
| 8/13/2012 1:31:06 PM | 0.28 | 229 | 416 | 5 |
| 8/13/2012 1:32:06 PM | 0.28 | 230 | 417 | 5 |
| 8/13/2012 1:33:06 PM | 0.28 | 229 | 417 | 5 |
| 8/13/2012 1:34:06 PM | 0.28 | 230 | 417 | 5 |
| 8/13/2012 1:35:06 PM | 0.28 | 230 | 417 | 5 |
| 8/13/2012 1:36:06 PM | 0.28 | 230 | 417 | 5 |
| 8/13/2012 1:37:06 PM | 0.28 | 231 | 416 | 5 |
| 8/13/2012 1:38:06 PM | 0.28 | 232 | 418 | 5 |
| 8/13/2012 1:39:06 PM | 0.28 | 233 | 418 | 5 |
| 8/13/2012 1:40:06 PM | 0.28 | 234 | 418 | 5 |
| 8/13/2012 1:41:06 PM | 0.28 | 234 | 419 | 5 |
| 8/13/2012 1:42:06 PM | 0.28 | 234 | 420 | 5 |
| 8/13/2012 1:43:06 PM | 0.28 | 234 | 419 | 5 |
| 8/13/2012 1:44:06 PM | 0.28 | 235 | 420 | 5 |
| 8/13/2012 1:45:06 PM | 0.28 | 235 | 421 | 6 |
| 8/13/2012 1:46:06 PM | 0.28 | 235 | 421 | 6 |
| 8/13/2012 1:47:06 PM | 0.28 | 234 | 422 | 6 |
| 8/13/2012 1:48:06 PM | 0.28 | 233 | 422 | 6 |
| 8/13/2012 1:49:06 PM | 0.28 | 232 | 422 | 6 |
| 8/13/2012 1:50:06 PM | 0.28 | 232 | 421 | 6 |
| 8/13/2012 1:51:06 PM | 0.28 | 232 | 421 | 6 |
| 8/13/2012 1:52:06 PM | 0.28 | 232 | 421 | 6 |
| 8/13/2012 1:53:06 PM | 0.28 | 232 | 423 | 6 |
| 8/13/2012 1:54:06 PM | 0.28 | 233 | 423 | 5 |
| 8/13/2012 1:55:06 PM | 0.28 | 234 | 421 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 1:56:06 PM | 0.28 | 234 | 422 | 5 |
| 8/13/2012 1:57:06 PM | 0.28 | 234 | 422 | 5 |
| 8/13/2012 1:58:06 PM | 0.28 | 234 | 423 | 5 |
| 8/13/2012 1:59:06 PM | 0.28 | 234 | 423 | 5 |
| 8/13/2012 2:00:06 PM | 0.28 | 235 | 423 | 6 |
| 8/13/2012 2:01:06 PM | 0.28 | 234 | 424 | 6 |
| 8/13/2012 2:02:06 PM | 0.29 | 233 | 423 | 6 |
| 8/13/2012 2:03:06 PM | 0.29 | 232 | 422 | 6 |
| 8/13/2012 2:04:06 PM | 0.28 | 232 | 422 | 6 |
| 8/13/2012 2:05:06 PM | 0.28 | 233 | 421 | 6 |
| 8/13/2012 2:06:06 PM | 0.28 | 234 | 421 | 5 |
| 8/13/2012 2:07:06 PM | 0.27 | 235 | 422 | 5 |
| 8/13/2012 2:08:06 PM | 0.27 | 234 | 423 | 5 |
| 8/13/2012 2:09:06 PM | 0.28 | 234 | 422 | 5 |
| 8/13/2012 2:10:06 PM | 0.27 | 234 | 422 | 5 |
| 8/13/2012 2:11:06 PM | 0.28 | 234 | 422 | 5 |
| 8/13/2012 2:12:06 PM | 0.27 | 233 | 421 | 5 |
| 8/13/2012 2:13:06 PM | 0.27 | 232 | 420 | 6 |
| 8/13/2012 2:14:06 PM | 0.27 | 232 | 418 | 6 |
| 8/13/2012 2:15:06 PM | 0.28 | 233 | 417 | 5 |
| 8/13/2012 2:16:06 PM | 0.28 | 234 | 420 | 5 |
| 8/13/2012 2:17:06 PM | 0.28 | 234 | 422 | 5 |
| 8/13/2012 2:18:06 PM | 0.28 | 233 | 421 | 5 |
| 8/13/2012 2:19:06 PM | 0.27 | 231 | 419 | 5 |
| 8/13/2012 2:20:06 PM | 0.27 | 231 | 418 | 5 |
| 8/13/2012 2:21:06 PM | 0.28 | 232 | 416 | 5 |
| 8/13/2012 2:22:06 PM | 0.28 | 231 | 416 | 5 |
| 8/13/2012 2:23:06 PM | 0.28 | 231 | 416 | 5 |
| 8/13/2012 2:24:06 PM | 0.28 | 230 | 415 | 5 |
| 8/13/2012 2:25:06 PM | 0.28 | 230 | 415 | 5 |
| 8/13/2012 2:26:06 PM | 0.28 | 230 | 413 | 5 |
| 8/13/2012 2:27:06 PM | 0.28 | 230 | 415 | 5 |
| 8/13/2012 2:28:06 PM | 0.28 | 230 | 415 | 5 |
| 8/13/2012 2:29:06 PM | 0.27 | 231 | 416 | 5 |
| 8/13/2012 2:30:06 PM | 0.27 | 232 | 415 | 5 |
| 8/13/2012 2:31:06 PM | 0.27 | 233 | 415 | 5 |
| 8/13/2012 2:32:06 PM | 0.27 | 233 | 414 | 5 |
| 8/13/2012 2:33:06 PM | 0.28 | 233 | 414 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 2:34:06 PM | 0.28 | 233 | 415 | 5 |
| 8/13/2012 2:35:06 PM | 0.27 | 233 | 415 | 5 |
| 8/13/2012 2:36:06 PM | 0.28 | 233 | 415 | 5 |
| 8/13/2012 2:37:06 PM | 0.27 | 233 | 415 | 5 |
| 8/13/2012 2:38:06 PM | 0.28 | 232 | 415 | 5 |
| 8/13/2012 2:39:06 PM | 0.27 | 232 | 413 | 5 |
| 8/13/2012 2:40:06 PM | 0.27 | 233 | 433 | 5 |
| 8/13/2012 2:41:06 PM | Start Calibration | | | |
| 8/13/2012 2:42:06 PM | | | | |
| 8/13/2012 2:43:06 PM | | | | |
| 8/13/2012 2:44:06 PM | | | | |
| 8/13/2012 2:45:06 PM | | | | |
| 8/13/2012 2:46:06 PM | | | | |
| 8/13/2012 2:47:06 PM | | | | |
| 8/13/2012 2:48:06 PM | | | | |
| 8/13/2012 2:49:06 PM | | | | |
| 8/13/2012 2:50:06 PM | | | | |
| 8/13/2012 2:51:06 PM | | | | |
| 8/13/2012 2:52:06 PM | | | | |
| 8/13/2012 2:53:06 PM | | | | |
| 8/13/2012 2:54:06 PM | | | | |
| 8/13/2012 2:55:06 PM | | | | |
| 8/13/2012 2:56:06 PM | | | | |
| 8/13/2012 2:57:06 PM | | | | |
| 8/13/2012 2:58:06 PM | | | | |
| 8/13/2012 2:59:06 PM | | | | |
| 8/13/2012 3:00:06 PM | | | | |
| 8/13/2012 3:01:06 PM | | | | |
| 8/13/2012 3:02:06 PM | | | | |
| 8/13/2012 3:03:06 PM | | | | |
| 8/13/2012 3:04:06 PM | | | | |
| 8/13/2012 3:05:06 PM | | | | |
| 8/13/2012 3:06:06 PM | | | | |
| 8/13/2012 3:07:06 PM | | | | |
| 8/13/2012 3:08:06 PM | | | | |
| 8/13/2012 3:09:06 PM | | | | |
| 8/13/2012 3:10:06 PM | | | | |
| 8/13/2012 3:11:06 PM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 3:12:06 PM | | | | |
| 8/13/2012 3:13:06 PM | | | | |
| 8/13/2012 3:14:06 PM | | | | |
| 8/13/2012 3:15:06 PM | | | | |
| 8/13/2012 3:16:06 PM | | | | |
| 8/13/2012 3:17:06 PM | | | | |
| 8/13/2012 3:18:06 PM | | | | |
| 8/13/2012 3:19:06 PM | | | | |
| 8/13/2012 3:20:06 PM | | | | |
| 8/13/2012 3:21:06 PM | | | | |
| 8/13/2012 3:22:06 PM | | | | |
| 8/13/2012 3:23:06 PM | | | | |
| 8/13/2012 3:24:06 PM | | | | |
| 8/13/2012 3:25:06 PM | | | | |
| 8/13/2012 3:26:06 PM | | | | |
| 8/13/2012 3:27:06 PM | | | | |
| 8/13/2012 3:28:06 PM | | | | |
| 8/13/2012 3:29:06 PM | End Calibration | | | |
| 8/13/2012 3:30:06 PM | 0.28 | 225 | 310 | 5 |
| 8/13/2012 3:31:06 PM | 0.28 | 225 | 316 | 5 |
| 8/13/2012 3:32:06 PM | 0.28 | 225 | 321 | 5 |
| 8/13/2012 3:33:06 PM | 0.28 | 224 | 325 | 5 |
| 8/13/2012 3:34:06 PM | 0.28 | 223 | 328 | 5 |
| 8/13/2012 3:35:06 PM | 0.28 | 222 | 332 | 5 |
| 8/13/2012 3:36:06 PM | 0.28 | 223 | 334 | 5 |
| 8/13/2012 3:37:06 PM | 0.28 | 225 | 339 | 5 |
| 8/13/2012 3:38:06 PM | 0.28 | 225 | 342 | 5 |
| 8/13/2012 3:39:06 PM | 0.28 | 226 | 346 | 5 |
| 8/13/2012 3:40:06 PM | 0.28 | 226 | 349 | 5 |
| 8/13/2012 3:41:06 PM | 0.28 | 226 | 351 | 5 |
| 8/13/2012 3:42:06 PM | 0.28 | 226 | 352 | 5 |
| 8/13/2012 3:43:06 PM | 0.28 | 227 | 357 | 5 |
| 8/13/2012 3:44:06 PM | 0.28 | 226 | 360 | 5 |
| 8/13/2012 3:45:06 PM | 0.28 | 225 | 362 | 5 |
| 8/13/2012 3:46:06 PM | 0.28 | 226 | 363 | 6 |
| 8/13/2012 3:47:06 PM | 0.28 | 226 | 366 | 6 |
| 8/13/2012 3:48:06 PM | 0.28 | 226 | 368 | 6 |
| 8/13/2012 3:49:06 PM | 0.28 | 226 | 371 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 3:50:06 PM | 0.28 | 226 | 373 | 6 |
| 8/13/2012 3:51:06 PM | 0.28 | 226 | 373 | 5 |
| 8/13/2012 3:52:06 PM | 0.28 | 225 | 376 | 5 |
| 8/13/2012 3:53:06 PM | 0.27 | 225 | 378 | 5 |
| 8/13/2012 3:54:06 PM | 0.27 | 226 | 380 | 5 |
| 8/13/2012 3:55:06 PM | 0.27 | 225 | 383 | 5 |
| 8/13/2012 3:56:06 PM | 0.27 | 226 | 386 | 5 |
| 8/13/2012 3:57:06 PM | 0.27 | 226 | 386 | 5 |
| 8/13/2012 3:58:06 PM | 0.27 | 225 | 388 | 5 |
| 8/13/2012 3:59:06 PM | 0.27 | 226 | 389 | 5 |
| 8/13/2012 4:00:06 PM | 0.28 | 226 | 391 | 6 |
| 8/13/2012 4:01:06 PM | 0.28 | 226 | 392 | 6 |
| 8/13/2012 4:02:06 PM | 0.27 | 226 | 392 | 6 |
| 8/13/2012 4:03:06 PM | 0.28 | 225 | 394 | 6 |
| 8/13/2012 4:04:06 PM | 0.28 | 225 | 396 | 6 |
| 8/13/2012 4:05:06 PM | 0.27 | 225 | 395 | 6 |
| 8/13/2012 4:06:06 PM | 0.28 | 225 | 396 | 6 |
| 8/13/2012 4:07:06 PM | 0.27 | 224 | 396 | 6 |
| 8/13/2012 4:08:06 PM | 0.27 | 223 | 397 | 6 |
| 8/13/2012 4:09:06 PM | 0.28 | 223 | 396 | 6 |
| 8/13/2012 4:10:06 PM | 0.28 | 224 | 397 | 6 |
| 8/13/2012 4:11:06 PM | 0.28 | 225 | 398 | 6 |
| 8/13/2012 4:12:06 PM | 0.28 | 224 | 399 | 6 |
| 8/13/2012 4:13:06 PM | 0.28 | 224 | 402 | 6 |
| 8/13/2012 4:14:06 PM | 0.28 | 224 | 402 | 6 |
| 8/13/2012 4:15:06 PM | 0.28 | 224 | 401 | 6 |
| 8/13/2012 4:16:06 PM | 0.28 | 223 | 402 | 6 |
| 8/13/2012 4:17:06 PM | 0.28 | 223 | 402 | 6 |
| 8/13/2012 4:18:06 PM | 0.27 | 222 | 402 | 6 |
| 8/13/2012 4:19:06 PM | 0.28 | 222 | 402 | 6 |
| 8/13/2012 4:20:06 PM | 0.27 | 223 | 402 | 6 |
| 8/13/2012 4:21:06 PM | 0.28 | 224 | 403 | 6 |
| 8/13/2012 4:22:06 PM | 0.28 | 224 | 405 | 6 |
| 8/13/2012 4:23:06 PM | 0.27 | 224 | 404 | 6 |
| 8/13/2012 4:24:06 PM | 0.28 | 225 | 407 | 6 |
| 8/13/2012 4:25:06 PM | 0.28 | 224 | 408 | 6 |
| 8/13/2012 4:26:06 PM | 0.27 | 224 | 408 | 6 |
| 8/13/2012 4:27:06 PM | 0.27 | 224 | 408 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 4:28:06 PM | 0.28 | 225 | 409 | 6 |
| 8/13/2012 4:29:06 PM | 0.28 | 224 | 412 | 6 |
| 8/13/2012 4:30:06 PM | 0.28 | 224 | 413 | 7 |
| 8/13/2012 4:31:06 PM | 0.27 | 224 | 413 | 7 |
| 8/13/2012 4:32:06 PM | 0.28 | 224 | 413 | 7 |
| 8/13/2012 4:33:06 PM | 0.28 | 224 | 415 | 7 |
| 8/13/2012 4:34:06 PM | 0.28 | 223 | 415 | 7 |
| 8/13/2012 4:35:06 PM | 0.28 | 223 | 412 | 7 |
| 8/13/2012 4:36:06 PM | 0.28 | 223 | 412 | 7 |
| 8/13/2012 4:37:06 PM | 0.27 | 224 | 412 | 7 |
| 8/13/2012 4:38:06 PM | 0.28 | 226 | 413 | 7 |
| 8/13/2012 4:39:06 PM | 0.27 | 228 | 413 | 7 |
| 8/13/2012 4:40:06 PM | 0.28 | 227 | 416 | 7 |
| 8/13/2012 4:41:06 PM | 0.28 | 225 | 418 | 7 |
| 8/13/2012 4:42:06 PM | 0.28 | 225 | 417 | 7 |
| 8/13/2012 4:43:06 PM | 0.27 | 225 | 417 | 7 |
| 8/13/2012 4:44:06 PM | 0.27 | 225 | 416 | 7 |
| 8/13/2012 4:45:06 PM | 0.27 | 223 | 414 | 7 |
| 8/13/2012 4:46:06 PM | 0.27 | 224 | 413 | 7 |
| 8/13/2012 4:47:06 PM | 0.27 | 224 | 413 | 7 |
| 8/13/2012 4:48:06 PM | 0.28 | 223 | 413 | 7 |
| 8/13/2012 4:49:06 PM | 0.27 | 221 | 413 | 7 |
| 8/13/2012 4:50:06 PM | 0.27 | 220 | 413 | 7 |
| 8/13/2012 4:51:06 PM | 0.28 | 220 | 412 | 7 |
| 8/13/2012 4:52:06 PM | 0.28 | 221 | 412 | 7 |
| 8/13/2012 4:53:06 PM | 0.28 | 221 | 412 | 7 |
| 8/13/2012 4:54:06 PM | 0.27 | 220 | 412 | 7 |
| 8/13/2012 4:55:06 PM | 0.27 | 220 | 409 | 7 |
| 8/13/2012 4:56:06 PM | 0.28 | 219 | 410 | 7 |
| 8/13/2012 4:57:06 PM | 0.28 | 219 | 409 | 7 |
| 8/13/2012 4:58:06 PM | 0.28 | 219 | 412 | 7 |
| 8/13/2012 4:59:06 PM | 0.28 | 219 | 412 | 7 |
| 8/13/2012 5:00:06 PM | 0.28 | 220 | 411 | 7 |
| 8/13/2012 5:01:06 PM | 0.28 | 221 | 411 | 7 |
| 8/13/2012 5:02:06 PM | 0.28 | 221 | 412 | 7 |
| 8/13/2012 5:03:06 PM | 0.28 | 221 | 412 | 7 |
| 8/13/2012 5:04:06 PM | 0.28 | 221 | 413 | 7 |
| 8/13/2012 5:05:06 PM | 0.28 | 221 | 412 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 5:06:06 PM | 0.28 | 222 | 412 | 7 |
| 8/13/2012 5:07:06 PM | 0.28 | 222 | 412 | 7 |
| 8/13/2012 5:08:06 PM | 0.28 | 221 | 411 | 7 |
| 8/13/2012 5:09:06 PM | 0.28 | 221 | 411 | 7 |
| 8/13/2012 5:10:06 PM | 0.28 | 221 | 413 | 7 |
| 8/13/2012 5:11:06 PM | 0.28 | 223 | 412 | 7 |
| 8/13/2012 5:12:06 PM | 0.28 | 224 | 413 | 7 |
| 8/13/2012 5:13:06 PM | 0.28 | 224 | 413 | 7 |
| 8/13/2012 5:14:06 PM | 0.28 | 224 | 412 | 7 |
| 8/13/2012 5:15:06 PM | 0.28 | 224 | 410 | 7 |
| 8/13/2012 5:16:06 PM | 0.28 | 224 | 409 | 7 |
| 8/13/2012 5:17:06 PM | 0.28 | 224 | 409 | 7 |
| 8/13/2012 5:18:06 PM | 0.28 | 224 | 409 | 7 |
| 8/13/2012 5:19:06 PM | 0.28 | 224 | 409 | 7 |
| 8/13/2012 5:20:06 PM | 0.28 | 224 | 408 | 7 |
| 8/13/2012 5:21:06 PM | 0.27 | 225 | 408 | 7 |
| 8/13/2012 5:22:06 PM | 0.27 | 225 | 408 | 7 |
| 8/13/2012 5:23:06 PM | 0.28 | 225 | 408 | 7 |
| 8/13/2012 5:24:06 PM | 0.27 | 224 | 408 | 7 |
| 8/13/2012 5:25:06 PM | 0.28 | 224 | 409 | 7 |
| 8/13/2012 5:26:06 PM | 0.28 | 225 | 408 | 7 |
| 8/13/2012 5:27:06 PM | 0.27 | 226 | 410 | 7 |
| 8/13/2012 5:28:06 PM | 0.28 | 226 | 411 | 7 |
| 8/13/2012 5:29:06 PM | 0.28 | 226 | 410 | 7 |
| 8/13/2012 5:30:06 PM | 0.28 | 226 | 409 | 7 |
| 8/13/2012 5:31:06 PM | 0.28 | 226 | 410 | 7 |
| 8/13/2012 5:32:06 PM | 0.28 | 225 | 411 | 7 |
| 8/13/2012 5:33:06 PM | 0.28 | 226 | 411 | 7 |
| 8/13/2012 5:34:06 PM | 0.27 | 227 | 411 | 7 |
| 8/13/2012 5:35:06 PM | 0.28 | 227 | 412 | 7 |
| 8/13/2012 5:36:06 PM | 0.28 | 226 | 413 | 7 |
| 8/13/2012 5:37:06 PM | 0.28 | 225 | 413 | 7 |
| 8/13/2012 5:38:06 PM | 0.28 | 223 | 412 | 7 |
| 8/13/2012 5:39:06 PM | 0.28 | 222 | 411 | 7 |
| 8/13/2012 5:40:06 PM | 0.28 | 221 | 411 | 7 |
| 8/13/2012 5:41:06 PM | 0.28 | 221 | 409 | 7 |
| 8/13/2012 5:42:06 PM | 0.28 | 221 | 408 | 7 |
| 8/13/2012 5:43:06 PM | 0.28 | 221 | 407 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 5:44:06 PM | 0.28 | 221 | 407 | 7 |
| 8/13/2012 5:45:06 PM | 0.28 | 221 | 407 | 7 |
| 8/13/2012 5:46:06 PM | 0.28 | 221 | 410 | 7 |
| 8/13/2012 5:47:06 PM | 0.28 | 220 | 409 | 7 |
| 8/13/2012 5:48:06 PM | 0.28 | 223 | 409 | 7 |
| 8/13/2012 5:49:06 PM | 0.28 | 225 | 410 | 7 |
| 8/13/2012 5:50:06 PM | 0.28 | 226 | 411 | 7 |
| 8/13/2012 5:51:06 PM | 0.27 | 226 | 411 | 7 |
| 8/13/2012 5:52:06 PM | 0.28 | 226 | 412 | 7 |
| 8/13/2012 5:53:06 PM | 0.28 | 226 | 411 | 7 |
| 8/13/2012 5:54:06 PM | 0.28 | 227 | 413 | 7 |
| 8/13/2012 5:55:06 PM | 0.28 | 227 | 413 | 7 |
| 8/13/2012 5:56:06 PM | 0.28 | 226 | 413 | 7 |
| 8/13/2012 5:57:06 PM | 0.28 | 226 | 413 | 7 |
| 8/13/2012 5:58:06 PM | 0.28 | 226 | 414 | 7 |
| 8/13/2012 5:59:06 PM | 0.27 | 226 | 413 | 7 |
| 8/13/2012 6:00:06 PM | 0.27 | 226 | 413 | 7 |
| 8/13/2012 6:01:06 PM | 0.28 | 227 | 413 | 7 |
| 8/13/2012 6:02:06 PM | 0.28 | 226 | 414 | 7 |
| 8/13/2012 6:03:06 PM | 0.28 | 226 | 413 | 7 |
| 8/13/2012 6:04:06 PM | 0.27 | 225 | 412 | 7 |
| 8/13/2012 6:05:06 PM | 0.27 | 225 | 412 | 7 |
| 8/13/2012 6:06:06 PM | 0.28 | 225 | 413 | 7 |
| 8/13/2012 6:07:06 PM | 0.28 | 226 | 413 | 7 |
| 8/13/2012 6:08:06 PM | 0.28 | 226 | 414 | 7 |
| 8/13/2012 6:09:06 PM | 0.27 | 226 | 415 | 7 |
| 8/13/2012 6:10:06 PM | 0.28 | 225 | 414 | 7 |
| 8/13/2012 6:11:06 PM | 0.28 | 225 | 414 | 7 |
| 8/13/2012 6:12:06 PM | 0.28 | 224 | 413 | 7 |
| 8/13/2012 6:13:06 PM | 0.28 | 223 | 412 | 7 |
| 8/13/2012 6:14:06 PM | 0.27 | 224 | 413 | 7 |
| 8/13/2012 6:15:06 PM | 0.28 | 223 | 413 | 7 |
| 8/13/2012 6:16:06 PM | 0.28 | 223 | 414 | 7 |
| 8/13/2012 6:17:06 PM | 0.28 | 224 | 413 | 7 |
| 8/13/2012 6:18:06 PM | 0.28 | 225 | 412 | 7 |
| 8/13/2012 6:19:06 PM | 0.28 | 224 | 412 | 7 |
| 8/13/2012 6:20:06 PM | 0.27 | 223 | 411 | 7 |
| 8/13/2012 6:21:06 PM | 0.27 | 223 | 411 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 6:22:06 PM | 0.27 | 222 | 412 | 7 |
| 8/13/2012 6:23:06 PM | 0.27 | 221 | 412 | 7 |
| 8/13/2012 6:24:06 PM | 0.28 | 221 | 412 | 7 |
| 8/13/2012 6:25:06 PM | 0.28 | 221 | 412 | 7 |
| 8/13/2012 6:26:06 PM | 0.28 | 221 | 413 | 7 |
| 8/13/2012 6:27:06 PM | 0.28 | 222 | 411 | 7 |
| 8/13/2012 6:28:06 PM | 0.27 | 223 | 411 | 7 |
| 8/13/2012 6:29:06 PM | 0.28 | 223 | 412 | 7 |
| 8/13/2012 6:30:06 PM | 0.28 | 223 | 410 | 7 |
| 8/13/2012 6:31:06 PM | 0.27 | 222 | 410 | 7 |
| 8/13/2012 6:32:06 PM | 0.28 | 222 | 411 | 7 |
| 8/13/2012 6:33:06 PM | 0.28 | 222 | 412 | 7 |
| 8/13/2012 6:34:06 PM | 0.28 | 223 | 412 | 7 |
| 8/13/2012 6:35:06 PM | 0.27 | 222 | 408 | 7 |
| 8/13/2012 6:36:06 PM | 0.28 | 222 | 409 | 7 |
| 8/13/2012 6:37:06 PM | 0.28 | 223 | 408 | 7 |
| 8/13/2012 6:38:06 PM | 0.28 | 223 | 408 | 7 |
| 8/13/2012 6:39:06 PM | 0.28 | 222 | 408 | 7 |
| 8/13/2012 6:40:06 PM | 0.28 | 222 | 406 | 7 |
| 8/13/2012 6:41:06 PM | 0.28 | 222 | 407 | 7 |
| 8/13/2012 6:42:06 PM | 0.28 | 221 | 407 | 7 |
| 8/13/2012 6:43:06 PM | 0.28 | 221 | 407 | 7 |
| 8/13/2012 6:44:06 PM | 0.28 | 221 | 408 | 7 |
| 8/13/2012 6:45:06 PM | 0.28 | 222 | 407 | 7 |
| 8/13/2012 6:46:06 PM | 0.27 | 221 | 407 | 7 |
| 8/13/2012 6:47:06 PM | 0.28 | 221 | 407 | 7 |
| 8/13/2012 6:48:06 PM | 0.28 | 221 | 407 | 7 |
| 8/13/2012 6:49:06 PM | 0.28 | 220 | 407 | 7 |
| 8/13/2012 6:50:06 PM | 0.27 | 221 | 408 | 7 |
| 8/13/2012 6:51:06 PM | 0.28 | 222 | 407 | 7 |
| 8/13/2012 6:52:06 PM | 0.28 | 221 | 407 | 7 |
| 8/13/2012 6:53:06 PM | 0.28 | 220 | 409 | 7 |
| 8/13/2012 6:54:06 PM | 0.28 | 220 | 408 | 7 |
| 8/13/2012 6:55:06 PM | 0.28 | 220 | 407 | 7 |
| 8/13/2012 6:56:06 PM | 0.28 | 220 | 407 | 7 |
| 8/13/2012 6:57:06 PM | 0.28 | 220 | 408 | 7 |
| 8/13/2012 6:58:06 PM | 0.28 | 220 | 408 | 7 |
| 8/13/2012 6:59:06 PM | 0.28 | 220 | 408 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 7:00:06 PM | 0.28 | 220 | 408 | 7 |
| 8/13/2012 7:01:06 PM | 0.28 | 220 | 408 | 7 |
| 8/13/2012 7:02:06 PM | 0.28 | 220 | 408 | 7 |
| 8/13/2012 7:03:06 PM | 0.27 | 220 | 408 | 7 |
| 8/13/2012 7:04:06 PM | 0.28 | 221 | 408 | 7 |
| 8/13/2012 7:05:06 PM | 0.28 | 220 | 409 | 7 |
| 8/13/2012 7:06:06 PM | 0.28 | 220 | 408 | 7 |
| 8/13/2012 7:07:06 PM | 0.28 | 220 | 409 | 7 |
| 8/13/2012 7:08:06 PM | 0.28 | 221 | 408 | 7 |
| 8/13/2012 7:09:06 PM | 0.28 | 221 | 408 | 7 |
| 8/13/2012 7:10:06 PM | 0.28 | 221 | 407 | 7 |
| 8/13/2012 7:11:06 PM | 0.28 | 221 | 407 | 7 |
| 8/13/2012 7:12:06 PM | 0.28 | 220 | 407 | 7 |
| 8/13/2012 7:13:06 PM | 0.28 | 221 | 405 | 7 |
| 8/13/2012 7:14:06 PM | 0.28 | 221 | 406 | 7 |
| 8/13/2012 7:15:06 PM | 0.27 | 222 | 406 | 7 |
| 8/13/2012 7:16:06 PM | 0.28 | 222 | 408 | 7 |
| 8/13/2012 7:17:06 PM | 0.27 | 222 | 407 | 7 |
| 8/13/2012 7:18:06 PM | 0.28 | 222 | 407 | 7 |
| 8/13/2012 7:19:06 PM | 0.28 | 222 | 407 | 7 |
| 8/13/2012 7:20:06 PM | 0.28 | 223 | 407 | 7 |
| 8/13/2012 7:21:06 PM | 0.28 | 223 | 406 | 7 |
| 8/13/2012 7:22:06 PM | 0.28 | 223 | 405 | 7 |
| 8/13/2012 7:23:06 PM | 0.28 | 223 | 406 | 7 |
| 8/13/2012 7:24:06 PM | 0.28 | 223 | 406 | 7 |
| 8/13/2012 7:25:06 PM | 0.28 | 222 | 405 | 7 |
| 8/13/2012 7:26:06 PM | 0.28 | 222 | 405 | 7 |
| 8/13/2012 7:27:06 PM | 0.28 | 222 | 403 | 7 |
| 8/13/2012 7:28:06 PM | 0.27 | 222 | 403 | 7 |
| 8/13/2012 7:29:06 PM | 0.28 | 223 | 403 | 7 |
| 8/13/2012 7:30:06 PM | 0.28 | 222 | 403 | 7 |
| 8/13/2012 7:31:06 PM | 0.28 | 223 | 403 | 7 |
| 8/13/2012 7:32:06 PM | 0.28 | 223 | 404 | 7 |
| 8/13/2012 7:33:06 PM | 0.28 | 224 | 405 | 7 |
| 8/13/2012 7:34:06 PM | 0.28 | 224 | 404 | 7 |
| 8/13/2012 7:35:06 PM | 0.27 | 224 | 404 | 7 |
| 8/13/2012 7:36:06 PM | 0.27 | 224 | 405 | 7 |
| 8/13/2012 7:37:06 PM | 0.28 | 225 | 406 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 7:38:06 PM | 0.27 | 226 | 406 | 7 |
| 8/13/2012 7:39:06 PM | 0.27 | 226 | 408 | 7 |
| 8/13/2012 7:40:06 PM | 0.27 | 226 | 410 | 7 |
| 8/13/2012 7:41:06 PM | 0.27 | 227 | 410 | 7 |
| 8/13/2012 7:42:06 PM | 0.27 | 226 | 410 | 7 |
| 8/13/2012 7:43:06 PM | 0.28 | 226 | 411 | 7 |
| 8/13/2012 7:44:06 PM | 0.28 | 226 | 410 | 7 |
| 8/13/2012 7:45:06 PM | 0.27 | 226 | 410 | 7 |
| 8/13/2012 7:46:06 PM | 0.28 | 226 | 410 | 7 |
| 8/13/2012 7:47:06 PM | 0.28 | 226 | 409 | 7 |
| 8/13/2012 7:48:06 PM | 0.27 | 225 | 409 | 7 |
| 8/13/2012 7:49:06 PM | 0.27 | 225 | 408 | 7 |
| 8/13/2012 7:50:06 PM | 0.28 | 225 | 409 | 7 |
| 8/13/2012 7:51:06 PM | 0.28 | 225 | 408 | 7 |
| 8/13/2012 7:52:06 PM | 0.28 | 225 | 409 | 7 |
| 8/13/2012 7:53:06 PM | 0.28 | 225 | 408 | 7 |
| 8/13/2012 7:54:06 PM | 0.27 | 225 | 408 | 7 |
| 8/13/2012 7:55:06 PM | 0.27 | 225 | 410 | 7 |
| 8/13/2012 7:56:06 PM | 0.28 | 224 | 409 | 7 |
| 8/13/2012 7:57:06 PM | 0.27 | 224 | 408 | 7 |
| 8/13/2012 7:58:06 PM | 0.27 | 224 | 406 | 7 |
| 8/13/2012 7:59:06 PM | 0.28 | 224 | 405 | 7 |
| 8/13/2012 8:00:06 PM | 0.27 | 223 | 402 | 7 |
| 8/13/2012 8:01:06 PM | 0.27 | 222 | 402 | 7 |
| 8/13/2012 8:02:06 PM | 0.28 | 222 | 403 | 7 |
| 8/13/2012 8:03:06 PM | 0.28 | 223 | 403 | 7 |
| 8/13/2012 8:04:06 PM | 0.27 | 223 | 403 | 7 |
| 8/13/2012 8:05:06 PM | 0.28 | 223 | 402 | 7 |
| 8/13/2012 8:06:06 PM | 0.28 | 223 | 404 | 7 |
| 8/13/2012 8:07:06 PM | 0.28 | 222 | 402 | 7 |
| 8/13/2012 8:08:06 PM | 0.28 | 222 | 402 | 7 |
| 8/13/2012 8:09:06 PM | 0.28 | 223 | 402 | 7 |
| 8/13/2012 8:10:06 PM | 0.28 | 222 | 402 | 7 |
| 8/13/2012 8:11:06 PM | 0.28 | 222 | 404 | 7 |
| 8/13/2012 8:12:06 PM | 0.28 | 222 | 404 | 7 |
| 8/13/2012 8:13:06 PM | 0.28 | 222 | 404 | 7 |
| 8/13/2012 8:14:06 PM | 0.28 | 221 | 404 | 7 |
| 8/13/2012 8:15:06 PM | 0.28 | 220 | 403 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 8:16:06 PM | 0.27 | 220 | 403 | 7 |
| 8/13/2012 8:17:06 PM | 0.28 | 220 | 403 | 7 |
| 8/13/2012 8:18:06 PM | 0.28 | 220 | 403 | 7 |
| 8/13/2012 8:19:06 PM | 0.28 | 220 | 402 | 7 |
| 8/13/2012 8:20:06 PM | 0.28 | 220 | 403 | 7 |
| 8/13/2012 8:21:06 PM | 0.28 | 220 | 403 | 7 |
| 8/13/2012 8:22:06 PM | 0.28 | 220 | 403 | 7 |
| 8/13/2012 8:23:06 PM | 0.28 | 219 | 403 | 7 |
| 8/13/2012 8:24:06 PM | 0.28 | 219 | 403 | 7 |
| 8/13/2012 8:25:06 PM | 0.28 | 219 | 403 | 7 |
| 8/13/2012 8:26:06 PM | 0.28 | 219 | 402 | 7 |
| 8/13/2012 8:27:06 PM | 0.28 | 219 | 403 | 7 |
| 8/13/2012 8:28:06 PM | 0.28 | 220 | 403 | 7 |
| 8/13/2012 8:29:06 PM | 0.28 | 220 | 403 | 7 |
| 8/13/2012 8:30:06 PM | 0.28 | 220 | 403 | 7 |
| 8/13/2012 8:31:06 PM | 0.28 | 220 | 404 | 7 |
| 8/13/2012 8:32:06 PM | 0.28 | 220 | 403 | 7 |
| 8/13/2012 8:33:06 PM | 0.28 | 220 | 404 | 7 |
| 8/13/2012 8:34:06 PM | 0.28 | 220 | 402 | 7 |
| 8/13/2012 8:35:06 PM | 0.28 | 220 | 403 | 7 |
| 8/13/2012 8:36:06 PM | 0.27 | 221 | 404 | 7 |
| 8/13/2012 8:37:06 PM | 0.28 | 221 | 405 | 7 |
| 8/13/2012 8:38:06 PM | 0.28 | 222 | 404 | 7 |
| 8/13/2012 8:39:06 PM | 0.28 | 222 | 405 | 7 |
| 8/13/2012 8:40:06 PM | 0.28 | 221 | 405 | 7 |
| 8/13/2012 8:41:06 PM | 0.28 | 221 | 405 | 7 |
| 8/13/2012 8:42:06 PM | 0.27 | 222 | 406 | 7 |
| 8/13/2012 8:43:06 PM | 0.28 | 223 | 406 | 7 |
| 8/13/2012 8:44:06 PM | 0.27 | 223 | 406 | 7 |
| 8/13/2012 8:45:06 PM | 0.27 | 223 | 404 | 7 |
| 8/13/2012 8:46:06 PM | 0.27 | 222 | 406 | 7 |
| 8/13/2012 8:47:06 PM | 0.28 | 223 | 404 | 7 |
| 8/13/2012 8:48:06 PM | 0.27 | 223 | 406 | 7 |
| 8/13/2012 8:49:06 PM | 0.28 | 224 | 407 | 7 |
| 8/13/2012 8:50:06 PM | 0.28 | 225 | 407 | 7 |
| 8/13/2012 8:51:06 PM | 0.28 | 225 | 407 | 7 |
| 8/13/2012 8:52:06 PM | 0.27 | 225 | 410 | 7 |
| 8/13/2012 8:53:06 PM | 0.27 | 225 | 410 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 8:54:06 PM | 0.27 | 226 | 411 | 7 |
| 8/13/2012 8:55:06 PM | 0.27 | 226 | 411 | 7 |
| 8/13/2012 8:56:06 PM | 0.27 | 226 | 410 | 7 |
| 8/13/2012 8:57:06 PM | 0.27 | 227 | 411 | 7 |
| 8/13/2012 8:58:06 PM | 0.28 | 228 | 411 | 7 |
| 8/13/2012 8:59:06 PM | 0.27 | 228 | 413 | 7 |
| 8/13/2012 9:00:06 PM | 0.28 | 228 | 412 | 7 |
| 8/13/2012 9:01:06 PM | 0.28 | 229 | 413 | 7 |
| 8/13/2012 9:02:06 PM | 0.28 | 228 | 413 | 7 |
| 8/13/2012 9:03:06 PM | 0.27 | 229 | 414 | 7 |
| 8/13/2012 9:04:06 PM | 0.28 | 229 | 416 | 7 |
| 8/13/2012 9:05:06 PM | 0.27 | 229 | 418 | 7 |
| 8/13/2012 9:06:06 PM | 0.27 | 229 | 418 | 7 |
| 8/13/2012 9:07:06 PM | 0.27 | 229 | 418 | 7 |
| 8/13/2012 9:08:06 PM | 0.27 | 229 | 419 | 7 |
| 8/13/2012 9:09:06 PM | 0.27 | 228 | 418 | 7 |
| 8/13/2012 9:10:06 PM | 0.27 | 228 | 418 | 7 |
| 8/13/2012 9:11:06 PM | 0.27 | 228 | 416 | 7 |
| 8/13/2012 9:12:06 PM | 0.27 | 228 | 417 | 7 |
| 8/13/2012 9:13:06 PM | 0.27 | 228 | 416 | 7 |
| 8/13/2012 9:14:06 PM | 0.27 | 229 | 415 | 7 |
| 8/13/2012 9:15:06 PM | 0.27 | 229 | 416 | 7 |
| 8/13/2012 9:16:06 PM | 0.27 | 229 | 416 | 7 |
| 8/13/2012 9:17:06 PM | 0.27 | 229 | 417 | 7 |
| 8/13/2012 9:18:06 PM | 0.27 | 229 | 417 | 7 |
| 8/13/2012 9:19:06 PM | 0.27 | 229 | 418 | 7 |
| 8/13/2012 9:20:06 PM | 0.28 | 229 | 419 | 7 |
| 8/13/2012 9:21:06 PM | 0.28 | 228 | 418 | 7 |
| 8/13/2012 9:22:06 PM | 0.27 | 228 | 417 | 7 |
| 8/13/2012 9:23:06 PM | 0.27 | 228 | 417 | 7 |
| 8/13/2012 9:24:06 PM | 0.27 | 228 | 416 | 7 |
| 8/13/2012 9:25:06 PM | 0.27 | 228 | 416 | 7 |
| 8/13/2012 9:26:06 PM | 0.27 | 228 | 416 | 7 |
| 8/13/2012 9:27:06 PM | 0.27 | 228 | 415 | 7 |
| 8/13/2012 9:28:06 PM | 0.27 | 228 | 415 | 7 |
| 8/13/2012 9:29:06 PM | 0.27 | 228 | 416 | 7 |
| 8/13/2012 9:30:06 PM | 0.27 | 228 | 415 | 7 |
| 8/13/2012 9:31:06 PM | 0.28 | 227 | 414 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 9:32:06 PM | 0.28 | 227 | 417 | 7 |
| 8/13/2012 9:33:06 PM | 0.27 | 227 | 415 | 7 |
| 8/13/2012 9:34:06 PM | 0.27 | 226 | 413 | 7 |
| 8/13/2012 9:35:06 PM | 0.28 | 226 | 413 | 7 |
| 8/13/2012 9:36:06 PM | 0.28 | 226 | 413 | 7 |
| 8/13/2012 9:37:06 PM | 0.28 | 226 | 413 | 7 |
| 8/13/2012 9:38:06 PM | 0.28 | 226 | 413 | 7 |
| 8/13/2012 9:39:06 PM | 0.27 | 227 | 412 | 7 |
| 8/13/2012 9:40:06 PM | 0.28 | 228 | 412 | 7 |
| 8/13/2012 9:41:06 PM | 0.27 | 229 | 413 | 7 |
| 8/13/2012 9:42:06 PM | 0.28 | 229 | 413 | 7 |
| 8/13/2012 9:43:06 PM | 0.27 | 229 | 413 | 7 |
| 8/13/2012 9:44:06 PM | 0.27 | 229 | 413 | 7 |
| 8/13/2012 9:45:06 PM | 0.27 | 229 | 415 | 7 |
| 8/13/2012 9:46:06 PM | 0.27 | 229 | 416 | 7 |
| 8/13/2012 9:47:06 PM | 0.27 | 229 | 418 | 7 |
| 8/13/2012 9:48:06 PM | 0.28 | 229 | 418 | 7 |
| 8/13/2012 9:49:06 PM | 0.27 | 229 | 418 | 7 |
| 8/13/2012 9:50:06 PM | 0.27 | 230 | 418 | 7 |
| 8/13/2012 9:51:06 PM | 0.27 | 230 | 417 | 7 |
| 8/13/2012 9:52:06 PM | 0.27 | 230 | 417 | 7 |
| 8/13/2012 9:53:06 PM | 0.27 | 230 | 418 | 7 |
| 8/13/2012 9:54:06 PM | 0.27 | 230 | 418 | 7 |
| 8/13/2012 9:55:06 PM | 0.27 | 230 | 419 | 7 |
| 8/13/2012 9:56:06 PM | 0.27 | 230 | 420 | 7 |
| 8/13/2012 9:57:06 PM | 0.27 | 230 | 420 | 7 |
| 8/13/2012 9:58:06 PM | 0.28 | 231 | 422 | 7 |
| 8/13/2012 9:59:06 PM | 0.27 | 231 | 421 | 7 |
| 8/13/2012 10:00:06 PM | 0.27 | 231 | 423 | 7 |
| 8/13/2012 10:01:06 PM | 0.27 | 231 | 422 | 7 |
| 8/13/2012 10:02:06 PM | 0.27 | 231 | 422 | 7 |
| 8/13/2012 10:03:06 PM | 0.27 | 231 | 424 | 7 |
| 8/13/2012 10:04:06 PM | 0.27 | 230 | 426 | 7 |
| 8/13/2012 10:05:06 PM | 0.27 | 230 | 427 | 7 |
| 8/13/2012 10:06:06 PM | 0.27 | 230 | 427 | 7 |
| 8/13/2012 10:07:06 PM | 0.28 | 229 | 426 | 7 |
| 8/13/2012 10:08:06 PM | 0.27 | 229 | 426 | 7 |
| 8/13/2012 10:09:06 PM | 0.28 | 229 | 423 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 10:10:06 PM | 0.27 | 229 | 422 | 7 |
| 8/13/2012 10:11:06 PM | 0.27 | 229 | 422 | 7 |
| 8/13/2012 10:12:06 PM | 0.27 | 230 | 422 | 7 |
| 8/13/2012 10:13:06 PM | 0.27 | 230 | 421 | 7 |
| 8/13/2012 10:14:06 PM | 0.27 | 230 | 421 | 7 |
| 8/13/2012 10:15:06 PM | 0.27 | 230 | 421 | 7 |
| 8/13/2012 10:16:06 PM | 0.27 | 230 | 422 | 7 |
| 8/13/2012 10:17:06 PM | 0.27 | 229 | 422 | 7 |
| 8/13/2012 10:18:06 PM | 0.28 | 229 | 423 | 7 |
| 8/13/2012 10:19:06 PM | 0.28 | 228 | 423 | 7 |
| 8/13/2012 10:20:06 PM | 0.27 | 229 | 423 | 7 |
| 8/13/2012 10:21:06 PM | 0.28 | 229 | 422 | 7 |
| 8/13/2012 10:22:06 PM | 0.27 | 229 | 421 | 7 |
| 8/13/2012 10:23:06 PM | 0.27 | 229 | 421 | 7 |
| 8/13/2012 10:24:06 PM | 0.28 | 229 | 421 | 7 |
| 8/13/2012 10:25:06 PM | 0.27 | 229 | 419 | 7 |
| 8/13/2012 10:26:06 PM | 0.27 | 230 | 419 | 7 |
| 8/13/2012 10:27:06 PM | 0.27 | 230 | 418 | 7 |
| 8/13/2012 10:28:06 PM | 0.28 | 231 | 417 | 7 |
| 8/13/2012 10:29:06 PM | 0.27 | 231 | 418 | 7 |
| 8/13/2012 10:30:06 PM | 0.27 | 231 | 418 | 7 |
| 8/13/2012 10:31:06 PM | 0.27 | 231 | 419 | 7 |
| 8/13/2012 10:32:06 PM | 0.27 | 231 | 419 | 7 |
| 8/13/2012 10:33:06 PM | 0.27 | 232 | 419 | 7 |
| 8/13/2012 10:34:06 PM | 0.27 | 232 | 420 | 7 |
| 8/13/2012 10:35:06 PM | 0.28 | 231 | 420 | 7 |
| 8/13/2012 10:36:06 PM | 0.27 | 231 | 421 | 7 |
| 8/13/2012 10:37:06 PM | 0.27 | 231 | 422 | 7 |
| 8/13/2012 10:38:06 PM | 0.27 | 231 | 421 | 7 |
| 8/13/2012 10:39:06 PM | 0.27 | 232 | 421 | 7 |
| 8/13/2012 10:40:06 PM | 0.27 | 232 | 420 | 7 |
| 8/13/2012 10:41:06 PM | 0.27 | 232 | 420 | 7 |
| 8/13/2012 10:42:06 PM | 0.27 | 232 | 420 | 7 |
| 8/13/2012 10:43:06 PM | 0.27 | 231 | 422 | 7 |
| 8/13/2012 10:44:06 PM | 0.27 | 231 | 422 | 7 |
| 8/13/2012 10:45:06 PM | 0.27 | 231 | 422 | 7 |
| 8/13/2012 10:46:06 PM | 0.27 | 231 | 422 | 7 |
| 8/13/2012 10:47:06 PM | 0.27 | 231 | 423 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 10:48:06 PM | 0.27 | 232 | 425 | 7 |
| 8/13/2012 10:49:06 PM | 0.27 | 231 | 428 | 7 |
| 8/13/2012 10:50:06 PM | 0.27 | 232 | 428 | 7 |
| 8/13/2012 10:51:06 PM | 0.27 | 231 | 430 | 7 |
| 8/13/2012 10:52:06 PM | 0.27 | 231 | 433 | 7 |
| 8/13/2012 10:53:06 PM | 0.27 | 231 | 433 | 7 |
| 8/13/2012 10:54:06 PM | 0.27 | 231 | 433 | 7 |
| 8/13/2012 10:55:06 PM | 0.27 | 231 | 437 | 7 |
| 8/13/2012 10:56:06 PM | 0.27 | 231 | 437 | 7 |
| 8/13/2012 10:57:06 PM | 0.27 | 231 | 437 | 7 |
| 8/13/2012 10:58:06 PM | 0.27 | 232 | 436 | 7 |
| 8/13/2012 10:59:06 PM | 0.27 | 232 | 435 | 7 |
| 8/13/2012 11:00:06 PM | 0.27 | 232 | 435 | 7 |
| 8/13/2012 11:01:06 PM | 0.27 | 232 | 436 | 7 |
| 8/13/2012 11:02:06 PM | 0.27 | 232 | 435 | 7 |
| 8/13/2012 11:03:06 PM | 0.27 | 231 | 434 | 7 |
| 8/13/2012 11:04:06 PM | 0.27 | 231 | 434 | 7 |
| 8/13/2012 11:05:06 PM | 0.27 | 231 | 435 | 7 |
| 8/13/2012 11:06:06 PM | 0.27 | 232 | 434 | 7 |
| 8/13/2012 11:07:06 PM | 0.27 | 232 | 434 | 7 |
| 8/13/2012 11:08:06 PM | 0.27 | 232 | 433 | 7 |
| 8/13/2012 11:09:06 PM | 0.26 | 232 | 433 | 7 |
| 8/13/2012 11:10:06 PM | 0.27 | 232 | 432 | 7 |
| 8/13/2012 11:11:06 PM | 0.26 | 232 | 432 | 7 |
| 8/13/2012 11:12:06 PM | 0.27 | 232 | 432 | 7 |
| 8/13/2012 11:13:06 PM | 0.27 | 232 | 432 | 7 |
| 8/13/2012 11:14:06 PM | 0.27 | 232 | 432 | 7 |
| 8/13/2012 11:15:06 PM | 0.27 | 231 | 431 | 7 |
| 8/13/2012 11:16:06 PM | 0.27 | 232 | 431 | 7 |
| 8/13/2012 11:17:06 PM | 0.27 | 231 | 429 | 7 |
| 8/13/2012 11:18:06 PM | 0.27 | 231 | 428 | 7 |
| 8/13/2012 11:19:06 PM | 0.28 | 231 | 428 | 7 |
| 8/13/2012 11:20:06 PM | 0.27 | 231 | 428 | 7 |
| 8/13/2012 11:21:06 PM | 0.27 | 231 | 427 | 7 |
| 8/13/2012 11:22:06 PM | 0.27 | 231 | 427 | 7 |
| 8/13/2012 11:23:06 PM | 0.27 | 231 | 428 | 7 |
| 8/13/2012 11:24:06 PM | 0.27 | 232 | 428 | 7 |
| 8/13/2012 11:25:06 PM | 0.27 | 232 | 429 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **13-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **13-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/13/2012 11:26:06 PM | 0.27 | 232 | 428 | 7 |
| 8/13/2012 11:27:06 PM | 0.27 | 231 | 430 | 8 |
| 8/13/2012 11:28:06 PM | 0.27 | 231 | 432 | 8 |
| 8/13/2012 11:29:06 PM | 0.27 | 231 | 432 | 8 |
| 8/13/2012 11:30:06 PM | 0.27 | 230 | 431 | 7 |
| 8/13/2012 11:31:06 PM | 0.27 | 230 | 430 | 7 |
| 8/13/2012 11:32:06 PM | 0.27 | 230 | 429 | 7 |
| 8/13/2012 11:33:06 PM | 0.27 | 229 | 429 | 7 |
| 8/13/2012 11:34:06 PM | 0.27 | 229 | 429 | 7 |
| 8/13/2012 11:35:06 PM | 0.27 | 229 | 428 | 7 |
| 8/13/2012 11:36:06 PM | 0.27 | 229 | 427 | 7 |
| 8/13/2012 11:37:06 PM | 0.27 | 229 | 428 | 7 |
| 8/13/2012 11:38:06 PM | 0.28 | 229 | 428 | 7 |
| 8/13/2012 11:39:06 PM | 0.28 | 229 | 428 | 7 |
| 8/13/2012 11:40:06 PM | 0.27 | 229 | 429 | 7 |
| 8/13/2012 11:41:06 PM | 0.28 | 229 | 432 | 7 |
| 8/13/2012 11:42:06 PM | 0.27 | 230 | 432 | 7 |
| 8/13/2012 11:43:06 PM | 0.27 | 230 | 434 | 7 |
| 8/13/2012 11:44:06 PM | 0.27 | 230 | 436 | 7 |
| 8/13/2012 11:45:06 PM | 0.27 | 230 | 436 | 7 |
| 8/13/2012 11:46:06 PM | 0.27 | 230 | 438 | 7 |
| 8/13/2012 11:47:06 PM | 0.27 | 230 | 438 | 7 |
| 8/13/2012 11:48:06 PM | 0.27 | 230 | 438 | 7 |
| 8/13/2012 11:49:06 PM | 0.27 | 230 | 439 | 7 |
| 8/13/2012 11:50:06 PM | 0.27 | 230 | 439 | 7 |
| 8/13/2012 11:51:06 PM | 0.27 | 231 | 438 | 7 |
| 8/13/2012 11:52:06 PM | 0.27 | 230 | 437 | 7 |
| 8/13/2012 11:53:06 PM | 0.27 | 231 | 437 | 7 |
| 8/13/2012 11:54:06 PM | 0.27 | 230 | 437 | 8 |
| 8/13/2012 11:55:06 PM | 0.27 | 231 | 437 | 8 |
| 8/13/2012 11:56:06 PM | 0.27 | 231 | 437 | 8 |
| 8/13/2012 11:57:06 PM | 0.28 | 231 | 434 | 7 |
| 8/13/2012 11:58:06 PM | 0.27 | 231 | 434 | 7 |
| 8/13/2012 11:59:06 PM | 0.27 | 230 | 435 | 7 |
| Averages | 0.28 | 228 | 387 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 0:00:06 AM | 0.27 | 230 | 435 | 8 |
| 8/14/2012 0:01:06 AM | 0.27 | 231 | 436 | 8 |
| 8/14/2012 0:02:06 AM | 0.27 | 231 | 435 | 8 |
| 8/14/2012 0:03:06 AM | 0.27 | 231 | 436 | 8 |
| 8/14/2012 0:04:06 AM | 0.27 | 232 | 436 | 8 |
| 8/14/2012 0:05:06 AM | 0.27 | 232 | 436 | 8 |
| 8/14/2012 0:06:06 AM | 0.27 | 231 | 437 | 8 |
| 8/14/2012 0:07:06 AM | 0.27 | 231 | 436 | 8 |
| 8/14/2012 0:08:06 AM | 0.27 | 231 | 435 | 8 |
| 8/14/2012 0:09:06 AM | 0.27 | 231 | 433 | 8 |
| 8/14/2012 0:10:06 AM | 0.27 | 231 | 433 | 8 |
| 8/14/2012 0:11:06 AM | 0.27 | 231 | 433 | 8 |
| 8/14/2012 0:12:06 AM | 0.27 | 231 | 432 | 8 |
| 8/14/2012 0:13:06 AM | 0.27 | 231 | 432 | 8 |
| 8/14/2012 0:14:06 AM | 0.27 | 231 | 433 | 8 |
| 8/14/2012 0:15:06 AM | 0.27 | 230 | 432 | 8 |
| 8/14/2012 0:16:06 AM | 0.27 | 230 | 431 | 8 |
| 8/14/2012 0:17:06 AM | 0.27 | 230 | 432 | 8 |
| 8/14/2012 0:18:06 AM | 0.27 | 230 | 432 | 8 |
| 8/14/2012 0:19:06 AM | 0.27 | 230 | 432 | 8 |
| 8/14/2012 0:20:06 AM | 0.27 | 230 | 432 | 8 |
| 8/14/2012 0:21:06 AM | 0.27 | 230 | 431 | 8 |
| 8/14/2012 0:22:06 AM | 0.27 | 230 | 432 | 8 |
| 8/14/2012 0:23:06 AM | 0.27 | 230 | 433 | 8 |
| 8/14/2012 0:24:06 AM | 0.27 | 230 | 433 | 8 |
| 8/14/2012 0:25:06 AM | 0.27 | 231 | 432 | 8 |
| 8/14/2012 0:26:06 AM | 0.27 | 231 | 432 | 8 |
| 8/14/2012 0:27:06 AM | 0.27 | 231 | 433 | 7 |
| 8/14/2012 0:28:06 AM | 0.27 | 231 | 433 | 7 |
| 8/14/2012 0:29:06 AM | 0.27 | 230 | 433 | 7 |
| 8/14/2012 0:30:06 AM | 0.27 | 230 | 432 | 7 |
| 8/14/2012 0:31:06 AM | 0.27 | 230 | 432 | 7 |
| 8/14/2012 0:32:06 AM | 0.27 | 229 | 433 | 7 |
| 8/14/2012 0:33:06 AM | 0.27 | 229 | 433 | 7 |
| 8/14/2012 0:34:06 AM | 0.27 | 229 | 433 | 7 |
| 8/14/2012 0:35:06 AM | 0.27 | 229 | 433 | 7 |
| 8/14/2012 0:36:06 AM | 0.28 | 228 | 433 | 7 |
| 8/14/2012 0:37:06 AM | 0.27 | 228 | 435 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 0:38:06 AM | 0.27 | 228 | 434 | 7 |
| 8/14/2012 0:39:06 AM | 0.27 | 228 | 433 | 7 |
| 8/14/2012 0:40:06 AM | 0.27 | 228 | 432 | 7 |
| 8/14/2012 0:41:06 AM | 0.27 | 229 | 430 | 7 |
| 8/14/2012 0:42:06 AM | 0.27 | 229 | 428 | 8 |
| 8/14/2012 0:43:06 AM | 0.27 | 229 | 427 | 8 |
| 8/14/2012 0:44:06 AM | 0.28 | 228 | 424 | 8 |
| 8/14/2012 0:45:06 AM | 0.28 | 228 | 424 | 8 |
| 8/14/2012 0:46:06 AM | 0.27 | 228 | 422 | 8 |
| 8/14/2012 0:47:06 AM | 0.27 | 228 | 421 | 8 |
| 8/14/2012 0:48:06 AM | 0.27 | 228 | 420 | 8 |
| 8/14/2012 0:49:06 AM | 0.27 | 227 | 418 | 8 |
| 8/14/2012 0:50:06 AM | 0.28 | 227 | 417 | 8 |
| 8/14/2012 0:51:06 AM | 0.27 | 226 | 416 | 8 |
| 8/14/2012 0:52:06 AM | 0.27 | 226 | 416 | 8 |
| 8/14/2012 0:53:06 AM | 0.27 | 226 | 415 | 8 |
| 8/14/2012 0:54:06 AM | 0.27 | 227 | 414 | 8 |
| 8/14/2012 0:55:06 AM | 0.27 | 227 | 413 | 8 |
| 8/14/2012 0:56:06 AM | 0.27 | 228 | 413 | 8 |
| 8/14/2012 0:57:06 AM | 0.27 | 228 | 412 | 8 |
| 8/14/2012 0:58:06 AM | 0.28 | 227 | 412 | 8 |
| 8/14/2012 0:59:06 AM | 0.27 | 227 | 411 | 8 |
| 8/14/2012 1:00:06 AM | 0.27 | 226 | 409 | 8 |
| 8/14/2012 1:01:06 AM | 0.27 | 226 | 409 | 8 |
| 8/14/2012 1:02:06 AM | 0.28 | 227 | 408 | 8 |
| 8/14/2012 1:03:06 AM | 0.28 | 226 | 407 | 7 |
| 8/14/2012 1:04:06 AM | 0.27 | 225 | 408 | 7 |
| 8/14/2012 1:05:06 AM | 0.27 | 225 | 405 | 7 |
| 8/14/2012 1:06:06 AM | 0.27 | 225 | 406 | 7 |
| 8/14/2012 1:07:06 AM | 0.27 | 225 | 405 | 7 |
| 8/14/2012 1:08:06 AM | 0.27 | 224 | 404 | 7 |
| 8/14/2012 1:09:06 AM | 0.27 | 223 | 404 | 7 |
| 8/14/2012 1:10:06 AM | 0.27 | 223 | 404 | 7 |
| 8/14/2012 1:11:06 AM | 0.27 | 223 | 404 | 7 |
| 8/14/2012 1:12:06 AM | 0.28 | 224 | 404 | 7 |
| 8/14/2012 1:13:06 AM | 0.28 | 225 | 405 | 7 |
| 8/14/2012 1:14:06 AM | 0.27 | 225 | 408 | 7 |
| 8/14/2012 1:15:06 AM | 0.27 | 225 | 407 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 1:16:06 AM | 0.27 | 226 | 408 | 7 |
| 8/14/2012 1:17:06 AM | 0.27 | 227 | 408 | 7 |
| 8/14/2012 1:18:06 AM | 0.27 | 226 | 411 | 7 |
| 8/14/2012 1:19:06 AM | 0.27 | 226 | 412 | 7 |
| 8/14/2012 1:20:06 AM | 0.27 | 226 | 413 | 7 |
| 8/14/2012 1:21:06 AM | 0.27 | 227 | 416 | 7 |
| 8/14/2012 1:22:06 AM | 0.27 | 228 | 416 | 7 |
| 8/14/2012 1:23:06 AM | 0.27 | 228 | 417 | 7 |
| 8/14/2012 1:24:06 AM | 0.27 | 229 | 417 | 7 |
| 8/14/2012 1:25:06 AM | 0.27 | 229 | 419 | 7 |
| 8/14/2012 1:26:06 AM | 0.27 | 229 | 420 | 7 |
| 8/14/2012 1:27:06 AM | 0.27 | 230 | 420 | 8 |
| 8/14/2012 1:28:06 AM | 0.27 | 230 | 421 | 8 |
| 8/14/2012 1:29:06 AM | 0.27 | 231 | 420 | 8 |
| 8/14/2012 1:30:06 AM | 0.27 | 231 | 421 | 8 |
| 8/14/2012 1:31:06 AM | 0.27 | 231 | 422 | 8 |
| 8/14/2012 1:32:06 AM | 0.27 | 231 | 421 | 8 |
| 8/14/2012 1:33:06 AM | 0.27 | 232 | 421 | 8 |
| 8/14/2012 1:34:06 AM | 0.27 | 232 | 421 | 8 |
| 8/14/2012 1:35:06 AM | 0.27 | 232 | 421 | 8 |
| 8/14/2012 1:36:06 AM | 0.27 | 232 | 421 | 8 |
| 8/14/2012 1:37:06 AM | 0.27 | 232 | 421 | 8 |
| 8/14/2012 1:38:06 AM | 0.27 | 232 | 420 | 8 |
| 8/14/2012 1:39:06 AM | 0.27 | 231 | 420 | 8 |
| 8/14/2012 1:40:06 AM | 0.27 | 231 | 418 | 8 |
| 8/14/2012 1:41:06 AM | 0.27 | 230 | 417 | 8 |
| 8/14/2012 1:42:06 AM | 0.28 | 230 | 417 | 8 |
| 8/14/2012 1:43:06 AM | 0.28 | 230 | 417 | 8 |
| 8/14/2012 1:44:06 AM | 0.28 | 229 | 417 | 8 |
| 8/14/2012 1:45:06 AM | 0.28 | 229 | 417 | 8 |
| 8/14/2012 1:46:06 AM | 0.27 | 229 | 417 | 8 |
| 8/14/2012 1:47:06 AM | 0.27 | 229 | 418 | 8 |
| 8/14/2012 1:48:06 AM | 0.27 | 229 | 418 | 8 |
| 8/14/2012 1:49:06 AM | 0.27 | 230 | 419 | 8 |
| 8/14/2012 1:50:06 AM | 0.27 | 230 | 421 | 8 |
| 8/14/2012 1:51:06 AM | 0.27 | 230 | 420 | 7 |
| 8/14/2012 1:52:06 AM | 0.27 | 229 | 423 | 7 |
| 8/14/2012 1:53:06 AM | 0.27 | 229 | 422 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 1:54:06 AM | 0.27 | 230 | 422 | 7 |
| 8/14/2012 1:55:06 AM | 0.27 | 230 | 423 | 7 |
| 8/14/2012 1:56:06 AM | 0.27 | 230 | 422 | 7 |
| 8/14/2012 1:57:06 AM | 0.27 | 230 | 423 | 7 |
| 8/14/2012 1:58:06 AM | 0.27 | 229 | 423 | 7 |
| 8/14/2012 1:59:06 AM | 0.27 | 229 | 422 | 7 |
| 8/14/2012 2:00:06 AM | 0.27 | 230 | 422 | 7 |
| 8/14/2012 2:01:06 AM | 0.27 | 230 | 423 | 7 |
| 8/14/2012 2:02:06 AM | 0.27 | 230 | 423 | 7 |
| 8/14/2012 2:03:06 AM | 0.28 | 229 | 422 | 7 |
| 8/14/2012 2:04:06 AM | 0.28 | 228 | 422 | 7 |
| 8/14/2012 2:05:06 AM | 0.27 | 228 | 422 | 7 |
| 8/14/2012 2:06:06 AM | 0.28 | 228 | 422 | 8 |
| 8/14/2012 2:07:06 AM | 0.27 | 228 | 420 | 8 |
| 8/14/2012 2:08:06 AM | 0.27 | 227 | 421 | 8 |
| 8/14/2012 2:09:06 AM | 0.27 | 227 | 421 | 8 |
| 8/14/2012 2:10:06 AM | 0.27 | 226 | 420 | 8 |
| 8/14/2012 2:11:06 AM | 0.27 | 227 | 420 | 8 |
| 8/14/2012 2:12:06 AM | 0.28 | 226 | 421 | 8 |
| 8/14/2012 2:13:06 AM | 0.28 | 226 | 419 | 8 |
| 8/14/2012 2:14:06 AM | 0.28 | 226 | 418 | 8 |
| 8/14/2012 2:15:06 AM | 0.27 | 225 | 416 | 8 |
| 8/14/2012 2:16:06 AM | 0.28 | 224 | 416 | 8 |
| 8/14/2012 2:17:06 AM | 0.28 | 224 | 416 | 8 |
| 8/14/2012 2:18:06 AM | 0.28 | 224 | 416 | 7 |
| 8/14/2012 2:19:06 AM | 0.27 | 224 | 414 | 7 |
| 8/14/2012 2:20:06 AM | 0.28 | 224 | 414 | 8 |
| 8/14/2012 2:21:06 AM | 0.28 | 225 | 413 | 8 |
| 8/14/2012 2:22:06 AM | 0.28 | 224 | 413 | 8 |
| 8/14/2012 2:23:06 AM | 0.27 | 224 | 414 | 8 |
| 8/14/2012 2:24:06 AM | 0.27 | 223 | 412 | 8 |
| 8/14/2012 2:25:06 AM | 0.27 | 224 | 413 | 8 |
| 8/14/2012 2:26:06 AM | 0.28 | 223 | 413 | 8 |
| 8/14/2012 2:27:06 AM | 0.28 | 223 | 412 | 7 |
| 8/14/2012 2:28:06 AM | 0.27 | 224 | 412 | 7 |
| 8/14/2012 2:29:06 AM | 0.28 | 223 | 413 | 7 |
| 8/14/2012 2:30:06 AM | 0.27 | 223 | 412 | 7 |
| 8/14/2012 2:31:06 AM | 0.27 | 224 | 412 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 2:32:06 AM | 0.27 | 225 | 414 | 7 |
| 8/14/2012 2:33:06 AM | 0.28 | 225 | 416 | 7 |
| 8/14/2012 2:34:06 AM | 0.28 | 225 | 417 | 7 |
| 8/14/2012 2:35:06 AM | 0.27 | 225 | 418 | 7 |
| 8/14/2012 2:36:06 AM | 0.28 | 226 | 419 | 7 |
| 8/14/2012 2:37:06 AM | 0.27 | 227 | 421 | 7 |
| 8/14/2012 2:38:06 AM | 0.27 | 227 | 423 | 7 |
| 8/14/2012 2:39:06 AM | 0.27 | 227 | 424 | 7 |
| 8/14/2012 2:40:06 AM | 0.27 | 227 | 425 | 7 |
| 8/14/2012 2:41:06 AM | 0.27 | 228 | 425 | 7 |
| 8/14/2012 2:42:06 AM | 0.27 | 228 | 426 | 7 |
| 8/14/2012 2:43:06 AM | 0.27 | 230 | 427 | 7 |
| 8/14/2012 2:44:06 AM | 0.27 | 230 | 428 | 7 |
| 8/14/2012 2:45:06 AM | 0.27 | 230 | 427 | 8 |
| 8/14/2012 2:46:06 AM | 0.27 | 230 | 428 | 8 |
| 8/14/2012 2:47:06 AM | 0.27 | 231 | 429 | 8 |
| 8/14/2012 2:48:06 AM | 0.27 | 231 | 431 | 8 |
| 8/14/2012 2:49:06 AM | 0.27 | 232 | 432 | 8 |
| 8/14/2012 2:50:06 AM | 0.27 | 232 | 431 | 8 |
| 8/14/2012 2:51:06 AM | 0.27 | 232 | 432 | 8 |
| 8/14/2012 2:52:06 AM | 0.27 | 232 | 432 | 8 |
| 8/14/2012 2:53:06 AM | 0.27 | 232 | 432 | 8 |
| 8/14/2012 2:54:06 AM | 0.27 | 232 | 431 | 8 |
| 8/14/2012 2:55:06 AM | 0.26 | 232 | 429 | 8 |
| 8/14/2012 2:56:06 AM | 0.27 | 232 | 428 | 8 |
| 8/14/2012 2:57:06 AM | 0.27 | 232 | 426 | 8 |
| 8/14/2012 2:58:06 AM | 0.27 | 232 | 425 | 8 |
| 8/14/2012 2:59:06 AM | 0.27 | 232 | 425 | 8 |
| 8/14/2012 3:00:06 AM | 0.27 | 232 | 424 | 8 |
| 8/14/2012 3:01:06 AM | 0.27 | 232 | 423 | 8 |
| 8/14/2012 3:02:06 AM | 0.27 | 232 | 424 | 8 |
| 8/14/2012 3:03:06 AM | 0.27 | 231 | 422 | 8 |
| 8/14/2012 3:04:06 AM | 0.27 | 231 | 422 | 8 |
| 8/14/2012 3:05:06 AM | 0.27 | 230 | 421 | 8 |
| 8/14/2012 3:06:06 AM | 0.27 | 230 | 421 | 7 |
| 8/14/2012 3:07:06 AM | 0.27 | 230 | 420 | 7 |
| 8/14/2012 3:08:06 AM | 0.27 | 231 | 420 | 7 |
| 8/14/2012 3:09:06 AM | 0.27 | 231 | 421 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 3:10:06 AM | 0.27 | 230 | 421 | 7 |
| 8/14/2012 3:11:06 AM | 0.27 | 229 | 421 | 7 |
| 8/14/2012 3:12:06 AM | 0.27 | 229 | 423 | 7 |
| 8/14/2012 3:13:06 AM | 0.27 | 229 | 422 | 7 |
| 8/14/2012 3:14:06 AM | 0.27 | 230 | 422 | 7 |
| 8/14/2012 3:15:06 AM | 0.27 | 230 | 422 | 7 |
| 8/14/2012 3:16:06 AM | 0.27 | 230 | 422 | 7 |
| 8/14/2012 3:17:06 AM | 0.27 | 230 | 422 | 7 |
| 8/14/2012 3:18:06 AM | 0.27 | 231 | 422 | 7 |
| 8/14/2012 3:19:06 AM | 0.27 | 230 | 422 | 7 |
| 8/14/2012 3:20:06 AM | 0.27 | 231 | 422 | 7 |
| 8/14/2012 3:21:06 AM | 0.27 | 231 | 422 | 8 |
| 8/14/2012 3:22:06 AM | 0.27 | 231 | 423 | 8 |
| 8/14/2012 3:23:06 AM | 0.27 | 230 | 423 | 8 |
| 8/14/2012 3:24:06 AM | 0.27 | 229 | 424 | 8 |
| 8/14/2012 3:25:06 AM | 0.27 | 229 | 425 | 8 |
| 8/14/2012 3:26:06 AM | 0.27 | 229 | 426 | 8 |
| 8/14/2012 3:27:06 AM | 0.27 | 229 | 427 | 8 |
| 8/14/2012 3:28:06 AM | 0.28 | 229 | 425 | 8 |
| 8/14/2012 3:29:06 AM | 0.27 | 230 | 426 | 8 |
| 8/14/2012 3:30:06 AM | 0.27 | 230 | 425 | 8 |
| 8/14/2012 3:31:06 AM | 0.28 | 229 | 424 | 8 |
| 8/14/2012 3:32:06 AM | 0.27 | 229 | 425 | 8 |
| 8/14/2012 3:33:06 AM | 0.28 | 229 | 425 | 8 |
| 8/14/2012 3:34:06 AM | 0.27 | 230 | 423 | 8 |
| 8/14/2012 3:35:06 AM | 0.27 | 230 | 423 | 8 |
| 8/14/2012 3:36:06 AM | 0.28 | 231 | 424 | 8 |
| 8/14/2012 3:37:06 AM | 0.27 | 231 | 424 | 8 |
| 8/14/2012 3:38:06 AM | 0.27 | 231 | 426 | 8 |
| 8/14/2012 3:39:06 AM | 0.27 | 231 | 426 | 7 |
| 8/14/2012 3:40:06 AM | 0.27 | 231 | 427 | 7 |
| 8/14/2012 3:41:06 AM | 0.27 | 232 | 427 | 7 |
| 8/14/2012 3:42:06 AM | 0.27 | 231 | 427 | 7 |
| 8/14/2012 3:43:06 AM | 0.27 | 231 | 426 | 7 |
| 8/14/2012 3:44:06 AM | 0.27 | 231 | 426 | 7 |
| 8/14/2012 3:45:06 AM | 0.27 | 231 | 426 | 7 |
| 8/14/2012 3:46:06 AM | 0.27 | 230 | 426 | 7 |
| 8/14/2012 3:47:06 AM | 0.27 | 230 | 426 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 3:48:06 AM | 0.27 | 229 | 425 | 7 |
| 8/14/2012 3:49:06 AM | 0.27 | 229 | 425 | 7 |
| 8/14/2012 3:50:06 AM | 0.28 | 229 | 426 | 7 |
| 8/14/2012 3:51:06 AM | 0.28 | 229 | 425 | 7 |
| 8/14/2012 3:52:06 AM | 0.27 | 228 | 427 | 7 |
| 8/14/2012 3:53:06 AM | 0.27 | 229 | 425 | 7 |
| 8/14/2012 3:54:06 AM | 0.27 | 229 | 425 | 7 |
| 8/14/2012 3:55:06 AM | 0.27 | 228 | 427 | 7 |
| 8/14/2012 3:56:06 AM | 0.27 | 229 | 427 | 7 |
| 8/14/2012 3:57:06 AM | 0.27 | 229 | 428 | 7 |
| 8/14/2012 3:58:06 AM | 0.27 | 230 | 430 | 7 |
| 8/14/2012 3:59:06 AM | 0.27 | 230 | 432 | 7 |
| 8/14/2012 4:00:06 AM | 0.27 | 230 | 434 | 7 |
| 8/14/2012 4:01:06 AM | 0.28 | 230 | 435 | 7 |
| 8/14/2012 4:02:06 AM | 0.27 | 230 | 436 | 7 |
| 8/14/2012 4:03:06 AM | 0.27 | 230 | 437 | 7 |
| 8/14/2012 4:04:06 AM | 0.27 | 231 | 437 | 7 |
| 8/14/2012 4:05:06 AM | 0.27 | 231 | 436 | 7 |
| 8/14/2012 4:06:06 AM | 0.27 | 231 | 435 | 8 |
| 8/14/2012 4:07:06 AM | 0.27 | 231 | 434 | 8 |
| 8/14/2012 4:08:06 AM | 0.27 | 231 | 434 | 8 |
| 8/14/2012 4:09:06 AM | 0.27 | 230 | 435 | 8 |
| 8/14/2012 4:10:06 AM | 0.27 | 230 | 434 | 8 |
| 8/14/2012 4:11:06 AM | 0.27 | 230 | 433 | 8 |
| 8/14/2012 4:12:06 AM | 0.27 | 230 | 433 | 8 |
| 8/14/2012 4:13:06 AM | 0.27 | 230 | 434 | 8 |
| 8/14/2012 4:14:06 AM | 0.28 | 230 | 435 | 8 |
| 8/14/2012 4:15:06 AM | 0.27 | 229 | 434 | 8 |
| 8/14/2012 4:16:06 AM | 0.27 | 229 | 435 | 8 |
| 8/14/2012 4:17:06 AM | 0.27 | 229 | 433 | 8 |
| 8/14/2012 4:18:06 AM | 0.28 | 229 | 433 | 8 |
| 8/14/2012 4:19:06 AM | 0.27 | 229 | 432 | 8 |
| 8/14/2012 4:20:06 AM | 0.27 | 229 | 432 | 8 |
| 8/14/2012 4:21:06 AM | 0.28 | 229 | 433 | 8 |
| 8/14/2012 4:22:06 AM | 0.27 | 230 | 432 | 8 |
| 8/14/2012 4:23:06 AM | 0.27 | 230 | 434 | 8 |
| 8/14/2012 4:24:06 AM | 0.27 | 230 | 435 | 7 |
| 8/14/2012 4:25:06 AM | 0.27 | 231 | 435 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 4:26:06 AM | 0.27 | 232 | 436 | 7 |
| 8/14/2012 4:27:06 AM | 0.27 | 232 | 434 | 7 |
| 8/14/2012 4:28:06 AM | 0.27 | 232 | 433 | 7 |
| 8/14/2012 4:29:06 AM | 0.27 | 232 | 432 | 7 |
| 8/14/2012 4:30:06 AM | 0.27 | 232 | 432 | 7 |
| 8/14/2012 4:31:06 AM | 0.27 | 232 | 432 | 7 |
| 8/14/2012 4:32:06 AM | 0.27 | 232 | 432 | 7 |
| 8/14/2012 4:33:06 AM | 0.27 | 232 | 432 | 7 |
| 8/14/2012 4:34:06 AM | 0.27 | 232 | 432 | 7 |
| 8/14/2012 4:35:06 AM | 0.28 | 232 | 432 | 7 |
| 8/14/2012 4:36:06 AM | 0.27 | 232 | 432 | 7 |
| 8/14/2012 4:37:06 AM | 0.27 | 231 | 432 | 7 |
| 8/14/2012 4:38:06 AM | 0.27 | 230 | 432 | 7 |
| 8/14/2012 4:39:06 AM | 0.27 | 230 | 432 | 7 |
| 8/14/2012 4:40:06 AM | 0.27 | 231 | 433 | 7 |
| 8/14/2012 4:41:06 AM | 0.28 | 231 | 433 | 8 |
| 8/14/2012 4:42:06 AM | 0.27 | 232 | 433 | 8 |
| 8/14/2012 4:43:06 AM | 0.27 | 232 | 432 | 8 |
| 8/14/2012 4:44:06 AM | 0.27 | 232 | 430 | 8 |
| 8/14/2012 4:45:06 AM | 0.27 | 232 | 428 | 8 |
| 8/14/2012 4:46:06 AM | 0.27 | 232 | 427 | 8 |
| 8/14/2012 4:47:06 AM | 0.27 | 232 | 425 | 8 |
| 8/14/2012 4:48:06 AM | 0.27 | 232 | 423 | 8 |
| 8/14/2012 4:49:06 AM | 0.27 | 232 | 422 | 8 |
| 8/14/2012 4:50:06 AM | 0.27 | 232 | 421 | 8 |
| 8/14/2012 4:51:06 AM | 0.27 | 232 | 419 | 8 |
| 8/14/2012 4:52:06 AM | 0.27 | 232 | 418 | 8 |
| 8/14/2012 4:53:06 AM | 0.27 | 232 | 417 | 8 |
| 8/14/2012 4:54:06 AM | 0.27 | 232 | 417 | 8 |
| 8/14/2012 4:55:06 AM | 0.28 | 232 | 416 | 8 |
| 8/14/2012 4:56:06 AM | 0.27 | 232 | 416 | 8 |
| 8/14/2012 4:57:06 AM | 0.27 | 232 | 417 | 8 |
| 8/14/2012 4:58:06 AM | 0.27 | 232 | 416 | 8 |
| 8/14/2012 4:59:06 AM | 0.27 | 232 | 417 | 8 |
| 8/14/2012 5:00:06 AM | 0.27 | 232 | 417 | 7 |
| 8/14/2012 5:01:06 AM | 0.27 | 232 | 417 | 7 |
| 8/14/2012 5:02:06 AM | 0.27 | 232 | 418 | 7 |
| 8/14/2012 5:03:06 AM | 0.27 | 232 | 418 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 5:04:06 AM | 0.27 | 232 | 419 | 7 |
| 8/14/2012 5:05:06 AM | 0.27 | 231 | 420 | 7 |
| 8/14/2012 5:06:06 AM | 0.27 | 231 | 421 | 7 |
| 8/14/2012 5:07:06 AM | 0.27 | 232 | 421 | 7 |
| 8/14/2012 5:08:06 AM | 0.27 | 232 | 422 | 7 |
| 8/14/2012 5:09:06 AM | 0.27 | 231 | 422 | 7 |
| 8/14/2012 5:10:06 AM | 0.27 | 231 | 423 | 7 |
| 8/14/2012 5:11:06 AM | 0.27 | 230 | 423 | 7 |
| 8/14/2012 5:12:06 AM | 0.27 | 230 | 423 | 7 |
| 8/14/2012 5:13:06 AM | 0.27 | 231 | 423 | 7 |
| 8/14/2012 5:14:06 AM | 0.27 | 231 | 422 | 7 |
| 8/14/2012 5:15:06 AM | 0.27 | 231 | 422 | 8 |
| 8/14/2012 5:16:06 AM | 0.27 | 231 | 422 | 8 |
| 8/14/2012 5:17:06 AM | 0.27 | 231 | 420 | 8 |
| 8/14/2012 5:18:06 AM | 0.27 | 231 | 418 | 8 |
| 8/14/2012 5:19:06 AM | 0.27 | 231 | 417 | 8 |
| 8/14/2012 5:20:06 AM | 0.27 | 231 | 417 | 8 |
| 8/14/2012 5:21:06 AM | 0.27 | 231 | 417 | 8 |
| 8/14/2012 5:22:06 AM | 0.27 | 231 | 417 | 8 |
| 8/14/2012 5:23:06 AM | 0.28 | 231 | 420 | 8 |
| 8/14/2012 5:24:06 AM | 0.28 | 230 | 418 | 8 |
| 8/14/2012 5:25:06 AM | 0.28 | 229 | 419 | 8 |
| 8/14/2012 5:26:06 AM | 0.28 | 229 | 418 | 8 |
| 8/14/2012 5:27:06 AM | 0.27 | 229 | 417 | 8 |
| 8/14/2012 5:28:06 AM | 0.27 | 229 | 418 | 8 |
| 8/14/2012 5:29:06 AM | 0.28 | 229 | 418 | 8 |
| 8/14/2012 5:30:06 AM | 0.27 | 229 | 418 | 7 |
| 8/14/2012 5:31:06 AM | 0.28 | 230 | 418 | 7 |
| 8/14/2012 5:32:06 AM | 0.27 | 230 | 418 | 7 |
| 8/14/2012 5:33:06 AM | 0.28 | 230 | 419 | 7 |
| 8/14/2012 5:34:06 AM | 0.27 | 230 | 420 | 7 |
| 8/14/2012 5:35:06 AM | 0.27 | 230 | 421 | 7 |
| 8/14/2012 5:36:06 AM | 0.27 | 231 | 422 | 7 |
| 8/14/2012 5:37:06 AM | 0.27 | 231 | 424 | 7 |
| 8/14/2012 5:38:06 AM | 0.27 | 231 | 425 | 7 |
| 8/14/2012 5:39:06 AM | 0.27 | 230 | 426 | 7 |
| 8/14/2012 5:40:06 AM | 0.27 | 230 | 427 | 7 |
| 8/14/2012 5:41:06 AM | 0.27 | 230 | 427 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 5:42:06 AM | 0.27 | 230 | 427 | 7 |
| 8/14/2012 5:43:06 AM | 0.27 | 230 | 428 | 7 |
| 8/14/2012 5:44:06 AM | 0.27 | 230 | 428 | 7 |
| 8/14/2012 5:45:06 AM | 0.27 | 231 | 429 | 7 |
| 8/14/2012 5:46:06 AM | 0.28 | 231 | 429 | 7 |
| 8/14/2012 5:47:06 AM | 0.27 | 231 | 429 | 7 |
| 8/14/2012 5:48:06 AM | 0.27 | 231 | 428 | 8 |
| 8/14/2012 5:49:06 AM | 0.27 | 231 | 428 | 8 |
| 8/14/2012 5:50:06 AM | 0.27 | 231 | 427 | 8 |
| 8/14/2012 5:51:06 AM | 0.27 | 231 | 428 | 8 |
| 8/14/2012 5:52:06 AM | 0.27 | 231 | 427 | 8 |
| 8/14/2012 5:53:06 AM | 0.27 | 231 | 427 | 8 |
| 8/14/2012 5:54:06 AM | 0.27 | 231 | 427 | 8 |
| 8/14/2012 5:55:06 AM | 0.27 | 231 | 427 | 8 |
| 8/14/2012 5:56:06 AM | 0.27 | 231 | 427 | 8 |
| 8/14/2012 5:57:06 AM | 0.27 | 231 | 427 | 8 |
| 8/14/2012 5:58:06 AM | 0.27 | 231 | 431 | 8 |
| 8/14/2012 5:59:06 AM | 0.27 | 232 | 432 | 8 |
| 8/14/2012 6:00:06 AM | 0.27 | 232 | 431 | 8 |
| 8/14/2012 6:01:06 AM | 0.27 | 231 | 431 | 8 |
| 8/14/2012 6:02:06 AM | 0.27 | 231 | 431 | 8 |
| 8/14/2012 6:03:06 AM | 0.27 | 231 | 430 | 8 |
| 8/14/2012 6:04:06 AM | 0.27 | 230 | 427 | 8 |
| 8/14/2012 6:05:06 AM | 0.27 | 229 | 426 | 8 |
| 8/14/2012 6:06:06 AM | 0.27 | 229 | 423 | 8 |
| 8/14/2012 6:07:06 AM | 0.27 | 229 | 421 | 8 |
| 8/14/2012 6:08:06 AM | 0.27 | 228 | 419 | 8 |
| 8/14/2012 6:09:06 AM | 0.27 | 228 | 417 | 7 |
| 8/14/2012 6:10:06 AM | 0.27 | 228 | 417 | 7 |
| 8/14/2012 6:11:06 AM | 0.27 | 228 | 416 | 7 |
| 8/14/2012 6:12:06 AM | 0.27 | 228 | 416 | 7 |
| 8/14/2012 6:13:06 AM | 0.27 | 228 | 414 | 7 |
| 8/14/2012 6:14:06 AM | 0.27 | 228 | 414 | 7 |
| 8/14/2012 6:15:06 AM | 0.27 | 227 | 412 | 7 |
| 8/14/2012 6:16:06 AM | 0.27 | 227 | 413 | 7 |
| 8/14/2012 6:17:06 AM | 0.27 | 226 | 412 | 7 |
| 8/14/2012 6:18:06 AM | 0.28 | 227 | 413 | 7 |
| 8/14/2012 6:19:06 AM | 0.27 | 226 | 413 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 6:20:06 AM | 0.27 | 227 | 413 | 7 |
| 8/14/2012 6:21:06 AM | 0.27 | 228 | 414 | 7 |
| 8/14/2012 6:22:06 AM | 0.27 | 228 | 415 | 7 |
| 8/14/2012 6:23:06 AM | 0.27 | 229 | 416 | 7 |
| 8/14/2012 6:24:06 AM | 0.28 | 230 | 414 | 7 |
| 8/14/2012 6:25:06 AM | 0.27 | 231 | 417 | 7 |
| 8/14/2012 6:26:06 AM | 0.27 | 231 | 415 | 7 |
| 8/14/2012 6:27:06 AM | 0.27 | 232 | 416 | 8 |
| 8/14/2012 6:28:06 AM | 0.27 | 232 | 416 | 8 |
| 8/14/2012 6:29:06 AM | 0.27 | 232 | 414 | 8 |
| 8/14/2012 6:30:06 AM | 0.27 | 233 | 415 | 8 |
| 8/14/2012 6:31:06 AM | 0.27 | 232 | 414 | 8 |
| 8/14/2012 6:32:06 AM | 0.27 | 232 | 415 | 8 |
| 8/14/2012 6:33:06 AM | 0.28 | 232 | 415 | 8 |
| 8/14/2012 6:34:06 AM | 0.27 | 232 | 415 | 8 |
| 8/14/2012 6:35:06 AM | 0.27 | 232 | 416 | 8 |
| 8/14/2012 6:36:06 AM | 0.27 | 232 | 417 | 8 |
| 8/14/2012 6:37:06 AM | 0.27 | 232 | 418 | 8 |
| 8/14/2012 6:38:06 AM | 0.27 | 232 | 418 | 8 |
| 8/14/2012 6:39:06 AM | 0.27 | 232 | 417 | 8 |
| 8/14/2012 6:40:06 AM | 0.27 | 232 | 415 | 8 |
| 8/14/2012 6:41:06 AM | 0.27 | 232 | 415 | 8 |
| 8/14/2012 6:42:06 AM | 0.27 | 232 | 415 | 7 |
| 8/14/2012 6:43:06 AM | 0.27 | 232 | 414 | 7 |
| 8/14/2012 6:44:06 AM | 0.27 | 232 | 415 | 7 |
| 8/14/2012 6:45:06 AM | 0.27 | 231 | 414 | 7 |
| 8/14/2012 6:46:06 AM | 0.27 | 231 | 414 | 7 |
| 8/14/2012 6:47:06 AM | 0.27 | 231 | 414 | 7 |
| 8/14/2012 6:48:06 AM | 0.27 | 231 | 414 | 7 |
| 8/14/2012 6:49:06 AM | 0.28 | 231 | 415 | 7 |
| 8/14/2012 6:50:06 AM | 0.27 | 231 | 416 | 7 |
| 8/14/2012 6:51:06 AM | 0.27 | 231 | 418 | 7 |
| 8/14/2012 6:52:06 AM | 0.28 | 231 | 419 | 7 |
| 8/14/2012 6:53:06 AM | 0.28 | 232 | 419 | 7 |
| 8/14/2012 6:54:06 AM | 0.28 | 232 | 419 | 7 |
| 8/14/2012 6:55:06 AM | 0.27 | 232 | 422 | 7 |
| 8/14/2012 6:56:06 AM | 0.27 | 231 | 422 | 7 |
| 8/14/2012 6:57:06 AM | 0.27 | 231 | 422 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 6:58:06 AM | 0.27 | 231 | 422 | 7 |
| 8/14/2012 6:59:06 AM | 0.27 | 231 | 424 | 7 |
| 8/14/2012 7:00:06 AM | 0.27 | 231 | 424 | 7 |
| 8/14/2012 7:01:06 AM | 0.27 | 230 | 425 | 7 |
| 8/14/2012 7:02:06 AM | 0.27 | 231 | 426 | 7 |
| 8/14/2012 7:03:06 AM | 0.28 | 231 | 425 | 7 |
| 8/14/2012 7:04:06 AM | 0.27 | 231 | 424 | 7 |
| 8/14/2012 7:05:06 AM | 0.28 | 230 | 424 | 7 |
| 8/14/2012 7:06:06 AM | 0.27 | 230 | 425 | 8 |
| 8/14/2012 7:07:06 AM | 0.27 | 230 | 425 | 8 |
| 8/14/2012 7:08:06 AM | 0.27 | 230 | 423 | 8 |
| 8/14/2012 7:09:06 AM | 0.27 | 232 | 422 | 7 |
| 8/14/2012 7:10:06 AM | 0.27 | 231 | 420 | 7 |
| 8/14/2012 7:11:06 AM | 0.27 | 232 | 420 | 8 |
| 8/14/2012 7:12:06 AM | 0.28 | 232 | 420 | 8 |
| 8/14/2012 7:13:06 AM | 0.27 | 232 | 423 | 8 |
| 8/14/2012 7:14:06 AM | 0.27 | 232 | 425 | 8 |
| 8/14/2012 7:15:06 AM | 0.27 | 232 | 427 | 8 |
| 8/14/2012 7:16:06 AM | 0.27 | 232 | 428 | 8 |
| 8/14/2012 7:17:06 AM | 0.28 | 233 | 427 | 8 |
| 8/14/2012 7:18:06 AM | 0.28 | 233 | 426 | 7 |
| 8/14/2012 7:19:06 AM | 0.28 | 234 | 426 | 7 |
| 8/14/2012 7:20:06 AM | 0.28 | 233 | 425 | 7 |
| 8/14/2012 7:21:06 AM | 0.28 | 233 | 423 | 7 |
| 8/14/2012 7:22:06 AM | 0.27 | 233 | 423 | 7 |
| 8/14/2012 7:23:06 AM | 0.28 | 233 | 422 | 7 |
| 8/14/2012 7:24:06 AM | 0.27 | 233 | 420 | 7 |
| 8/14/2012 7:25:06 AM | 0.27 | 232 | 418 | 7 |
| 8/14/2012 7:26:06 AM | 0.27 | 232 | 417 | 7 |
| 8/14/2012 7:27:06 AM | 0.27 | 231 | 415 | 7 |
| 8/14/2012 7:28:06 AM | 0.27 | 232 | 414 | 7 |
| 8/14/2012 7:29:06 AM | 0.27 | 231 | 414 | 7 |
| 8/14/2012 7:30:06 AM | 0.27 | 231 | 414 | 7 |
| 8/14/2012 7:31:06 AM | 0.27 | 232 | 413 | 7 |
| 8/14/2012 7:32:06 AM | 0.27 | 232 | 413 | 7 |
| 8/14/2012 7:33:06 AM | 0.27 | 232 | 416 | 7 |
| 8/14/2012 7:34:06 AM | 0.27 | 233 | 418 | 7 |
| 8/14/2012 7:35:06 AM | 0.27 | 233 | 419 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 7:36:06 AM | 0.27 | 233 | 420 | 7 |
| 8/14/2012 7:37:06 AM | 0.27 | 233 | 423 | 7 |
| 8/14/2012 7:38:06 AM | 0.27 | 233 | 424 | 7 |
| 8/14/2012 7:39:06 AM | 0.27 | 233 | 425 | 7 |
| 8/14/2012 7:40:06 AM | 0.28 | 233 | 427 | 7 |
| 8/14/2012 7:41:06 AM | 0.28 | 233 | 429 | 7 |
| 8/14/2012 7:42:06 AM | 0.27 | 233 | 430 | 7 |
| 8/14/2012 7:43:06 AM | 0.27 | 233 | 431 | 7 |
| 8/14/2012 7:44:06 AM | 0.28 | 232 | 432 | 7 |
| 8/14/2012 7:45:06 AM | 0.27 | 232 | 434 | 7 |
| 8/14/2012 7:46:06 AM | 0.27 | 231 | 433 | 7 |
| 8/14/2012 7:47:06 AM | 0.28 | 231 | 432 | 7 |
| 8/14/2012 7:48:06 AM | 0.28 | 230 | 432 | 7 |
| 8/14/2012 7:49:06 AM | 0.28 | 229 | 430 | 7 |
| 8/14/2012 7:50:06 AM | 0.27 | 229 | 428 | 7 |
| 8/14/2012 7:51:06 AM | 0.28 | 228 | 428 | 7 |
| 8/14/2012 7:52:06 AM | 0.28 | 227 | 426 | 7 |
| 8/14/2012 7:53:06 AM | 0.27 | 227 | 426 | 7 |
| 8/14/2012 7:54:06 AM | 0.28 | 228 | 426 | 8 |
| 8/14/2012 7:55:06 AM | 0.28 | 227 | 424 | 8 |
| 8/14/2012 7:56:06 AM | 0.28 | 227 | 425 | 8 |
| 8/14/2012 7:57:06 AM | 0.27 | 228 | 423 | 7 |
| 8/14/2012 7:58:06 AM | 0.28 | 228 | 422 | 7 |
| 8/14/2012 7:59:06 AM | 0.27 | 228 | 422 | 7 |
| 8/14/2012 8:00:06 AM | 0.28 | 229 | 422 | 7 |
| 8/14/2012 8:01:06 AM | 0.28 | 229 | 422 | 7 |
| 8/14/2012 8:02:06 AM | 0.27 | 229 | 422 | 7 |
| 8/14/2012 8:03:06 AM | 0.28 | 229 | 422 | 7 |
| 8/14/2012 8:04:06 AM | 0.28 | 229 | 423 | 7 |
| 8/14/2012 8:05:06 AM | 0.28 | 229 | 423 | 7 |
| 8/14/2012 8:06:06 AM | 0.28 | 229 | 423 | 7 |
| 8/14/2012 8:07:06 AM | 0.27 | 228 | 423 | 7 |
| 8/14/2012 8:08:06 AM | 0.27 | 228 | 424 | 7 |
| 8/14/2012 8:09:06 AM | 0.27 | 228 | 425 | 7 |
| 8/14/2012 8:10:06 AM | 0.28 | 228 | 425 | 7 |
| 8/14/2012 8:11:06 AM | 0.27 | 228 | 426 | 7 |
| 8/14/2012 8:12:06 AM | 0.27 | 229 | 425 | 7 |
| 8/14/2012 8:13:06 AM | 0.27 | 229 | 427 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 8:14:06 AM | 0.28 | 229 | 427 | 7 |
| 8/14/2012 8:15:06 AM | 0.27 | 229 | 427 | 7 |
| 8/14/2012 8:16:06 AM | 0.27 | 229 | 427 | 7 |
| 8/14/2012 8:17:06 AM | 0.27 | 230 | 427 | 7 |
| 8/14/2012 8:18:06 AM | 0.27 | 230 | 427 | 7 |
| 8/14/2012 8:19:06 AM | 0.27 | 231 | 428 | 7 |
| 8/14/2012 8:20:06 AM | 0.27 | 231 | 427 | 7 |
| 8/14/2012 8:21:06 AM | 0.27 | 230 | 428 | 7 |
| 8/14/2012 8:22:06 AM | 0.27 | 230 | 427 | 7 |
| 8/14/2012 8:23:06 AM | 0.27 | 229 | 427 | 7 |
| 8/14/2012 8:24:06 AM | 0.27 | 229 | 427 | 7 |
| 8/14/2012 8:25:06 AM | 0.27 | 230 | 423 | 7 |
| 8/14/2012 8:26:06 AM | 0.27 | 231 | 423 | 7 |
| 8/14/2012 8:27:06 AM | 0.27 | 230 | 423 | 7 |
| 8/14/2012 8:28:06 AM | 0.27 | 231 | 423 | 7 |
| 8/14/2012 8:29:06 AM | 0.28 | 232 | 424 | 7 |
| 8/14/2012 8:30:06 AM | 0.28 | 232 | 426 | 7 |
| 8/14/2012 8:31:06 AM | 0.27 | 232 | 427 | 7 |
| 8/14/2012 8:32:06 AM | 0.27 | 232 | 426 | 7 |
| 8/14/2012 8:33:06 AM | 0.28 | 232 | 425 | 7 |
| 8/14/2012 8:34:06 AM | 0.28 | 231 | 426 | 7 |
| 8/14/2012 8:35:06 AM | 0.28 | 231 | 424 | 7 |
| 8/14/2012 8:36:06 AM | 0.28 | 231 | 423 | 7 |
| 8/14/2012 8:37:06 AM | 0.27 | 232 | 423 | 7 |
| 8/14/2012 8:38:06 AM | 0.28 | 232 | 423 | 7 |
| 8/14/2012 8:39:06 AM | 0.28 | 233 | 424 | 7 |
| 8/14/2012 8:40:06 AM | 0.28 | 233 | 423 | 7 |
| 8/14/2012 8:41:06 AM | 0.28 | 233 | 424 | 7 |
| 8/14/2012 8:42:06 AM | 0.28 | 233 | 424 | 7 |
| 8/14/2012 8:43:06 AM | 0.28 | 232 | 423 | 7 |
| 8/14/2012 8:44:06 AM | 0.28 | 232 | 423 | 7 |
| 8/14/2012 8:45:06 AM | 0.28 | 232 | 423 | 7 |
| 8/14/2012 8:46:06 AM | 0.28 | 232 | 422 | 7 |
| 8/14/2012 8:47:06 AM | 0.28 | 232 | 421 | 7 |
| 8/14/2012 8:48:06 AM | 0.28 | 232 | 421 | 7 |
| 8/14/2012 8:49:06 AM | 0.27 | 232 | 421 | 7 |
| 8/14/2012 8:50:06 AM | 0.28 | 233 | 420 | 7 |
| 8/14/2012 8:51:06 AM | 0.28 | 232 | 420 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 8:52:06 AM | 0.28 | 232 | 420 | 6 |
| 8/14/2012 8:53:06 AM | 0.27 | 232 | 422 | 7 |
| 8/14/2012 8:54:06 AM | 0.28 | 233 | 421 | 7 |
| 8/14/2012 8:55:06 AM | 0.28 | 233 | 421 | 7 |
| 8/14/2012 8:56:06 AM | 0.28 | 233 | 421 | 7 |
| 8/14/2012 8:57:06 AM | 0.28 | 233 | 421 | 7 |
| 8/14/2012 8:58:06 AM | 0.28 | 233 | 422 | 7 |
| 8/14/2012 8:59:06 AM | 0.27 | 233 | 422 | 7 |
| 8/14/2012 9:00:06 AM | 0.28 | 233 | 421 | 6 |
| 8/14/2012 9:01:06 AM | 0.28 | 234 | 422 | 6 |
| 8/14/2012 9:02:06 AM | 0.27 | 233 | 421 | 6 |
| 8/14/2012 9:03:06 AM | 0.28 | 233 | 420 | 6 |
| 8/14/2012 9:04:06 AM | 0.28 | 233 | 420 | 6 |
| 8/14/2012 9:05:06 AM | 0.28 | 233 | 420 | 6 |
| 8/14/2012 9:06:06 AM | 0.27 | 233 | 419 | 6 |
| 8/14/2012 9:07:06 AM | 0.28 | 233 | 419 | 6 |
| 8/14/2012 9:08:06 AM | 0.27 | 233 | 419 | 6 |
| 8/14/2012 9:09:06 AM | 0.28 | 234 | 419 | 6 |
| 8/14/2012 9:10:06 AM | 0.27 | 234 | 419 | 6 |
| 8/14/2012 9:11:06 AM | 0.27 | 234 | 421 | 6 |
| 8/14/2012 9:12:06 AM | 0.27 | 233 | 420 | 6 |
| 8/14/2012 9:13:06 AM | 0.27 | 234 | 418 | 6 |
| 8/14/2012 9:14:06 AM | 0.27 | 235 | 419 | 6 |
| 8/14/2012 9:15:06 AM | 0.27 | 236 | 421 | 6 |
| 8/14/2012 9:16:06 AM | 0.27 | 237 | 422 | 6 |
| 8/14/2012 9:17:06 AM | 0.27 | 237 | 422 | 6 |
| 8/14/2012 9:18:06 AM | 0.27 | 237 | 424 | 6 |
| 8/14/2012 9:19:06 AM | 0.26 | 237 | 426 | 6 |
| 8/14/2012 9:20:06 AM | 0.28 | 236 | 427 | 6 |
| 8/14/2012 9:21:06 AM | 0.27 | 236 | 428 | 6 |
| 8/14/2012 9:22:06 AM | 0.27 | 236 | 428 | 6 |
| 8/14/2012 9:23:06 AM | 0.27 | 237 | 428 | 6 |
| 8/14/2012 9:24:06 AM | 0.27 | 237 | 429 | 6 |
| 8/14/2012 9:25:06 AM | 0.27 | 238 | 429 | 6 |
| 8/14/2012 9:26:06 AM | 0.27 | 238 | 430 | 6 |
| 8/14/2012 9:27:06 AM | 0.28 | 238 | 431 | 6 |
| 8/14/2012 9:28:06 AM | 0.28 | 238 | 431 | 6 |
| 8/14/2012 9:29:06 AM | 0.28 | 238 | 432 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 9:30:06 AM | 0.28 | 238 | 432 | 6 |
| 8/14/2012 9:31:06 AM | 0.28 | 237 | 431 | 6 |
| 8/14/2012 9:32:06 AM | 0.27 | 236 | 431 | 6 |
| 8/14/2012 9:33:06 AM | 0.28 | 235 | 429 | 6 |
| 8/14/2012 9:34:06 AM | 0.27 | 236 | 428 | 6 |
| 8/14/2012 9:35:06 AM | 0.28 | 236 | 427 | 6 |
| 8/14/2012 9:36:06 AM | 0.28 | 236 | 428 | 6 |
| 8/14/2012 9:37:06 AM | 0.27 | 236 | 427 | 6 |
| 8/14/2012 9:38:06 AM | 0.27 | 236 | 427 | 6 |
| 8/14/2012 9:39:06 AM | 0.28 | 237 | 427 | 6 |
| 8/14/2012 9:40:06 AM | 0.27 | 237 | 428 | 6 |
| 8/14/2012 9:41:06 AM | 0.28 | 237 | 428 | 6 |
| 8/14/2012 9:42:06 AM | 0.27 | 237 | 429 | 6 |
| 8/14/2012 9:43:06 AM | 0.27 | 238 | 429 | 6 |
| 8/14/2012 9:44:06 AM | 0.28 | 237 | 432 | 6 |
| 8/14/2012 9:45:06 AM | 0.27 | 237 | 433 | 6 |
| 8/14/2012 9:46:06 AM | 0.27 | 237 | 433 | 6 |
| 8/14/2012 9:47:06 AM | 0.27 | 236 | 433 | 6 |
| 8/14/2012 9:48:06 AM | 0.27 | 236 | 432 | 6 |
| 8/14/2012 9:49:06 AM | 0.27 | 237 | 432 | 6 |
| 8/14/2012 9:50:06 AM | 0.27 | 238 | 432 | 6 |
| 8/14/2012 9:51:06 AM | 0.27 | 239 | 433 | 6 |
| 8/14/2012 9:52:06 AM | 0.27 | 240 | 435 | 6 |
| 8/14/2012 9:53:06 AM | 0.27 | 241 | 436 | 6 |
| 8/14/2012 9:54:06 AM | 0.27 | 240 | 437 | 6 |
| 8/14/2012 9:55:06 AM | 0.27 | 240 | 438 | 6 |
| 8/14/2012 9:56:06 AM | 0.28 | 239 | 437 | 6 |
| 8/14/2012 9:57:06 AM | 0.27 | 238 | 438 | 6 |
| 8/14/2012 9:58:06 AM | 0.27 | 238 | 437 | 6 |
| 8/14/2012 9:59:06 AM | 0.27 | 237 | 437 | 6 |
| 8/14/2012 10:00:06 AM | 0.27 | 237 | 437 | 6 |
| 8/14/2012 10:01:06 AM | 0.27 | 237 | 436 | 6 |
| 8/14/2012 10:02:06 AM | 0.27 | 237 | 436 | 6 |
| 8/14/2012 10:03:06 AM | 0.27 | 237 | 434 | 6 |
| 8/14/2012 10:04:06 AM | 0.27 | 237 | 435 | 6 |
| 8/14/2012 10:05:06 AM | 0.28 | 236 | 433 | 6 |
| 8/14/2012 10:06:06 AM | 0.28 | 236 | 432 | 6 |
| 8/14/2012 10:07:06 AM | 0.28 | 235 | 433 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 10:08:06 AM | 0.28 | 235 | 430 | 6 |
| 8/14/2012 10:09:06 AM | 0.27 | 235 | 430 | 6 |
| 8/14/2012 10:10:06 AM | 0.27 | 236 | 431 | 6 |
| 8/14/2012 10:11:06 AM | 0.27 | 235 | 431 | 6 |
| 8/14/2012 10:12:06 AM | 0.27 | 235 | 430 | 6 |
| 8/14/2012 10:13:06 AM | 0.27 | 236 | 431 | 6 |
| 8/14/2012 10:14:06 AM | 0.27 | 236 | 430 | 6 |
| 8/14/2012 10:15:06 AM | 0.27 | 236 | 430 | 6 |
| 8/14/2012 10:16:06 AM | 0.27 | 236 | 431 | 6 |
| 8/14/2012 10:17:06 AM | 0.27 | 237 | 432 | 6 |
| 8/14/2012 10:18:06 AM | 0.27 | 237 | 432 | 6 |
| 8/14/2012 10:19:06 AM | 0.27 | 237 | 432 | 6 |
| 8/14/2012 10:20:06 AM | 0.28 | 237 | 432 | 6 |
| 8/14/2012 10:21:06 AM | 0.27 | 237 | 432 | 6 |
| 8/14/2012 10:22:06 AM | 0.27 | 237 | 432 | 6 |
| 8/14/2012 10:23:06 AM | 0.27 | 237 | 433 | 6 |
| 8/14/2012 10:24:06 AM | 0.27 | 236 | 430 | 6 |
| 8/14/2012 10:25:06 AM | 0.27 | 236 | 430 | 6 |
| 8/14/2012 10:26:06 AM | 0.28 | 236 | 430 | 6 |
| 8/14/2012 10:27:06 AM | 0.28 | 236 | 431 | 6 |
| 8/14/2012 10:28:06 AM | 0.27 | 236 | 431 | 6 |
| 8/14/2012 10:29:06 AM | 0.27 | 236 | 433 | 6 |
| 8/14/2012 10:30:06 AM | 0.28 | 235 | 431 | 6 |
| 8/14/2012 10:31:06 AM | 0.27 | 234 | 432 | 6 |
| 8/14/2012 10:32:06 AM | 0.27 | 233 | 429 | 6 |
| 8/14/2012 10:33:06 AM | 0.27 | 232 | 428 | 6 |
| 8/14/2012 10:34:06 AM | 0.27 | 233 | 428 | 6 |
| 8/14/2012 10:35:06 AM | 0.27 | 233 | 429 | 6 |
| 8/14/2012 10:36:06 AM | 0.27 | 233 | 429 | 6 |
| 8/14/2012 10:37:06 AM | 0.27 | 233 | 427 | 6 |
| 8/14/2012 10:38:06 AM | 0.27 | 233 | 428 | 6 |
| 8/14/2012 10:39:06 AM | 0.27 | 233 | 427 | 6 |
| 8/14/2012 10:40:06 AM | 0.27 | 233 | 428 | 6 |
| 8/14/2012 10:41:06 AM | 0.27 | 233 | 429 | 6 |
| 8/14/2012 10:42:06 AM | 0.27 | 234 | 431 | 6 |
| 8/14/2012 10:43:06 AM | 0.27 | 234 | 432 | 6 |
| 8/14/2012 10:44:06 AM | 0.27 | 234 | 433 | 6 |
| 8/14/2012 10:45:06 AM | 0.27 | 234 | 434 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 10:46:06 AM | 0.27 | 234 | 434 | 6 |
| 8/14/2012 10:47:06 AM | 0.27 | 235 | 434 | 6 |
| 8/14/2012 10:48:06 AM | 0.27 | 236 | 434 | 6 |
| 8/14/2012 10:49:06 AM | 0.27 | 236 | 436 | 6 |
| 8/14/2012 10:50:06 AM | 0.27 | 236 | 436 | 6 |
| 8/14/2012 10:51:06 AM | 0.27 | 236 | 437 | 6 |
| 8/14/2012 10:52:06 AM | 0.27 | 236 | 437 | 6 |
| 8/14/2012 10:53:06 AM | 0.27 | 237 | 439 | 6 |
| 8/14/2012 10:54:06 AM | 0.27 | 237 | 439 | 6 |
| 8/14/2012 10:55:06 AM | 0.27 | 236 | 441 | 6 |
| 8/14/2012 10:56:06 AM | 0.27 | 236 | 441 | 6 |
| 8/14/2012 10:57:06 AM | 0.27 | 237 | 440 | 6 |
| 8/14/2012 10:58:06 AM | 0.27 | 237 | 439 | 6 |
| 8/14/2012 10:59:06 AM | 0.27 | 237 | 438 | 6 |
| 8/14/2012 11:00:06 AM | 0.27 | 239 | 439 | 6 |
| 8/14/2012 11:01:06 AM | 0.27 | 240 | 440 | 6 |
| 8/14/2012 11:02:06 AM | 0.27 | 240 | 443 | 6 |
| 8/14/2012 11:03:06 AM | 0.26 | 240 | 443 | 6 |
| 8/14/2012 11:04:06 AM | 0.27 | 239 | 444 | 6 |
| 8/14/2012 11:05:06 AM | 0.27 | 239 | 444 | 6 |
| 8/14/2012 11:06:06 AM | 0.27 | 238 | 443 | 6 |
| 8/14/2012 11:07:06 AM | 0.27 | 237 | 442 | 6 |
| 8/14/2012 11:08:06 AM | 0.27 | 237 | 441 | 6 |
| 8/14/2012 11:09:06 AM | 0.27 | 237 | 441 | 6 |
| 8/14/2012 11:10:06 AM | 0.27 | 237 | 440 | 6 |
| 8/14/2012 11:11:06 AM | 0.27 | 237 | 442 | 6 |
| 8/14/2012 11:12:06 AM | 0.27 | 237 | 443 | 6 |
| 8/14/2012 11:13:06 AM | 0.27 | 238 | 443 | 6 |
| 8/14/2012 11:14:06 AM | 0.27 | 237 | 442 | 6 |
| 8/14/2012 11:15:06 AM | 0.27 | 236 | 439 | 6 |
| 8/14/2012 11:16:06 AM | 0.27 | 236 | 438 | 6 |
| 8/14/2012 11:17:06 AM | 0.27 | 236 | 437 | 6 |
| 8/14/2012 11:18:06 AM | 0.27 | 237 | 437 | 6 |
| 8/14/2012 11:19:06 AM | 0.27 | 238 | 438 | 6 |
| 8/14/2012 11:20:06 AM | 0.27 | 238 | 438 | 6 |
| 8/14/2012 11:21:06 AM | 0.28 | 238 | 438 | 6 |
| 8/14/2012 11:22:06 AM | 0.27 | 238 | 439 | 6 |
| 8/14/2012 11:23:06 AM | 0.28 | 237 | 439 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 11:24:06 AM | 0.27 | 237 | 441 | 6 |
| 8/14/2012 11:25:06 AM | 0.27 | 237 | 442 | 6 |
| 8/14/2012 11:26:06 AM | 0.27 | 237 | 442 | 6 |
| 8/14/2012 11:27:06 AM | 0.27 | 238 | 441 | 6 |
| 8/14/2012 11:28:06 AM | 0.27 | 238 | 443 | 6 |
| 8/14/2012 11:29:06 AM | 0.27 | 238 | 442 | 6 |
| 8/14/2012 11:30:06 AM | 0.27 | 237 | 442 | 6 |
| 8/14/2012 11:31:06 AM | 0.27 | 237 | 439 | 6 |
| 8/14/2012 11:32:06 AM | 0.27 | 236 | 437 | 6 |
| 8/14/2012 11:33:06 AM | 0.27 | 236 | 435 | 6 |
| 8/14/2012 11:34:06 AM | 0.27 | 237 | 432 | 6 |
| 8/14/2012 11:35:06 AM | 0.27 | 236 | 432 | 6 |
| 8/14/2012 11:36:06 AM | 0.27 | 236 | 434 | 6 |
| 8/14/2012 11:37:06 AM | 0.27 | 236 | 436 | 6 |
| 8/14/2012 11:38:06 AM | 0.27 | 236 | 436 | 6 |
| 8/14/2012 11:39:06 AM | 0.27 | 234 | 437 | 6 |
| 8/14/2012 11:40:06 AM | 0.27 | 233 | 437 | 6 |
| 8/14/2012 11:41:06 AM | 0.28 | 232 | 438 | 6 |
| 8/14/2012 11:42:06 AM | 0.27 | 232 | 438 | 6 |
| 8/14/2012 11:43:06 AM | 0.27 | 232 | 440 | 6 |
| 8/14/2012 11:44:06 AM | 0.28 | 232 | 442 | 6 |
| 8/14/2012 11:45:06 AM | 0.27 | 231 | 443 | 6 |
| 8/14/2012 11:46:06 AM | 0.27 | 231 | 443 | 6 |
| 8/14/2012 11:47:06 AM | 0.27 | 231 | 442 | 6 |
| 8/14/2012 11:48:06 AM | 0.27 | 231 | 442 | 6 |
| 8/14/2012 11:49:06 AM | 0.27 | 231 | 446 | 6 |
| 8/14/2012 11:50:06 AM | 0.27 | 232 | 448 | 6 |
| 8/14/2012 11:51:06 AM | 0.27 | 232 | 450 | 6 |
| 8/14/2012 11:52:06 AM | 0.27 | 232 | 451 | 6 |
| 8/14/2012 11:53:06 AM | 0.27 | 232 | 452 | 6 |
| 8/14/2012 11:54:06 AM | 0.27 | 233 | 451 | 6 |
| 8/14/2012 11:55:06 AM | 0.27 | 234 | 450 | 6 |
| 8/14/2012 11:56:06 AM | 0.27 | 236 | 450 | 6 |
| 8/14/2012 11:57:06 AM | 0.27 | 237 | 451 | 6 |
| 8/14/2012 11:58:06 AM | 0.27 | 237 | 454 | 6 |
| 8/14/2012 11:59:06 AM | 0.27 | 237 | 456 | 6 |
| 8/14/2012 12:00:06 PM | 0.27 | 235 | 455 | 6 |
| 8/14/2012 12:01:06 PM | 0.27 | 234 | 454 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 12:02:06 PM | 0.27 | 234 | 453 | 6 |
| 8/14/2012 12:03:06 PM | 0.28 | 233 | 452 | 6 |
| 8/14/2012 12:04:06 PM | 0.27 | 233 | 450 | 6 |
| 8/14/2012 12:05:06 PM | 0.27 | 233 | 447 | 6 |
| 8/14/2012 12:06:06 PM | 0.27 | 235 | 447 | 6 |
| 8/14/2012 12:07:06 PM | 0.27 | 237 | 446 | 6 |
| 8/14/2012 12:08:06 PM | 0.27 | 236 | 447 | 6 |
| 8/14/2012 12:09:06 PM | 0.27 | 235 | 448 | 6 |
| 8/14/2012 12:10:06 PM | 0.27 | 233 | 448 | 6 |
| 8/14/2012 12:11:06 PM | 0.27 | 233 | 448 | 6 |
| 8/14/2012 12:12:06 PM | 0.27 | 235 | 447 | 6 |
| 8/14/2012 12:13:06 PM | 0.27 | 235 | 449 | 6 |
| 8/14/2012 12:14:06 PM | 0.27 | 235 | 450 | 6 |
| 8/14/2012 12:15:06 PM | 0.27 | 234 | 451 | 6 |
| 8/14/2012 12:16:06 PM | 0.28 | 234 | 451 | 6 |
| 8/14/2012 12:17:06 PM | 0.28 | 233 | 451 | 6 |
| 8/14/2012 12:18:06 PM | 0.28 | 231 | 452 | 6 |
| 8/14/2012 12:19:06 PM | 0.28 | 231 | 451 | 6 |
| 8/14/2012 12:20:06 PM | 0.27 | 233 | 447 | 6 |
| 8/14/2012 12:21:06 PM | 0.28 | 233 | 446 | 6 |
| 8/14/2012 12:22:06 PM | 0.27 | 232 | 443 | 6 |
| 8/14/2012 12:23:06 PM | 0.27 | 230 | 442 | 6 |
| 8/14/2012 12:24:06 PM | 0.28 | 230 | 439 | 6 |
| 8/14/2012 12:25:06 PM | 0.27 | 231 | 437 | 6 |
| 8/14/2012 12:26:06 PM | 0.27 | 232 | 437 | 6 |
| 8/14/2012 12:27:06 PM | 0.27 | 233 | 436 | 6 |
| 8/14/2012 12:28:06 PM | 0.27 | 234 | 436 | 6 |
| 8/14/2012 12:29:06 PM | 0.27 | 235 | 436 | 6 |
| 8/14/2012 12:30:06 PM | 0.27 | 237 | 437 | 6 |
| 8/14/2012 12:31:06 PM | 0.27 | 238 | 439 | 6 |
| 8/14/2012 12:32:06 PM | 0.27 | 238 | 442 | 6 |
| 8/14/2012 12:33:06 PM | 0.27 | 238 | 444 | 6 |
| 8/14/2012 12:34:06 PM | 0.28 | 237 | 443 | 6 |
| 8/14/2012 12:35:06 PM | 0.27 | 235 | 443 | 6 |
| 8/14/2012 12:36:06 PM | 0.28 | 235 | 444 | 6 |
| 8/14/2012 12:37:06 PM | 0.27 | 235 | 446 | 6 |
| 8/14/2012 12:38:06 PM | 0.27 | 235 | 446 | 6 |
| 8/14/2012 12:39:06 PM | 0.27 | 235 | 447 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 12:40:06 PM | 0.27 | 235 | 446 | 6 |
| 8/14/2012 12:41:06 PM | 0.27 | 234 | 446 | 6 |
| 8/14/2012 12:42:06 PM | 0.28 | 235 | 446 | 6 |
| 8/14/2012 12:43:06 PM | 0.27 | 235 | 448 | 6 |
| 8/14/2012 12:44:06 PM | 0.27 | 236 | 448 | 6 |
| 8/14/2012 12:45:06 PM | 0.27 | 235 | 448 | 6 |
| 8/14/2012 12:46:06 PM | 0.27 | 235 | 447 | 6 |
| 8/14/2012 12:47:06 PM | 0.27 | 235 | 447 | 6 |
| 8/14/2012 12:48:06 PM | 0.27 | 234 | 447 | 6 |
| 8/14/2012 12:49:06 PM | 0.27 | 233 | 445 | 6 |
| 8/14/2012 12:50:06 PM | 0.27 | 231 | 442 | 6 |
| 8/14/2012 12:51:06 PM | 0.28 | 232 | 442 | 6 |
| 8/14/2012 12:52:06 PM | 0.27 | 233 | 441 | 6 |
| 8/14/2012 12:53:06 PM | 0.27 | 232 | 439 | 6 |
| 8/14/2012 12:54:06 PM | 0.28 | 231 | 436 | 6 |
| 8/14/2012 12:55:06 PM | 0.28 | 232 | 436 | 6 |
| 8/14/2012 12:56:06 PM | 0.27 | 230 | 435 | 6 |
| 8/14/2012 12:57:06 PM | 0.27 | 228 | 435 | 6 |
| 8/14/2012 12:58:06 PM | 0.28 | 227 | 433 | 6 |
| 8/14/2012 12:59:06 PM | 0.28 | 227 | 435 | 6 |
| 8/14/2012 1:00:06 PM | 0.27 | 227 | 433 | 6 |
| 8/14/2012 1:01:06 PM | 0.27 | 227 | 431 | 6 |
| 8/14/2012 1:02:06 PM | 0.27 | 227 | 428 | 6 |
| 8/14/2012 1:03:06 PM | 0.27 | 227 | 428 | 6 |
| 8/14/2012 1:04:06 PM | 0.27 | 227 | 429 | 6 |
| 8/14/2012 1:05:06 PM | 0.28 | 227 | 430 | 6 |
| 8/14/2012 1:06:06 PM | 0.28 | 226 | 429 | 6 |
| 8/14/2012 1:07:06 PM | 0.28 | 224 | 427 | 6 |
| 8/14/2012 1:08:06 PM | 0.28 | 224 | 427 | 6 |
| 8/14/2012 1:09:06 PM | 0.28 | 224 | 426 | 6 |
| 8/14/2012 1:10:06 PM | 0.28 | 224 | 429 | 6 |
| 8/14/2012 1:11:06 PM | 0.28 | 225 | 427 | 6 |
| 8/14/2012 1:12:06 PM | 0.28 | 224 | 430 | 6 |
| 8/14/2012 1:13:06 PM | 0.27 | 223 | 429 | 6 |
| 8/14/2012 1:14:06 PM | 0.28 | 224 | 431 | 6 |
| 8/14/2012 1:15:06 PM | 0.28 | 223 | 432 | 6 |
| 8/14/2012 1:16:06 PM | 0.28 | 224 | 431 | 6 |
| 8/14/2012 1:17:06 PM | 0.28 | 223 | 431 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 1:18:06 PM | 0.28 | 223 | 433 | 6 |
| 8/14/2012 1:19:06 PM | 0.28 | 223 | 432 | 6 |
| 8/14/2012 1:20:06 PM | 0.28 | 223 | 433 | 6 |
| 8/14/2012 1:21:06 PM | 0.28 | 224 | 433 | 7 |
| 8/14/2012 1:22:06 PM | 0.27 | 224 | 432 | 7 |
| 8/14/2012 1:23:06 PM | 0.27 | 223 | 431 | 7 |
| 8/14/2012 1:24:06 PM | 0.28 | 224 | 429 | 7 |
| 8/14/2012 1:25:06 PM | 0.28 | 223 | 427 | 7 |
| 8/14/2012 1:26:06 PM | 0.28 | 223 | 429 | 7 |
| 8/14/2012 1:27:06 PM | 0.28 | 224 | 430 | 7 |
| 8/14/2012 1:28:06 PM | 0.28 | 224 | 432 | 7 |
| 8/14/2012 1:29:06 PM | 0.28 | 224 | 434 | 7 |
| 8/14/2012 1:30:06 PM | 0.28 | 224 | 434 | 7 |
| 8/14/2012 1:31:06 PM | 0.28 | 224 | 437 | 7 |
| 8/14/2012 1:32:06 PM | 0.28 | 224 | 436 | 7 |
| 8/14/2012 1:33:06 PM | 0.28 | 224 | 436 | 7 |
| 8/14/2012 1:34:06 PM | 0.28 | 224 | 436 | 7 |
| 8/14/2012 1:35:06 PM | 0.28 | 223 | 437 | 7 |
| 8/14/2012 1:36:06 PM | 0.28 | 224 | 436 | 7 |
| 8/14/2012 1:37:06 PM | 0.28 | 224 | 433 | 7 |
| 8/14/2012 1:38:06 PM | 0.28 | 224 | 431 | 7 |
| 8/14/2012 1:39:06 PM | 0.28 | 224 | 430 | 6 |
| 8/14/2012 1:40:06 PM | 0.27 | 224 | 428 | 6 |
| 8/14/2012 1:41:06 PM | 0.28 | 224 | 428 | 6 |
| 8/14/2012 1:42:06 PM | 0.28 | 224 | 427 | 6 |
| 8/14/2012 1:43:06 PM | 0.28 | 224 | 427 | 6 |
| 8/14/2012 1:44:06 PM | 0.28 | 223 | 426 | 6 |
| 8/14/2012 1:45:06 PM | 0.28 | 222 | 427 | 7 |
| 8/14/2012 1:46:06 PM | 0.28 | 223 | 427 | 7 |
| 8/14/2012 1:47:06 PM | 0.28 | 223 | 427 | 6 |
| 8/14/2012 1:48:06 PM | 0.28 | 225 | 427 | 6 |
| 8/14/2012 1:49:06 PM | 0.27 | 225 | 428 | 6 |
| 8/14/2012 1:50:06 PM | 0.28 | 224 | 430 | 6 |
| 8/14/2012 1:51:06 PM | 0.28 | 224 | 430 | 7 |
| 8/14/2012 1:52:06 PM | 0.28 | 224 | 428 | 7 |
| 8/14/2012 1:53:06 PM | 0.27 | 225 | 427 | 6 |
| 8/14/2012 1:54:06 PM | 0.28 | 225 | 427 | 6 |
| 8/14/2012 1:55:06 PM | 0.28 | 224 | 427 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 1:56:06 PM | 0.28 | 223 | 423 | 6 |
| 8/14/2012 1:57:06 PM | 0.28 | 223 | 422 | 6 |
| 8/14/2012 1:58:06 PM | 0.28 | 223 | 419 | 6 |
| 8/14/2012 1:59:06 PM | 0.28 | 224 | 419 | 6 |
| 8/14/2012 2:00:06 PM | 0.28 | 224 | 418 | 6 |
| 8/14/2012 2:01:06 PM | 0.27 | 222 | 418 | 6 |
| 8/14/2012 2:02:06 PM | 0.28 | 222 | 417 | 6 |
| 8/14/2012 2:03:06 PM | 0.28 | 222 | 418 | 6 |
| 8/14/2012 2:04:06 PM | 0.28 | 222 | 418 | 6 |
| 8/14/2012 2:05:06 PM | 0.28 | 220 | 417 | 6 |
| 8/14/2012 2:06:06 PM | 0.28 | 220 | 417 | 6 |
| 8/14/2012 2:07:06 PM | 0.27 | 220 | 417 | 6 |
| 8/14/2012 2:08:06 PM | 0.28 | 219 | 417 | 6 |
| 8/14/2012 2:09:06 PM | 0.28 | 219 | 417 | 6 |
| 8/14/2012 2:10:06 PM | 0.28 | 220 | 419 | 6 |
| 8/14/2012 2:11:06 PM | 0.28 | 220 | 417 | 6 |
| 8/14/2012 2:12:06 PM | 0.27 | 220 | 421 | 6 |
| 8/14/2012 2:13:06 PM | 0.27 | 220 | 422 | 6 |
| 8/14/2012 2:14:06 PM | 0.28 | 220 | 420 | 6 |
| 8/14/2012 2:15:06 PM | 0.28 | 219 | 422 | 6 |
| 8/14/2012 2:16:06 PM | 0.28 | 220 | 421 | 6 |
| 8/14/2012 2:17:06 PM | 0.28 | 221 | 422 | 6 |
| 8/14/2012 2:18:06 PM | 0.28 | 221 | 421 | 6 |
| 8/14/2012 2:19:06 PM | 0.28 | 222 | 422 | 6 |
| 8/14/2012 2:20:06 PM | 0.28 | 222 | 422 | 6 |
| 8/14/2012 2:21:06 PM | 0.28 | 222 | 422 | 6 |
| 8/14/2012 2:22:06 PM | 0.28 | 222 | 420 | 6 |
| 8/14/2012 2:23:06 PM | 0.28 | 222 | 420 | 6 |
| 8/14/2012 2:24:06 PM | 0.28 | 222 | 421 | 6 |
| 8/14/2012 2:25:06 PM | 0.28 | 222 | 421 | 6 |
| 8/14/2012 2:26:06 PM | 0.28 | 223 | 422 | 7 |
| 8/14/2012 2:27:06 PM | 0.27 | 225 | 422 | 7 |
| 8/14/2012 2:28:06 PM | 0.28 | 225 | 423 | 7 |
| 8/14/2012 2:29:06 PM | 0.27 | 226 | 423 | 7 |
| 8/14/2012 2:30:06 PM | 0.28 | 225 | 423 | 7 |
| 8/14/2012 2:31:06 PM | 0.28 | 224 | 423 | 7 |
| 8/14/2012 2:32:06 PM | 0.28 | 224 | 424 | 7 |
| 8/14/2012 2:33:06 PM | 0.27 | 223 | 425 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 2:34:06 PM | 0.28 | 223 | 423 | 7 |
| 8/14/2012 2:35:06 PM | 0.28 | 223 | 423 | 7 |
| 8/14/2012 2:36:06 PM | 0.28 | 224 | 423 | 7 |
| 8/14/2012 2:37:06 PM | 0.28 | 225 | 423 | 7 |
| 8/14/2012 2:38:06 PM | 0.28 | 223 | 423 | 7 |
| 8/14/2012 2:39:06 PM | 0.28 | 222 | 423 | 7 |
| 8/14/2012 2:40:06 PM | 0.28 | 223 | 421 | 7 |
| 8/14/2012 2:41:06 PM | 0.28 | 224 | 422 | 6 |
| 8/14/2012 2:42:06 PM | 0.28 | 223 | 421 | 6 |
| 8/14/2012 2:43:06 PM | 0.28 | 223 | 419 | 6 |
| 8/14/2012 2:44:06 PM | 0.28 | 223 | 419 | 6 |
| 8/14/2012 2:45:06 PM | 0.28 | 224 | 419 | 6 |
| 8/14/2012 2:46:06 PM | 0.27 | 225 | 421 | 6 |
| 8/14/2012 2:47:06 PM | 0.28 | 225 | 422 | 6 |
| 8/14/2012 2:48:06 PM | 0.28 | 224 | 421 | 6 |
| 8/14/2012 2:49:06 PM | 0.28 | 222 | 422 | 6 |
| 8/14/2012 2:50:06 PM | 0.28 | 220 | 421 | 6 |
| 8/14/2012 2:51:06 PM | 0.28 | 220 | 422 | 6 |
| 8/14/2012 2:52:06 PM | 0.28 | 220 | 421 | 6 |
| 8/14/2012 2:53:06 PM | 0.28 | 221 | 420 | 6 |
| 8/14/2012 2:54:06 PM | 0.28 | 220 | 422 | 6 |
| 8/14/2012 2:55:06 PM | 0.28 | 220 | 422 | 6 |
| 8/14/2012 2:56:06 PM | 0.28 | 220 | 422 | 6 |
| 8/14/2012 2:57:06 PM | 0.28 | 220 | 422 | 6 |
| 8/14/2012 2:58:06 PM | 0.28 | 219 | 422 | 6 |
| 8/14/2012 2:59:06 PM | 0.28 | 219 | 423 | 6 |
| 8/14/2012 3:00:06 PM | 0.28 | 219 | 421 | 6 |
| 8/14/2012 3:01:06 PM | 0.28 | 220 | 422 | 6 |
| 8/14/2012 3:02:06 PM | 0.28 | 220 | 422 | 6 |
| 8/14/2012 3:03:06 PM | 0.28 | 221 | 422 | 6 |
| 8/14/2012 3:04:06 PM | 0.28 | 221 | 422 | 6 |
| 8/14/2012 3:05:06 PM | 0.28 | 222 | 421 | 6 |
| 8/14/2012 3:06:06 PM | 0.28 | 223 | 421 | 6 |
| 8/14/2012 3:07:06 PM | 0.28 | 224 | 426 | 6 |
| 8/14/2012 3:08:06 PM | Start Calibration | | | |
| 8/14/2012 3:09:06 PM | | | | |
| 8/14/2012 3:10:06 PM | | | | |
| 8/14/2012 3:11:06 PM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 3:12:06 PM | | | | |
| 8/14/2012 3:13:06 PM | | | | |
| 8/14/2012 3:14:06 PM | | | | |
| 8/14/2012 3:15:06 PM | | | | |
| 8/14/2012 3:16:06 PM | | | | |
| 8/14/2012 3:17:06 PM | | | | |
| 8/14/2012 3:18:06 PM | | | | |
| 8/14/2012 3:19:06 PM | | | | |
| 8/14/2012 3:20:06 PM | | | | |
| 8/14/2012 3:21:06 PM | | | | |
| 8/14/2012 3:22:06 PM | | | | |
| 8/14/2012 3:23:06 PM | | | | |
| 8/14/2012 3:24:06 PM | | | | |
| 8/14/2012 3:25:06 PM | | | | |
| 8/14/2012 3:26:06 PM | | | | |
| 8/14/2012 3:27:06 PM | | | | |
| 8/14/2012 3:28:06 PM | | | | |
| 8/14/2012 3:29:06 PM | | | | |
| 8/14/2012 3:30:06 PM | | | | |
| 8/14/2012 3:31:06 PM | | | | |
| 8/14/2012 3:32:06 PM | | | | |
| 8/14/2012 3:33:06 PM | | | | |
| 8/14/2012 3:34:06 PM | | | | |
| 8/14/2012 3:35:06 PM | | | | |
| 8/14/2012 3:36:06 PM | | | | |
| 8/14/2012 3:37:06 PM | | | | |
| 8/14/2012 3:38:06 PM | | | | |
| 8/14/2012 3:39:06 PM | | | | |
| 8/14/2012 3:40:06 PM | | | | |
| 8/14/2012 3:41:06 PM | | | | |
| 8/14/2012 3:42:06 PM | | | | |
| 8/14/2012 3:43:06 PM | | | | |
| 8/14/2012 3:44:06 PM | | | | |
| 8/14/2012 3:45:06 PM | | | | |
| 8/14/2012 3:46:06 PM | | | | |
| 8/14/2012 3:47:06 PM | | | | |
| 8/14/2012 3:48:06 PM | | | | |
| 8/14/2012 3:49:06 PM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 3:50:06 PM | | | | |
| 8/14/2012 3:51:06 PM | | | | |
| 8/14/2012 3:52:06 PM | | | | |
| 8/14/2012 3:53:06 PM | | | | |
| 8/14/2012 3:54:06 PM | | | | |
| 8/14/2012 3:55:06 PM | | | | |
| 8/14/2012 3:56:06 PM | | | | |
| 8/14/2012 3:57:06 PM | | | | |
| 8/14/2012 3:58:06 PM | | | | |
| 8/14/2012 3:59:06 PM | End Calibration | | | |
| 8/14/2012 4:00:06 PM | 0.28 | 221 | 321 | 6 |
| 8/14/2012 4:01:06 PM | 0.28 | 220 | 326 | 6 |
| 8/14/2012 4:02:06 PM | 0.28 | 220 | 330 | 6 |
| 8/14/2012 4:03:06 PM | 0.28 | 220 | 335 | 6 |
| 8/14/2012 4:04:06 PM | 0.28 | 220 | 339 | 6 |
| 8/14/2012 4:05:06 PM | 0.27 | 220 | 343 | 6 |
| 8/14/2012 4:06:06 PM | 0.28 | 220 | 345 | 6 |
| 8/14/2012 4:07:06 PM | 0.28 | 221 | 349 | 6 |
| 8/14/2012 4:08:06 PM | 0.28 | 221 | 352 | 6 |
| 8/14/2012 4:09:06 PM | 0.28 | 220 | 353 | 6 |
| 8/14/2012 4:10:06 PM | 0.28 | 221 | 353 | 6 |
| 8/14/2012 4:11:06 PM | 0.28 | 220 | 357 | 6 |
| 8/14/2012 4:12:06 PM | 0.28 | 221 | 358 | 6 |
| 8/14/2012 4:13:06 PM | 0.28 | 220 | 361 | 6 |
| 8/14/2012 4:14:06 PM | 0.28 | 219 | 360 | 6 |
| 8/14/2012 4:15:06 PM | 0.28 | 219 | 362 | 6 |
| 8/14/2012 4:16:06 PM | 0.28 | 219 | 364 | 6 |
| 8/14/2012 4:17:06 PM | 0.28 | 220 | 364 | 6 |
| 8/14/2012 4:18:06 PM | 0.28 | 220 | 366 | 6 |
| 8/14/2012 4:19:06 PM | 0.28 | 220 | 367 | 6 |
| 8/14/2012 4:20:06 PM | 0.28 | 219 | 369 | 6 |
| 8/14/2012 4:21:06 PM | 0.28 | 218 | 370 | 6 |
| 8/14/2012 4:22:06 PM | 0.28 | 218 | 372 | 6 |
| 8/14/2012 4:23:06 PM | 0.28 | 218 | 372 | 6 |
| 8/14/2012 4:24:06 PM | 0.28 | 218 | 372 | 6 |
| 8/14/2012 4:25:06 PM | 0.28 | 219 | 374 | 6 |
| 8/14/2012 4:26:06 PM | 0.28 | 219 | 376 | 6 |
| 8/14/2012 4:27:06 PM | 0.28 | 220 | 378 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 4:28:06 PM | 0.28 | 220 | 380 | 6 |
| 8/14/2012 4:29:06 PM | 0.28 | 221 | 382 | 6 |
| 8/14/2012 4:30:06 PM | 0.28 | 220 | 383 | 6 |
| 8/14/2012 4:31:06 PM | 0.28 | 220 | 384 | 6 |
| 8/14/2012 4:32:06 PM | 0.28 | 220 | 385 | 6 |
| 8/14/2012 4:33:06 PM | 0.28 | 221 | 385 | 6 |
| 8/14/2012 4:34:06 PM | 0.28 | 221 | 386 | 6 |
| 8/14/2012 4:35:06 PM | 0.28 | 220 | 386 | 6 |
| 8/14/2012 4:36:06 PM | 0.28 | 220 | 386 | 6 |
| 8/14/2012 4:37:06 PM | 0.28 | 220 | 386 | 6 |
| 8/14/2012 4:38:06 PM | 0.28 | 220 | 386 | 6 |
| 8/14/2012 4:39:06 PM | 0.28 | 220 | 387 | 6 |
| 8/14/2012 4:40:06 PM | 0.28 | 219 | 387 | 6 |
| 8/14/2012 4:41:06 PM | 0.28 | 219 | 389 | 6 |
| 8/14/2012 4:42:06 PM | 0.28 | 220 | 391 | 6 |
| 8/14/2012 4:43:06 PM | 0.28 | 221 | 392 | 6 |
| 8/14/2012 4:44:06 PM | 0.28 | 221 | 393 | 6 |
| 8/14/2012 4:45:06 PM | 0.28 | 221 | 396 | 6 |
| 8/14/2012 4:46:06 PM | 0.28 | 220 | 396 | 6 |
| 8/14/2012 4:47:06 PM | 0.28 | 219 | 395 | 6 |
| 8/14/2012 4:48:06 PM | 0.28 | 219 | 395 | 6 |
| 8/14/2012 4:49:06 PM | 0.28 | 219 | 395 | 6 |
| 8/14/2012 4:50:06 PM | 0.28 | 219 | 394 | 6 |
| 8/14/2012 4:51:06 PM | 0.28 | 219 | 392 | 6 |
| 8/14/2012 4:52:06 PM | 0.28 | 219 | 392 | 6 |
| 8/14/2012 4:53:06 PM | 0.28 | 219 | 393 | 6 |
| 8/14/2012 4:54:06 PM | 0.28 | 218 | 393 | 6 |
| 8/14/2012 4:55:06 PM | 0.28 | 219 | 393 | 6 |
| 8/14/2012 4:56:06 PM | 0.28 | 219 | 392 | 6 |
| 8/14/2012 4:57:06 PM | 0.27 | 218 | 394 | 6 |
| 8/14/2012 4:58:06 PM | 0.28 | 217 | 395 | 6 |
| 8/14/2012 4:59:06 PM | 0.28 | 218 | 396 | 6 |
| 8/14/2012 5:00:06 PM | 0.28 | 218 | 396 | 6 |
| 8/14/2012 5:01:06 PM | 0.28 | 217 | 396 | 6 |
| 8/14/2012 5:02:06 PM | 0.28 | 216 | 397 | 6 |
| 8/14/2012 5:03:06 PM | 0.28 | 215 | 397 | 6 |
| 8/14/2012 5:04:06 PM | 0.28 | 215 | 395 | 6 |
| 8/14/2012 5:05:06 PM | 0.28 | 216 | 395 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 5:06:06 PM | 0.28 | 218 | 395 | 6 |
| 8/14/2012 5:07:06 PM | 0.28 | 218 | 396 | 6 |
| 8/14/2012 5:08:06 PM | 0.28 | 217 | 397 | 6 |
| 8/14/2012 5:09:06 PM | 0.28 | 217 | 398 | 6 |
| 8/14/2012 5:10:06 PM | 0.28 | 217 | 397 | 6 |
| 8/14/2012 5:11:06 PM | 0.28 | 217 | 397 | 6 |
| 8/14/2012 5:12:06 PM | 0.28 | 218 | 397 | 6 |
| 8/14/2012 5:13:06 PM | 0.28 | 218 | 397 | 6 |
| 8/14/2012 5:14:06 PM | 0.28 | 216 | 397 | 6 |
| 8/14/2012 5:15:06 PM | 0.28 | 217 | 397 | 6 |
| 8/14/2012 5:16:06 PM | 0.28 | 217 | 397 | 6 |
| 8/14/2012 5:17:06 PM | 0.28 | 217 | 397 | 6 |
| 8/14/2012 5:18:06 PM | 0.28 | 216 | 397 | 6 |
| 8/14/2012 5:19:06 PM | 0.29 | 217 | 398 | 6 |
| 8/14/2012 5:20:06 PM | 0.28 | 217 | 397 | 6 |
| 8/14/2012 5:21:06 PM | 0.28 | 216 | 397 | 6 |
| 8/14/2012 5:22:06 PM | 0.28 | 216 | 397 | 6 |
| 8/14/2012 5:23:06 PM | 0.28 | 216 | 397 | 6 |
| 8/14/2012 5:24:06 PM | 0.28 | 216 | 398 | 6 |
| 8/14/2012 5:25:06 PM | 0.28 | 216 | 397 | 6 |
| 8/14/2012 5:26:06 PM | 0.28 | 217 | 398 | 6 |
| 8/14/2012 5:27:06 PM | 0.28 | 217 | 398 | 6 |
| 8/14/2012 5:28:06 PM | 0.28 | 217 | 399 | 6 |
| 8/14/2012 5:29:06 PM | 0.28 | 216 | 399 | 6 |
| 8/14/2012 5:30:06 PM | 0.28 | 217 | 398 | 6 |
| 8/14/2012 5:31:06 PM | 0.28 | 218 | 398 | 6 |
| 8/14/2012 5:32:06 PM | 0.28 | 219 | 399 | 6 |
| 8/14/2012 5:33:06 PM | 0.28 | 219 | 400 | 6 |
| 8/14/2012 5:34:06 PM | 0.28 | 219 | 400 | 6 |
| 8/14/2012 5:35:06 PM | 0.28 | 219 | 402 | 6 |
| 8/14/2012 5:36:06 PM | 0.28 | 218 | 402 | 6 |
| 8/14/2012 5:37:06 PM | 0.28 | 218 | 400 | 6 |
| 8/14/2012 5:38:06 PM | 0.28 | 218 | 399 | 6 |
| 8/14/2012 5:39:06 PM | 0.28 | 217 | 400 | 6 |
| 8/14/2012 5:40:06 PM | 0.28 | 218 | 399 | 6 |
| 8/14/2012 5:41:06 PM | 0.28 | 218 | 400 | 6 |
| 8/14/2012 5:42:06 PM | 0.28 | 218 | 400 | 6 |
| 8/14/2012 5:43:06 PM | 0.28 | 217 | 401 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 5:44:06 PM | 0.28 | 219 | 401 | 6 |
| 8/14/2012 5:45:06 PM | 0.28 | 219 | 401 | 6 |
| 8/14/2012 5:46:06 PM | 0.28 | 218 | 402 | 6 |
| 8/14/2012 5:47:06 PM | 0.28 | 219 | 402 | 6 |
| 8/14/2012 5:48:06 PM | 0.28 | 219 | 403 | 6 |
| 8/14/2012 5:49:06 PM | 0.28 | 220 | 402 | 6 |
| 8/14/2012 5:50:06 PM | 0.28 | 219 | 403 | 6 |
| 8/14/2012 5:51:06 PM | 0.28 | 219 | 402 | 6 |
| 8/14/2012 5:52:06 PM | 0.28 | 219 | 403 | 6 |
| 8/14/2012 5:53:06 PM | 0.28 | 218 | 403 | 6 |
| 8/14/2012 5:54:06 PM | 0.28 | 219 | 403 | 6 |
| 8/14/2012 5:55:06 PM | 0.28 | 218 | 403 | 6 |
| 8/14/2012 5:56:06 PM | 0.28 | 218 | 402 | 6 |
| 8/14/2012 5:57:06 PM | 0.28 | 218 | 402 | 6 |
| 8/14/2012 5:58:06 PM | 0.29 | 220 | 401 | 6 |
| 8/14/2012 5:59:06 PM | 0.28 | 219 | 402 | 6 |
| 8/14/2012 6:00:06 PM | 0.28 | 219 | 401 | 6 |
| 8/14/2012 6:01:06 PM | 0.28 | 219 | 401 | 6 |
| 8/14/2012 6:02:06 PM | 0.28 | 217 | 401 | 6 |
| 8/14/2012 6:03:06 PM | 0.28 | 218 | 400 | 6 |
| 8/14/2012 6:04:06 PM | 0.28 | 218 | 400 | 6 |
| 8/14/2012 6:05:06 PM | 0.28 | 218 | 400 | 6 |
| 8/14/2012 6:06:06 PM | 0.28 | 218 | 402 | 6 |
| 8/14/2012 6:07:06 PM | 0.28 | 218 | 401 | 6 |
| 8/14/2012 6:08:06 PM | 0.28 | 220 | 402 | 6 |
| 8/14/2012 6:09:06 PM | 0.28 | 220 | 402 | 6 |
| 8/14/2012 6:10:06 PM | 0.28 | 220 | 402 | 6 |
| 8/14/2012 6:11:06 PM | 0.28 | 220 | 401 | 6 |
| 8/14/2012 6:12:06 PM | 0.28 | 220 | 401 | 6 |
| 8/14/2012 6:13:06 PM | 0.28 | 220 | 401 | 6 |
| 8/14/2012 6:14:06 PM | 0.28 | 219 | 401 | 6 |
| 8/14/2012 6:15:06 PM | 0.28 | 218 | 401 | 6 |
| 8/14/2012 6:16:06 PM | 0.28 | 219 | 400 | 6 |
| 8/14/2012 6:17:06 PM | 0.28 | 219 | 399 | 6 |
| 8/14/2012 6:18:06 PM | 0.28 | 218 | 401 | 6 |
| 8/14/2012 6:19:06 PM | 0.27 | 218 | 400 | 6 |
| 8/14/2012 6:20:06 PM | 0.28 | 217 | 399 | 6 |
| 8/14/2012 6:21:06 PM | 0.28 | 217 | 397 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 6:22:06 PM | 0.28 | 217 | 398 | 6 |
| 8/14/2012 6:23:06 PM | 0.28 | 217 | 397 | 6 |
| 8/14/2012 6:24:06 PM | 0.28 | 218 | 398 | 6 |
| 8/14/2012 6:25:06 PM | 0.28 | 219 | 398 | 6 |
| 8/14/2012 6:26:06 PM | 0.28 | 219 | 400 | 6 |
| 8/14/2012 6:27:06 PM | 0.28 | 218 | 399 | 6 |
| 8/14/2012 6:28:06 PM | 0.28 | 218 | 400 | 6 |
| 8/14/2012 6:29:06 PM | 0.28 | 218 | 399 | 6 |
| 8/14/2012 6:30:06 PM | 0.28 | 216 | 399 | 6 |
| 8/14/2012 6:31:06 PM | 0.28 | 216 | 397 | 6 |
| 8/14/2012 6:32:06 PM | 0.28 | 215 | 398 | 6 |
| 8/14/2012 6:33:06 PM | 0.28 | 215 | 397 | 6 |
| 8/14/2012 6:34:06 PM | 0.28 | 215 | 396 | 6 |
| 8/14/2012 6:35:06 PM | 0.28 | 216 | 396 | 6 |
| 8/14/2012 6:36:06 PM | 0.28 | 217 | 397 | 6 |
| 8/14/2012 6:37:06 PM | 0.28 | 216 | 397 | 6 |
| 8/14/2012 6:38:06 PM | 0.28 | 216 | 397 | 6 |
| 8/14/2012 6:39:06 PM | 0.28 | 216 | 398 | 6 |
| 8/14/2012 6:40:06 PM | 0.28 | 217 | 397 | 6 |
| 8/14/2012 6:41:06 PM | 0.28 | 217 | 397 | 6 |
| 8/14/2012 6:42:06 PM | 0.29 | 217 | 397 | 6 |
| 8/14/2012 6:43:06 PM | 0.28 | 217 | 397 | 6 |
| 8/14/2012 6:44:06 PM | 0.28 | 217 | 397 | 6 |
| 8/14/2012 6:45:06 PM | 0.28 | 218 | 398 | 6 |
| 8/14/2012 6:46:06 PM | 0.28 | 218 | 398 | 6 |
| 8/14/2012 6:47:06 PM | 0.28 | 218 | 397 | 6 |
| 8/14/2012 6:48:06 PM | 0.28 | 219 | 399 | 6 |
| 8/14/2012 6:49:06 PM | 0.28 | 219 | 399 | 6 |
| 8/14/2012 6:50:06 PM | 0.28 | 218 | 400 | 6 |
| 8/14/2012 6:51:06 PM | 0.28 | 218 | 400 | 6 |
| 8/14/2012 6:52:06 PM | 0.28 | 219 | 399 | 6 |
| 8/14/2012 6:53:06 PM | 0.28 | 218 | 400 | 6 |
| 8/14/2012 6:54:06 PM | 0.28 | 218 | 399 | 6 |
| 8/14/2012 6:55:06 PM | 0.28 | 218 | 398 | 6 |
| 8/14/2012 6:56:06 PM | 0.28 | 218 | 397 | 6 |
| 8/14/2012 6:57:06 PM | 0.28 | 218 | 397 | 6 |
| 8/14/2012 6:58:06 PM | 0.28 | 218 | 397 | 6 |
| 8/14/2012 6:59:06 PM | 0.28 | 217 | 397 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 7:00:06 PM | 0.28 | 217 | 397 | 6 |
| 8/14/2012 7:01:06 PM | 0.28 | 215 | 397 | 6 |
| 8/14/2012 7:02:06 PM | 0.28 | 215 | 396 | 6 |
| 8/14/2012 7:03:06 PM | 0.28 | 216 | 397 | 6 |
| 8/14/2012 7:04:06 PM | 0.28 | 217 | 396 | 6 |
| 8/14/2012 7:05:06 PM | 0.28 | 218 | 397 | 6 |
| 8/14/2012 7:06:06 PM | 0.28 | 219 | 398 | 6 |
| 8/14/2012 7:07:06 PM | 0.28 | 219 | 399 | 6 |
| 8/14/2012 7:08:06 PM | 0.28 | 219 | 399 | 6 |
| 8/14/2012 7:09:06 PM | 0.28 | 220 | 399 | 6 |
| 8/14/2012 7:10:06 PM | 0.28 | 218 | 399 | 6 |
| 8/14/2012 7:11:06 PM | 0.28 | 219 | 397 | 6 |
| 8/14/2012 7:12:06 PM | 0.28 | 219 | 397 | 6 |
| 8/14/2012 7:13:06 PM | 0.28 | 218 | 397 | 6 |
| 8/14/2012 7:14:06 PM | 0.28 | 218 | 398 | 6 |
| 8/14/2012 7:15:06 PM | 0.28 | 219 | 398 | 6 |
| 8/14/2012 7:16:06 PM | 0.28 | 220 | 398 | 6 |
| 8/14/2012 7:17:06 PM | 0.28 | 220 | 398 | 6 |
| 8/14/2012 7:18:06 PM | 0.28 | 220 | 397 | 6 |
| 8/14/2012 7:19:06 PM | 0.28 | 220 | 397 | 6 |
| 8/14/2012 7:20:06 PM | 0.28 | 221 | 397 | 6 |
| 8/14/2012 7:21:06 PM | 0.28 | 221 | 398 | 6 |
| 8/14/2012 7:22:06 PM | 0.28 | 220 | 399 | 6 |
| 8/14/2012 7:23:06 PM | 0.28 | 220 | 398 | 6 |
| 8/14/2012 7:24:06 PM | 0.28 | 220 | 398 | 6 |
| 8/14/2012 7:25:06 PM | 0.28 | 221 | 397 | 6 |
| 8/14/2012 7:26:06 PM | 0.28 | 221 | 398 | 6 |
| 8/14/2012 7:27:06 PM | 0.28 | 222 | 396 | 6 |
| 8/14/2012 7:28:06 PM | 0.28 | 221 | 397 | 6 |
| 8/14/2012 7:29:06 PM | 0.28 | 221 | 397 | 6 |
| 8/14/2012 7:30:06 PM | 0.28 | 220 | 396 | 6 |
| 8/14/2012 7:31:06 PM | 0.28 | 220 | 395 | 6 |
| 8/14/2012 7:32:06 PM | 0.28 | 219 | 393 | 6 |
| 8/14/2012 7:33:06 PM | 0.28 | 219 | 393 | 6 |
| 8/14/2012 7:34:06 PM | 0.28 | 219 | 394 | 6 |
| 8/14/2012 7:35:06 PM | 0.28 | 219 | 394 | 6 |
| 8/14/2012 7:36:06 PM | 0.28 | 219 | 394 | 6 |
| 8/14/2012 7:37:06 PM | 0.28 | 219 | 393 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 7:38:06 PM | 0.28 | 220 | 394 | 6 |
| 8/14/2012 7:39:06 PM | 0.28 | 219 | 394 | 6 |
| 8/14/2012 7:40:06 PM | 0.28 | 218 | 394 | 6 |
| 8/14/2012 7:41:06 PM | 0.28 | 219 | 393 | 6 |
| 8/14/2012 7:42:06 PM | 0.28 | 219 | 393 | 6 |
| 8/14/2012 7:43:06 PM | 0.28 | 219 | 394 | 6 |
| 8/14/2012 7:44:06 PM | 0.28 | 219 | 394 | 6 |
| 8/14/2012 7:45:06 PM | 0.28 | 220 | 394 | 6 |
| 8/14/2012 7:46:06 PM | 0.28 | 219 | 394 | 6 |
| 8/14/2012 7:47:06 PM | 0.28 | 219 | 394 | 6 |
| 8/14/2012 7:48:06 PM | 0.28 | 220 | 395 | 6 |
| 8/14/2012 7:49:06 PM | 0.28 | 220 | 397 | 6 |
| 8/14/2012 7:50:06 PM | 0.28 | 221 | 395 | 6 |
| 8/14/2012 7:51:06 PM | 0.28 | 220 | 395 | 6 |
| 8/14/2012 7:52:06 PM | 0.28 | 220 | 395 | 6 |
| 8/14/2012 7:53:06 PM | 0.28 | 221 | 396 | 6 |
| 8/14/2012 7:54:06 PM | 0.28 | 220 | 394 | 6 |
| 8/14/2012 7:55:06 PM | 0.28 | 219 | 394 | 6 |
| 8/14/2012 7:56:06 PM | 0.28 | 218 | 394 | 6 |
| 8/14/2012 7:57:06 PM | 0.28 | 218 | 393 | 6 |
| 8/14/2012 7:58:06 PM | 0.28 | 218 | 394 | 6 |
| 8/14/2012 7:59:06 PM | 0.28 | 218 | 394 | 6 |
| 8/14/2012 8:00:06 PM | 0.28 | 218 | 393 | 6 |
| 8/14/2012 8:01:06 PM | 0.28 | 217 | 392 | 6 |
| 8/14/2012 8:02:06 PM | 0.28 | 217 | 394 | 6 |
| 8/14/2012 8:03:06 PM | 0.28 | 217 | 392 | 6 |
| 8/14/2012 8:04:06 PM | 0.28 | 217 | 392 | 6 |
| 8/14/2012 8:05:06 PM | 0.28 | 217 | 392 | 6 |
| 8/14/2012 8:06:06 PM | 0.28 | 216 | 393 | 6 |
| 8/14/2012 8:07:06 PM | 0.28 | 217 | 392 | 6 |
| 8/14/2012 8:08:06 PM | 0.28 | 218 | 393 | 6 |
| 8/14/2012 8:09:06 PM | 0.28 | 218 | 393 | 6 |
| 8/14/2012 8:10:06 PM | 0.28 | 218 | 394 | 6 |
| 8/14/2012 8:11:06 PM | 0.28 | 218 | 394 | 6 |
| 8/14/2012 8:12:06 PM | 0.28 | 218 | 393 | 6 |
| 8/14/2012 8:13:06 PM | 0.28 | 218 | 393 | 6 |
| 8/14/2012 8:14:06 PM | 0.28 | 219 | 393 | 6 |
| 8/14/2012 8:15:06 PM | 0.28 | 219 | 392 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 8:16:06 PM | 0.28 | 219 | 393 | 6 |
| 8/14/2012 8:17:06 PM | 0.28 | 219 | 394 | 6 |
| 8/14/2012 8:18:06 PM | 0.28 | 219 | 393 | 6 |
| 8/14/2012 8:19:06 PM | 0.28 | 219 | 393 | 6 |
| 8/14/2012 8:20:06 PM | 0.28 | 219 | 393 | 6 |
| 8/14/2012 8:21:06 PM | 0.28 | 220 | 393 | 6 |
| 8/14/2012 8:22:06 PM | 0.28 | 220 | 393 | 6 |
| 8/14/2012 8:23:06 PM | 0.28 | 220 | 393 | 6 |
| 8/14/2012 8:24:06 PM | 0.28 | 221 | 394 | 6 |
| 8/14/2012 8:25:06 PM | 0.28 | 222 | 394 | 6 |
| 8/14/2012 8:26:06 PM | 0.28 | 222 | 396 | 6 |
| 8/14/2012 8:27:06 PM | 0.28 | 221 | 396 | 6 |
| 8/14/2012 8:28:06 PM | 0.28 | 220 | 396 | 6 |
| 8/14/2012 8:29:06 PM | 0.28 | 220 | 396 | 6 |
| 8/14/2012 8:30:06 PM | 0.28 | 220 | 395 | 6 |
| 8/14/2012 8:31:06 PM | 0.28 | 221 | 393 | 6 |
| 8/14/2012 8:32:06 PM | 0.28 | 221 | 393 | 6 |
| 8/14/2012 8:33:06 PM | 0.28 | 221 | 396 | 6 |
| 8/14/2012 8:34:06 PM | 0.28 | 221 | 395 | 6 |
| 8/14/2012 8:35:06 PM | 0.28 | 221 | 394 | 6 |
| 8/14/2012 8:36:06 PM | 0.28 | 222 | 395 | 6 |
| 8/14/2012 8:37:06 PM | 0.28 | 222 | 396 | 6 |
| 8/14/2012 8:38:06 PM | 0.28 | 222 | 397 | 6 |
| 8/14/2012 8:39:06 PM | 0.28 | 221 | 396 | 6 |
| 8/14/2012 8:40:06 PM | 0.28 | 222 | 396 | 6 |
| 8/14/2012 8:41:06 PM | 0.28 | 223 | 396 | 6 |
| 8/14/2012 8:42:06 PM | 0.28 | 221 | 397 | 6 |
| 8/14/2012 8:43:06 PM | 0.28 | 222 | 397 | 6 |
| 8/14/2012 8:44:06 PM | 0.28 | 222 | 397 | 6 |
| 8/14/2012 8:45:06 PM | 0.28 | 222 | 396 | 6 |
| 8/14/2012 8:46:06 PM | 0.28 | 222 | 395 | 6 |
| 8/14/2012 8:47:06 PM | 0.28 | 222 | 395 | 6 |
| 8/14/2012 8:48:06 PM | 0.28 | 221 | 395 | 6 |
| 8/14/2012 8:49:06 PM | 0.28 | 221 | 396 | 6 |
| 8/14/2012 8:50:06 PM | 0.28 | 221 | 394 | 6 |
| 8/14/2012 8:51:06 PM | 0.28 | 221 | 394 | 6 |
| 8/14/2012 8:52:06 PM | 0.28 | 221 | 396 | 6 |
| 8/14/2012 8:53:06 PM | 0.28 | 222 | 394 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 8:54:06 PM | 0.28 | 222 | 394 | 6 |
| 8/14/2012 8:55:06 PM | 0.28 | 223 | 394 | 6 |
| 8/14/2012 8:56:06 PM | 0.28 | 223 | 395 | 6 |
| 8/14/2012 8:57:06 PM | 0.28 | 222 | 397 | 6 |
| 8/14/2012 8:58:06 PM | 0.28 | 222 | 396 | 6 |
| 8/14/2012 8:59:06 PM | 0.28 | 223 | 394 | 6 |
| 8/14/2012 9:00:06 PM | 0.27 | 223 | 394 | 6 |
| 8/14/2012 9:01:06 PM | 0.28 | 224 | 393 | 6 |
| 8/14/2012 9:02:06 PM | 0.28 | 223 | 394 | 6 |
| 8/14/2012 9:03:06 PM | 0.28 | 223 | 394 | 6 |
| 8/14/2012 9:04:06 PM | 0.27 | 223 | 395 | 6 |
| 8/14/2012 9:05:06 PM | 0.28 | 223 | 395 | 6 |
| 8/14/2012 9:06:06 PM | 0.28 | 224 | 395 | 6 |
| 8/14/2012 9:07:06 PM | 0.28 | 224 | 395 | 6 |
| 8/14/2012 9:08:06 PM | 0.28 | 225 | 393 | 6 |
| 8/14/2012 9:09:06 PM | 0.28 | 224 | 394 | 6 |
| 8/14/2012 9:10:06 PM | 0.28 | 224 | 394 | 6 |
| 8/14/2012 9:11:06 PM | 0.28 | 224 | 395 | 6 |
| 8/14/2012 9:12:06 PM | 0.28 | 224 | 396 | 6 |
| 8/14/2012 9:13:06 PM | 0.28 | 224 | 397 | 6 |
| 8/14/2012 9:14:06 PM | 0.28 | 224 | 396 | 6 |
| 8/14/2012 9:15:06 PM | 0.28 | 223 | 396 | 6 |
| 8/14/2012 9:16:06 PM | 0.28 | 224 | 397 | 6 |
| 8/14/2012 9:17:06 PM | 0.28 | 224 | 397 | 6 |
| 8/14/2012 9:18:06 PM | 0.28 | 224 | 397 | 5 |
| 8/14/2012 9:19:06 PM | 0.28 | 224 | 398 | 5 |
| 8/14/2012 9:20:06 PM | 0.28 | 224 | 398 | 5 |
| 8/14/2012 9:21:06 PM | 0.28 | 224 | 399 | 5 |
| 8/14/2012 9:22:06 PM | 0.28 | 224 | 399 | 5 |
| 8/14/2012 9:23:06 PM | 0.27 | 225 | 399 | 6 |
| 8/14/2012 9:24:06 PM | 0.28 | 226 | 400 | 6 |
| 8/14/2012 9:25:06 PM | 0.28 | 226 | 401 | 6 |
| 8/14/2012 9:26:06 PM | 0.28 | 226 | 402 | 6 |
| 8/14/2012 9:27:06 PM | 0.27 | 227 | 403 | 6 |
| 8/14/2012 9:28:06 PM | 0.27 | 227 | 405 | 6 |
| 8/14/2012 9:29:06 PM | 0.28 | 227 | 407 | 6 |
| 8/14/2012 9:30:06 PM | 0.27 | 228 | 407 | 6 |
| 8/14/2012 9:31:06 PM | 0.27 | 228 | 407 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 9:32:06 PM | 0.27 | 229 | 407 | 6 |
| 8/14/2012 9:33:06 PM | 0.27 | 229 | 409 | 6 |
| 8/14/2012 9:34:06 PM | 0.27 | 229 | 409 | 6 |
| 8/14/2012 9:35:06 PM | 0.28 | 229 | 411 | 6 |
| 8/14/2012 9:36:06 PM | 0.28 | 229 | 411 | 6 |
| 8/14/2012 9:37:06 PM | 0.28 | 228 | 411 | 6 |
| 8/14/2012 9:38:06 PM | 0.27 | 228 | 412 | 6 |
| 8/14/2012 9:39:06 PM | 0.28 | 229 | 410 | 6 |
| 8/14/2012 9:40:06 PM | 0.27 | 228 | 411 | 6 |
| 8/14/2012 9:41:06 PM | 0.27 | 228 | 410 | 6 |
| 8/14/2012 9:42:06 PM | 0.27 | 227 | 411 | 6 |
| 8/14/2012 9:43:06 PM | 0.27 | 228 | 410 | 6 |
| 8/14/2012 9:44:06 PM | 0.28 | 227 | 409 | 6 |
| 8/14/2012 9:45:06 PM | 0.27 | 228 | 408 | 6 |
| 8/14/2012 9:46:06 PM | 0.27 | 228 | 408 | 6 |
| 8/14/2012 9:47:06 PM | 0.28 | 228 | 407 | 6 |
| 8/14/2012 9:48:06 PM | 0.27 | 229 | 408 | 6 |
| 8/14/2012 9:49:06 PM | 0.28 | 229 | 408 | 6 |
| 8/14/2012 9:50:06 PM | 0.27 | 229 | 407 | 6 |
| 8/14/2012 9:51:06 PM | 0.28 | 229 | 409 | 6 |
| 8/14/2012 9:52:06 PM | 0.27 | 229 | 408 | 6 |
| 8/14/2012 9:53:06 PM | 0.28 | 229 | 408 | 6 |
| 8/14/2012 9:54:06 PM | 0.27 | 229 | 408 | 6 |
| 8/14/2012 9:55:06 PM | 0.28 | 229 | 407 | 6 |
| 8/14/2012 9:56:06 PM | 0.27 | 228 | 407 | 6 |
| 8/14/2012 9:57:06 PM | 0.28 | 228 | 406 | 6 |
| 8/14/2012 9:58:06 PM | 0.28 | 228 | 405 | 6 |
| 8/14/2012 9:59:06 PM | 0.27 | 228 | 406 | 6 |
| 8/14/2012 10:00:06 PM | 0.27 | 229 | 406 | 6 |
| 8/14/2012 10:01:06 PM | 0.27 | 230 | 408 | 6 |
| 8/14/2012 10:02:06 PM | 0.27 | 230 | 407 | 6 |
| 8/14/2012 10:03:06 PM | 0.27 | 231 | 407 | 6 |
| 8/14/2012 10:04:06 PM | 0.27 | 231 | 408 | 6 |
| 8/14/2012 10:05:06 PM | 0.27 | 231 | 408 | 6 |
| 8/14/2012 10:06:06 PM | 0.27 | 231 | 408 | 6 |
| 8/14/2012 10:07:06 PM | 0.27 | 231 | 408 | 6 |
| 8/14/2012 10:08:06 PM | 0.27 | 230 | 408 | 6 |
| 8/14/2012 10:09:06 PM | 0.27 | 230 | 408 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 10:10:06 PM | 0.27 | 229 | 409 | 6 |
| 8/14/2012 10:11:06 PM | 0.27 | 229 | 408 | 6 |
| 8/14/2012 10:12:06 PM | 0.27 | 229 | 408 | 6 |
| 8/14/2012 10:13:06 PM | 0.27 | 230 | 409 | 6 |
| 8/14/2012 10:14:06 PM | 0.27 | 230 | 409 | 6 |
| 8/14/2012 10:15:06 PM | 0.27 | 229 | 408 | 6 |
| 8/14/2012 10:16:06 PM | 0.27 | 229 | 407 | 6 |
| 8/14/2012 10:17:06 PM | 0.28 | 229 | 407 | 6 |
| 8/14/2012 10:18:06 PM | 0.27 | 229 | 407 | 6 |
| 8/14/2012 10:19:06 PM | 0.27 | 229 | 407 | 6 |
| 8/14/2012 10:20:06 PM | 0.28 | 230 | 408 | 6 |
| 8/14/2012 10:21:06 PM | 0.27 | 231 | 409 | 6 |
| 8/14/2012 10:22:06 PM | 0.27 | 231 | 409 | 6 |
| 8/14/2012 10:23:06 PM | 0.27 | 231 | 412 | 6 |
| 8/14/2012 10:24:06 PM | 0.27 | 231 | 413 | 6 |
| 8/14/2012 10:25:06 PM | 0.27 | 232 | 412 | 6 |
| 8/14/2012 10:26:06 PM | 0.27 | 232 | 415 | 6 |
| 8/14/2012 10:27:06 PM | 0.27 | 232 | 416 | 6 |
| 8/14/2012 10:28:06 PM | 0.27 | 232 | 417 | 6 |
| 8/14/2012 10:29:06 PM | 0.27 | 232 | 417 | 6 |
| 8/14/2012 10:30:06 PM | 0.27 | 233 | 417 | 6 |
| 8/14/2012 10:31:06 PM | 0.28 | 233 | 419 | 6 |
| 8/14/2012 10:32:06 PM | 0.27 | 233 | 420 | 6 |
| 8/14/2012 10:33:06 PM | 0.27 | 233 | 423 | 6 |
| 8/14/2012 10:34:06 PM | 0.27 | 233 | 422 | 6 |
| 8/14/2012 10:35:06 PM | 0.27 | 232 | 423 | 6 |
| 8/14/2012 10:36:06 PM | 0.27 | 232 | 423 | 6 |
| 8/14/2012 10:37:06 PM | 0.27 | 231 | 423 | 6 |
| 8/14/2012 10:38:06 PM | 0.27 | 231 | 422 | 6 |
| 8/14/2012 10:39:06 PM | 0.27 | 231 | 423 | 6 |
| 8/14/2012 10:40:06 PM | 0.28 | 231 | 422 | 6 |
| 8/14/2012 10:41:06 PM | 0.28 | 230 | 422 | 6 |
| 8/14/2012 10:42:06 PM | 0.28 | 229 | 420 | 6 |
| 8/14/2012 10:43:06 PM | 0.28 | 229 | 418 | 6 |
| 8/14/2012 10:44:06 PM | 0.27 | 229 | 418 | 6 |
| 8/14/2012 10:45:06 PM | 0.27 | 229 | 418 | 6 |
| 8/14/2012 10:46:06 PM | 0.28 | 229 | 416 | 6 |
| 8/14/2012 10:47:06 PM | 0.28 | 228 | 416 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 10:48:06 PM | 0.27 | 228 | 412 | 6 |
| 8/14/2012 10:49:06 PM | 0.28 | 228 | 412 | 6 |
| 8/14/2012 10:50:06 PM | 0.28 | 228 | 412 | 6 |
| 8/14/2012 10:51:06 PM | 0.28 | 228 | 410 | 6 |
| 8/14/2012 10:52:06 PM | 0.28 | 228 | 409 | 6 |
| 8/14/2012 10:53:06 PM | 0.27 | 227 | 408 | 6 |
| 8/14/2012 10:54:06 PM | 0.28 | 228 | 408 | 6 |
| 8/14/2012 10:55:06 PM | 0.28 | 227 | 408 | 6 |
| 8/14/2012 10:56:06 PM | 0.27 | 227 | 409 | 6 |
| 8/14/2012 10:57:06 PM | 0.27 | 226 | 408 | 6 |
| 8/14/2012 10:58:06 PM | 0.28 | 227 | 408 | 6 |
| 8/14/2012 10:59:06 PM | 0.27 | 227 | 407 | 6 |
| 8/14/2012 11:00:06 PM | 0.28 | 227 | 407 | 6 |
| 8/14/2012 11:01:06 PM | 0.27 | 227 | 407 | 6 |
| 8/14/2012 11:02:06 PM | 0.27 | 226 | 407 | 6 |
| 8/14/2012 11:03:06 PM | 0.27 | 226 | 406 | 6 |
| 8/14/2012 11:04:06 PM | 0.27 | 226 | 408 | 6 |
| 8/14/2012 11:05:06 PM | 0.28 | 226 | 407 | 6 |
| 8/14/2012 11:06:06 PM | 0.27 | 227 | 407 | 6 |
| 8/14/2012 11:07:06 PM | 0.27 | 227 | 408 | 6 |
| 8/14/2012 11:08:06 PM | 0.27 | 226 | 408 | 6 |
| 8/14/2012 11:09:06 PM | 0.27 | 226 | 408 | 6 |
| 8/14/2012 11:10:06 PM | 0.28 | 227 | 409 | 6 |
| 8/14/2012 11:11:06 PM | 0.27 | 229 | 410 | 6 |
| 8/14/2012 11:12:06 PM | 0.27 | 229 | 411 | 6 |
| 8/14/2012 11:13:06 PM | 0.27 | 229 | 411 | 6 |
| 8/14/2012 11:14:06 PM | 0.27 | 229 | 412 | 6 |
| 8/14/2012 11:15:06 PM | 0.27 | 230 | 412 | 6 |
| 8/14/2012 11:16:06 PM | 0.27 | 230 | 411 | 6 |
| 8/14/2012 11:17:06 PM | 0.27 | 230 | 411 | 6 |
| 8/14/2012 11:18:06 PM | 0.27 | 230 | 410 | 6 |
| 8/14/2012 11:19:06 PM | 0.28 | 231 | 411 | 6 |
| 8/14/2012 11:20:06 PM | 0.27 | 231 | 412 | 6 |
| 8/14/2012 11:21:06 PM | 0.27 | 231 | 412 | 6 |
| 8/14/2012 11:22:06 PM | 0.27 | 231 | 412 | 6 |
| 8/14/2012 11:23:06 PM | 0.28 | 231 | 413 | 6 |
| 8/14/2012 11:24:06 PM | 0.27 | 230 | 412 | 6 |
| 8/14/2012 11:25:06 PM | 0.27 | 231 | 412 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **14-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **14-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/14/2012 11:26:06 PM | 0.27 | 231 | 409 | 6 |
| 8/14/2012 11:27:06 PM | 0.27 | 231 | 409 | 6 |
| 8/14/2012 11:28:06 PM | 0.27 | 230 | 407 | 6 |
| 8/14/2012 11:29:06 PM | 0.27 | 231 | 407 | 6 |
| 8/14/2012 11:30:06 PM | 0.27 | 230 | 408 | 6 |
| 8/14/2012 11:31:06 PM | 0.27 | 231 | 408 | 6 |
| 8/14/2012 11:32:06 PM | 0.27 | 231 | 408 | 6 |
| 8/14/2012 11:33:06 PM | 0.27 | 232 | 407 | 6 |
| 8/14/2012 11:34:06 PM | 0.27 | 231 | 406 | 6 |
| 8/14/2012 11:35:06 PM | 0.27 | 231 | 407 | 6 |
| 8/14/2012 11:36:06 PM | 0.27 | 231 | 406 | 6 |
| 8/14/2012 11:37:06 PM | 0.27 | 232 | 407 | 6 |
| 8/14/2012 11:38:06 PM | 0.27 | 232 | 407 | 6 |
| 8/14/2012 11:39:06 PM | 0.27 | 231 | 407 | 6 |
| 8/14/2012 11:40:06 PM | 0.27 | 231 | 408 | 6 |
| 8/14/2012 11:41:06 PM | 0.27 | 231 | 408 | 6 |
| 8/14/2012 11:42:06 PM | 0.27 | 230 | 407 | 6 |
| 8/14/2012 11:43:06 PM | 0.27 | 229 | 407 | 6 |
| 8/14/2012 11:44:06 PM | 0.27 | 229 | 407 | 6 |
| 8/14/2012 11:45:06 PM | 0.27 | 229 | 407 | 6 |
| 8/14/2012 11:46:06 PM | 0.28 | 229 | 405 | 6 |
| 8/14/2012 11:47:06 PM | 0.27 | 229 | 405 | 6 |
| 8/14/2012 11:48:06 PM | 0.27 | 228 | 406 | 6 |
| 8/14/2012 11:49:06 PM | 0.28 | 228 | 405 | 6 |
| 8/14/2012 11:50:06 PM | 0.27 | 228 | 404 | 6 |
| 8/14/2012 11:51:06 PM | 0.28 | 228 | 403 | 6 |
| 8/14/2012 11:52:06 PM | 0.27 | 228 | 403 | 6 |
| 8/14/2012 11:53:06 PM | 0.27 | 228 | 403 | 6 |
| 8/14/2012 11:54:06 PM | 0.27 | 228 | 405 | 6 |
| 8/14/2012 11:55:06 PM | 0.27 | 228 | 406 | 6 |
| 8/14/2012 11:56:06 PM | 0.27 | 228 | 405 | 6 |
| 8/14/2012 11:57:06 PM | 0.27 | 228 | 405 | 6 |
| 8/14/2012 11:58:06 PM | 0.27 | 227 | 405 | 6 |
| 8/14/2012 11:59:06 PM | 0.28 | 227 | 405 | 6 |
| Averages | 0.27 | 228 | 417 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 0:00:06 AM | 0.27 | 227 | 405 | 6 |
| 8/15/2012 0:01:06 AM | 0.27 | 228 | 407 | 6 |
| 8/15/2012 0:02:06 AM | 0.28 | 228 | 407 | 6 |
| 8/15/2012 0:03:06 AM | 0.27 | 228 | 406 | 6 |
| 8/15/2012 0:04:06 AM | 0.27 | 228 | 407 | 6 |
| 8/15/2012 0:05:06 AM | 0.28 | 228 | 407 | 6 |
| 8/15/2012 0:06:06 AM | 0.27 | 228 | 407 | 6 |
| 8/15/2012 0:07:06 AM | 0.27 | 228 | 406 | 6 |
| 8/15/2012 0:08:06 AM | 0.27 | 230 | 406 | 6 |
| 8/15/2012 0:09:06 AM | 0.27 | 230 | 406 | 6 |
| 8/15/2012 0:10:06 AM | 0.27 | 231 | 405 | 6 |
| 8/15/2012 0:11:06 AM | 0.28 | 231 | 407 | 6 |
| 8/15/2012 0:12:06 AM | 0.27 | 231 | 407 | 6 |
| 8/15/2012 0:13:06 AM | 0.28 | 232 | 408 | 6 |
| 8/15/2012 0:14:06 AM | 0.27 | 231 | 408 | 6 |
| 8/15/2012 0:15:06 AM | 0.27 | 231 | 407 | 6 |
| 8/15/2012 0:16:06 AM | 0.27 | 232 | 409 | 6 |
| 8/15/2012 0:17:06 AM | 0.27 | 232 | 412 | 6 |
| 8/15/2012 0:18:06 AM | 0.27 | 232 | 412 | 6 |
| 8/15/2012 0:19:06 AM | 0.27 | 232 | 412 | 6 |
| 8/15/2012 0:20:06 AM | 0.27 | 232 | 412 | 6 |
| 8/15/2012 0:21:06 AM | 0.27 | 232 | 411 | 6 |
| 8/15/2012 0:22:06 AM | 0.28 | 232 | 412 | 6 |
| 8/15/2012 0:23:06 AM | 0.27 | 232 | 412 | 6 |
| 8/15/2012 0:24:06 AM | 0.27 | 232 | 412 | 6 |
| 8/15/2012 0:25:06 AM | 0.27 | 231 | 413 | 6 |
| 8/15/2012 0:26:06 AM | 0.27 | 231 | 414 | 6 |
| 8/15/2012 0:27:06 AM | 0.27 | 231 | 417 | 6 |
| 8/15/2012 0:28:06 AM | 0.27 | 231 | 418 | 6 |
| 8/15/2012 0:29:06 AM | 0.27 | 231 | 418 | 6 |
| 8/15/2012 0:30:06 AM | 0.27 | 231 | 418 | 6 |
| 8/15/2012 0:31:06 AM | 0.28 | 231 | 418 | 6 |
| 8/15/2012 0:32:06 AM | 0.27 | 232 | 419 | 6 |
| 8/15/2012 0:33:06 AM | 0.27 | 232 | 417 | 6 |
| 8/15/2012 0:34:06 AM | 0.27 | 232 | 418 | 6 |
| 8/15/2012 0:35:06 AM | 0.28 | 233 | 418 | 6 |
| 8/15/2012 0:36:06 AM | 0.27 | 233 | 417 | 6 |
| 8/15/2012 0:37:06 AM | 0.27 | 233 | 417 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 0:38:06 AM | 0.27 | 233 | 418 | 6 |
| 8/15/2012 0:39:06 AM | 0.27 | 233 | 417 | 6 |
| 8/15/2012 0:40:06 AM | 0.27 | 233 | 418 | 6 |
| 8/15/2012 0:41:06 AM | 0.27 | 233 | 417 | 6 |
| 8/15/2012 0:42:06 AM | 0.27 | 232 | 418 | 6 |
| 8/15/2012 0:43:06 AM | 0.27 | 231 | 417 | 6 |
| 8/15/2012 0:44:06 AM | 0.28 | 231 | 418 | 6 |
| 8/15/2012 0:45:06 AM | 0.27 | 231 | 417 | 6 |
| 8/15/2012 0:46:06 AM | 0.27 | 231 | 418 | 6 |
| 8/15/2012 0:47:06 AM | 0.27 | 231 | 416 | 6 |
| 8/15/2012 0:48:06 AM | 0.27 | 231 | 417 | 6 |
| 8/15/2012 0:49:06 AM | 0.27 | 231 | 417 | 6 |
| 8/15/2012 0:50:06 AM | 0.27 | 231 | 416 | 6 |
| 8/15/2012 0:51:06 AM | 0.28 | 231 | 417 | 6 |
| 8/15/2012 0:52:06 AM | 0.27 | 230 | 418 | 6 |
| 8/15/2012 0:53:06 AM | 0.27 | 231 | 418 | 6 |
| 8/15/2012 0:54:06 AM | 0.28 | 231 | 418 | 6 |
| 8/15/2012 0:55:06 AM | 0.27 | 231 | 420 | 6 |
| 8/15/2012 0:56:06 AM | 0.27 | 231 | 421 | 6 |
| 8/15/2012 0:57:06 AM | 0.27 | 230 | 421 | 6 |
| 8/15/2012 0:58:06 AM | 0.28 | 229 | 422 | 6 |
| 8/15/2012 0:59:06 AM | 0.28 | 229 | 422 | 6 |
| 8/15/2012 1:00:06 AM | 0.28 | 228 | 421 | 6 |
| 8/15/2012 1:01:06 AM | 0.27 | 227 | 421 | 6 |
| 8/15/2012 1:02:06 AM | 0.27 | 227 | 421 | 6 |
| 8/15/2012 1:03:06 AM | 0.27 | 227 | 419 | 6 |
| 8/15/2012 1:04:06 AM | 0.28 | 227 | 417 | 6 |
| 8/15/2012 1:05:06 AM | 0.27 | 227 | 418 | 6 |
| 8/15/2012 1:06:06 AM | 0.28 | 227 | 417 | 6 |
| 8/15/2012 1:07:06 AM | 0.27 | 226 | 413 | 6 |
| 8/15/2012 1:08:06 AM | 0.27 | 227 | 413 | 6 |
| 8/15/2012 1:09:06 AM | 0.28 | 228 | 413 | 6 |
| 8/15/2012 1:10:06 AM | 0.27 | 228 | 413 | 6 |
| 8/15/2012 1:11:06 AM | 0.27 | 228 | 413 | 6 |
| 8/15/2012 1:12:06 AM | 0.27 | 228 | 413 | 6 |
| 8/15/2012 1:13:06 AM | 0.27 | 229 | 413 | 6 |
| 8/15/2012 1:14:06 AM | 0.27 | 229 | 412 | 6 |
| 8/15/2012 1:15:06 AM | 0.27 | 228 | 413 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 1:16:06 AM | 0.28 | 228 | 412 | 6 |
| 8/15/2012 1:17:06 AM | 0.27 | 228 | 411 | 6 |
| 8/15/2012 1:18:06 AM | 0.27 | 228 | 411 | 6 |
| 8/15/2012 1:19:06 AM | 0.27 | 228 | 411 | 6 |
| 8/15/2012 1:20:06 AM | 0.27 | 228 | 411 | 6 |
| 8/15/2012 1:21:06 AM | 0.28 | 229 | 411 | 6 |
| 8/15/2012 1:22:06 AM | 0.27 | 229 | 409 | 6 |
| 8/15/2012 1:23:06 AM | 0.27 | 230 | 409 | 6 |
| 8/15/2012 1:24:06 AM | 0.27 | 229 | 410 | 6 |
| 8/15/2012 1:25:06 AM | 0.27 | 229 | 409 | 6 |
| 8/15/2012 1:26:06 AM | 0.28 | 230 | 410 | 6 |
| 8/15/2012 1:27:06 AM | 0.27 | 230 | 410 | 6 |
| 8/15/2012 1:28:06 AM | 0.28 | 229 | 412 | 6 |
| 8/15/2012 1:29:06 AM | 0.27 | 229 | 412 | 6 |
| 8/15/2012 1:30:06 AM | 0.28 | 229 | 413 | 6 |
| 8/15/2012 1:31:06 AM | 0.27 | 230 | 414 | 6 |
| 8/15/2012 1:32:06 AM | 0.27 | 230 | 413 | 6 |
| 8/15/2012 1:33:06 AM | 0.27 | 230 | 413 | 6 |
| 8/15/2012 1:34:06 AM | 0.27 | 231 | 414 | 6 |
| 8/15/2012 1:35:06 AM | 0.28 | 232 | 414 | 6 |
| 8/15/2012 1:36:06 AM | 0.27 | 232 | 414 | 6 |
| 8/15/2012 1:37:06 AM | 0.27 | 232 | 414 | 6 |
| 8/15/2012 1:38:06 AM | 0.27 | 232 | 414 | 6 |
| 8/15/2012 1:39:06 AM | 0.28 | 232 | 414 | 6 |
| 8/15/2012 1:40:06 AM | 0.27 | 232 | 417 | 6 |
| 8/15/2012 1:41:06 AM | 0.27 | 231 | 417 | 6 |
| 8/15/2012 1:42:06 AM | 0.27 | 231 | 417 | 6 |
| 8/15/2012 1:43:06 AM | 0.27 | 231 | 418 | 6 |
| 8/15/2012 1:44:06 AM | 0.27 | 230 | 416 | 6 |
| 8/15/2012 1:45:06 AM | 0.27 | 230 | 415 | 6 |
| 8/15/2012 1:46:06 AM | 0.28 | 230 | 413 | 6 |
| 8/15/2012 1:47:06 AM | 0.28 | 229 | 413 | 6 |
| 8/15/2012 1:48:06 AM | 0.28 | 229 | 411 | 6 |
| 8/15/2012 1:49:06 AM | 0.27 | 229 | 409 | 6 |
| 8/15/2012 1:50:06 AM | 0.27 | 229 | 409 | 6 |
| 8/15/2012 1:51:06 AM | 0.28 | 229 | 408 | 6 |
| 8/15/2012 1:52:06 AM | 0.28 | 229 | 407 | 6 |
| 8/15/2012 1:53:06 AM | 0.28 | 229 | 406 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 1:54:06 AM | 0.27 | 228 | 407 | 6 |
| 8/15/2012 1:55:06 AM | 0.28 | 229 | 407 | 6 |
| 8/15/2012 1:56:06 AM | 0.27 | 229 | 407 | 6 |
| 8/15/2012 1:57:06 AM | 0.27 | 229 | 406 | 6 |
| 8/15/2012 1:58:06 AM | 0.27 | 228 | 406 | 6 |
| 8/15/2012 1:59:06 AM | 0.27 | 228 | 405 | 6 |
| 8/15/2012 2:00:06 AM | 0.27 | 229 | 405 | 6 |
| 8/15/2012 2:01:06 AM | 0.28 | 229 | 404 | 6 |
| 8/15/2012 2:02:06 AM | 0.28 | 229 | 403 | 6 |
| 8/15/2012 2:03:06 AM | 0.27 | 229 | 404 | 6 |
| 8/15/2012 2:04:06 AM | 0.27 | 229 | 404 | 6 |
| 8/15/2012 2:05:06 AM | 0.27 | 230 | 405 | 6 |
| 8/15/2012 2:06:06 AM | 0.27 | 230 | 407 | 6 |
| 8/15/2012 2:07:06 AM | 0.27 | 230 | 407 | 6 |
| 8/15/2012 2:08:06 AM | 0.27 | 230 | 409 | 6 |
| 8/15/2012 2:09:06 AM | 0.27 | 230 | 408 | 6 |
| 8/15/2012 2:10:06 AM | 0.27 | 231 | 411 | 6 |
| 8/15/2012 2:11:06 AM | 0.27 | 231 | 410 | 6 |
| 8/15/2012 2:12:06 AM | 0.27 | 232 | 413 | 6 |
| 8/15/2012 2:13:06 AM | 0.27 | 232 | 412 | 6 |
| 8/15/2012 2:14:06 AM | 0.27 | 232 | 414 | 6 |
| 8/15/2012 2:15:06 AM | 0.27 | 232 | 413 | 6 |
| 8/15/2012 2:16:06 AM | 0.27 | 232 | 414 | 6 |
| 8/15/2012 2:17:06 AM | 0.27 | 232 | 416 | 6 |
| 8/15/2012 2:18:06 AM | 0.27 | 232 | 416 | 6 |
| 8/15/2012 2:19:06 AM | 0.27 | 232 | 417 | 6 |
| 8/15/2012 2:20:06 AM | 0.27 | 233 | 418 | 6 |
| 8/15/2012 2:21:06 AM | 0.27 | 233 | 417 | 6 |
| 8/15/2012 2:22:06 AM | 0.27 | 233 | 418 | 6 |
| 8/15/2012 2:23:06 AM | 0.27 | 233 | 417 | 6 |
| 8/15/2012 2:24:06 AM | 0.27 | 233 | 417 | 6 |
| 8/15/2012 2:25:06 AM | 0.27 | 233 | 417 | 6 |
| 8/15/2012 2:26:06 AM | 0.27 | 232 | 417 | 6 |
| 8/15/2012 2:27:06 AM | 0.27 | 232 | 416 | 6 |
| 8/15/2012 2:28:06 AM | 0.27 | 232 | 414 | 6 |
| 8/15/2012 2:29:06 AM | 0.27 | 232 | 413 | 6 |
| 8/15/2012 2:30:06 AM | 0.28 | 231 | 412 | 6 |
| 8/15/2012 2:31:06 AM | 0.27 | 230 | 411 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 2:32:06 AM | 0.28 | 229 | 409 | 6 |
| 8/15/2012 2:33:06 AM | 0.28 | 229 | 407 | 6 |
| 8/15/2012 2:34:06 AM | 0.28 | 228 | 407 | 6 |
| 8/15/2012 2:35:06 AM | 0.27 | 227 | 405 | 6 |
| 8/15/2012 2:36:06 AM | 0.28 | 226 | 403 | 6 |
| 8/15/2012 2:37:06 AM | 0.27 | 227 | 403 | 6 |
| 8/15/2012 2:38:06 AM | 0.27 | 226 | 404 | 6 |
| 8/15/2012 2:39:06 AM | 0.28 | 226 | 403 | 6 |
| 8/15/2012 2:40:06 AM | 0.27 | 226 | 402 | 6 |
| 8/15/2012 2:41:06 AM | 0.28 | 226 | 400 | 6 |
| 8/15/2012 2:42:06 AM | 0.28 | 225 | 399 | 6 |
| 8/15/2012 2:43:06 AM | 0.28 | 224 | 398 | 6 |
| 8/15/2012 2:44:06 AM | 0.27 | 224 | 397 | 6 |
| 8/15/2012 2:45:06 AM | 0.27 | 224 | 398 | 6 |
| 8/15/2012 2:46:06 AM | 0.28 | 224 | 396 | 6 |
| 8/15/2012 2:47:06 AM | 0.28 | 224 | 396 | 6 |
| 8/15/2012 2:48:06 AM | 0.27 | 224 | 395 | 6 |
| 8/15/2012 2:49:06 AM | 0.28 | 225 | 393 | 6 |
| 8/15/2012 2:50:06 AM | 0.27 | 225 | 393 | 6 |
| 8/15/2012 2:51:06 AM | 0.28 | 225 | 392 | 6 |
| 8/15/2012 2:52:06 AM | 0.27 | 224 | 393 | 6 |
| 8/15/2012 2:53:06 AM | 0.27 | 223 | 393 | 6 |
| 8/15/2012 2:54:06 AM | 0.28 | 223 | 392 | 6 |
| 8/15/2012 2:55:06 AM | 0.28 | 223 | 392 | 6 |
| 8/15/2012 2:56:06 AM | 0.27 | 223 | 393 | 6 |
| 8/15/2012 2:57:06 AM | 0.28 | 223 | 393 | 6 |
| 8/15/2012 2:58:06 AM | 0.28 | 222 | 392 | 6 |
| 8/15/2012 2:59:06 AM | 0.28 | 223 | 392 | 6 |
| 8/15/2012 3:00:06 AM | 0.28 | 223 | 392 | 6 |
| 8/15/2012 3:01:06 AM | 0.28 | 223 | 392 | 6 |
| 8/15/2012 3:02:06 AM | 0.28 | 223 | 393 | 6 |
| 8/15/2012 3:03:06 AM | 0.27 | 223 | 395 | 5 |
| 8/15/2012 3:04:06 AM | 0.28 | 223 | 397 | 5 |
| 8/15/2012 3:05:06 AM | 0.28 | 223 | 397 | 6 |
| 8/15/2012 3:06:06 AM | 0.28 | 223 | 397 | 6 |
| 8/15/2012 3:07:06 AM | 0.28 | 222 | 397 | 6 |
| 8/15/2012 3:08:06 AM | 0.28 | 223 | 397 | 6 |
| 8/15/2012 3:09:06 AM | 0.28 | 222 | 398 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 3:10:06 AM | 0.28 | 222 | 397 | 6 |
| 8/15/2012 3:11:06 AM | 0.28 | 222 | 398 | 6 |
| 8/15/2012 3:12:06 AM | 0.28 | 223 | 398 | 6 |
| 8/15/2012 3:13:06 AM | 0.28 | 223 | 398 | 6 |
| 8/15/2012 3:14:06 AM | 0.28 | 223 | 399 | 6 |
| 8/15/2012 3:15:06 AM | 0.28 | 222 | 402 | 6 |
| 8/15/2012 3:16:06 AM | 0.28 | 223 | 402 | 6 |
| 8/15/2012 3:17:06 AM | 0.28 | 224 | 402 | 6 |
| 8/15/2012 3:18:06 AM | 0.27 | 225 | 403 | 6 |
| 8/15/2012 3:19:06 AM | 0.28 | 225 | 403 | 6 |
| 8/15/2012 3:20:06 AM | 0.27 | 226 | 403 | 6 |
| 8/15/2012 3:21:06 AM | 0.28 | 227 | 402 | 6 |
| 8/15/2012 3:22:06 AM | 0.27 | 227 | 403 | 6 |
| 8/15/2012 3:23:06 AM | 0.27 | 228 | 404 | 6 |
| 8/15/2012 3:24:06 AM | 0.27 | 227 | 405 | 6 |
| 8/15/2012 3:25:06 AM | 0.27 | 228 | 407 | 6 |
| 8/15/2012 3:26:06 AM | 0.27 | 228 | 407 | 6 |
| 8/15/2012 3:27:06 AM | 0.27 | 229 | 407 | 6 |
| 8/15/2012 3:28:06 AM | 0.28 | 229 | 408 | 6 |
| 8/15/2012 3:29:06 AM | 0.28 | 229 | 408 | 6 |
| 8/15/2012 3:30:06 AM | 0.27 | 229 | 407 | 6 |
| 8/15/2012 3:31:06 AM | 0.27 | 229 | 407 | 6 |
| 8/15/2012 3:32:06 AM | 0.27 | 229 | 408 | 6 |
| 8/15/2012 3:33:06 AM | 0.27 | 229 | 407 | 6 |
| 8/15/2012 3:34:06 AM | 0.27 | 229 | 407 | 6 |
| 8/15/2012 3:35:06 AM | 0.27 | 229 | 408 | 6 |
| 8/15/2012 3:36:06 AM | 0.27 | 229 | 407 | 6 |
| 8/15/2012 3:37:06 AM | 0.27 | 229 | 407 | 6 |
| 8/15/2012 3:38:06 AM | 0.27 | 230 | 408 | 6 |
| 8/15/2012 3:39:06 AM | 0.27 | 230 | 408 | 6 |
| 8/15/2012 3:40:06 AM | 0.27 | 229 | 408 | 6 |
| 8/15/2012 3:41:06 AM | 0.27 | 229 | 409 | 6 |
| 8/15/2012 3:42:06 AM | 0.28 | 229 | 410 | 6 |
| 8/15/2012 3:43:06 AM | 0.27 | 228 | 409 | 6 |
| 8/15/2012 3:44:06 AM | 0.27 | 228 | 410 | 6 |
| 8/15/2012 3:45:06 AM | 0.27 | 228 | 410 | 6 |
| 8/15/2012 3:46:06 AM | 0.28 | 228 | 410 | 6 |
| 8/15/2012 3:47:06 AM | 0.28 | 228 | 408 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 3:48:06 AM | 0.27 | 227 | 409 | 6 |
| 8/15/2012 3:49:06 AM | 0.27 | 227 | 408 | 6 |
| 8/15/2012 3:50:06 AM | 0.28 | 227 | 407 | 6 |
| 8/15/2012 3:51:06 AM | 0.27 | 227 | 407 | 6 |
| 8/15/2012 3:52:06 AM | 0.28 | 226 | 407 | 6 |
| 8/15/2012 3:53:06 AM | 0.27 | 226 | 407 | 6 |
| 8/15/2012 3:54:06 AM | 0.28 | 225 | 407 | 6 |
| 8/15/2012 3:55:06 AM | 0.28 | 224 | 404 | 6 |
| 8/15/2012 3:56:06 AM | 0.28 | 224 | 402 | 6 |
| 8/15/2012 3:57:06 AM | 0.28 | 223 | 401 | 6 |
| 8/15/2012 3:58:06 AM | 0.27 | 223 | 400 | 6 |
| 8/15/2012 3:59:06 AM | 0.28 | 223 | 398 | 6 |
| 8/15/2012 4:00:06 AM | 0.28 | 223 | 397 | 6 |
| 8/15/2012 4:01:06 AM | 0.28 | 223 | 396 | 6 |
| 8/15/2012 4:02:06 AM | 0.28 | 223 | 395 | 6 |
| 8/15/2012 4:03:06 AM | 0.28 | 223 | 393 | 6 |
| 8/15/2012 4:04:06 AM | 0.27 | 221 | 392 | 6 |
| 8/15/2012 4:05:06 AM | 0.27 | 221 | 390 | 6 |
| 8/15/2012 4:06:06 AM | 0.27 | 221 | 388 | 6 |
| 8/15/2012 4:07:06 AM | 0.28 | 221 | 387 | 6 |
| 8/15/2012 4:08:06 AM | 0.27 | 220 | 387 | 6 |
| 8/15/2012 4:09:06 AM | 0.28 | 221 | 385 | 6 |
| 8/15/2012 4:10:06 AM | 0.28 | 221 | 385 | 6 |
| 8/15/2012 4:11:06 AM | 0.27 | 221 | 383 | 6 |
| 8/15/2012 4:12:06 AM | 0.27 | 221 | 383 | 6 |
| 8/15/2012 4:13:06 AM | 0.27 | 222 | 383 | 6 |
| 8/15/2012 4:14:06 AM | 0.28 | 222 | 383 | 6 |
| 8/15/2012 4:15:06 AM | 0.27 | 222 | 383 | 6 |
| 8/15/2012 4:16:06 AM | 0.27 | 222 | 386 | 6 |
| 8/15/2012 4:17:06 AM | 0.27 | 222 | 386 | 5 |
| 8/15/2012 4:18:06 AM | 0.27 | 222 | 388 | 5 |
| 8/15/2012 4:19:06 AM | 0.28 | 222 | 388 | 5 |
| 8/15/2012 4:20:06 AM | 0.28 | 222 | 389 | 5 |
| 8/15/2012 4:21:06 AM | 0.28 | 221 | 391 | 5 |
| 8/15/2012 4:22:06 AM | 0.28 | 221 | 392 | 5 |
| 8/15/2012 4:23:06 AM | 0.28 | 221 | 390 | 5 |
| 8/15/2012 4:24:06 AM | 0.28 | 221 | 393 | 5 |
| 8/15/2012 4:25:06 AM | 0.28 | 221 | 392 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 4:26:06 AM | 0.28 | 221 | 392 | 5 |
| 8/15/2012 4:27:06 AM | 0.28 | 221 | 392 | 5 |
| 8/15/2012 4:28:06 AM | 0.28 | 222 | 392 | 5 |
| 8/15/2012 4:29:06 AM | 0.28 | 222 | 392 | 6 |
| 8/15/2012 4:30:06 AM | 0.28 | 222 | 391 | 6 |
| 8/15/2012 4:31:06 AM | 0.28 | 222 | 391 | 6 |
| 8/15/2012 4:32:06 AM | 0.28 | 222 | 390 | 6 |
| 8/15/2012 4:33:06 AM | 0.28 | 222 | 390 | 6 |
| 8/15/2012 4:34:06 AM | 0.28 | 222 | 391 | 6 |
| 8/15/2012 4:35:06 AM | 0.28 | 222 | 389 | 6 |
| 8/15/2012 4:36:06 AM | 0.28 | 222 | 389 | 6 |
| 8/15/2012 4:37:06 AM | 0.28 | 222 | 388 | 6 |
| 8/15/2012 4:38:06 AM | 0.28 | 223 | 388 | 6 |
| 8/15/2012 4:39:06 AM | 0.28 | 223 | 387 | 6 |
| 8/15/2012 4:40:06 AM | 0.28 | 223 | 387 | 6 |
| 8/15/2012 4:41:06 AM | 0.28 | 224 | 387 | 6 |
| 8/15/2012 4:42:06 AM | 0.27 | 224 | 387 | 6 |
| 8/15/2012 4:43:06 AM | 0.27 | 224 | 388 | 6 |
| 8/15/2012 4:44:06 AM | 0.28 | 224 | 387 | 6 |
| 8/15/2012 4:45:06 AM | 0.27 | 224 | 387 | 6 |
| 8/15/2012 4:46:06 AM | 0.28 | 224 | 387 | 6 |
| 8/15/2012 4:47:06 AM | 0.27 | 224 | 387 | 6 |
| 8/15/2012 4:48:06 AM | 0.28 | 224 | 387 | 6 |
| 8/15/2012 4:49:06 AM | 0.27 | 224 | 388 | 6 |
| 8/15/2012 4:50:06 AM | 0.27 | 224 | 388 | 6 |
| 8/15/2012 4:51:06 AM | 0.28 | 224 | 388 | 6 |
| 8/15/2012 4:52:06 AM | 0.28 | 225 | 388 | 6 |
| 8/15/2012 4:53:06 AM | 0.28 | 226 | 390 | 5 |
| 8/15/2012 4:54:06 AM | 0.28 | 226 | 391 | 5 |
| 8/15/2012 4:55:06 AM | 0.27 | 227 | 392 | 5 |
| 8/15/2012 4:56:06 AM | 0.27 | 227 | 393 | 5 |
| 8/15/2012 4:57:06 AM | 0.27 | 227 | 393 | 5 |
| 8/15/2012 4:58:06 AM | 0.27 | 227 | 393 | 5 |
| 8/15/2012 4:59:06 AM | 0.27 | 227 | 394 | 5 |
| 8/15/2012 5:00:06 AM | 0.27 | 227 | 395 | 5 |
| 8/15/2012 5:01:06 AM | 0.28 | 227 | 397 | 5 |
| 8/15/2012 5:02:06 AM | 0.28 | 226 | 397 | 5 |
| 8/15/2012 5:03:06 AM | 0.27 | 225 | 397 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 5:04:06 AM | 0.28 | 225 | 397 | 5 |
| 8/15/2012 5:05:06 AM | 0.28 | 224 | 397 | 6 |
| 8/15/2012 5:06:06 AM | 0.28 | 224 | 397 | 6 |
| 8/15/2012 5:07:06 AM | 0.27 | 224 | 396 | 6 |
| 8/15/2012 5:08:06 AM | 0.28 | 224 | 396 | 6 |
| 8/15/2012 5:09:06 AM | 0.28 | 224 | 398 | 6 |
| 8/15/2012 5:10:06 AM | 0.28 | 225 | 396 | 6 |
| 8/15/2012 5:11:06 AM | 0.27 | 226 | 394 | 6 |
| 8/15/2012 5:12:06 AM | 0.28 | 226 | 393 | 6 |
| 8/15/2012 5:13:06 AM | 0.28 | 227 | 392 | 6 |
| 8/15/2012 5:14:06 AM | 0.27 | 227 | 394 | 6 |
| 8/15/2012 5:15:06 AM | 0.27 | 228 | 393 | 6 |
| 8/15/2012 5:16:06 AM | 0.27 | 228 | 394 | 6 |
| 8/15/2012 5:17:06 AM | 0.27 | 228 | 394 | 6 |
| 8/15/2012 5:18:06 AM | 0.27 | 228 | 394 | 6 |
| 8/15/2012 5:19:06 AM | 0.27 | 228 | 394 | 6 |
| 8/15/2012 5:20:06 AM | 0.27 | 228 | 395 | 6 |
| 8/15/2012 5:21:06 AM | 0.28 | 228 | 393 | 6 |
| 8/15/2012 5:22:06 AM | 0.28 | 228 | 394 | 6 |
| 8/15/2012 5:23:06 AM | 0.28 | 227 | 393 | 6 |
| 8/15/2012 5:24:06 AM | 0.28 | 227 | 395 | 6 |
| 8/15/2012 5:25:06 AM | 0.28 | 226 | 396 | 6 |
| 8/15/2012 5:26:06 AM | 0.28 | 226 | 397 | 5 |
| 8/15/2012 5:27:06 AM | 0.28 | 225 | 397 | 5 |
| 8/15/2012 5:28:06 AM | 0.28 | 223 | 397 | 5 |
| 8/15/2012 5:29:06 AM | 0.28 | 222 | 395 | 5 |
| 8/15/2012 5:30:06 AM | 0.27 | 222 | 394 | 5 |
| 8/15/2012 5:31:06 AM | 0.28 | 222 | 394 | 5 |
| 8/15/2012 5:32:06 AM | 0.28 | 222 | 394 | 5 |
| 8/15/2012 5:33:06 AM | 0.27 | 223 | 395 | 5 |
| 8/15/2012 5:34:06 AM | 0.27 | 224 | 395 | 5 |
| 8/15/2012 5:35:06 AM | 0.28 | 224 | 395 | 5 |
| 8/15/2012 5:36:06 AM | 0.28 | 224 | 396 | 5 |
| 8/15/2012 5:37:06 AM | 0.28 | 224 | 396 | 5 |
| 8/15/2012 5:38:06 AM | 0.28 | 225 | 397 | 5 |
| 8/15/2012 5:39:06 AM | 0.28 | 225 | 398 | 5 |
| 8/15/2012 5:40:06 AM | 0.27 | 226 | 397 | 5 |
| 8/15/2012 5:41:06 AM | 0.27 | 226 | 398 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 5:42:06 AM | 0.27 | 226 | 398 | 6 |
| 8/15/2012 5:43:06 AM | 0.28 | 226 | 400 | 6 |
| 8/15/2012 5:44:06 AM | 0.27 | 227 | 401 | 6 |
| 8/15/2012 5:45:06 AM | 0.28 | 226 | 400 | 6 |
| 8/15/2012 5:46:06 AM | 0.27 | 227 | 399 | 6 |
| 8/15/2012 5:47:06 AM | 0.28 | 226 | 398 | 6 |
| 8/15/2012 5:48:06 AM | 0.28 | 227 | 397 | 6 |
| 8/15/2012 5:49:06 AM | 0.27 | 228 | 397 | 6 |
| 8/15/2012 5:50:06 AM | 0.28 | 228 | 397 | 6 |
| 8/15/2012 5:51:06 AM | 0.27 | 228 | 397 | 6 |
| 8/15/2012 5:52:06 AM | 0.28 | 228 | 397 | 6 |
| 8/15/2012 5:53:06 AM | 0.27 | 228 | 397 | 6 |
| 8/15/2012 5:54:06 AM | 0.28 | 228 | 396 | 6 |
| 8/15/2012 5:55:06 AM | 0.27 | 228 | 397 | 6 |
| 8/15/2012 5:56:06 AM | 0.27 | 228 | 397 | 6 |
| 8/15/2012 5:57:06 AM | 0.28 | 227 | 396 | 6 |
| 8/15/2012 5:58:06 AM | 0.28 | 227 | 397 | 6 |
| 8/15/2012 5:59:06 AM | 0.27 | 226 | 397 | 5 |
| 8/15/2012 6:00:06 AM | 0.28 | 225 | 397 | 5 |
| 8/15/2012 6:01:06 AM | 0.27 | 224 | 397 | 5 |
| 8/15/2012 6:02:06 AM | 0.27 | 224 | 397 | 5 |
| 8/15/2012 6:03:06 AM | 0.28 | 224 | 397 | 5 |
| 8/15/2012 6:04:06 AM | 0.28 | 224 | 397 | 5 |
| 8/15/2012 6:05:06 AM | 0.28 | 224 | 396 | 5 |
| 8/15/2012 6:06:06 AM | 0.27 | 223 | 396 | 5 |
| 8/15/2012 6:07:06 AM | 0.28 | 223 | 394 | 5 |
| 8/15/2012 6:08:06 AM | 0.28 | 223 | 394 | 5 |
| 8/15/2012 6:09:06 AM | 0.27 | 223 | 393 | 5 |
| 8/15/2012 6:10:06 AM | 0.28 | 223 | 395 | 5 |
| 8/15/2012 6:11:06 AM | 0.28 | 223 | 395 | 5 |
| 8/15/2012 6:12:06 AM | 0.27 | 223 | 395 | 5 |
| 8/15/2012 6:13:06 AM | 0.28 | 223 | 396 | 5 |
| 8/15/2012 6:14:06 AM | 0.28 | 223 | 393 | 5 |
| 8/15/2012 6:15:06 AM | 0.27 | 223 | 394 | 6 |
| 8/15/2012 6:16:06 AM | 0.28 | 224 | 393 | 6 |
| 8/15/2012 6:17:06 AM | 0.28 | 224 | 394 | 6 |
| 8/15/2012 6:18:06 AM | 0.28 | 224 | 394 | 6 |
| 8/15/2012 6:19:06 AM | 0.28 | 225 | 393 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 6:20:06 AM | 0.28 | 225 | 393 | 6 |
| 8/15/2012 6:21:06 AM | 0.28 | 225 | 392 | 6 |
| 8/15/2012 6:22:06 AM | 0.28 | 225 | 391 | 6 |
| 8/15/2012 6:23:06 AM | 0.27 | 226 | 391 | 5 |
| 8/15/2012 6:24:06 AM | 0.28 | 226 | 391 | 5 |
| 8/15/2012 6:25:06 AM | 0.28 | 226 | 393 | 5 |
| 8/15/2012 6:26:06 AM | 0.28 | 225 | 392 | 5 |
| 8/15/2012 6:27:06 AM | 0.28 | 226 | 392 | 5 |
| 8/15/2012 6:28:06 AM | 0.28 | 226 | 393 | 5 |
| 8/15/2012 6:29:06 AM | 0.28 | 226 | 392 | 6 |
| 8/15/2012 6:30:06 AM | 0.28 | 225 | 393 | 6 |
| 8/15/2012 6:31:06 AM | 0.28 | 225 | 392 | 6 |
| 8/15/2012 6:32:06 AM | 0.28 | 224 | 393 | 6 |
| 8/15/2012 6:33:06 AM | 0.27 | 224 | 392 | 6 |
| 8/15/2012 6:34:06 AM | 0.28 | 224 | 391 | 6 |
| 8/15/2012 6:35:06 AM | 0.28 | 225 | 388 | 6 |
| 8/15/2012 6:36:06 AM | 0.28 | 225 | 388 | 6 |
| 8/15/2012 6:37:06 AM | 0.28 | 225 | 388 | 6 |
| 8/15/2012 6:38:06 AM | 0.28 | 226 | 387 | 6 |
| 8/15/2012 6:39:06 AM | 0.28 | 225 | 387 | 6 |
| 8/15/2012 6:40:06 AM | 0.28 | 225 | 387 | 6 |
| 8/15/2012 6:41:06 AM | 0.28 | 225 | 388 | 6 |
| 8/15/2012 6:42:06 AM | 0.28 | 225 | 387 | 6 |
| 8/15/2012 6:43:06 AM | 0.27 | 225 | 387 | 6 |
| 8/15/2012 6:44:06 AM | 0.28 | 225 | 388 | 5 |
| 8/15/2012 6:45:06 AM | 0.28 | 225 | 388 | 5 |
| 8/15/2012 6:46:06 AM | 0.28 | 225 | 388 | 5 |
| 8/15/2012 6:47:06 AM | 0.28 | 224 | 389 | 5 |
| 8/15/2012 6:48:06 AM | 0.27 | 224 | 390 | 5 |
| 8/15/2012 6:49:06 AM | 0.28 | 224 | 390 | 5 |
| 8/15/2012 6:50:06 AM | 0.28 | 223 | 391 | 5 |
| 8/15/2012 6:51:06 AM | 0.28 | 224 | 391 | 5 |
| 8/15/2012 6:52:06 AM | 0.28 | 223 | 392 | 5 |
| 8/15/2012 6:53:06 AM | 0.28 | 223 | 392 | 5 |
| 8/15/2012 6:54:06 AM | 0.28 | 223 | 392 | 5 |
| 8/15/2012 6:55:06 AM | 0.28 | 223 | 392 | 5 |
| 8/15/2012 6:56:06 AM | 0.28 | 222 | 393 | 5 |
| 8/15/2012 6:57:06 AM | 0.28 | 222 | 392 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 6:58:06 AM | 0.28 | 222 | 392 | 5 |
| 8/15/2012 6:59:06 AM | 0.28 | 222 | 391 | 5 |
| 8/15/2012 7:00:06 AM | 0.28 | 222 | 391 | 5 |
| 8/15/2012 7:01:06 AM | 0.28 | 223 | 392 | 5 |
| 8/15/2012 7:02:06 AM | 0.28 | 223 | 391 | 6 |
| 8/15/2012 7:03:06 AM | 0.28 | 223 | 392 | 6 |
| 8/15/2012 7:04:06 AM | 0.28 | 223 | 392 | 6 |
| 8/15/2012 7:05:06 AM | 0.28 | 222 | 392 | 6 |
| 8/15/2012 7:06:06 AM | 0.28 | 222 | 392 | 6 |
| 8/15/2012 7:07:06 AM | 0.28 | 223 | 391 | 6 |
| 8/15/2012 7:08:06 AM | 0.28 | 223 | 391 | 6 |
| 8/15/2012 7:09:06 AM | 0.28 | 224 | 392 | 6 |
| 8/15/2012 7:10:06 AM | 0.27 | 224 | 391 | 6 |
| 8/15/2012 7:11:06 AM | 0.28 | 224 | 393 | 6 |
| 8/15/2012 7:12:06 AM | 0.28 | 225 | 392 | 6 |
| 8/15/2012 7:13:06 AM | 0.27 | 224 | 392 | 6 |
| 8/15/2012 7:14:06 AM | 0.28 | 224 | 392 | 6 |
| 8/15/2012 7:15:06 AM | 0.27 | 224 | 392 | 6 |
| 8/15/2012 7:16:06 AM | 0.28 | 226 | 392 | 6 |
| 8/15/2012 7:17:06 AM | 0.28 | 226 | 392 | 5 |
| 8/15/2012 7:18:06 AM | 0.28 | 226 | 393 | 5 |
| 8/15/2012 7:19:06 AM | 0.28 | 227 | 393 | 5 |
| 8/15/2012 7:20:06 AM | 0.28 | 227 | 394 | 5 |
| 8/15/2012 7:21:06 AM | 0.28 | 226 | 395 | 5 |
| 8/15/2012 7:22:06 AM | 0.28 | 226 | 393 | 5 |
| 8/15/2012 7:23:06 AM | 0.28 | 225 | 393 | 5 |
| 8/15/2012 7:24:06 AM | 0.28 | 225 | 393 | 5 |
| 8/15/2012 7:25:06 AM | 0.28 | 224 | 393 | 5 |
| 8/15/2012 7:26:06 AM | 0.28 | 224 | 392 | 5 |
| 8/15/2012 7:27:06 AM | 0.28 | 223 | 392 | 5 |
| 8/15/2012 7:28:06 AM | 0.28 | 223 | 393 | 5 |
| 8/15/2012 7:29:06 AM | 0.28 | 223 | 392 | 5 |
| 8/15/2012 7:30:06 AM | 0.28 | 223 | 392 | 5 |
| 8/15/2012 7:31:06 AM | 0.28 | 223 | 392 | 5 |
| 8/15/2012 7:32:06 AM | 0.28 | 223 | 392 | 5 |
| 8/15/2012 7:33:06 AM | 0.28 | 223 | 391 | 5 |
| 8/15/2012 7:34:06 AM | 0.28 | 223 | 390 | 5 |
| 8/15/2012 7:35:06 AM | 0.28 | 222 | 389 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 7:36:06 AM | 0.28 | 222 | 388 | 5 |
| 8/15/2012 7:37:06 AM | 0.28 | 223 | 387 | 5 |
| 8/15/2012 7:38:06 AM | 0.28 | 223 | 388 | 5 |
| 8/15/2012 7:39:06 AM | 0.28 | 223 | 387 | 5 |
| 8/15/2012 7:40:06 AM | 0.28 | 222 | 388 | 5 |
| 8/15/2012 7:41:06 AM | 0.28 | 222 | 387 | 5 |
| 8/15/2012 7:42:06 AM | 0.28 | 222 | 388 | 5 |
| 8/15/2012 7:43:06 AM | 0.28 | 222 | 388 | 5 |
| 8/15/2012 7:44:06 AM | 0.28 | 223 | 388 | 5 |
| 8/15/2012 7:45:06 AM | 0.27 | 224 | 388 | 5 |
| 8/15/2012 7:46:06 AM | 0.28 | 224 | 388 | 5 |
| 8/15/2012 7:47:06 AM | 0.28 | 223 | 387 | 5 |
| 8/15/2012 7:48:06 AM | 0.28 | 223 | 387 | 5 |
| 8/15/2012 7:49:06 AM | 0.28 | 223 | 387 | 5 |
| 8/15/2012 7:50:06 AM | 0.28 | 223 | 387 | 5 |
| 8/15/2012 7:51:06 AM | 0.28 | 223 | 387 | 5 |
| 8/15/2012 7:52:06 AM | 0.28 | 225 | 388 | 5 |
| 8/15/2012 7:53:06 AM | 0.28 | 226 | 387 | 5 |
| 8/15/2012 7:54:06 AM | 0.28 | 226 | 388 | 5 |
| 8/15/2012 7:55:06 AM | 0.28 | 227 | 391 | 5 |
| 8/15/2012 7:56:06 AM | 0.28 | 227 | 392 | 5 |
| 8/15/2012 7:57:06 AM | 0.28 | 227 | 393 | 5 |
| 8/15/2012 7:58:06 AM | 0.28 | 226 | 395 | 5 |
| 8/15/2012 7:59:06 AM | 0.28 | 225 | 396 | 5 |
| 8/15/2012 8:00:06 AM | 0.28 | 225 | 395 | 5 |
| 8/15/2012 8:01:06 AM | 0.28 | 225 | 397 | 5 |
| 8/15/2012 8:02:06 AM | 0.28 | 224 | 398 | 5 |
| 8/15/2012 8:03:06 AM | 0.28 | 223 | 399 | 5 |
| 8/15/2012 8:04:06 AM | 0.28 | 224 | 398 | 5 |
| 8/15/2012 8:05:06 AM | 0.28 | 224 | 400 | 5 |
| 8/15/2012 8:06:06 AM | 0.28 | 222 | 398 | 5 |
| 8/15/2012 8:07:06 AM | 0.28 | 222 | 398 | 5 |
| 8/15/2012 8:08:06 AM | 0.28 | 222 | 398 | 5 |
| 8/15/2012 8:09:06 AM | 0.28 | 222 | 397 | 5 |
| 8/15/2012 8:10:06 AM | 0.28 | 221 | 396 | 5 |
| 8/15/2012 8:11:06 AM | 0.28 | 220 | 393 | 5 |
| 8/15/2012 8:12:06 AM | 0.28 | 221 | 394 | 5 |
| 8/15/2012 8:13:06 AM | 0.28 | 221 | 392 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 8:14:06 AM | 0.28 | 221 | 392 | 5 |
| 8/15/2012 8:15:06 AM | 0.28 | 221 | 392 | 5 |
| 8/15/2012 8:16:06 AM | 0.28 | 222 | 392 | 5 |
| 8/15/2012 8:17:06 AM | 0.28 | 222 | 391 | 5 |
| 8/15/2012 8:18:06 AM | 0.27 | 224 | 390 | 5 |
| 8/15/2012 8:19:06 AM | 0.28 | 224 | 391 | 5 |
| 8/15/2012 8:20:06 AM | 0.28 | 224 | 391 | 5 |
| 8/15/2012 8:21:06 AM | 0.28 | 224 | 390 | 5 |
| 8/15/2012 8:22:06 AM | 0.28 | 225 | 392 | 5 |
| 8/15/2012 8:23:06 AM | 0.28 | 224 | 393 | 5 |
| 8/15/2012 8:24:06 AM | 0.28 | 224 | 392 | 5 |
| 8/15/2012 8:25:06 AM | 0.28 | 225 | 393 | 5 |
| 8/15/2012 8:26:06 AM | 0.28 | 226 | 393 | 5 |
| 8/15/2012 8:27:06 AM | 0.28 | 226 | 393 | 5 |
| 8/15/2012 8:28:06 AM | 0.28 | 227 | 392 | 5 |
| 8/15/2012 8:29:06 AM | 0.28 | 227 | 394 | 5 |
| 8/15/2012 8:30:06 AM | 0.28 | 227 | 394 | 5 |
| 8/15/2012 8:31:06 AM | 0.27 | 228 | 395 | 5 |
| 8/15/2012 8:32:06 AM | 0.27 | 228 | 396 | 5 |
| 8/15/2012 8:33:06 AM | 0.28 | 228 | 395 | 5 |
| 8/15/2012 8:34:06 AM | 0.28 | 228 | 394 | 5 |
| 8/15/2012 8:35:06 AM | 0.28 | 227 | 395 | 5 |
| 8/15/2012 8:36:06 AM | 0.28 | 227 | 396 | 5 |
| 8/15/2012 8:37:06 AM | 0.28 | 227 | 397 | 5 |
| 8/15/2012 8:38:06 AM | 0.28 | 226 | 397 | 5 |
| 8/15/2012 8:39:06 AM | 0.28 | 225 | 397 | 5 |
| 8/15/2012 8:40:06 AM | 0.27 | 226 | 396 | 5 |
| 8/15/2012 8:41:06 AM | 0.28 | 225 | 395 | 5 |
| 8/15/2012 8:42:06 AM | 0.28 | 224 | 393 | 5 |
| 8/15/2012 8:43:06 AM | 0.28 | 222 | 393 | 5 |
| 8/15/2012 8:44:06 AM | 0.28 | 222 | 393 | 5 |
| 8/15/2012 8:45:06 AM | 0.28 | 222 | 393 | 5 |
| 8/15/2012 8:46:06 AM | 0.28 | 223 | 393 | 5 |
| 8/15/2012 8:47:06 AM | 0.28 | 224 | 393 | 5 |
| 8/15/2012 8:48:06 AM | 0.28 | 224 | 392 | 5 |
| 8/15/2012 8:49:06 AM | 0.28 | 224 | 394 | 5 |
| 8/15/2012 8:50:06 AM | 0.28 | 223 | 394 | 5 |
| 8/15/2012 8:51:06 AM | 0.28 | 224 | 396 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 8:52:06 AM | 0.28 | 224 | 396 | 5 |
| 8/15/2012 8:53:06 AM | 0.28 | 224 | 397 | 5 |
| 8/15/2012 8:54:06 AM | 0.28 | 224 | 396 | 5 |
| 8/15/2012 8:55:06 AM | 0.28 | 224 | 397 | 5 |
| 8/15/2012 8:56:06 AM | 0.28 | 222 | 398 | 5 |
| 8/15/2012 8:57:06 AM | 0.28 | 222 | 399 | 5 |
| 8/15/2012 8:58:06 AM | 0.28 | 222 | 399 | 5 |
| 8/15/2012 8:59:06 AM | 0.28 | 222 | 397 | 5 |
| 8/15/2012 9:00:06 AM | 0.28 | 221 | 397 | 5 |
| 8/15/2012 9:01:06 AM | 0.28 | 220 | 396 | 5 |
| 8/15/2012 9:02:06 AM | 0.28 | 220 | 396 | 5 |
| 8/15/2012 9:03:06 AM | 0.27 | 220 | 395 | 5 |
| 8/15/2012 9:04:06 AM | 0.28 | 220 | 393 | 5 |
| 8/15/2012 9:05:06 AM | 0.28 | 220 | 395 | 5 |
| 8/15/2012 9:06:06 AM | 0.27 | 220 | 392 | 5 |
| 8/15/2012 9:07:06 AM | 0.28 | 219 | 392 | 5 |
| 8/15/2012 9:08:06 AM | 0.28 | 220 | 392 | 5 |
| 8/15/2012 9:09:06 AM | 0.28 | 221 | 392 | 5 |
| 8/15/2012 9:10:06 AM | 0.29 | 222 | 392 | 5 |
| 8/15/2012 9:11:06 AM | 0.29 | 222 | 392 | 5 |
| 8/15/2012 9:12:06 AM | 0.28 | 221 | 392 | 5 |
| 8/15/2012 9:13:06 AM | 0.28 | 220 | 393 | 5 |
| 8/15/2012 9:14:06 AM | 0.28 | 219 | 393 | 5 |
| 8/15/2012 9:15:06 AM | 0.28 | 218 | 393 | 5 |
| 8/15/2012 9:16:06 AM | 0.28 | 219 | 392 | 5 |
| 8/15/2012 9:17:06 AM | 0.28 | 221 | 392 | 5 |
| 8/15/2012 9:18:06 AM | 0.28 | 221 | 392 | 5 |
| 8/15/2012 9:19:06 AM | 0.28 | 222 | 392 | 5 |
| 8/15/2012 9:20:06 AM | 0.28 | 221 | 393 | 5 |
| 8/15/2012 9:21:06 AM | 0.28 | 220 | 393 | 5 |
| 8/15/2012 9:22:06 AM | 0.28 | 220 | 392 | 5 |
| 8/15/2012 9:23:06 AM | 0.28 | 221 | 393 | 5 |
| 8/15/2012 9:24:06 AM | 0.27 | 222 | 392 | 5 |
| 8/15/2012 9:25:06 AM | 0.28 | 221 | 393 | 5 |
| 8/15/2012 9:26:06 AM | 0.28 | 221 | 393 | 5 |
| 8/15/2012 9:27:06 AM | 0.28 | 222 | 392 | 5 |
| 8/15/2012 9:28:06 AM | 0.28 | 223 | 393 | 5 |
| 8/15/2012 9:29:06 AM | 0.28 | 224 | 394 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 9:30:06 AM | 0.28 | 223 | 394 | 5 |
| 8/15/2012 9:31:06 AM | 0.28 | 222 | 394 | 5 |
| 8/15/2012 9:32:06 AM | 0.28 | 222 | 394 | 5 |
| 8/15/2012 9:33:06 AM | 0.28 | 222 | 393 | 5 |
| 8/15/2012 9:34:06 AM | 0.28 | 221 | 392 | 5 |
| 8/15/2012 9:35:06 AM | 0.28 | 222 | 392 | 5 |
| 8/15/2012 9:36:06 AM | 0.28 | 223 | 393 | 5 |
| 8/15/2012 9:37:06 AM | 0.28 | 223 | 395 | 5 |
| 8/15/2012 9:38:06 AM | 0.28 | 223 | 393 | 5 |
| 8/15/2012 9:39:06 AM | 0.28 | 223 | 393 | 5 |
| 8/15/2012 9:40:06 AM | 0.28 | 222 | 395 | 5 |
| 8/15/2012 9:41:06 AM | 0.28 | 222 | 395 | 5 |
| 8/15/2012 9:42:06 AM | 0.28 | 222 | 395 | 5 |
| 8/15/2012 9:43:06 AM | 0.28 | 223 | 396 | 5 |
| 8/15/2012 9:44:06 AM | 0.28 | 223 | 395 | 5 |
| 8/15/2012 9:45:06 AM | 0.28 | 222 | 397 | 5 |
| 8/15/2012 9:46:06 AM | 0.29 | 221 | 396 | 5 |
| 8/15/2012 9:47:06 AM | 0.28 | 220 | 396 | 5 |
| 8/15/2012 9:48:06 AM | 0.28 | 221 | 397 | 5 |
| 8/15/2012 9:49:06 AM | 0.28 | 220 | 398 | 5 |
| 8/15/2012 9:50:06 AM | 0.28 | 219 | 397 | 5 |
| 8/15/2012 9:51:06 AM | 0.28 | 217 | 397 | 5 |
| 8/15/2012 9:52:06 AM | 0.28 | 216 | 396 | 5 |
| 8/15/2012 9:53:06 AM | 0.28 | 218 | 396 | 5 |
| 8/15/2012 9:54:06 AM | 0.28 | 218 | 394 | 5 |
| 8/15/2012 9:55:06 AM | 0.28 | 219 | 394 | 5 |
| 8/15/2012 9:56:06 AM | 0.28 | 220 | 394 | 5 |
| 8/15/2012 9:57:06 AM | 0.28 | 221 | 394 | 5 |
| 8/15/2012 9:58:06 AM | 0.28 | 222 | 395 | 5 |
| 8/15/2012 9:59:06 AM | 0.28 | 221 | 395 | 5 |
| 8/15/2012 10:00:06 AM | 0.28 | 219 | 395 | 5 |
| 8/15/2012 10:01:06 AM | 0.29 | 218 | 395 | 5 |
| 8/15/2012 10:02:06 AM | 0.28 | 219 | 394 | 5 |
| 8/15/2012 10:03:06 AM | 0.28 | 220 | 393 | 5 |
| 8/15/2012 10:04:06 AM | 0.28 | 221 | 394 | 5 |
| 8/15/2012 10:05:06 AM | 0.28 | 224 | 394 | 5 |
| 8/15/2012 10:06:06 AM | 0.28 | 224 | 395 | 5 |
| 8/15/2012 10:07:06 AM | 0.28 | 224 | 397 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 10:08:06 AM | 0.28 | 223 | 395 | 5 |
| 8/15/2012 10:09:06 AM | 0.28 | 222 | 395 | 5 |
| 8/15/2012 10:10:06 AM | 0.28 | 223 | 396 | 5 |
| 8/15/2012 10:11:06 AM | 0.28 | 222 | 397 | 5 |
| 8/15/2012 10:12:06 AM | 0.28 | 222 | 395 | 5 |
| 8/15/2012 10:13:06 AM | 0.28 | 221 | 396 | 5 |
| 8/15/2012 10:14:06 AM | 0.28 | 222 | 395 | 5 |
| 8/15/2012 10:15:06 AM | 0.28 | 223 | 395 | 5 |
| 8/15/2012 10:16:06 AM | 0.28 | 224 | 396 | 5 |
| 8/15/2012 10:17:06 AM | 0.28 | 225 | 394 | 5 |
| 8/15/2012 10:18:06 AM | 0.28 | 225 | 394 | 5 |
| 8/15/2012 10:19:06 AM | 0.28 | 226 | 394 | 5 |
| 8/15/2012 10:20:06 AM | 0.28 | 226 | 393 | 5 |
| 8/15/2012 10:21:06 AM | 0.28 | 226 | 394 | 5 |
| 8/15/2012 10:22:06 AM | 0.28 | 226 | 394 | 5 |
| 8/15/2012 10:23:06 AM | 0.28 | 226 | 395 | 5 |
| 8/15/2012 10:24:06 AM | 0.28 | 226 | 396 | 5 |
| 8/15/2012 10:25:06 AM | 0.28 | 226 | 396 | 5 |
| 8/15/2012 10:26:06 AM | 0.28 | 225 | 394 | 5 |
| 8/15/2012 10:27:06 AM | 0.28 | 225 | 394 | 5 |
| 8/15/2012 10:28:06 AM | 0.28 | 225 | 393 | 5 |
| 8/15/2012 10:29:06 AM | 0.28 | 225 | 393 | 5 |
| 8/15/2012 10:30:06 AM | 0.28 | 226 | 393 | 5 |
| 8/15/2012 10:31:06 AM | 0.28 | 225 | 394 | 5 |
| 8/15/2012 10:32:06 AM | 0.28 | 225 | 393 | 5 |
| 8/15/2012 10:33:06 AM | 0.28 | 225 | 394 | 5 |
| 8/15/2012 10:34:06 AM | 0.28 | 226 | 393 | 5 |
| 8/15/2012 10:35:06 AM | 0.28 | 227 | 393 | 5 |
| 8/15/2012 10:36:06 AM | 0.28 | 227 | 394 | 5 |
| 8/15/2012 10:37:06 AM | 0.28 | 228 | 394 | 5 |
| 8/15/2012 10:38:06 AM | 0.28 | 228 | 395 | 5 |
| 8/15/2012 10:39:06 AM | 0.28 | 227 | 396 | 5 |
| 8/15/2012 10:40:06 AM | 0.28 | 227 | 396 | 5 |
| 8/15/2012 10:41:06 AM | 0.28 | 227 | 396 | 5 |
| 8/15/2012 10:42:06 AM | 0.27 | 228 | 395 | 5 |
| 8/15/2012 10:43:06 AM | 0.27 | 228 | 395 | 5 |
| 8/15/2012 10:44:06 AM | 0.28 | 226 | 396 | 5 |
| 8/15/2012 10:45:06 AM | 0.28 | 226 | 395 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 10:46:06 AM | 0.28 | 226 | 394 | 5 |
| 8/15/2012 10:47:06 AM | 0.28 | 226 | 393 | 5 |
| 8/15/2012 10:48:06 AM | 0.28 | 223 | 393 | 5 |
| 8/15/2012 10:49:06 AM | 0.28 | 215 | 392 | 5 |
| 8/15/2012 10:50:06 AM | 0.28 | 215 | 391 | 5 |
| 8/15/2012 10:51:06 AM | 0.28 | 216 | 390 | 5 |
| 8/15/2012 10:52:06 AM | 0.29 | 218 | 389 | 5 |
| 8/15/2012 10:53:06 AM | 0.28 | 219 | 389 | 5 |
| 8/15/2012 10:54:06 AM | 0.28 | 220 | 389 | 5 |
| 8/15/2012 10:55:06 AM | 0.28 | 220 | 390 | 5 |
| 8/15/2012 10:56:06 AM | 0.28 | 221 | 392 | 5 |
| 8/15/2012 10:57:06 AM | 0.28 | 222 | 392 | 5 |
| 8/15/2012 10:58:06 AM | 0.28 | 224 | 392 | 5 |
| 8/15/2012 10:59:06 AM | 0.28 | 224 | 393 | 5 |
| 8/15/2012 11:00:06 AM | 0.28 | 224 | 394 | 5 |
| 8/15/2012 11:01:06 AM | 0.28 | 226 | 394 | 5 |
| 8/15/2012 11:02:06 AM | 0.28 | 227 | 396 | 5 |
| 8/15/2012 11:03:06 AM | 0.28 | 227 | 398 | 5 |
| 8/15/2012 11:04:06 AM | 0.27 | 229 | 401 | 5 |
| 8/15/2012 11:05:06 AM | 0.28 | 229 | 402 | 5 |
| 8/15/2012 11:06:06 AM | 0.27 | 229 | 404 | 5 |
| 8/15/2012 11:07:06 AM | 0.27 | 230 | 406 | 5 |
| 8/15/2012 11:08:06 AM | 0.27 | 231 | 407 | 5 |
| 8/15/2012 11:09:06 AM | 0.27 | 231 | 408 | 5 |
| 8/15/2012 11:10:06 AM | 0.28 | 229 | 408 | 5 |
| 8/15/2012 11:11:06 AM | 0.28 | 229 | 409 | 5 |
| 8/15/2012 11:12:06 AM | 0.27 | 228 | 409 | 5 |
| 8/15/2012 11:13:06 AM | 0.28 | 227 | 409 | 5 |
| 8/15/2012 11:14:06 AM | 0.28 | 227 | 408 | 5 |
| 8/15/2012 11:15:06 AM | 0.28 | 228 | 408 | 5 |
| 8/15/2012 11:16:06 AM | 0.27 | 228 | 409 | 5 |
| 8/15/2012 11:17:06 AM | 0.28 | 228 | 409 | 5 |
| 8/15/2012 11:18:06 AM | 0.27 | 228 | 410 | 5 |
| 8/15/2012 11:19:06 AM | 0.27 | 229 | 411 | 5 |
| 8/15/2012 11:20:06 AM | 0.28 | 229 | 412 | 5 |
| 8/15/2012 11:21:06 AM | 0.28 | 228 | 411 | 5 |
| 8/15/2012 11:22:06 AM | 0.28 | 227 | 412 | 5 |
| 8/15/2012 11:23:06 AM | 0.28 | 227 | 410 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 11:24:06 AM | 0.28 | 228 | 409 | 5 |
| 8/15/2012 11:25:06 AM | 0.28 | 228 | 408 | 5 |
| 8/15/2012 11:26:06 AM | 0.28 | 228 | 408 | 5 |
| 8/15/2012 11:27:06 AM | 0.28 | 229 | 409 | 5 |
| 8/15/2012 11:28:06 AM | 0.27 | 230 | 411 | 5 |
| 8/15/2012 11:29:06 AM | 0.28 | 231 | 411 | 5 |
| 8/15/2012 11:30:06 AM | 0.28 | 232 | 410 | 5 |
| 8/15/2012 11:31:06 AM | 0.27 | 231 | 410 | 5 |
| 8/15/2012 11:32:06 AM | 0.27 | 231 | 411 | 5 |
| 8/15/2012 11:33:06 AM | 0.28 | 232 | 412 | 5 |
| 8/15/2012 11:34:06 AM | 0.27 | 231 | 413 | 5 |
| 8/15/2012 11:35:06 AM | 0.28 | 231 | 414 | 5 |
| 8/15/2012 11:36:06 AM | 0.27 | 232 | 417 | 5 |
| 8/15/2012 11:37:06 AM | 0.27 | 233 | 417 | 5 |
| 8/15/2012 11:38:06 AM | 0.27 | 235 | 417 | 5 |
| 8/15/2012 11:39:06 AM | 0.27 | 235 | 418 | 5 |
| 8/15/2012 11:40:06 AM | 0.27 | 235 | 419 | 5 |
| 8/15/2012 11:41:06 AM | 0.27 | 235 | 420 | 4 |
| 8/15/2012 11:42:06 AM | 0.28 | 234 | 419 | 4 |
| 8/15/2012 11:43:06 AM | 0.28 | 233 | 419 | 4 |
| 8/15/2012 11:44:06 AM | 0.28 | 234 | 418 | 5 |
| 8/15/2012 11:45:06 AM | 0.27 | 234 | 417 | 5 |
| 8/15/2012 11:46:06 AM | 0.27 | 234 | 416 | 5 |
| 8/15/2012 11:47:06 AM | 0.28 | 233 | 417 | 5 |
| 8/15/2012 11:48:06 AM | 0.28 | 232 | 414 | 5 |
| 8/15/2012 11:49:06 AM | 0.28 | 231 | 413 | 5 |
| 8/15/2012 11:50:06 AM | 0.28 | 230 | 412 | 4 |
| 8/15/2012 11:51:06 AM | 0.28 | 230 | 411 | 4 |
| 8/15/2012 11:52:06 AM | 0.28 | 230 | 409 | 4 |
| 8/15/2012 11:53:06 AM | 0.27 | 230 | 408 | 5 |
| 8/15/2012 11:54:06 AM | 0.28 | 229 | 407 | 5 |
| 8/15/2012 11:55:06 AM | 0.28 | 228 | 408 | 5 |
| 8/15/2012 11:56:06 AM | 0.28 | 228 | 407 | 5 |
| 8/15/2012 11:57:06 AM | 0.28 | 228 | 406 | 5 |
| 8/15/2012 11:58:06 AM | 0.28 | 228 | 406 | 5 |
| 8/15/2012 11:59:06 AM | 0.28 | 225 | 405 | 4 |
| 8/15/2012 12:00:06 PM | 0.28 | 223 | 402 | 4 |
| 8/15/2012 12:01:06 PM | 0.28 | 222 | 400 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 12:02:06 PM | 0.28 | 222 | 399 | 4 |
| 8/15/2012 12:03:06 PM | 0.28 | 223 | 397 | 4 |
| 8/15/2012 12:04:06 PM | 0.28 | 224 | 397 | 4 |
| 8/15/2012 12:05:06 PM | 0.28 | 225 | 397 | 4 |
| 8/15/2012 12:06:06 PM | 0.28 | 226 | 398 | 4 |
| 8/15/2012 12:07:06 PM | 0.28 | 225 | 398 | 4 |
| 8/15/2012 12:08:06 PM | 0.28 | 224 | 396 | 4 |
| 8/15/2012 12:09:06 PM | 0.28 | 224 | 395 | 4 |
| 8/15/2012 12:10:06 PM | 0.28 | 223 | 394 | 4 |
| 8/15/2012 12:11:06 PM | 0.28 | 223 | 396 | 4 |
| 8/15/2012 12:12:06 PM | 0.28 | 223 | 398 | 4 |
| 8/15/2012 12:13:06 PM | 0.28 | 224 | 398 | 4 |
| 8/15/2012 12:14:06 PM | 0.28 | 225 | 399 | 4 |
| 8/15/2012 12:15:06 PM | 0.28 | 224 | 400 | 4 |
| 8/15/2012 12:16:06 PM | 0.28 | 224 | 401 | 4 |
| 8/15/2012 12:17:06 PM | 0.28 | 224 | 403 | 4 |
| 8/15/2012 12:18:06 PM | 0.28 | 224 | 404 | 4 |
| 8/15/2012 12:19:06 PM | 0.28 | 223 | 403 | 4 |
| 8/15/2012 12:20:06 PM | 0.28 | 223 | 402 | 4 |
| 8/15/2012 12:21:06 PM | 0.28 | 223 | 402 | 4 |
| 8/15/2012 12:22:06 PM | 0.28 | 223 | 403 | 4 |
| 8/15/2012 12:23:06 PM | 0.28 | 223 | 403 | 4 |
| 8/15/2012 12:24:06 PM | 0.28 | 221 | 402 | 4 |
| 8/15/2012 12:25:06 PM | 0.28 | 222 | 403 | 4 |
| 8/15/2012 12:26:06 PM | 0.28 | 222 | 406 | 4 |
| 8/15/2012 12:27:06 PM | 0.28 | 221 | 407 | 4 |
| 8/15/2012 12:28:06 PM | 0.28 | 220 | 408 | 4 |
| 8/15/2012 12:29:06 PM | 0.28 | 218 | 411 | 5 |
| 8/15/2012 12:30:06 PM | 0.28 | 218 | 411 | 5 |
| 8/15/2012 12:31:06 PM | 0.29 | 220 | 411 | 5 |
| 8/15/2012 12:32:06 PM | 0.29 | 220 | 409 | 4 |
| 8/15/2012 12:33:06 PM | 0.29 | 220 | 411 | 4 |
| 8/15/2012 12:34:06 PM | 0.28 | 220 | 409 | 4 |
| 8/15/2012 12:35:06 PM | 0.28 | 220 | 409 | 4 |
| 8/15/2012 12:36:06 PM | 0.28 | 220 | 407 | 4 |
| 8/15/2012 12:37:06 PM | 0.28 | 221 | 406 | 4 |
| 8/15/2012 12:38:06 PM | 0.28 | 222 | 407 | 4 |
| 8/15/2012 12:39:06 PM | 0.28 | 221 | 410 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 12:40:06 PM | 0.28 | 221 | 412 | 4 |
| 8/15/2012 12:41:06 PM | 0.28 | 221 | 414 | 5 |
| 8/15/2012 12:42:06 PM | 0.29 | 221 | 416 | 5 |
| 8/15/2012 12:43:06 PM | 0.28 | 220 | 418 | 5 |
| 8/15/2012 12:44:06 PM | 0.29 | 219 | 419 | 5 |
| 8/15/2012 12:45:06 PM | 0.28 | 218 | 418 | 5 |
| 8/15/2012 12:46:06 PM | 0.29 | 218 | 418 | 5 |
| 8/15/2012 12:47:06 PM | 0.29 | 218 | 417 | 4 |
| 8/15/2012 12:48:06 PM | 0.28 | 218 | 414 | 4 |
| 8/15/2012 12:49:06 PM | 0.28 | 218 | 412 | 4 |
| 8/15/2012 12:50:06 PM | 0.28 | 218 | 411 | 4 |
| 8/15/2012 12:51:06 PM | 0.28 | 218 | 411 | 4 |
| 8/15/2012 12:52:06 PM | 0.29 | 219 | 409 | 4 |
| 8/15/2012 12:53:06 PM | 0.28 | 219 | 411 | 4 |
| 8/15/2012 12:54:06 PM | 0.28 | 218 | 411 | 4 |
| 8/15/2012 12:55:06 PM | 0.29 | 218 | 410 | 4 |
| 8/15/2012 12:56:06 PM | 0.29 | 218 | 410 | 4 |
| 8/15/2012 12:57:06 PM | 0.28 | 219 | 411 | 4 |
| 8/15/2012 12:58:06 PM | Start Calibration | | | |
| 8/15/2012 12:59:06 PM | | | | |
| 8/15/2012 1:00:06 PM | | | | |
| 8/15/2012 1:01:06 PM | | | | |
| 8/15/2012 1:02:06 PM | | | | |
| 8/15/2012 1:03:06 PM | | | | |
| 8/15/2012 1:04:06 PM | | | | |
| 8/15/2012 1:05:06 PM | | | | |
| 8/15/2012 1:06:06 PM | | | | |
| 8/15/2012 1:07:06 PM | | | | |
| 8/15/2012 1:08:06 PM | | | | |
| 8/15/2012 1:09:06 PM | | | | |
| 8/15/2012 1:10:06 PM | | | | |
| 8/15/2012 1:11:06 PM | | | | |
| 8/15/2012 1:12:06 PM | | | | |
| 8/15/2012 1:13:06 PM | | | | |
| 8/15/2012 1:14:06 PM | | | | |
| 8/15/2012 1:15:06 PM | | | | |
| 8/15/2012 1:16:06 PM | | | | |
| 8/15/2012 1:17:06 PM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 1:18:06 PM | | | | |
| 8/15/2012 1:19:06 PM | | | | |
| 8/15/2012 1:20:06 PM | | | | |
| 8/15/2012 1:21:06 PM | | | | |
| 8/15/2012 1:22:06 PM | | | | |
| 8/15/2012 1:23:06 PM | | | | |
| 8/15/2012 1:24:06 PM | | | | |
| 8/15/2012 1:25:06 PM | | | | |
| 8/15/2012 1:26:06 PM | | | | |
| 8/15/2012 1:27:06 PM | | | | |
| 8/15/2012 1:28:06 PM | | | | |
| 8/15/2012 1:29:06 PM | | | | |
| 8/15/2012 1:30:06 PM | | | | |
| 8/15/2012 1:31:06 PM | | | | |
| 8/15/2012 1:32:06 PM | | | | |
| 8/15/2012 1:33:06 PM | | | | |
| 8/15/2012 1:34:06 PM | | | | |
| 8/15/2012 1:35:06 PM | | | | |
| 8/15/2012 1:36:06 PM | | | | |
| 8/15/2012 1:37:06 PM | | | | |
| 8/15/2012 1:38:06 PM | | | | |
| 8/15/2012 1:39:06 PM | | | | |
| 8/15/2012 1:40:06 PM | | | | |
| 8/15/2012 1:41:06 PM | | | | |
| 8/15/2012 1:42:06 PM | | | | |
| 8/15/2012 1:43:06 PM | | | | |
| 8/15/2012 1:44:06 PM | | | | |
| 8/15/2012 1:45:06 PM | | | | |
| 8/15/2012 1:46:06 PM | | | | |
| 8/15/2012 1:47:06 PM | | | | |
| 8/15/2012 1:48:06 PM | | | | |
| 8/15/2012 1:49:06 PM | | | | |
| 8/15/2012 1:50:06 PM | | | | |
| 8/15/2012 1:51:06 PM | | | | |
| 8/15/2012 1:52:06 PM | | | | |
| 8/15/2012 1:53:06 PM | | | | |
| 8/15/2012 1:54:06 PM | | | | |
| 8/15/2012 1:55:06 PM | | | | |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 1:56:06 PM | | | | |
| 8/15/2012 1:57:06 PM | | | | |
| 8/15/2012 1:58:06 PM | | | | |
| 8/15/2012 1:59:06 PM | End Calibration | | | |
| 8/15/2012 2:00:06 PM | 0.28 | 226 | 287 | 4 |
| 8/15/2012 2:01:06 PM | 0.28 | 226 | 293 | 4 |
| 8/15/2012 2:02:06 PM | 0.27 | 227 | 298 | 4 |
| 8/15/2012 2:03:06 PM | 0.27 | 229 | 302 | 4 |
| 8/15/2012 2:04:06 PM | 0.28 | 228 | 307 | 4 |
| 8/15/2012 2:05:06 PM | 0.28 | 226 | 311 | 4 |
| 8/15/2012 2:06:06 PM | 0.28 | 225 | 316 | 4 |
| 8/15/2012 2:07:06 PM | 0.28 | 225 | 317 | 4 |
| 8/15/2012 2:08:06 PM | 0.28 | 225 | 322 | 4 |
| 8/15/2012 2:09:06 PM | 0.28 | 224 | 324 | 4 |
| 8/15/2012 2:10:06 PM | 0.28 | 223 | 327 | 4 |
| 8/15/2012 2:11:06 PM | 0.28 | 224 | 328 | 4 |
| 8/15/2012 2:12:06 PM | 0.28 | 224 | 330 | 4 |
| 8/15/2012 2:13:06 PM | 0.28 | 224 | 332 | 4 |
| 8/15/2012 2:14:06 PM | 0.28 | 225 | 332 | 4 |
| 8/15/2012 2:15:06 PM | 0.27 | 226 | 334 | 4 |
| 8/15/2012 2:16:06 PM | 0.28 | 225 | 337 | 4 |
| 8/15/2012 2:17:06 PM | 0.28 | 223 | 337 | 4 |
| 8/15/2012 2:18:06 PM | 0.28 | 222 | 338 | 4 |
| 8/15/2012 2:19:06 PM | 0.28 | 222 | 336 | 4 |
| 8/15/2012 2:20:06 PM | 0.28 | 222 | 333 | 4 |
| 8/15/2012 2:21:06 PM | 0.28 | 224 | 341 | 4 |
| 8/15/2012 2:22:06 PM | 0.28 | 225 | 342 | 4 |
| 8/15/2012 2:23:06 PM | 0.27 | 224 | 345 | 4 |
| 8/15/2012 2:24:06 PM | 0.28 | 224 | 347 | 4 |
| 8/15/2012 2:25:06 PM | 0.28 | 225 | 348 | 4 |
| 8/15/2012 2:26:06 PM | 0.28 | 225 | 351 | 4 |
| 8/15/2012 2:27:06 PM | 0.28 | 223 | 352 | 4 |
| 8/15/2012 2:28:06 PM | 0.28 | 223 | 352 | 4 |
| 8/15/2012 2:29:06 PM | 0.28 | 223 | 352 | 4 |
| 8/15/2012 2:30:06 PM | 0.28 | 223 | 353 | 4 |
| 8/15/2012 2:31:06 PM | 0.28 | 223 | 354 | 4 |
| 8/15/2012 2:32:06 PM | 0.28 | 222 | 356 | 4 |
| 8/15/2012 2:33:06 PM | 0.28 | 223 | 357 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 2:34:06 PM | 0.28 | 223 | 358 | 4 |
| 8/15/2012 2:35:06 PM | 0.27 | 224 | 357 | 4 |
| 8/15/2012 2:36:06 PM | 0.28 | 223 | 359 | 4 |
| 8/15/2012 2:37:06 PM | 0.28 | 224 | 359 | 4 |
| 8/15/2012 2:38:06 PM | 0.28 | 223 | 361 | 4 |
| 8/15/2012 2:39:06 PM | 0.28 | 222 | 361 | 4 |
| 8/15/2012 2:40:06 PM | 0.28 | 221 | 362 | 4 |
| 8/15/2012 2:41:06 PM | 0.28 | 220 | 362 | 4 |
| 8/15/2012 2:42:06 PM | 0.28 | 220 | 365 | 4 |
| 8/15/2012 2:43:06 PM | 0.28 | 221 | 367 | 4 |
| 8/15/2012 2:44:06 PM | 0.28 | 221 | 365 | 4 |
| 8/15/2012 2:45:06 PM | 0.28 | 221 | 367 | 4 |
| 8/15/2012 2:46:06 PM | 0.28 | 221 | 368 | 4 |
| 8/15/2012 2:47:06 PM | 0.28 | 222 | 367 | 4 |
| 8/15/2012 2:48:06 PM | 0.28 | 222 | 368 | 4 |
| 8/15/2012 2:49:06 PM | 0.28 | 222 | 369 | 4 |
| 8/15/2012 2:50:06 PM | 0.28 | 221 | 370 | 4 |
| 8/15/2012 2:51:06 PM | 0.28 | 221 | 370 | 4 |
| 8/15/2012 2:52:06 PM | 0.28 | 222 | 372 | 4 |
| 8/15/2012 2:53:06 PM | 0.28 | 221 | 372 | 4 |
| 8/15/2012 2:54:06 PM | 0.28 | 222 | 372 | 4 |
| 8/15/2012 2:55:06 PM | 0.28 | 222 | 373 | 4 |
| 8/15/2012 2:56:06 PM | 0.28 | 221 | 372 | 4 |
| 8/15/2012 2:57:06 PM | 0.28 | 222 | 373 | 4 |
| 8/15/2012 2:58:06 PM | 0.28 | 221 | 372 | 4 |
| 8/15/2012 2:59:06 PM | 0.28 | 222 | 372 | 4 |
| 8/15/2012 3:00:06 PM | 0.28 | 222 | 373 | 4 |
| 8/15/2012 3:01:06 PM | 0.29 | 221 | 372 | 4 |
| 8/15/2012 3:02:06 PM | 0.28 | 220 | 373 | 4 |
| 8/15/2012 3:03:06 PM | 0.29 | 220 | 373 | 4 |
| 8/15/2012 3:04:06 PM | 0.28 | 222 | 371 | 4 |
| 8/15/2012 3:05:06 PM | 0.28 | 224 | 372 | 3 |
| 8/15/2012 3:06:06 PM | 0.28 | 223 | 372 | 3 |
| 8/15/2012 3:07:06 PM | 0.28 | 220 | 374 | 3 |
| 8/15/2012 3:08:06 PM | 0.28 | 220 | 374 | 4 |
| 8/15/2012 3:09:06 PM | 0.28 | 222 | 374 | 4 |
| 8/15/2012 3:10:06 PM | 0.27 | 223 | 375 | 4 |
| 8/15/2012 3:11:06 PM | 0.28 | 223 | 377 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 3:12:06 PM | 0.28 | 222 | 378 | 4 |
| 8/15/2012 3:13:06 PM | 0.28 | 223 | 376 | 4 |
| 8/15/2012 3:14:06 PM | 0.28 | 224 | 378 | 3 |
| 8/15/2012 3:15:06 PM | 0.29 | 224 | 380 | 3 |
| 8/15/2012 3:16:06 PM | 0.28 | 225 | 380 | 3 |
| 8/15/2012 3:17:06 PM | 0.28 | 223 | 382 | 4 |
| 8/15/2012 3:18:06 PM | 0.28 | 224 | 381 | 4 |
| 8/15/2012 3:19:06 PM | 0.28 | 224 | 382 | 4 |
| 8/15/2012 3:20:06 PM | 0.28 | 225 | 383 | 4 |
| 8/15/2012 3:21:06 PM | 0.28 | 224 | 382 | 4 |
| 8/15/2012 3:22:06 PM | 0.28 | 222 | 383 | 4 |
| 8/15/2012 3:23:06 PM | 0.28 | 223 | 385 | 4 |
| 8/15/2012 3:24:06 PM | 0.28 | 224 | 384 | 4 |
| 8/15/2012 3:25:06 PM | 0.28 | 225 | 387 | 4 |
| 8/15/2012 3:26:06 PM | 0.28 | 224 | 386 | 4 |
| 8/15/2012 3:27:06 PM | 0.28 | 222 | 387 | 4 |
| 8/15/2012 3:28:06 PM | 0.28 | 222 | 387 | 4 |
| 8/15/2012 3:29:06 PM | 0.28 | 222 | 387 | 4 |
| 8/15/2012 3:30:06 PM | 0.28 | 222 | 386 | 4 |
| 8/15/2012 3:31:06 PM | 0.28 | 222 | 387 | 4 |
| 8/15/2012 3:32:06 PM | 0.28 | 222 | 388 | 4 |
| 8/15/2012 3:33:06 PM | 0.28 | 221 | 387 | 4 |
| 8/15/2012 3:34:06 PM | 0.28 | 221 | 388 | 4 |
| 8/15/2012 3:35:06 PM | 0.28 | 221 | 387 | 4 |
| 8/15/2012 3:36:06 PM | 0.28 | 221 | 387 | 4 |
| 8/15/2012 3:37:06 PM | 0.28 | 221 | 387 | 4 |
| 8/15/2012 3:38:06 PM | 0.28 | 222 | 388 | 4 |
| 8/15/2012 3:39:06 PM | 0.28 | 222 | 389 | 4 |
| 8/15/2012 3:40:06 PM | 0.28 | 222 | 390 | 4 |
| 8/15/2012 3:41:06 PM | 0.28 | 224 | 390 | 4 |
| 8/15/2012 3:42:06 PM | 0.28 | 223 | 392 | 4 |
| 8/15/2012 3:43:06 PM | 0.28 | 222 | 392 | 4 |
| 8/15/2012 3:44:06 PM | 0.28 | 222 | 392 | 4 |
| 8/15/2012 3:45:06 PM | 0.28 | 222 | 392 | 4 |
| 8/15/2012 3:46:06 PM | 0.28 | 222 | 391 | 4 |
| 8/15/2012 3:47:06 PM | 0.28 | 222 | 392 | 4 |
| 8/15/2012 3:48:06 PM | 0.28 | 222 | 392 | 4 |
| 8/15/2012 3:49:06 PM | 0.28 | 222 | 394 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 3:50:06 PM | 0.28 | 221 | 395 | 4 |
| 8/15/2012 3:51:06 PM | 0.28 | 220 | 395 | 4 |
| 8/15/2012 3:52:06 PM | 0.28 | 219 | 396 | 4 |
| 8/15/2012 3:53:06 PM | 0.28 | 219 | 396 | 4 |
| 8/15/2012 3:54:06 PM | 0.28 | 220 | 395 | 4 |
| 8/15/2012 3:55:06 PM | 0.28 | 219 | 398 | 4 |
| 8/15/2012 3:56:06 PM | 0.28 | 220 | 398 | 4 |
| 8/15/2012 3:57:06 PM | 0.28 | 223 | 399 | 4 |
| 8/15/2012 3:58:06 PM | 0.28 | 224 | 401 | 4 |
| 8/15/2012 3:59:06 PM | 0.28 | 223 | 401 | 4 |
| 8/15/2012 4:00:06 PM | 0.28 | 223 | 401 | 4 |
| 8/15/2012 4:01:06 PM | 0.28 | 222 | 401 | 4 |
| 8/15/2012 4:02:06 PM | 0.28 | 220 | 402 | 4 |
| 8/15/2012 4:03:06 PM | 0.28 | 220 | 399 | 4 |
| 8/15/2012 4:04:06 PM | 0.28 | 221 | 398 | 4 |
| 8/15/2012 4:05:06 PM | 0.28 | 222 | 399 | 4 |
| 8/15/2012 4:06:06 PM | 0.28 | 222 | 401 | 4 |
| 8/15/2012 4:07:06 PM | 0.28 | 223 | 401 | 4 |
| 8/15/2012 4:08:06 PM | 0.28 | 223 | 402 | 4 |
| 8/15/2012 4:09:06 PM | 0.28 | 222 | 403 | 4 |
| 8/15/2012 4:10:06 PM | 0.28 | 222 | 403 | 4 |
| 8/15/2012 4:11:06 PM | 0.28 | 222 | 403 | 4 |
| 8/15/2012 4:12:06 PM | 0.28 | 222 | 403 | 4 |
| 8/15/2012 4:13:06 PM | 0.28 | 222 | 403 | 4 |
| 8/15/2012 4:14:06 PM | 0.28 | 222 | 405 | 4 |
| 8/15/2012 4:15:06 PM | 0.28 | 224 | 407 | 4 |
| 8/15/2012 4:16:06 PM | 0.28 | 225 | 407 | 4 |
| 8/15/2012 4:17:06 PM | 0.28 | 225 | 408 | 4 |
| 8/15/2012 4:18:06 PM | 0.28 | 224 | 407 | 4 |
| 8/15/2012 4:19:06 PM | 0.28 | 224 | 406 | 4 |
| 8/15/2012 4:20:06 PM | 0.28 | 224 | 406 | 4 |
| 8/15/2012 4:21:06 PM | 0.28 | 224 | 405 | 4 |
| 8/15/2012 4:22:06 PM | 0.28 | 224 | 406 | 4 |
| 8/15/2012 4:23:06 PM | 0.29 | 225 | 406 | 4 |
| 8/15/2012 4:24:06 PM | 0.29 | 224 | 407 | 4 |
| 8/15/2012 4:25:06 PM | 0.28 | 225 | 407 | 4 |
| 8/15/2012 4:26:06 PM | 0.28 | 225 | 407 | 4 |
| 8/15/2012 4:27:06 PM | 0.28 | 224 | 406 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 4:28:06 PM | 0.28 | 223 | 406 | 4 |
| 8/15/2012 4:29:06 PM | 0.28 | 223 | 403 | 4 |
| 8/15/2012 4:30:06 PM | 0.29 | 222 | 402 | 4 |
| 8/15/2012 4:31:06 PM | 0.28 | 222 | 401 | 4 |
| 8/15/2012 4:32:06 PM | 0.28 | 222 | 399 | 4 |
| 8/15/2012 4:33:06 PM | 0.28 | 223 | 399 | 4 |
| 8/15/2012 4:34:06 PM | 0.28 | 223 | 399 | 4 |
| 8/15/2012 4:35:06 PM | 0.29 | 221 | 398 | 4 |
| 8/15/2012 4:36:06 PM | 0.28 | 220 | 396 | 4 |
| 8/15/2012 4:37:06 PM | 0.28 | 221 | 398 | 4 |
| 8/15/2012 4:38:06 PM | 0.28 | 221 | 397 | 4 |
| 8/15/2012 4:39:06 PM | 0.28 | 221 | 395 | 4 |
| 8/15/2012 4:40:06 PM | 0.28 | 221 | 396 | 4 |
| 8/15/2012 4:41:06 PM | 0.28 | 221 | 396 | 4 |
| 8/15/2012 4:42:06 PM | 0.28 | 221 | 397 | 4 |
| 8/15/2012 4:43:06 PM | 0.28 | 221 | 396 | 4 |
| 8/15/2012 4:44:06 PM | 0.29 | 220 | 397 | 4 |
| 8/15/2012 4:45:06 PM | 0.28 | 218 | 398 | 4 |
| 8/15/2012 4:46:06 PM | 0.28 | 219 | 398 | 4 |
| 8/15/2012 4:47:06 PM | 0.28 | 221 | 399 | 5 |
| 8/15/2012 4:48:06 PM | 0.28 | 221 | 397 | 5 |
| 8/15/2012 4:49:06 PM | 0.28 | 221 | 396 | 5 |
| 8/15/2012 4:50:06 PM | 0.28 | 221 | 395 | 5 |
| 8/15/2012 4:51:06 PM | 0.28 | 221 | 396 | 5 |
| 8/15/2012 4:52:06 PM | 0.28 | 222 | 397 | 5 |
| 8/15/2012 4:53:06 PM | 0.28 | 222 | 398 | 5 |
| 8/15/2012 4:54:06 PM | 0.28 | 222 | 401 | 5 |
| 8/15/2012 4:55:06 PM | 0.28 | 222 | 402 | 5 |
| 8/15/2012 4:56:06 PM | 0.28 | 220 | 401 | 5 |
| 8/15/2012 4:57:06 PM | 0.28 | 220 | 399 | 5 |
| 8/15/2012 4:58:06 PM | 0.28 | 219 | 396 | 4 |
| 8/15/2012 4:59:06 PM | 0.28 | 219 | 397 | 4 |
| 8/15/2012 5:00:06 PM | 0.28 | 219 | 397 | 4 |
| 8/15/2012 5:01:06 PM | 0.28 | 220 | 398 | 4 |
| 8/15/2012 5:02:06 PM | 0.28 | 221 | 397 | 4 |
| 8/15/2012 5:03:06 PM | 0.28 | 222 | 398 | 4 |
| 8/15/2012 5:04:06 PM | 0.27 | 222 | 399 | 4 |
| 8/15/2012 5:05:06 PM | 0.28 | 223 | 400 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 5:06:06 PM | 0.28 | 222 | 400 | 5 |
| 8/15/2012 5:07:06 PM | 0.28 | 221 | 399 | 5 |
| 8/15/2012 5:08:06 PM | 0.28 | 221 | 397 | 5 |
| 8/15/2012 5:09:06 PM | 0.28 | 221 | 397 | 5 |
| 8/15/2012 5:10:06 PM | 0.28 | 220 | 398 | 5 |
| 8/15/2012 5:11:06 PM | 0.28 | 219 | 397 | 4 |
| 8/15/2012 5:12:06 PM | 0.28 | 219 | 395 | 4 |
| 8/15/2012 5:13:06 PM | 0.28 | 220 | 395 | 4 |
| 8/15/2012 5:14:06 PM | 0.29 | 221 | 397 | 5 |
| 8/15/2012 5:15:06 PM | 0.29 | 221 | 398 | 5 |
| 8/15/2012 5:16:06 PM | 0.28 | 222 | 398 | 5 |
| 8/15/2012 5:17:06 PM | 0.28 | 221 | 398 | 5 |
| 8/15/2012 5:18:06 PM | 0.28 | 222 | 397 | 5 |
| 8/15/2012 5:19:06 PM | 0.28 | 222 | 398 | 5 |
| 8/15/2012 5:20:06 PM | 0.28 | 222 | 401 | 5 |
| 8/15/2012 5:21:06 PM | 0.28 | 221 | 400 | 5 |
| 8/15/2012 5:22:06 PM | 0.28 | 221 | 400 | 5 |
| 8/15/2012 5:23:06 PM | 0.28 | 221 | 401 | 5 |
| 8/15/2012 5:24:06 PM | 0.28 | 221 | 400 | 5 |
| 8/15/2012 5:25:06 PM | 0.28 | 222 | 399 | 5 |
| 8/15/2012 5:26:06 PM | 0.28 | 221 | 400 | 5 |
| 8/15/2012 5:27:06 PM | 0.28 | 221 | 397 | 5 |
| 8/15/2012 5:28:06 PM | 0.28 | 221 | 398 | 5 |
| 8/15/2012 5:29:06 PM | 0.28 | 221 | 399 | 5 |
| 8/15/2012 5:30:06 PM | 0.28 | 222 | 399 | 5 |
| 8/15/2012 5:31:06 PM | 0.28 | 222 | 401 | 5 |
| 8/15/2012 5:32:06 PM | 0.29 | 222 | 401 | 5 |
| 8/15/2012 5:33:06 PM | 0.29 | 222 | 402 | 5 |
| 8/15/2012 5:34:06 PM | 0.28 | 220 | 400 | 5 |
| 8/15/2012 5:35:06 PM | 0.28 | 220 | 397 | 5 |
| 8/15/2012 5:36:06 PM | 0.28 | 221 | 397 | 5 |
| 8/15/2012 5:37:06 PM | 0.28 | 220 | 397 | 5 |
| 8/15/2012 5:38:06 PM | 0.28 | 220 | 397 | 5 |
| 8/15/2012 5:39:06 PM | 0.28 | 220 | 396 | 5 |
| 8/15/2012 5:40:06 PM | 0.27 | 220 | 394 | 5 |
| 8/15/2012 5:41:06 PM | 0.27 | 221 | 394 | 5 |
| 8/15/2012 5:42:06 PM | 0.27 | 221 | 393 | 5 |
| 8/15/2012 5:43:06 PM | 0.28 | 221 | 393 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 5:44:06 PM | 0.28 | 221 | 393 | 5 |
| 8/15/2012 5:45:06 PM | 0.28 | 221 | 394 | 5 |
| 8/15/2012 5:46:06 PM | 0.28 | 220 | 395 | 5 |
| 8/15/2012 5:47:06 PM | 0.28 | 220 | 397 | 5 |
| 8/15/2012 5:48:06 PM | 0.28 | 219 | 398 | 5 |
| 8/15/2012 5:49:06 PM | 0.28 | 219 | 396 | 5 |
| 8/15/2012 5:50:06 PM | 0.28 | 219 | 395 | 5 |
| 8/15/2012 5:51:06 PM | 0.28 | 219 | 394 | 5 |
| 8/15/2012 5:52:06 PM | 0.28 | 219 | 394 | 5 |
| 8/15/2012 5:53:06 PM | 0.29 | 219 | 394 | 5 |
| 8/15/2012 5:54:06 PM | 0.28 | 218 | 394 | 5 |
| 8/15/2012 5:55:06 PM | 0.28 | 218 | 391 | 5 |
| 8/15/2012 5:56:06 PM | 0.28 | 219 | 391 | 5 |
| 8/15/2012 5:57:06 PM | 0.28 | 219 | 392 | 5 |
| 8/15/2012 5:58:06 PM | 0.28 | 219 | 391 | 5 |
| 8/15/2012 5:59:06 PM | 0.28 | 220 | 392 | 5 |
| 8/15/2012 6:00:06 PM | 0.28 | 220 | 393 | 5 |
| 8/15/2012 6:01:06 PM | 0.28 | 220 | 393 | 5 |
| 8/15/2012 6:02:06 PM | 0.28 | 220 | 394 | 5 |
| 8/15/2012 6:03:06 PM | 0.28 | 220 | 393 | 5 |
| 8/15/2012 6:04:06 PM | 0.28 | 221 | 393 | 5 |
| 8/15/2012 6:05:06 PM | 0.28 | 221 | 396 | 5 |
| 8/15/2012 6:06:06 PM | 0.28 | 221 | 395 | 5 |
| 8/15/2012 6:07:06 PM | 0.28 | 222 | 395 | 5 |
| 8/15/2012 6:08:06 PM | 0.28 | 222 | 395 | 5 |
| 8/15/2012 6:09:06 PM | 0.28 | 222 | 396 | 5 |
| 8/15/2012 6:10:06 PM | 0.28 | 221 | 395 | 5 |
| 8/15/2012 6:11:06 PM | 0.28 | 222 | 396 | 5 |
| 8/15/2012 6:12:06 PM | 0.28 | 222 | 397 | 5 |
| 8/15/2012 6:13:06 PM | 0.28 | 222 | 398 | 5 |
| 8/15/2012 6:14:06 PM | 0.28 | 222 | 398 | 5 |
| 8/15/2012 6:15:06 PM | 0.28 | 222 | 397 | 5 |
| 8/15/2012 6:16:06 PM | 0.28 | 223 | 398 | 5 |
| 8/15/2012 6:17:06 PM | 0.28 | 223 | 398 | 5 |
| 8/15/2012 6:18:06 PM | 0.28 | 224 | 398 | 5 |
| 8/15/2012 6:19:06 PM | 0.28 | 223 | 398 | 5 |
| 8/15/2012 6:20:06 PM | 0.28 | 224 | 398 | 5 |
| 8/15/2012 6:21:06 PM | 0.28 | 224 | 400 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 6:22:06 PM | 0.28 | 224 | 400 | 5 |
| 8/15/2012 6:23:06 PM | 0.28 | 224 | 400 | 5 |
| 8/15/2012 6:24:06 PM | 0.28 | 224 | 400 | 5 |
| 8/15/2012 6:25:06 PM | 0.28 | 224 | 398 | 5 |
| 8/15/2012 6:26:06 PM | 0.28 | 223 | 398 | 5 |
| 8/15/2012 6:27:06 PM | 0.27 | 222 | 397 | 5 |
| 8/15/2012 6:28:06 PM | 0.28 | 223 | 397 | 5 |
| 8/15/2012 6:29:06 PM | 0.28 | 224 | 395 | 5 |
| 8/15/2012 6:30:06 PM | 0.28 | 225 | 394 | 5 |
| 8/15/2012 6:31:06 PM | 0.28 | 225 | 395 | 5 |
| 8/15/2012 6:32:06 PM | 0.28 | 225 | 395 | 5 |
| 8/15/2012 6:33:06 PM | 0.27 | 225 | 394 | 5 |
| 8/15/2012 6:34:06 PM | 0.27 | 225 | 393 | 5 |
| 8/15/2012 6:35:06 PM | 0.28 | 226 | 393 | 5 |
| 8/15/2012 6:36:06 PM | 0.28 | 226 | 395 | 5 |
| 8/15/2012 6:37:06 PM | 0.28 | 226 | 395 | 5 |
| 8/15/2012 6:38:06 PM | 0.28 | 226 | 397 | 5 |
| 8/15/2012 6:39:06 PM | 0.28 | 226 | 397 | 5 |
| 8/15/2012 6:40:06 PM | 0.28 | 226 | 398 | 5 |
| 8/15/2012 6:41:06 PM | 0.28 | 225 | 399 | 5 |
| 8/15/2012 6:42:06 PM | 0.28 | 226 | 398 | 5 |
| 8/15/2012 6:43:06 PM | 0.28 | 226 | 397 | 5 |
| 8/15/2012 6:44:06 PM | 0.28 | 225 | 397 | 5 |
| 8/15/2012 6:45:06 PM | 0.28 | 225 | 397 | 5 |
| 8/15/2012 6:46:06 PM | 0.28 | 224 | 396 | 5 |
| 8/15/2012 6:47:06 PM | 0.28 | 224 | 396 | 5 |
| 8/15/2012 6:48:06 PM | 0.28 | 224 | 397 | 5 |
| 8/15/2012 6:49:06 PM | 0.28 | 225 | 397 | 5 |
| 8/15/2012 6:50:06 PM | 0.28 | 226 | 397 | 5 |
| 8/15/2012 6:51:06 PM | 0.27 | 226 | 398 | 5 |
| 8/15/2012 6:52:06 PM | 0.28 | 226 | 398 | 5 |
| 8/15/2012 6:53:06 PM | 0.28 | 225 | 398 | 5 |
| 8/15/2012 6:54:06 PM | 0.28 | 224 | 398 | 5 |
| 8/15/2012 6:55:06 PM | 0.28 | 223 | 398 | 5 |
| 8/15/2012 6:56:06 PM | 0.29 | 222 | 396 | 5 |
| 8/15/2012 6:57:06 PM | 0.28 | 221 | 393 | 5 |
| 8/15/2012 6:58:06 PM | 0.28 | 222 | 393 | 5 |
| 8/15/2012 6:59:06 PM | 0.28 | 223 | 394 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 7:00:06 PM | 0.28 | 223 | 393 | 5 |
| 8/15/2012 7:01:06 PM | 0.28 | 224 | 392 | 5 |
| 8/15/2012 7:02:06 PM | 0.28 | 224 | 393 | 5 |
| 8/15/2012 7:03:06 PM | 0.28 | 224 | 393 | 5 |
| 8/15/2012 7:04:06 PM | 0.29 | 224 | 393 | 5 |
| 8/15/2012 7:05:06 PM | 0.28 | 224 | 394 | 5 |
| 8/15/2012 7:06:06 PM | 0.28 | 224 | 394 | 5 |
| 8/15/2012 7:07:06 PM | 0.28 | 224 | 395 | 5 |
| 8/15/2012 7:08:06 PM | 0.28 | 223 | 395 | 5 |
| 8/15/2012 7:09:06 PM | 0.28 | 224 | 393 | 5 |
| 8/15/2012 7:10:06 PM | 0.28 | 224 | 393 | 5 |
| 8/15/2012 7:11:06 PM | 0.28 | 224 | 393 | 5 |
| 8/15/2012 7:12:06 PM | 0.28 | 223 | 392 | 5 |
| 8/15/2012 7:13:06 PM | 0.28 | 223 | 392 | 5 |
| 8/15/2012 7:14:06 PM | 0.28 | 224 | 392 | 5 |
| 8/15/2012 7:15:06 PM | 0.28 | 223 | 393 | 5 |
| 8/15/2012 7:16:06 PM | 0.28 | 224 | 392 | 5 |
| 8/15/2012 7:17:06 PM | 0.28 | 225 | 392 | 5 |
| 8/15/2012 7:18:06 PM | 0.28 | 226 | 392 | 5 |
| 8/15/2012 7:19:06 PM | 0.28 | 226 | 394 | 5 |
| 8/15/2012 7:20:06 PM | 0.28 | 226 | 395 | 5 |
| 8/15/2012 7:21:06 PM | 0.28 | 227 | 397 | 5 |
| 8/15/2012 7:22:06 PM | 0.28 | 227 | 397 | 5 |
| 8/15/2012 7:23:06 PM | 0.28 | 226 | 398 | 5 |
| 8/15/2012 7:24:06 PM | 0.28 | 225 | 398 | 5 |
| 8/15/2012 7:25:06 PM | 0.28 | 224 | 398 | 5 |
| 8/15/2012 7:26:06 PM | 0.28 | 224 | 397 | 5 |
| 8/15/2012 7:27:06 PM | 0.28 | 224 | 395 | 5 |
| 8/15/2012 7:28:06 PM | 0.28 | 224 | 395 | 5 |
| 8/15/2012 7:29:06 PM | 0.28 | 224 | 396 | 5 |
| 8/15/2012 7:30:06 PM | 0.28 | 225 | 395 | 5 |
| 8/15/2012 7:31:06 PM | 0.28 | 224 | 395 | 5 |
| 8/15/2012 7:32:06 PM | 0.28 | 225 | 393 | 5 |
| 8/15/2012 7:33:06 PM | 0.28 | 225 | 393 | 5 |
| 8/15/2012 7:34:06 PM | 0.28 | 225 | 393 | 5 |
| 8/15/2012 7:35:06 PM | 0.28 | 225 | 394 | 5 |
| 8/15/2012 7:36:06 PM | 0.28 | 225 | 394 | 5 |
| 8/15/2012 7:37:06 PM | 0.28 | 225 | 395 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 7:38:06 PM | 0.28 | 226 | 396 | 5 |
| 8/15/2012 7:39:06 PM | 0.28 | 225 | 397 | 5 |
| 8/15/2012 7:40:06 PM | 0.27 | 225 | 397 | 5 |
| 8/15/2012 7:41:06 PM | 0.28 | 226 | 398 | 5 |
| 8/15/2012 7:42:06 PM | 0.27 | 226 | 397 | 5 |
| 8/15/2012 7:43:06 PM | 0.28 | 226 | 398 | 5 |
| 8/15/2012 7:44:06 PM | 0.28 | 227 | 397 | 5 |
| 8/15/2012 7:45:06 PM | 0.28 | 227 | 398 | 5 |
| 8/15/2012 7:46:06 PM | 0.28 | 225 | 398 | 5 |
| 8/15/2012 7:47:06 PM | 0.28 | 225 | 398 | 5 |
| 8/15/2012 7:48:06 PM | 0.28 | 224 | 397 | 5 |
| 8/15/2012 7:49:06 PM | 0.28 | 225 | 397 | 5 |
| 8/15/2012 7:50:06 PM | 0.28 | 225 | 397 | 5 |
| 8/15/2012 7:51:06 PM | 0.28 | 225 | 397 | 5 |
| 8/15/2012 7:52:06 PM | 0.28 | 226 | 397 | 5 |
| 8/15/2012 7:53:06 PM | 0.28 | 226 | 396 | 5 |
| 8/15/2012 7:54:06 PM | 0.28 | 226 | 397 | 5 |
| 8/15/2012 7:55:06 PM | 0.28 | 225 | 397 | 5 |
| 8/15/2012 7:56:06 PM | 0.28 | 225 | 398 | 5 |
| 8/15/2012 7:57:06 PM | 0.28 | 224 | 394 | 5 |
| 8/15/2012 7:58:06 PM | 0.28 | 225 | 394 | 5 |
| 8/15/2012 7:59:06 PM | 0.28 | 225 | 395 | 5 |
| 8/15/2012 8:00:06 PM | 0.28 | 225 | 397 | 5 |
| 8/15/2012 8:01:06 PM | 0.28 | 224 | 396 | 5 |
| 8/15/2012 8:02:06 PM | 0.28 | 224 | 396 | 5 |
| 8/15/2012 8:03:06 PM | 0.29 | 224 | 396 | 5 |
| 8/15/2012 8:04:06 PM | 0.28 | 224 | 396 | 5 |
| 8/15/2012 8:05:06 PM | 0.28 | 223 | 397 | 5 |
| 8/15/2012 8:06:06 PM | 0.29 | 223 | 398 | 5 |
| 8/15/2012 8:07:06 PM | 0.28 | 223 | 397 | 5 |
| 8/15/2012 8:08:06 PM | 0.29 | 223 | 398 | 5 |
| 8/15/2012 8:09:06 PM | 0.29 | 223 | 398 | 5 |
| 8/15/2012 8:10:06 PM | 0.28 | 224 | 397 | 5 |
| 8/15/2012 8:11:06 PM | 0.28 | 224 | 396 | 5 |
| 8/15/2012 8:12:06 PM | 0.28 | 224 | 397 | 5 |
| 8/15/2012 8:13:06 PM | 0.28 | 224 | 397 | 5 |
| 8/15/2012 8:14:06 PM | 0.28 | 224 | 398 | 5 |
| 8/15/2012 8:15:06 PM | 0.28 | 224 | 398 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 8:16:06 PM | 0.28 | 224 | 398 | 5 |
| 8/15/2012 8:17:06 PM | 0.28 | 225 | 401 | 5 |
| 8/15/2012 8:18:06 PM | 0.28 | 225 | 402 | 5 |
| 8/15/2012 8:19:06 PM | 0.28 | 224 | 401 | 5 |
| 8/15/2012 8:20:06 PM | 0.28 | 224 | 402 | 5 |
| 8/15/2012 8:21:06 PM | 0.28 | 224 | 402 | 5 |
| 8/15/2012 8:22:06 PM | 0.28 | 225 | 403 | 5 |
| 8/15/2012 8:23:06 PM | 0.28 | 225 | 402 | 5 |
| 8/15/2012 8:24:06 PM | 0.28 | 225 | 402 | 5 |
| 8/15/2012 8:25:06 PM | 0.28 | 226 | 402 | 5 |
| 8/15/2012 8:26:06 PM | 0.28 | 227 | 403 | 5 |
| 8/15/2012 8:27:06 PM | 0.28 | 228 | 404 | 5 |
| 8/15/2012 8:28:06 PM | 0.28 | 227 | 406 | 5 |
| 8/15/2012 8:29:06 PM | 0.28 | 227 | 405 | 5 |
| 8/15/2012 8:30:06 PM | 0.28 | 227 | 405 | 5 |
| 8/15/2012 8:31:06 PM | 0.28 | 226 | 405 | 5 |
| 8/15/2012 8:32:06 PM | 0.28 | 227 | 404 | 5 |
| 8/15/2012 8:33:06 PM | 0.28 | 227 | 405 | 5 |
| 8/15/2012 8:34:06 PM | 0.28 | 227 | 406 | 5 |
| 8/15/2012 8:35:06 PM | 0.28 | 228 | 407 | 5 |
| 8/15/2012 8:36:06 PM | 0.28 | 228 | 407 | 5 |
| 8/15/2012 8:37:06 PM | 0.27 | 228 | 406 | 5 |
| 8/15/2012 8:38:06 PM | 0.28 | 228 | 407 | 5 |
| 8/15/2012 8:39:06 PM | 0.28 | 228 | 407 | 5 |
| 8/15/2012 8:40:06 PM | 0.28 | 227 | 407 | 5 |
| 8/15/2012 8:41:06 PM | 0.27 | 227 | 406 | 5 |
| 8/15/2012 8:42:06 PM | 0.28 | 227 | 405 | 5 |
| 8/15/2012 8:43:06 PM | 0.28 | 227 | 404 | 5 |
| 8/15/2012 8:44:06 PM | 0.28 | 227 | 403 | 5 |
| 8/15/2012 8:45:06 PM | 0.28 | 227 | 402 | 5 |
| 8/15/2012 8:46:06 PM | 0.27 | 226 | 402 | 5 |
| 8/15/2012 8:47:06 PM | 0.27 | 226 | 403 | 5 |
| 8/15/2012 8:48:06 PM | 0.27 | 226 | 401 | 5 |
| 8/15/2012 8:49:06 PM | 0.27 | 226 | 402 | 5 |
| 8/15/2012 8:50:06 PM | 0.28 | 226 | 401 | 5 |
| 8/15/2012 8:51:06 PM | 0.28 | 226 | 402 | 5 |
| 8/15/2012 8:52:06 PM | 0.27 | 226 | 403 | 5 |
| 8/15/2012 8:53:06 PM | 0.28 | 226 | 402 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 8:54:06 PM | 0.27 | 227 | 402 | 5 |
| 8/15/2012 8:55:06 PM | 0.28 | 227 | 404 | 5 |
| 8/15/2012 8:56:06 PM | 0.28 | 227 | 404 | 5 |
| 8/15/2012 8:57:06 PM | 0.28 | 227 | 406 | 5 |
| 8/15/2012 8:58:06 PM | 0.27 | 227 | 407 | 5 |
| 8/15/2012 8:59:06 PM | 0.28 | 228 | 407 | 5 |
| 8/15/2012 9:00:06 PM | 0.28 | 228 | 408 | 5 |
| 8/15/2012 9:01:06 PM | 0.28 | 229 | 410 | 5 |
| 8/15/2012 9:02:06 PM | 0.28 | 228 | 412 | 6 |
| 8/15/2012 9:03:06 PM | 0.28 | 229 | 413 | 6 |
| 8/15/2012 9:04:06 PM | 0.27 | 229 | 412 | 6 |
| 8/15/2012 9:05:06 PM | 0.28 | 229 | 412 | 6 |
| 8/15/2012 9:06:06 PM | 0.28 | 228 | 412 | 6 |
| 8/15/2012 9:07:06 PM | 0.28 | 228 | 412 | 6 |
| 8/15/2012 9:08:06 PM | 0.28 | 228 | 412 | 6 |
| 8/15/2012 9:09:06 PM | 0.28 | 228 | 411 | 6 |
| 8/15/2012 9:10:06 PM | 0.28 | 228 | 411 | 6 |
| 8/15/2012 9:11:06 PM | 0.28 | 228 | 411 | 6 |
| 8/15/2012 9:12:06 PM | 0.28 | 228 | 411 | 6 |
| 8/15/2012 9:13:06 PM | 0.28 | 228 | 410 | 6 |
| 8/15/2012 9:14:06 PM | 0.28 | 229 | 410 | 6 |
| 8/15/2012 9:15:06 PM | 0.28 | 228 | 411 | 6 |
| 8/15/2012 9:16:06 PM | 0.28 | 228 | 411 | 6 |
| 8/15/2012 9:17:06 PM | 0.28 | 228 | 409 | 6 |
| 8/15/2012 9:18:06 PM | 0.28 | 228 | 408 | 6 |
| 8/15/2012 9:19:06 PM | 0.28 | 228 | 408 | 6 |
| 8/15/2012 9:20:06 PM | 0.28 | 228 | 410 | 6 |
| 8/15/2012 9:21:06 PM | 0.28 | 227 | 408 | 6 |
| 8/15/2012 9:22:06 PM | 0.28 | 227 | 407 | 6 |
| 8/15/2012 9:23:06 PM | 0.28 | 228 | 409 | 6 |
| 8/15/2012 9:24:06 PM | 0.28 | 228 | 410 | 6 |
| 8/15/2012 9:25:06 PM | 0.28 | 228 | 409 | 6 |
| 8/15/2012 9:26:06 PM | 0.28 | 228 | 409 | 6 |
| 8/15/2012 9:27:06 PM | 0.28 | 229 | 409 | 6 |
| 8/15/2012 9:28:06 PM | 0.28 | 229 | 412 | 6 |
| 8/15/2012 9:29:06 PM | 0.28 | 230 | 411 | 6 |
| 8/15/2012 9:30:06 PM | 0.27 | 230 | 412 | 6 |
| 8/15/2012 9:31:06 PM | 0.28 | 229 | 413 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 9:32:06 PM | 0.28 | 229 | 413 | 6 |
| 8/15/2012 9:33:06 PM | 0.27 | 228 | 413 | 6 |
| 8/15/2012 9:34:06 PM | 0.28 | 229 | 412 | 6 |
| 8/15/2012 9:35:06 PM | 0.28 | 229 | 413 | 6 |
| 8/15/2012 9:36:06 PM | 0.28 | 229 | 414 | 6 |
| 8/15/2012 9:37:06 PM | 0.28 | 229 | 414 | 6 |
| 8/15/2012 9:38:06 PM | 0.28 | 229 | 415 | 6 |
| 8/15/2012 9:39:06 PM | 0.28 | 228 | 414 | 6 |
| 8/15/2012 9:40:06 PM | 0.28 | 229 | 414 | 6 |
| 8/15/2012 9:41:06 PM | 0.28 | 229 | 413 | 6 |
| 8/15/2012 9:42:06 PM | 0.28 | 229 | 413 | 6 |
| 8/15/2012 9:43:06 PM | 0.28 | 229 | 413 | 6 |
| 8/15/2012 9:44:06 PM | 0.28 | 229 | 414 | 6 |
| 8/15/2012 9:45:06 PM | 0.28 | 229 | 414 | 6 |
| 8/15/2012 9:46:06 PM | 0.28 | 229 | 416 | 6 |
| 8/15/2012 9:47:06 PM | 0.28 | 229 | 417 | 6 |
| 8/15/2012 9:48:06 PM | 0.27 | 230 | 418 | 6 |
| 8/15/2012 9:49:06 PM | 0.28 | 230 | 418 | 6 |
| 8/15/2012 9:50:06 PM | 0.28 | 230 | 418 | 6 |
| 8/15/2012 9:51:06 PM | 0.28 | 231 | 419 | 6 |
| 8/15/2012 9:52:06 PM | 0.28 | 231 | 419 | 6 |
| 8/15/2012 9:53:06 PM | 0.28 | 230 | 419 | 6 |
| 8/15/2012 9:54:06 PM | 0.27 | 230 | 421 | 6 |
| 8/15/2012 9:55:06 PM | 0.27 | 230 | 421 | 6 |
| 8/15/2012 9:56:06 PM | 0.28 | 231 | 422 | 6 |
| 8/15/2012 9:57:06 PM | 0.28 | 230 | 422 | 6 |
| 8/15/2012 9:58:06 PM | 0.28 | 230 | 422 | 6 |
| 8/15/2012 9:59:06 PM | 0.28 | 230 | 423 | 6 |
| 8/15/2012 10:00:06 PM | 0.28 | 230 | 423 | 6 |
| 8/15/2012 10:01:06 PM | 0.28 | 230 | 423 | 6 |
| 8/15/2012 10:02:06 PM | 0.28 | 231 | 422 | 6 |
| 8/15/2012 10:03:06 PM | 0.28 | 231 | 422 | 6 |
| 8/15/2012 10:04:06 PM | 0.27 | 231 | 423 | 6 |
| 8/15/2012 10:05:06 PM | 0.28 | 231 | 422 | 6 |
| 8/15/2012 10:06:06 PM | 0.28 | 231 | 421 | 6 |
| 8/15/2012 10:07:06 PM | 0.28 | 231 | 419 | 6 |
| 8/15/2012 10:08:06 PM | 0.28 | 231 | 418 | 6 |
| 8/15/2012 10:09:06 PM | 0.28 | 231 | 419 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 10:10:06 PM | 0.27 | 231 | 421 | 6 |
| 8/15/2012 10:11:06 PM | 0.28 | 231 | 419 | 6 |
| 8/15/2012 10:12:06 PM | 0.27 | 230 | 420 | 6 |
| 8/15/2012 10:13:06 PM | 0.28 | 231 | 419 | 6 |
| 8/15/2012 10:14:06 PM | 0.28 | 231 | 419 | 6 |
| 8/15/2012 10:15:06 PM | 0.27 | 231 | 419 | 6 |
| 8/15/2012 10:16:06 PM | 0.27 | 230 | 419 | 6 |
| 8/15/2012 10:17:06 PM | 0.27 | 230 | 419 | 6 |
| 8/15/2012 10:18:06 PM | 0.27 | 230 | 418 | 6 |
| 8/15/2012 10:19:06 PM | 0.27 | 231 | 420 | 6 |
| 8/15/2012 10:20:06 PM | 0.28 | 231 | 419 | 6 |
| 8/15/2012 10:21:06 PM | 0.28 | 231 | 420 | 6 |
| 8/15/2012 10:22:06 PM | 0.27 | 230 | 418 | 6 |
| 8/15/2012 10:23:06 PM | 0.27 | 230 | 419 | 6 |
| 8/15/2012 10:24:06 PM | 0.28 | 229 | 419 | 6 |
| 8/15/2012 10:25:06 PM | 0.28 | 228 | 418 | 6 |
| 8/15/2012 10:26:06 PM | 0.28 | 228 | 418 | 6 |
| 8/15/2012 10:27:06 PM | 0.28 | 228 | 417 | 6 |
| 8/15/2012 10:28:06 PM | 0.28 | 228 | 417 | 6 |
| 8/15/2012 10:29:06 PM | 0.27 | 227 | 416 | 6 |
| 8/15/2012 10:30:06 PM | 0.27 | 227 | 417 | 6 |
| 8/15/2012 10:31:06 PM | 0.27 | 227 | 417 | 6 |
| 8/15/2012 10:32:06 PM | 0.28 | 227 | 417 | 6 |
| 8/15/2012 10:33:06 PM | 0.27 | 228 | 417 | 6 |
| 8/15/2012 10:34:06 PM | 0.28 | 229 | 417 | 6 |
| 8/15/2012 10:35:06 PM | 0.28 | 229 | 417 | 6 |
| 8/15/2012 10:36:06 PM | 0.28 | 230 | 418 | 6 |
| 8/15/2012 10:37:06 PM | 0.28 | 230 | 417 | 6 |
| 8/15/2012 10:38:06 PM | 0.28 | 231 | 418 | 6 |
| 8/15/2012 10:39:06 PM | 0.28 | 231 | 419 | 6 |
| 8/15/2012 10:40:06 PM | 0.27 | 231 | 418 | 6 |
| 8/15/2012 10:41:06 PM | 0.27 | 231 | 418 | 6 |
| 8/15/2012 10:42:06 PM | 0.27 | 231 | 418 | 6 |
| 8/15/2012 10:43:06 PM | 0.28 | 231 | 421 | 6 |
| 8/15/2012 10:44:06 PM | 0.28 | 231 | 422 | 6 |
| 8/15/2012 10:45:06 PM | 0.28 | 230 | 422 | 6 |
| 8/15/2012 10:46:06 PM | 0.28 | 230 | 422 | 6 |
| 8/15/2012 10:47:06 PM | 0.28 | 230 | 421 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 10:48:06 PM | 0.28 | 230 | 419 | 6 |
| 8/15/2012 10:49:06 PM | 0.28 | 229 | 420 | 6 |
| 8/15/2012 10:50:06 PM | 0.28 | 229 | 419 | 6 |
| 8/15/2012 10:51:06 PM | 0.28 | 229 | 420 | 6 |
| 8/15/2012 10:52:06 PM | 0.28 | 229 | 419 | 6 |
| 8/15/2012 10:53:06 PM | 0.28 | 229 | 419 | 6 |
| 8/15/2012 10:54:06 PM | 0.28 | 230 | 418 | 6 |
| 8/15/2012 10:55:06 PM | 0.28 | 229 | 419 | 6 |
| 8/15/2012 10:56:06 PM | 0.28 | 229 | 419 | 6 |
| 8/15/2012 10:57:06 PM | 0.28 | 230 | 419 | 6 |
| 8/15/2012 10:58:06 PM | 0.28 | 230 | 420 | 6 |
| 8/15/2012 10:59:06 PM | 0.27 | 229 | 420 | 6 |
| 8/15/2012 11:00:06 PM | 0.28 | 229 | 422 | 6 |
| 8/15/2012 11:01:06 PM | 0.28 | 230 | 422 | 6 |
| 8/15/2012 11:02:06 PM | 0.28 | 230 | 422 | 6 |
| 8/15/2012 11:03:06 PM | 0.27 | 230 | 424 | 6 |
| 8/15/2012 11:04:06 PM | 0.28 | 230 | 424 | 6 |
| 8/15/2012 11:05:06 PM | 0.28 | 230 | 423 | 6 |
| 8/15/2012 11:06:06 PM | 0.28 | 231 | 424 | 6 |
| 8/15/2012 11:07:06 PM | 0.28 | 231 | 423 | 6 |
| 8/15/2012 11:08:06 PM | 0.28 | 230 | 424 | 6 |
| 8/15/2012 11:09:06 PM | 0.28 | 230 | 424 | 6 |
| 8/15/2012 11:10:06 PM | 0.28 | 230 | 424 | 6 |
| 8/15/2012 11:11:06 PM | 0.28 | 230 | 424 | 6 |
| 8/15/2012 11:12:06 PM | 0.28 | 231 | 424 | 6 |
| 8/15/2012 11:13:06 PM | 0.28 | 231 | 423 | 6 |
| 8/15/2012 11:14:06 PM | 0.28 | 231 | 423 | 6 |
| 8/15/2012 11:15:06 PM | 0.28 | 230 | 423 | 6 |
| 8/15/2012 11:16:06 PM | 0.28 | 231 | 424 | 6 |
| 8/15/2012 11:17:06 PM | 0.28 | 231 | 422 | 6 |
| 8/15/2012 11:18:06 PM | 0.28 | 230 | 423 | 6 |
| 8/15/2012 11:19:06 PM | 0.28 | 230 | 423 | 6 |
| 8/15/2012 11:20:06 PM | 0.27 | 230 | 424 | 6 |
| 8/15/2012 11:21:06 PM | 0.27 | 231 | 423 | 6 |
| 8/15/2012 11:22:06 PM | 0.28 | 231 | 422 | 6 |
| 8/15/2012 11:23:06 PM | 0.27 | 231 | 422 | 6 |
| 8/15/2012 11:24:06 PM | 0.27 | 231 | 422 | 6 |
| 8/15/2012 11:25:06 PM | 0.27 | 231 | 423 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **15-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **15-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **23:59** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/15/2012 11:26:06 PM | 0.27 | 231 | 422 | 6 |
| 8/15/2012 11:27:06 PM | 0.27 | 232 | 421 | 6 |
| 8/15/2012 11:28:06 PM | 0.28 | 232 | 421 | 6 |
| 8/15/2012 11:29:06 PM | 0.27 | 231 | 422 | 6 |
| 8/15/2012 11:30:06 PM | 0.27 | 231 | 422 | 6 |
| 8/15/2012 11:31:06 PM | 0.27 | 231 | 422 | 6 |
| 8/15/2012 11:32:06 PM | 0.27 | 231 | 422 | 6 |
| 8/15/2012 11:33:06 PM | 0.28 | 232 | 422 | 6 |
| 8/15/2012 11:34:06 PM | 0.27 | 232 | 422 | 6 |
| 8/15/2012 11:35:06 PM | 0.27 | 232 | 423 | 7 |
| 8/15/2012 11:36:06 PM | 0.27 | 232 | 422 | 7 |
| 8/15/2012 11:37:06 PM | 0.27 | 232 | 423 | 7 |
| 8/15/2012 11:38:06 PM | 0.27 | 233 | 422 | 7 |
| 8/15/2012 11:39:06 PM | 0.27 | 232 | 423 | 7 |
| 8/15/2012 11:40:06 PM | 0.27 | 232 | 422 | 7 |
| 8/15/2012 11:41:06 PM | 0.28 | 232 | 423 | 6 |
| 8/15/2012 11:42:06 PM | 0.27 | 232 | 422 | 6 |
| 8/15/2012 11:43:06 PM | 0.28 | 232 | 423 | 6 |
| 8/15/2012 11:44:06 PM | 0.28 | 231 | 422 | 6 |
| 8/15/2012 11:45:06 PM | 0.28 | 231 | 423 | 6 |
| 8/15/2012 11:46:06 PM | 0.28 | 231 | 422 | 6 |
| 8/15/2012 11:47:06 PM | 0.28 | 230 | 422 | 6 |
| 8/15/2012 11:48:06 PM | 0.28 | 230 | 422 | 6 |
| 8/15/2012 11:49:06 PM | 0.28 | 231 | 423 | 7 |
| 8/15/2012 11:50:06 PM | 0.27 | 231 | 422 | 7 |
| 8/15/2012 11:51:06 PM | 0.28 | 231 | 422 | 7 |
| 8/15/2012 11:52:06 PM | 0.28 | 230 | 420 | 7 |
| 8/15/2012 11:53:06 PM | 0.28 | 230 | 419 | 6 |
| 8/15/2012 11:54:06 PM | 0.27 | 230 | 417 | 6 |
| 8/15/2012 11:55:06 PM | 0.28 | 229 | 417 | 6 |
| 8/15/2012 11:56:06 PM | 0.28 | 229 | 414 | 6 |
| 8/15/2012 11:57:06 PM | 0.28 | 229 | 414 | 6 |
| 8/15/2012 11:58:06 PM | 0.28 | 229 | 416 | 6 |
| 8/15/2012 11:59:06 PM | 0.28 | 229 | 416 | 6 |
| Averages | 0.28 | 225 | 399 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 0:00:06 AM | 0.28 | 229 | 415 | 6 |
| 8/16/2012 0:01:06 AM | 0.28 | 229 | 415 | 6 |
| 8/16/2012 0:02:06 AM | 0.28 | 228 | 416 | 6 |
| 8/16/2012 0:03:06 AM | 0.28 | 229 | 413 | 6 |
| 8/16/2012 0:04:06 AM | 0.28 | 228 | 415 | 7 |
| 8/16/2012 0:05:06 AM | 0.28 | 228 | 415 | 7 |
| 8/16/2012 0:06:06 AM | 0.28 | 228 | 415 | 7 |
| 8/16/2012 0:07:06 AM | 0.28 | 227 | 414 | 7 |
| 8/16/2012 0:08:06 AM | 0.28 | 228 | 415 | 6 |
| 8/16/2012 0:09:06 AM | 0.28 | 228 | 415 | 6 |
| 8/16/2012 0:10:06 AM | 0.28 | 228 | 415 | 6 |
| 8/16/2012 0:11:06 AM | 0.28 | 228 | 414 | 6 |
| 8/16/2012 0:12:06 AM | 0.28 | 227 | 413 | 6 |
| 8/16/2012 0:13:06 AM | 0.28 | 226 | 412 | 6 |
| 8/16/2012 0:14:06 AM | 0.28 | 226 | 414 | 6 |
| 8/16/2012 0:15:06 AM | 0.28 | 225 | 413 | 6 |
| 8/16/2012 0:16:06 AM | 0.28 | 225 | 414 | 6 |
| 8/16/2012 0:17:06 AM | 0.28 | 224 | 413 | 6 |
| 8/16/2012 0:18:06 AM | 0.28 | 224 | 413 | 6 |
| 8/16/2012 0:19:06 AM | 0.28 | 224 | 412 | 6 |
| 8/16/2012 0:20:06 AM | 0.28 | 225 | 413 | 6 |
| 8/16/2012 0:21:06 AM | 0.28 | 226 | 413 | 6 |
| 8/16/2012 0:22:06 AM | 0.28 | 226 | 413 | 6 |
| 8/16/2012 0:23:06 AM | 0.28 | 226 | 413 | 6 |
| 8/16/2012 0:24:06 AM | 0.28 | 226 | 415 | 6 |
| 8/16/2012 0:25:06 AM | 0.28 | 226 | 415 | 6 |
| 8/16/2012 0:26:06 AM | 0.28 | 226 | 414 | 6 |
| 8/16/2012 0:27:06 AM | 0.28 | 226 | 415 | 6 |
| 8/16/2012 0:28:06 AM | 0.28 | 225 | 413 | 6 |
| 8/16/2012 0:29:06 AM | 0.28 | 225 | 413 | 6 |
| 8/16/2012 0:30:06 AM | 0.28 | 225 | 414 | 6 |
| 8/16/2012 0:31:06 AM | 0.28 | 225 | 415 | 6 |
| 8/16/2012 0:32:06 AM | 0.28 | 225 | 415 | 6 |
| 8/16/2012 0:33:06 AM | 0.29 | 226 | 413 | 6 |
| 8/16/2012 0:34:06 AM | 0.27 | 226 | 415 | 6 |
| 8/16/2012 0:35:06 AM | 0.28 | 226 | 414 | 6 |
| 8/16/2012 0:36:06 AM | 0.28 | 226 | 416 | 6 |
| 8/16/2012 0:37:06 AM | 0.28 | 227 | 414 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 0:38:06 AM | 0.28 | 227 | 417 | 6 |
| 8/16/2012 0:39:06 AM | 0.28 | 227 | 417 | 6 |
| 8/16/2012 0:40:06 AM | 0.28 | 227 | 418 | 6 |
| 8/16/2012 0:41:06 AM | 0.28 | 227 | 417 | 6 |
| 8/16/2012 0:42:06 AM | 0.28 | 227 | 417 | 6 |
| 8/16/2012 0:43:06 AM | 0.28 | 228 | 418 | 6 |
| 8/16/2012 0:44:06 AM | 0.28 | 228 | 418 | 6 |
| 8/16/2012 0:45:06 AM | 0.28 | 228 | 418 | 6 |
| 8/16/2012 0:46:06 AM | 0.28 | 227 | 418 | 6 |
| 8/16/2012 0:47:06 AM | 0.28 | 227 | 417 | 6 |
| 8/16/2012 0:48:06 AM | 0.28 | 227 | 417 | 6 |
| 8/16/2012 0:49:06 AM | 0.28 | 226 | 416 | 6 |
| 8/16/2012 0:50:06 AM | 0.29 | 226 | 415 | 6 |
| 8/16/2012 0:51:06 AM | 0.29 | 226 | 413 | 6 |
| 8/16/2012 0:52:06 AM | 0.28 | 226 | 414 | 6 |
| 8/16/2012 0:53:06 AM | 0.29 | 226 | 413 | 6 |
| 8/16/2012 0:54:06 AM | 0.29 | 226 | 412 | 6 |
| 8/16/2012 0:55:06 AM | 0.29 | 227 | 414 | 6 |
| 8/16/2012 0:56:06 AM | 0.28 | 226 | 413 | 6 |
| 8/16/2012 0:57:06 AM | 0.29 | 226 | 413 | 6 |
| 8/16/2012 0:58:06 AM | 0.28 | 226 | 413 | 6 |
| 8/16/2012 0:59:06 AM | 0.28 | 225 | 413 | 6 |
| 8/16/2012 1:00:06 AM | 0.28 | 226 | 413 | 6 |
| 8/16/2012 1:01:06 AM | 0.28 | 226 | 414 | 6 |
| 8/16/2012 1:02:06 AM | 0.28 | 226 | 412 | 6 |
| 8/16/2012 1:03:06 AM | 0.28 | 226 | 413 | 6 |
| 8/16/2012 1:04:06 AM | 0.28 | 225 | 413 | 6 |
| 8/16/2012 1:05:06 AM | 0.28 | 225 | 413 | 6 |
| 8/16/2012 1:06:06 AM | 0.28 | 225 | 413 | 6 |
| 8/16/2012 1:07:06 AM | 0.28 | 225 | 413 | 6 |
| 8/16/2012 1:08:06 AM | 0.28 | 225 | 414 | 6 |
| 8/16/2012 1:09:06 AM | 0.29 | 225 | 415 | 6 |
| 8/16/2012 1:10:06 AM | 0.28 | 225 | 415 | 6 |
| 8/16/2012 1:11:06 AM | 0.28 | 225 | 415 | 6 |
| 8/16/2012 1:12:06 AM | 0.28 | 225 | 416 | 6 |
| 8/16/2012 1:13:06 AM | 0.29 | 225 | 416 | 6 |
| 8/16/2012 1:14:06 AM | 0.28 | 225 | 416 | 6 |
| 8/16/2012 1:15:06 AM | 0.28 | 226 | 416 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 1:16:06 AM | 0.28 | 226 | 415 | 6 |
| 8/16/2012 1:17:06 AM | 0.28 | 226 | 417 | 6 |
| 8/16/2012 1:18:06 AM | 0.28 | 226 | 417 | 6 |
| 8/16/2012 1:19:06 AM | 0.28 | 226 | 416 | 6 |
| 8/16/2012 1:20:06 AM | 0.28 | 227 | 418 | 6 |
| 8/16/2012 1:21:06 AM | 0.28 | 227 | 417 | 6 |
| 8/16/2012 1:22:06 AM | 0.28 | 226 | 417 | 6 |
| 8/16/2012 1:23:06 AM | 0.29 | 226 | 417 | 6 |
| 8/16/2012 1:24:06 AM | 0.28 | 226 | 417 | 6 |
| 8/16/2012 1:25:06 AM | 0.28 | 226 | 417 | 6 |
| 8/16/2012 1:26:06 AM | 0.28 | 227 | 417 | 6 |
| 8/16/2012 1:27:06 AM | 0.28 | 227 | 417 | 6 |
| 8/16/2012 1:28:06 AM | 0.28 | 227 | 417 | 6 |
| 8/16/2012 1:29:06 AM | 0.28 | 227 | 418 | 6 |
| 8/16/2012 1:30:06 AM | 0.28 | 227 | 417 | 6 |
| 8/16/2012 1:31:06 AM | 0.28 | 227 | 417 | 6 |
| 8/16/2012 1:32:06 AM | 0.28 | 228 | 417 | 6 |
| 8/16/2012 1:33:06 AM | 0.28 | 228 | 417 | 6 |
| 8/16/2012 1:34:06 AM | 0.28 | 228 | 417 | 6 |
| 8/16/2012 1:35:06 AM | 0.28 | 228 | 418 | 6 |
| 8/16/2012 1:36:06 AM | 0.28 | 227 | 418 | 6 |
| 8/16/2012 1:37:06 AM | 0.28 | 228 | 418 | 6 |
| 8/16/2012 1:38:06 AM | 0.28 | 227 | 418 | 6 |
| 8/16/2012 1:39:06 AM | 0.28 | 227 | 418 | 6 |
| 8/16/2012 1:40:06 AM | 0.28 | 227 | 418 | 6 |
| 8/16/2012 1:41:06 AM | 0.28 | 228 | 418 | 6 |
| 8/16/2012 1:42:06 AM | 0.28 | 227 | 418 | 6 |
| 8/16/2012 1:43:06 AM | 0.28 | 227 | 417 | 6 |
| 8/16/2012 1:44:06 AM | 0.28 | 227 | 418 | 6 |
| 8/16/2012 1:45:06 AM | 0.28 | 226 | 418 | 6 |
| 8/16/2012 1:46:06 AM | 0.28 | 226 | 418 | 6 |
| 8/16/2012 1:47:06 AM | 0.28 | 225 | 417 | 6 |
| 8/16/2012 1:48:06 AM | 0.28 | 225 | 417 | 6 |
| 8/16/2012 1:49:06 AM | 0.28 | 226 | 417 | 7 |
| 8/16/2012 1:50:06 AM | 0.28 | 226 | 417 | 7 |
| 8/16/2012 1:51:06 AM | 0.28 | 226 | 415 | 7 |
| 8/16/2012 1:52:06 AM | 0.28 | 225 | 416 | 7 |
| 8/16/2012 1:53:06 AM | 0.28 | 225 | 414 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 1:54:06 AM | 0.28 | 225 | 415 | 7 |
| 8/16/2012 1:55:06 AM | 0.28 | 225 | 415 | 7 |
| 8/16/2012 1:56:06 AM | 0.29 | 225 | 414 | 6 |
| 8/16/2012 1:57:06 AM | 0.28 | 225 | 414 | 6 |
| 8/16/2012 1:58:06 AM | 0.28 | 226 | 414 | 6 |
| 8/16/2012 1:59:06 AM | 0.28 | 226 | 414 | 6 |
| 8/16/2012 2:00:06 AM | 0.28 | 226 | 413 | 6 |
| 8/16/2012 2:01:06 AM | 0.28 | 226 | 413 | 6 |
| 8/16/2012 2:02:06 AM | 0.28 | 226 | 412 | 6 |
| 8/16/2012 2:03:06 AM | 0.28 | 225 | 412 | 6 |
| 8/16/2012 2:04:06 AM | 0.29 | 225 | 412 | 6 |
| 8/16/2012 2:05:06 AM | 0.28 | 225 | 412 | 6 |
| 8/16/2012 2:06:06 AM | 0.28 | 224 | 411 | 6 |
| 8/16/2012 2:07:06 AM | 0.28 | 223 | 410 | 6 |
| 8/16/2012 2:08:06 AM | 0.28 | 223 | 409 | 6 |
| 8/16/2012 2:09:06 AM | 0.29 | 222 | 409 | 6 |
| 8/16/2012 2:10:06 AM | 0.29 | 221 | 407 | 6 |
| 8/16/2012 2:11:06 AM | 0.29 | 220 | 407 | 6 |
| 8/16/2012 2:12:06 AM | 0.29 | 217 | 406 | 6 |
| 8/16/2012 2:13:06 AM | 0.29 | 216 | 404 | 6 |
| 8/16/2012 2:14:06 AM | 0.29 | 215 | 403 | 6 |
| 8/16/2012 2:15:06 AM | 0.30 | 214 | 403 | 6 |
| 8/16/2012 2:16:06 AM | 0.29 | 213 | 401 | 6 |
| 8/16/2012 2:17:06 AM | 0.30 | 212 | 399 | 6 |
| 8/16/2012 2:18:06 AM | 0.30 | 212 | 398 | 6 |
| 8/16/2012 2:19:06 AM | 0.29 | 210 | 398 | 6 |
| 8/16/2012 2:20:06 AM | 0.30 | 210 | 395 | 6 |
| 8/16/2012 2:21:06 AM | 0.30 | 210 | 394 | 6 |
| 8/16/2012 2:22:06 AM | 0.30 | 210 | 394 | 6 |
| 8/16/2012 2:23:06 AM | 0.29 | 210 | 393 | 6 |
| 8/16/2012 2:24:06 AM | 0.29 | 210 | 393 | 6 |
| 8/16/2012 2:25:06 AM | 0.30 | 210 | 393 | 6 |
| 8/16/2012 2:26:06 AM | 0.30 | 210 | 393 | 6 |
| 8/16/2012 2:27:06 AM | 0.30 | 209 | 392 | 6 |
| 8/16/2012 2:28:06 AM | 0.29 | 210 | 391 | 6 |
| 8/16/2012 2:29:06 AM | 0.30 | 210 | 391 | 6 |
| 8/16/2012 2:30:06 AM | 0.30 | 210 | 391 | 6 |
| 8/16/2012 2:31:06 AM | 0.30 | 210 | 391 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 2:32:06 AM | 0.30 | 210 | 391 | 6 |
| 8/16/2012 2:33:06 AM | 0.30 | 209 | 389 | 6 |
| 8/16/2012 2:34:06 AM | 0.30 | 208 | 389 | 6 |
| 8/16/2012 2:35:06 AM | 0.30 | 206 | 388 | 6 |
| 8/16/2012 2:36:06 AM | 0.30 | 205 | 388 | 6 |
| 8/16/2012 2:37:06 AM | 0.30 | 205 | 387 | 6 |
| 8/16/2012 2:38:06 AM | 0.30 | 204 | 386 | 6 |
| 8/16/2012 2:39:06 AM | 0.31 | 204 | 386 | 6 |
| 8/16/2012 2:40:06 AM | 0.30 | 204 | 386 | 6 |
| 8/16/2012 2:41:06 AM | 0.30 | 204 | 383 | 6 |
| 8/16/2012 2:42:06 AM | 0.30 | 203 | 384 | 6 |
| 8/16/2012 2:43:06 AM | 0.30 | 203 | 384 | 6 |
| 8/16/2012 2:44:06 AM | 0.30 | 203 | 384 | 6 |
| 8/16/2012 2:45:06 AM | 0.30 | 204 | 384 | 6 |
| 8/16/2012 2:46:06 AM | 0.30 | 204 | 384 | 6 |
| 8/16/2012 2:47:06 AM | 0.30 | 204 | 386 | 6 |
| 8/16/2012 2:48:06 AM | 0.30 | 204 | 385 | 6 |
| 8/16/2012 2:49:06 AM | 0.30 | 204 | 386 | 6 |
| 8/16/2012 2:50:06 AM | 0.30 | 204 | 387 | 6 |
| 8/16/2012 2:51:06 AM | 0.30 | 204 | 387 | 6 |
| 8/16/2012 2:52:06 AM | 0.30 | 204 | 388 | 6 |
| 8/16/2012 2:53:06 AM | 0.30 | 204 | 389 | 6 |
| 8/16/2012 2:54:06 AM | 0.30 | 204 | 388 | 6 |
| 8/16/2012 2:55:06 AM | 0.30 | 204 | 389 | 6 |
| 8/16/2012 2:56:06 AM | 0.30 | 204 | 390 | 6 |
| 8/16/2012 2:57:06 AM | 0.30 | 203 | 389 | 6 |
| 8/16/2012 2:58:06 AM | 0.30 | 204 | 388 | 6 |
| 8/16/2012 2:59:06 AM | 0.30 | 204 | 389 | 7 |
| 8/16/2012 3:00:06 AM | 0.30 | 204 | 390 | 7 |
| 8/16/2012 3:01:06 AM | 0.30 | 205 | 389 | 7 |
| 8/16/2012 3:02:06 AM | 0.30 | 205 | 389 | 7 |
| 8/16/2012 3:03:06 AM | 0.30 | 204 | 389 | 7 |
| 8/16/2012 3:04:06 AM | 0.30 | 205 | 389 | 7 |
| 8/16/2012 3:05:06 AM | 0.30 | 205 | 388 | 7 |
| 8/16/2012 3:06:06 AM | 0.30 | 205 | 387 | 7 |
| 8/16/2012 3:07:06 AM | 0.30 | 205 | 387 | 7 |
| 8/16/2012 3:08:06 AM | 0.30 | 205 | 387 | 6 |
| 8/16/2012 3:09:06 AM | 0.30 | 205 | 387 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 3:10:06 AM | 0.30 | 205 | 386 | 7 |
| 8/16/2012 3:11:06 AM | 0.29 | 206 | 385 | 7 |
| 8/16/2012 3:12:06 AM | 0.30 | 206 | 385 | 7 |
| 8/16/2012 3:13:06 AM | 0.30 | 207 | 385 | 7 |
| 8/16/2012 3:14:06 AM | 0.30 | 207 | 386 | 6 |
| 8/16/2012 3:15:06 AM | 0.30 | 206 | 385 | 6 |
| 8/16/2012 3:16:06 AM | 0.29 | 206 | 385 | 7 |
| 8/16/2012 3:17:06 AM | 0.29 | 207 | 386 | 7 |
| 8/16/2012 3:18:06 AM | 0.29 | 207 | 386 | 7 |
| 8/16/2012 3:19:06 AM | 0.29 | 207 | 385 | 7 |
| 8/16/2012 3:20:06 AM | 0.29 | 206 | 386 | 6 |
| 8/16/2012 3:21:06 AM | 0.29 | 206 | 385 | 6 |
| 8/16/2012 3:22:06 AM | 0.29 | 206 | 386 | 6 |
| 8/16/2012 3:23:06 AM | 0.29 | 207 | 386 | 6 |
| 8/16/2012 3:24:06 AM | 0.30 | 207 | 387 | 6 |
| 8/16/2012 3:25:06 AM | 0.29 | 208 | 387 | 6 |
| 8/16/2012 3:26:06 AM | 0.29 | 207 | 388 | 6 |
| 8/16/2012 3:27:06 AM | 0.29 | 208 | 389 | 6 |
| 8/16/2012 3:28:06 AM | 0.29 | 208 | 391 | 6 |
| 8/16/2012 3:29:06 AM | 0.29 | 209 | 389 | 6 |
| 8/16/2012 3:30:06 AM | 0.29 | 210 | 390 | 6 |
| 8/16/2012 3:31:06 AM | 0.29 | 209 | 392 | 6 |
| 8/16/2012 3:32:06 AM | 0.29 | 208 | 392 | 6 |
| 8/16/2012 3:33:06 AM | 0.29 | 205 | 391 | 6 |
| 8/16/2012 3:34:06 AM | 0.30 | 201 | 391 | 6 |
| 8/16/2012 3:35:06 AM | 0.30 | 200 | 390 | 6 |
| 8/16/2012 3:36:06 AM | 0.30 | 200 | 389 | 6 |
| 8/16/2012 3:37:06 AM | 0.30 | 200 | 389 | 6 |
| 8/16/2012 3:38:06 AM | 0.30 | 200 | 388 | 6 |
| 8/16/2012 3:39:06 AM | 0.30 | 200 | 387 | 6 |
| 8/16/2012 3:40:06 AM | 0.30 | 199 | 385 | 6 |
| 8/16/2012 3:41:06 AM | 0.30 | 199 | 384 | 7 |
| 8/16/2012 3:42:06 AM | 0.31 | 193 | 381 | 7 |
| 8/16/2012 3:43:06 AM | 0.30 | 188 | 377 | 7 |
| 8/16/2012 3:44:06 AM | 0.31 | 186 | 374 | 7 |
| 8/16/2012 3:45:06 AM | 0.29 | 187 | 371 | 7 |
| 8/16/2012 3:46:06 AM | 0.29 | 187 | 370 | 7 |
| 8/16/2012 3:47:06 AM | 0.30 | 189 | 368 | 7 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 3:48:06 AM | 0.30 | 187 | 368 | 7 |
| 8/16/2012 3:49:06 AM | 0.29 | 188 | 367 | 7 |
| 8/16/2012 3:50:06 AM | 0.29 | 188 | 366 | 7 |
| 8/16/2012 3:51:06 AM | 0.29 | 189 | 364 | 7 |
| 8/16/2012 3:52:06 AM | 0.29 | 190 | 363 | 7 |
| 8/16/2012 3:53:06 AM | 0.29 | 191 | 365 | 6 |
| 8/16/2012 3:54:06 AM | 0.29 | 193 | 365 | 6 |
| 8/16/2012 3:55:06 AM | 0.29 | 193 | 367 | 6 |
| 8/16/2012 3:56:06 AM | 0.29 | 192 | 368 | 6 |
| 8/16/2012 3:57:06 AM | 0.29 | 193 | 367 | 6 |
| 8/16/2012 3:58:06 AM | 0.28 | 195 | 367 | 6 |
| 8/16/2012 3:59:06 AM | 0.29 | 198 | 367 | 6 |
| 8/16/2012 4:00:06 AM | 0.29 | 199 | 366 | 6 |
| 8/16/2012 4:01:06 AM | 0.29 | 200 | 365 | 6 |
| 8/16/2012 4:02:06 AM | 0.28 | 202 | 365 | 6 |
| 8/16/2012 4:03:06 AM | 0.28 | 204 | 365 | 6 |
| 8/16/2012 4:04:06 AM | 0.28 | 206 | 367 | 6 |
| 8/16/2012 4:05:06 AM | 0.28 | 207 | 368 | 6 |
| 8/16/2012 4:06:06 AM | 0.28 | 208 | 368 | 6 |
| 8/16/2012 4:07:06 AM | 0.28 | 208 | 368 | 6 |
| 8/16/2012 4:08:06 AM | 0.28 | 209 | 367 | 6 |
| 8/16/2012 4:09:06 AM | 0.28 | 209 | 368 | 6 |
| 8/16/2012 4:10:06 AM | 0.29 | 209 | 367 | 6 |
| 8/16/2012 4:11:06 AM | 0.28 | 209 | 365 | 6 |
| 8/16/2012 4:12:06 AM | 0.28 | 208 | 365 | 6 |
| 8/16/2012 4:13:06 AM | 0.28 | 208 | 364 | 6 |
| 8/16/2012 4:14:06 AM | 0.28 | 209 | 363 | 6 |
| 8/16/2012 4:15:06 AM | 0.28 | 210 | 363 | 6 |
| 8/16/2012 4:16:06 AM | 0.29 | 208 | 362 | 6 |
| 8/16/2012 4:17:06 AM | 0.29 | 207 | 363 | 6 |
| 8/16/2012 4:18:06 AM | 0.28 | 205 | 362 | 6 |
| 8/16/2012 4:19:06 AM | 0.28 | 205 | 361 | 6 |
| 8/16/2012 4:20:06 AM | 0.29 | 206 | 360 | 6 |
| 8/16/2012 4:21:06 AM | 0.28 | 207 | 360 | 6 |
| 8/16/2012 4:22:06 AM | 0.29 | 207 | 360 | 6 |
| 8/16/2012 4:23:06 AM | 0.29 | 208 | 359 | 6 |
| 8/16/2012 4:24:06 AM | 0.29 | 208 | 359 | 6 |
| 8/16/2012 4:25:06 AM | 0.29 | 208 | 360 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 4:26:06 AM | 0.29 | 208 | 359 | 6 |
| 8/16/2012 4:27:06 AM | 0.29 | 208 | 359 | 6 |
| 8/16/2012 4:28:06 AM | 0.29 | 208 | 359 | 6 |
| 8/16/2012 4:29:06 AM | 0.29 | 208 | 358 | 6 |
| 8/16/2012 4:30:06 AM | 0.28 | 209 | 359 | 6 |
| 8/16/2012 4:31:06 AM | 0.28 | 209 | 359 | 6 |
| 8/16/2012 4:32:06 AM | 0.29 | 208 | 359 | 6 |
| 8/16/2012 4:33:06 AM | 0.29 | 208 | 358 | 6 |
| 8/16/2012 4:34:06 AM | 0.29 | 208 | 358 | 6 |
| 8/16/2012 4:35:06 AM | 0.29 | 209 | 357 | 6 |
| 8/16/2012 4:36:06 AM | 0.29 | 209 | 358 | 6 |
| 8/16/2012 4:37:06 AM | 0.28 | 211 | 358 | 6 |
| 8/16/2012 4:38:06 AM | 0.28 | 213 | 359 | 6 |
| 8/16/2012 4:39:06 AM | 0.29 | 213 | 362 | 6 |
| 8/16/2012 4:40:06 AM | 0.29 | 211 | 361 | 6 |
| 8/16/2012 4:41:06 AM | 0.29 | 210 | 361 | 5 |
| 8/16/2012 4:42:06 AM | 0.29 | 209 | 362 | 5 |
| 8/16/2012 4:43:06 AM | 0.28 | 208 | 361 | 5 |
| 8/16/2012 4:44:06 AM | 0.29 | 209 | 361 | 5 |
| 8/16/2012 4:45:06 AM | 0.29 | 210 | 362 | 5 |
| 8/16/2012 4:46:06 AM | 0.29 | 210 | 363 | 5 |
| 8/16/2012 4:47:06 AM | 0.29 | 210 | 364 | 5 |
| 8/16/2012 4:48:06 AM | 0.29 | 210 | 363 | 5 |
| 8/16/2012 4:49:06 AM | 0.28 | 211 | 366 | 5 |
| 8/16/2012 4:50:06 AM | 0.28 | 213 | 367 | 5 |
| 8/16/2012 4:51:06 AM | 0.28 | 213 | 368 | 5 |
| 8/16/2012 4:52:06 AM | 0.28 | 213 | 370 | 5 |
| 8/16/2012 4:53:06 AM | 0.28 | 214 | 372 | 5 |
| 8/16/2012 4:54:06 AM | 0.28 | 215 | 373 | 5 |
| 8/16/2012 4:55:06 AM | 0.28 | 216 | 373 | 5 |
| 8/16/2012 4:56:06 AM | 0.28 | 216 | 375 | 5 |
| 8/16/2012 4:57:06 AM | 0.28 | 216 | 376 | 5 |
| 8/16/2012 4:58:06 AM | 0.28 | 215 | 377 | 5 |
| 8/16/2012 4:59:06 AM | 0.28 | 215 | 377 | 6 |
| 8/16/2012 5:00:06 AM | 0.28 | 215 | 376 | 6 |
| 8/16/2012 5:01:06 AM | 0.29 | 215 | 376 | 6 |
| 8/16/2012 5:02:06 AM | 0.28 | 214 | 376 | 6 |
| 8/16/2012 5:03:06 AM | 0.29 | 213 | 373 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 5:04:06 AM | 0.29 | 211 | 372 | 6 |
| 8/16/2012 5:05:06 AM | 0.29 | 207 | 372 | 6 |
| 8/16/2012 5:06:06 AM | 0.29 | 205 | 369 | 6 |
| 8/16/2012 5:07:06 AM | 0.29 | 204 | 368 | 6 |
| 8/16/2012 5:08:06 AM | 0.29 | 204 | 367 | 6 |
| 8/16/2012 5:09:06 AM | 0.29 | 204 | 366 | 6 |
| 8/16/2012 5:10:06 AM | 0.29 | 205 | 365 | 6 |
| 8/16/2012 5:11:06 AM | 0.29 | 206 | 365 | 6 |
| 8/16/2012 5:12:06 AM | 0.29 | 206 | 363 | 6 |
| 8/16/2012 5:13:06 AM | 0.28 | 208 | 364 | 6 |
| 8/16/2012 5:14:06 AM | 0.29 | 209 | 365 | 6 |
| 8/16/2012 5:15:06 AM | 0.29 | 207 | 366 | 6 |
| 8/16/2012 5:16:06 AM | 0.29 | 206 | 367 | 6 |
| 8/16/2012 5:17:06 AM | 0.29 | 204 | 365 | 6 |
| 8/16/2012 5:18:06 AM | 0.29 | 204 | 365 | 6 |
| 8/16/2012 5:19:06 AM | 0.29 | 205 | 363 | 6 |
| 8/16/2012 5:20:06 AM | 0.29 | 205 | 363 | 6 |
| 8/16/2012 5:21:06 AM | 0.29 | 203 | 363 | 6 |
| 8/16/2012 5:22:06 AM | 0.29 | 200 | 363 | 5 |
| 8/16/2012 5:23:06 AM | 0.29 | 198 | 363 | 5 |
| 8/16/2012 5:24:06 AM | 0.29 | 197 | 363 | 5 |
| 8/16/2012 5:25:06 AM | 0.30 | 194 | 362 | 5 |
| 8/16/2012 5:26:06 AM | 0.30 | 195 | 361 | 5 |
| 8/16/2012 5:27:06 AM | 0.30 | 194 | 361 | 5 |
| 8/16/2012 5:28:06 AM | 0.30 | 193 | 359 | 5 |
| 8/16/2012 5:29:06 AM | 0.30 | 191 | 358 | 5 |
| 8/16/2012 5:30:06 AM | 0.30 | 190 | 358 | 5 |
| 8/16/2012 5:31:06 AM | 0.30 | 189 | 358 | 5 |
| 8/16/2012 5:32:06 AM | 0.30 | 188 | 357 | 5 |
| 8/16/2012 5:33:06 AM | 0.30 | 187 | 357 | 5 |
| 8/16/2012 5:34:06 AM | 0.30 | 187 | 357 | 5 |
| 8/16/2012 5:35:06 AM | 0.30 | 186 | 357 | 5 |
| 8/16/2012 5:36:06 AM | 0.31 | 186 | 357 | 5 |
| 8/16/2012 5:37:06 AM | 0.31 | 187 | 355 | 5 |
| 8/16/2012 5:38:06 AM | 0.30 | 187 | 355 | 5 |
| 8/16/2012 5:39:06 AM | 0.31 | 188 | 356 | 5 |
| 8/16/2012 5:40:06 AM | 0.31 | 186 | 355 | 5 |
| 8/16/2012 5:41:06 AM | 0.30 | 186 | 354 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 5:42:06 AM | 0.30 | 185 | 353 | 6 |
| 8/16/2012 5:43:06 AM | 0.30 | 185 | 352 | 6 |
| 8/16/2012 5:44:06 AM | 0.31 | 185 | 348 | 6 |
| 8/16/2012 5:45:06 AM | 0.30 | 186 | 348 | 6 |
| 8/16/2012 5:46:06 AM | 0.30 | 184 | 348 | 6 |
| 8/16/2012 5:47:06 AM | 0.30 | 184 | 348 | 6 |
| 8/16/2012 5:48:06 AM | 0.30 | 185 | 348 | 6 |
| 8/16/2012 5:49:06 AM | 0.30 | 186 | 348 | 6 |
| 8/16/2012 5:50:06 AM | 0.30 | 185 | 347 | 6 |
| 8/16/2012 5:51:06 AM | 0.30 | 185 | 346 | 6 |
| 8/16/2012 5:52:06 AM | 0.30 | 186 | 346 | 6 |
| 8/16/2012 5:53:06 AM | 0.30 | 186 | 346 | 6 |
| 8/16/2012 5:54:06 AM | 0.30 | 188 | 344 | 6 |
| 8/16/2012 5:55:06 AM | 0.30 | 187 | 345 | 6 |
| 8/16/2012 5:56:06 AM | 0.30 | 188 | 344 | 5 |
| 8/16/2012 5:57:06 AM | 0.30 | 188 | 345 | 5 |
| 8/16/2012 5:58:06 AM | 0.31 | 188 | 346 | 5 |
| 8/16/2012 5:59:06 AM | 0.31 | 187 | 348 | 5 |
| 8/16/2012 6:00:06 AM | 0.30 | 187 | 348 | 5 |
| 8/16/2012 6:01:06 AM | 0.30 | 187 | 352 | 5 |
| 8/16/2012 6:02:06 AM | 0.30 | 187 | 351 | 5 |
| 8/16/2012 6:03:06 AM | 0.30 | 186 | 352 | 5 |
| 8/16/2012 6:04:06 AM | 0.31 | 186 | 352 | 5 |
| 8/16/2012 6:05:06 AM | 0.30 | 187 | 352 | 5 |
| 8/16/2012 6:06:06 AM | 0.30 | 187 | 353 | 5 |
| 8/16/2012 6:07:06 AM | 0.30 | 188 | 355 | 5 |
| 8/16/2012 6:08:06 AM | 0.30 | 188 | 356 | 5 |
| 8/16/2012 6:09:06 AM | 0.30 | 189 | 357 | 5 |
| 8/16/2012 6:10:06 AM | 0.30 | 190 | 358 | 5 |
| 8/16/2012 6:11:06 AM | 0.30 | 191 | 359 | 5 |
| 8/16/2012 6:12:06 AM | 0.29 | 191 | 361 | 5 |
| 8/16/2012 6:13:06 AM | 0.29 | 192 | 362 | 5 |
| 8/16/2012 6:14:06 AM | 0.29 | 193 | 362 | 5 |
| 8/16/2012 6:15:06 AM | 0.29 | 194 | 363 | 5 |
| 8/16/2012 6:16:06 AM | 0.30 | 194 | 362 | 6 |
| 8/16/2012 6:17:06 AM | 0.30 | 193 | 362 | 6 |
| 8/16/2012 6:18:06 AM | 0.30 | 193 | 361 | 6 |
| 8/16/2012 6:19:06 AM | 0.30 | 193 | 361 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 6:20:06 AM | 0.30 | 193 | 359 | 5 |
| 8/16/2012 6:21:06 AM | 0.30 | 194 | 358 | 5 |
| 8/16/2012 6:22:06 AM | 0.30 | 193 | 358 | 5 |
| 8/16/2012 6:23:06 AM | 0.30 | 192 | 357 | 5 |
| 8/16/2012 6:24:06 AM | 0.30 | 191 | 354 | 5 |
| 8/16/2012 6:25:06 AM | 0.30 | 190 | 353 | 5 |
| 8/16/2012 6:26:06 AM | 0.30 | 189 | 352 | 5 |
| 8/16/2012 6:27:06 AM | 0.31 | 190 | 349 | 5 |
| 8/16/2012 6:28:06 AM | 0.30 | 190 | 348 | 5 |
| 8/16/2012 6:29:06 AM | 0.30 | 190 | 347 | 5 |
| 8/16/2012 6:30:06 AM | 0.31 | 188 | 346 | 5 |
| 8/16/2012 6:31:06 AM | 0.31 | 188 | 343 | 5 |
| 8/16/2012 6:32:06 AM | 0.30 | 189 | 341 | 5 |
| 8/16/2012 6:33:06 AM | 0.30 | 188 | 342 | 5 |
| 8/16/2012 6:34:06 AM | 0.31 | 188 | 340 | 5 |
| 8/16/2012 6:35:06 AM | 0.31 | 189 | 341 | 5 |
| 8/16/2012 6:36:06 AM | 0.30 | 188 | 341 | 5 |
| 8/16/2012 6:37:06 AM | 0.31 | 189 | 341 | 5 |
| 8/16/2012 6:38:06 AM | 0.30 | 189 | 341 | 5 |
| 8/16/2012 6:39:06 AM | 0.30 | 190 | 342 | 5 |
| 8/16/2012 6:40:06 AM | 0.31 | 191 | 343 | 5 |
| 8/16/2012 6:41:06 AM | 0.30 | 191 | 344 | 5 |
| 8/16/2012 6:42:06 AM | 0.31 | 190 | 345 | 5 |
| 8/16/2012 6:43:06 AM | 0.31 | 190 | 345 | 5 |
| 8/16/2012 6:44:06 AM | 0.31 | 189 | 346 | 5 |
| 8/16/2012 6:45:06 AM | 0.30 | 189 | 344 | 5 |
| 8/16/2012 6:46:06 AM | 0.31 | 190 | 344 | 5 |
| 8/16/2012 6:47:06 AM | 0.30 | 190 | 345 | 5 |
| 8/16/2012 6:48:06 AM | 0.30 | 189 | 345 | 5 |
| 8/16/2012 6:49:06 AM | 0.30 | 189 | 344 | 5 |
| 8/16/2012 6:50:06 AM | 0.29 | 189 | 345 | 5 |
| 8/16/2012 6:51:06 AM | 0.30 | 191 | 345 | 5 |
| 8/16/2012 6:52:06 AM | 0.30 | 192 | 345 | 5 |
| 8/16/2012 6:53:06 AM | 0.30 | 193 | 344 | 6 |
| 8/16/2012 6:54:06 AM | 0.29 | 193 | 343 | 6 |
| 8/16/2012 6:55:06 AM | 0.30 | 193 | 344 | 6 |
| 8/16/2012 6:56:06 AM | 0.30 | 192 | 343 | 6 |
| 8/16/2012 6:57:06 AM | 0.30 | 193 | 343 | 6 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 6:58:06 AM | 0.30 | 194 | 343 | 5 |
| 8/16/2012 6:59:06 AM | 0.30 | 193 | 342 | 5 |
| 8/16/2012 7:00:06 AM | 0.31 | 193 | 342 | 5 |
| 8/16/2012 7:01:06 AM | 0.30 | 193 | 341 | 5 |
| 8/16/2012 7:02:06 AM | 0.30 | 193 | 341 | 5 |
| 8/16/2012 7:03:06 AM | 0.30 | 193 | 338 | 5 |
| 8/16/2012 7:04:06 AM | 0.31 | 194 | 337 | 5 |
| 8/16/2012 7:05:06 AM | 0.30 | 195 | 338 | 5 |
| 8/16/2012 7:06:06 AM | 0.30 | 197 | 340 | 5 |
| 8/16/2012 7:07:06 AM | 0.30 | 197 | 341 | 5 |
| 8/16/2012 7:08:06 AM | 0.30 | 197 | 342 | 5 |
| 8/16/2012 7:09:06 AM | 0.30 | 198 | 342 | 5 |
| 8/16/2012 7:10:06 AM | 0.30 | 199 | 342 | 5 |
| 8/16/2012 7:11:06 AM | 0.30 | 199 | 342 | 5 |
| 8/16/2012 7:12:06 AM | 0.29 | 200 | 343 | 5 |
| 8/16/2012 7:13:06 AM | 0.29 | 201 | 344 | 5 |
| 8/16/2012 7:14:06 AM | 0.29 | 203 | 344 | 5 |
| 8/16/2012 7:15:06 AM | 0.29 | 203 | 345 | 5 |
| 8/16/2012 7:16:06 AM | 0.29 | 204 | 347 | 5 |
| 8/16/2012 7:17:06 AM | 0.28 | 204 | 347 | 5 |
| 8/16/2012 7:18:06 AM | 0.28 | 205 | 349 | 5 |
| 8/16/2012 7:19:06 AM | 0.29 | 204 | 353 | 5 |
| 8/16/2012 7:20:06 AM | 0.28 | 203 | 352 | 5 |
| 8/16/2012 7:21:06 AM | 0.29 | 203 | 353 | 5 |
| 8/16/2012 7:22:06 AM | 0.29 | 203 | 353 | 5 |
| 8/16/2012 7:23:06 AM | 0.29 | 204 | 354 | 5 |
| 8/16/2012 7:24:06 AM | 0.29 | 203 | 355 | 5 |
| 8/16/2012 7:25:06 AM | 0.29 | 204 | 355 | 5 |
| 8/16/2012 7:26:06 AM | 0.29 | 205 | 354 | 5 |
| 8/16/2012 7:27:06 AM | 0.29 | 206 | 356 | 5 |
| 8/16/2012 7:28:06 AM | 0.28 | 206 | 357 | 5 |
| 8/16/2012 7:29:06 AM | 0.28 | 207 | 358 | 5 |
| 8/16/2012 7:30:06 AM | 0.28 | 208 | 358 | 5 |
| 8/16/2012 7:31:06 AM | 0.28 | 210 | 359 | 5 |
| 8/16/2012 7:32:06 AM | 0.28 | 211 | 360 | 5 |
| 8/16/2012 7:33:06 AM | 0.28 | 211 | 361 | 5 |
| 8/16/2012 7:34:06 AM | 0.28 | 212 | 361 | 5 |
| 8/16/2012 7:35:06 AM | 0.28 | 212 | 362 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 7:36:06 AM | 0.29 | 212 | 363 | 5 |
| 8/16/2012 7:37:06 AM | 0.28 | 211 | 362 | 5 |
| 8/16/2012 7:38:06 AM | 0.28 | 212 | 363 | 5 |
| 8/16/2012 7:39:06 AM | 0.28 | 212 | 363 | 5 |
| 8/16/2012 7:40:06 AM | 0.28 | 212 | 363 | 5 |
| 8/16/2012 7:41:06 AM | 0.28 | 212 | 363 | 5 |
| 8/16/2012 7:42:06 AM | 0.28 | 212 | 363 | 5 |
| 8/16/2012 7:43:06 AM | 0.28 | 213 | 363 | 5 |
| 8/16/2012 7:44:06 AM | 0.28 | 213 | 365 | 5 |
| 8/16/2012 7:45:06 AM | 0.28 | 213 | 365 | 5 |
| 8/16/2012 7:46:06 AM | 0.29 | 213 | 367 | 5 |
| 8/16/2012 7:47:06 AM | 0.28 | 213 | 368 | 5 |
| 8/16/2012 7:48:06 AM | 0.28 | 213 | 368 | 5 |
| 8/16/2012 7:49:06 AM | 0.28 | 214 | 368 | 5 |
| 8/16/2012 7:50:06 AM | 0.28 | 214 | 367 | 5 |
| 8/16/2012 7:51:06 AM | 0.28 | 213 | 367 | 5 |
| 8/16/2012 7:52:06 AM | 0.28 | 213 | 368 | 5 |
| 8/16/2012 7:53:06 AM | 0.29 | 213 | 368 | 5 |
| 8/16/2012 7:54:06 AM | 0.29 | 212 | 369 | 5 |
| 8/16/2012 7:55:06 AM | 0.29 | 213 | 369 | 5 |
| 8/16/2012 7:56:06 AM | 0.29 | 212 | 369 | 5 |
| 8/16/2012 7:57:06 AM | 0.29 | 212 | 370 | 5 |
| 8/16/2012 7:58:06 AM | 0.29 | 212 | 370 | 5 |
| 8/16/2012 7:59:06 AM | 0.28 | 213 | 371 | 5 |
| 8/16/2012 8:00:06 AM | 0.28 | 214 | 372 | 5 |
| 8/16/2012 8:01:06 AM | 0.28 | 214 | 373 | 5 |
| 8/16/2012 8:02:06 AM | 0.28 | 214 | 372 | 5 |
| 8/16/2012 8:03:06 AM | 0.28 | 216 | 371 | 5 |
| 8/16/2012 8:04:06 AM | 0.28 | 216 | 372 | 5 |
| 8/16/2012 8:05:06 AM | 0.28 | 216 | 373 | 5 |
| 8/16/2012 8:06:06 AM | 0.29 | 215 | 372 | 5 |
| 8/16/2012 8:07:06 AM | 0.28 | 215 | 372 | 5 |
| 8/16/2012 8:08:06 AM | 0.28 | 215 | 371 | 5 |
| 8/16/2012 8:09:06 AM | 0.29 | 215 | 371 | 5 |
| 8/16/2012 8:10:06 AM | 0.29 | 215 | 371 | 5 |
| 8/16/2012 8:11:06 AM | 0.29 | 214 | 370 | 5 |
| 8/16/2012 8:12:06 AM | 0.29 | 214 | 370 | 5 |
| 8/16/2012 8:13:06 AM | 0.29 | 214 | 371 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 8:14:06 AM | 0.28 | 214 | 370 | 5 |
| 8/16/2012 8:15:06 AM | 0.28 | 215 | 370 | 5 |
| 8/16/2012 8:16:06 AM | 0.28 | 216 | 371 | 5 |
| 8/16/2012 8:17:06 AM | 0.29 | 216 | 371 | 5 |
| 8/16/2012 8:18:06 AM | 0.29 | 214 | 371 | 5 |
| 8/16/2012 8:19:06 AM | 0.29 | 214 | 373 | 5 |
| 8/16/2012 8:20:06 AM | 0.28 | 214 | 372 | 5 |
| 8/16/2012 8:21:06 AM | 0.28 | 214 | 373 | 5 |
| 8/16/2012 8:22:06 AM | 0.28 | 215 | 376 | 5 |
| 8/16/2012 8:23:06 AM | 0.28 | 216 | 378 | 5 |
| 8/16/2012 8:24:06 AM | 0.28 | 216 | 379 | 5 |
| 8/16/2012 8:25:06 AM | 0.28 | 217 | 382 | 5 |
| 8/16/2012 8:26:06 AM | 0.29 | 216 | 383 | 5 |
| 8/16/2012 8:27:06 AM | 0.28 | 216 | 384 | 5 |
| 8/16/2012 8:28:06 AM | 0.28 | 215 | 383 | 5 |
| 8/16/2012 8:29:06 AM | 0.29 | 215 | 386 | 5 |
| 8/16/2012 8:30:06 AM | 0.28 | 215 | 387 | 5 |
| 8/16/2012 8:31:06 AM | 0.28 | 216 | 387 | 5 |
| 8/16/2012 8:32:06 AM | 0.28 | 216 | 388 | 5 |
| 8/16/2012 8:33:06 AM | 0.28 | 216 | 391 | 5 |
| 8/16/2012 8:34:06 AM | 0.28 | 215 | 392 | 5 |
| 8/16/2012 8:35:06 AM | 0.29 | 215 | 393 | 5 |
| 8/16/2012 8:36:06 AM | 0.29 | 215 | 393 | 5 |
| 8/16/2012 8:37:06 AM | 0.28 | 216 | 392 | 5 |
| 8/16/2012 8:38:06 AM | 0.28 | 217 | 394 | 5 |
| 8/16/2012 8:39:06 AM | 0.28 | 219 | 396 | 5 |
| 8/16/2012 8:40:06 AM | 0.28 | 220 | 397 | 5 |
| 8/16/2012 8:41:06 AM | 0.28 | 219 | 397 | 5 |
| 8/16/2012 8:42:06 AM | 0.28 | 219 | 397 | 5 |
| 8/16/2012 8:43:06 AM | 0.28 | 220 | 398 | 5 |
| 8/16/2012 8:44:06 AM | 0.28 | 222 | 397 | 5 |
| 8/16/2012 8:45:06 AM | 0.28 | 222 | 398 | 5 |
| 8/16/2012 8:46:06 AM | 0.28 | 222 | 398 | 5 |
| 8/16/2012 8:47:06 AM | 0.28 | 223 | 398 | 5 |
| 8/16/2012 8:48:06 AM | 0.28 | 223 | 399 | 5 |
| 8/16/2012 8:49:06 AM | 0.28 | 223 | 400 | 5 |
| 8/16/2012 8:50:06 AM | 0.28 | 223 | 401 | 5 |
| 8/16/2012 8:51:06 AM | 0.28 | 223 | 401 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 8:52:06 AM | 0.28 | 221 | 402 | 5 |
| 8/16/2012 8:53:06 AM | 0.28 | 220 | 401 | 5 |
| 8/16/2012 8:54:06 AM | 0.28 | 219 | 400 | 5 |
| 8/16/2012 8:55:06 AM | 0.29 | 219 | 397 | 5 |
| 8/16/2012 8:56:06 AM | 0.28 | 219 | 398 | 5 |
| 8/16/2012 8:57:06 AM | 0.28 | 218 | 398 | 5 |
| 8/16/2012 8:58:06 AM | 0.29 | 216 | 397 | 5 |
| 8/16/2012 8:59:06 AM | 0.29 | 214 | 393 | 5 |
| 8/16/2012 9:00:06 AM | 0.29 | 213 | 391 | 5 |
| 8/16/2012 9:01:06 AM | 0.29 | 212 | 390 | 5 |
| 8/16/2012 9:02:06 AM | 0.29 | 211 | 388 | 5 |
| 8/16/2012 9:03:06 AM | 0.29 | 210 | 385 | 5 |
| 8/16/2012 9:04:06 AM | 0.29 | 210 | 382 | 5 |
| 8/16/2012 9:05:06 AM | 0.29 | 211 | 384 | 4 |
| 8/16/2012 9:06:06 AM | 0.29 | 212 | 382 | 4 |
| 8/16/2012 9:07:06 AM | 0.29 | 212 | 381 | 4 |
| 8/16/2012 9:08:06 AM | 0.29 | 213 | 382 | 4 |
| 8/16/2012 9:09:06 AM | 0.29 | 212 | 381 | 4 |
| 8/16/2012 9:10:06 AM | 0.29 | 212 | 381 | 4 |
| 8/16/2012 9:11:06 AM | 0.29 | 213 | 380 | 4 |
| 8/16/2012 9:12:06 AM | 0.28 | 214 | 381 | 4 |
| 8/16/2012 9:13:06 AM | 0.29 | 214 | 382 | 4 |
| 8/16/2012 9:14:06 AM | 0.29 | 214 | 383 | 4 |
| 8/16/2012 9:15:06 AM | 0.29 | 213 | 382 | 4 |
| 8/16/2012 9:16:06 AM | 0.29 | 212 | 379 | 5 |
| 8/16/2012 9:17:06 AM | 0.29 | 211 | 377 | 5 |
| 8/16/2012 9:18:06 AM | 0.30 | 210 | 376 | 5 |
| 8/16/2012 9:19:06 AM | 0.29 | 210 | 373 | 5 |
| 8/16/2012 9:20:06 AM | 0.29 | 211 | 373 | 5 |
| 8/16/2012 9:21:06 AM | 0.30 | 210 | 373 | 5 |
| 8/16/2012 9:22:06 AM | 0.29 | 209 | 372 | 5 |
| 8/16/2012 9:23:06 AM | 0.29 | 210 | 371 | 5 |
| 8/16/2012 9:24:06 AM | 0.29 | 210 | 370 | 5 |
| 8/16/2012 9:25:06 AM | 0.29 | 210 | 369 | 5 |
| 8/16/2012 9:26:06 AM | 0.30 | 209 | 370 | 5 |
| 8/16/2012 9:27:06 AM | 0.30 | 208 | 369 | 5 |
| 8/16/2012 9:28:06 AM | 0.29 | 208 | 368 | 5 |
| 8/16/2012 9:29:06 AM | 0.30 | 207 | 367 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 9:30:06 AM | 0.29 | 207 | 366 | 5 |
| 8/16/2012 9:31:06 AM | 0.30 | 207 | 366 | 5 |
| 8/16/2012 9:32:06 AM | 0.30 | 208 | 366 | 5 |
| 8/16/2012 9:33:06 AM | 0.30 | 207 | 364 | 5 |
| 8/16/2012 9:34:06 AM | 0.30 | 207 | 363 | 5 |
| 8/16/2012 9:35:06 AM | 0.29 | 208 | 363 | 5 |
| 8/16/2012 9:36:06 AM | 0.29 | 209 | 366 | 5 |
| 8/16/2012 9:37:06 AM | 0.29 | 210 | 367 | 5 |
| 8/16/2012 9:38:06 AM | 0.30 | 211 | 367 | 5 |
| 8/16/2012 9:39:06 AM | 0.29 | 211 | 368 | 5 |
| 8/16/2012 9:40:06 AM | 0.30 | 211 | 368 | 5 |
| 8/16/2012 9:41:06 AM | 0.29 | 211 | 368 | 5 |
| 8/16/2012 9:42:06 AM | 0.29 | 211 | 367 | 5 |
| 8/16/2012 9:43:06 AM | 0.30 | 211 | 368 | 5 |
| 8/16/2012 9:44:06 AM | 0.30 | 210 | 367 | 5 |
| 8/16/2012 9:45:06 AM | 0.29 | 209 | 366 | 5 |
| 8/16/2012 9:46:06 AM | 0.30 | 210 | 366 | 5 |
| 8/16/2012 9:47:06 AM | 0.30 | 209 | 367 | 5 |
| 8/16/2012 9:48:06 AM | 0.30 | 208 | 367 | 5 |
| 8/16/2012 9:49:06 AM | 0.29 | 208 | 366 | 4 |
| 8/16/2012 9:50:06 AM | 0.30 | 208 | 366 | 4 |
| 8/16/2012 9:51:06 AM | 0.30 | 208 | 366 | 4 |
| 8/16/2012 9:52:06 AM | 0.30 | 209 | 366 | 4 |
| 8/16/2012 9:53:06 AM | 0.30 | 209 | 367 | 4 |
| 8/16/2012 9:54:06 AM | 0.29 | 209 | 367 | 4 |
| 8/16/2012 9:55:06 AM | 0.29 | 211 | 368 | 4 |
| 8/16/2012 9:56:06 AM | 0.29 | 212 | 370 | 4 |
| 8/16/2012 9:57:06 AM | 0.29 | 212 | 372 | 4 |
| 8/16/2012 9:58:06 AM | 0.29 | 212 | 372 | 4 |
| 8/16/2012 9:59:06 AM | 0.30 | 211 | 372 | 4 |
| 8/16/2012 10:00:06 AM | 0.29 | 212 | 372 | 4 |
| 8/16/2012 10:01:06 AM | 0.29 | 212 | 372 | 4 |
| 8/16/2012 10:02:06 AM | 0.30 | 211 | 372 | 5 |
| 8/16/2012 10:03:06 AM | 0.30 | 210 | 372 | 5 |
| 8/16/2012 10:04:06 AM | 0.29 | 211 | 371 | 5 |
| 8/16/2012 10:05:06 AM | 0.29 | 212 | 371 | 5 |
| 8/16/2012 10:06:06 AM | 0.29 | 212 | 372 | 5 |
| 8/16/2012 10:07:06 AM | 0.29 | 211 | 371 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 10:08:06 AM | 0.29 | 211 | 370 | 5 |
| 8/16/2012 10:09:06 AM | 0.29 | 211 | 371 | 5 |
| 8/16/2012 10:10:06 AM | 0.30 | 212 | 371 | 5 |
| 8/16/2012 10:11:06 AM | 0.30 | 212 | 371 | 5 |
| 8/16/2012 10:12:06 AM | 0.29 | 213 | 372 | 5 |
| 8/16/2012 10:13:06 AM | 0.30 | 213 | 373 | 5 |
| 8/16/2012 10:14:06 AM | 0.29 | 213 | 373 | 5 |
| 8/16/2012 10:15:06 AM | 0.29 | 215 | 376 | 5 |
| 8/16/2012 10:16:06 AM | 0.30 | 214 | 377 | 5 |
| 8/16/2012 10:17:06 AM | 0.30 | 214 | 378 | 5 |
| 8/16/2012 10:18:06 AM | 0.30 | 214 | 378 | 5 |
| 8/16/2012 10:19:06 AM | 0.29 | 215 | 378 | 5 |
| 8/16/2012 10:20:06 AM | 0.29 | 215 | 378 | 5 |
| 8/16/2012 10:21:06 AM | 0.29 | 215 | 377 | 5 |
| 8/16/2012 10:22:06 AM | 0.29 | 215 | 377 | 5 |
| 8/16/2012 10:23:06 AM | 0.29 | 215 | 377 | 4 |
| 8/16/2012 10:24:06 AM | 0.29 | 216 | 377 | 4 |
| 8/16/2012 10:25:06 AM | 0.29 | 217 | 378 | 4 |
| 8/16/2012 10:26:06 AM | 0.29 | 217 | 378 | 4 |
| 8/16/2012 10:27:06 AM | 0.29 | 217 | 378 | 4 |
| 8/16/2012 10:28:06 AM | 0.29 | 216 | 378 | 4 |
| 8/16/2012 10:29:06 AM | 0.29 | 217 | 377 | 4 |
| 8/16/2012 10:30:06 AM | 0.29 | 217 | 377 | 4 |
| 8/16/2012 10:31:06 AM | 0.28 | 218 | 377 | 4 |
| 8/16/2012 10:32:06 AM | 0.29 | 219 | 378 | 4 |
| 8/16/2012 10:33:06 AM | 0.28 | 219 | 378 | 4 |
| 8/16/2012 10:34:06 AM | 0.28 | 220 | 379 | 4 |
| 8/16/2012 10:35:06 AM | 0.28 | 220 | 379 | 4 |
| 8/16/2012 10:36:06 AM | 0.28 | 220 | 380 | 4 |
| 8/16/2012 10:37:06 AM | 0.28 | 220 | 379 | 4 |
| 8/16/2012 10:38:06 AM | 0.29 | 220 | 380 | 4 |
| 8/16/2012 10:39:06 AM | 0.29 | 219 | 382 | 4 |
| 8/16/2012 10:40:06 AM | 0.28 | 219 | 383 | 4 |
| 8/16/2012 10:41:06 AM | 0.28 | 219 | 383 | 4 |
| 8/16/2012 10:42:06 AM | 0.28 | 220 | 383 | 4 |
| 8/16/2012 10:43:06 AM | 0.28 | 220 | 383 | 4 |
| 8/16/2012 10:44:06 AM | 0.28 | 219 | 385 | 4 |
| 8/16/2012 10:45:06 AM | 0.29 | 219 | 386 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 10:46:06 AM | 0.29 | 218 | 389 | 4 |
| 8/16/2012 10:47:06 AM | 0.28 | 219 | 389 | 5 |
| 8/16/2012 10:48:06 AM | 0.28 | 219 | 391 | 5 |
| 8/16/2012 10:49:06 AM | 0.28 | 220 | 391 | 5 |
| 8/16/2012 10:50:06 AM | 0.28 | 219 | 392 | 5 |
| 8/16/2012 10:51:06 AM | 0.28 | 219 | 391 | 5 |
| 8/16/2012 10:52:06 AM | 0.28 | 220 | 391 | 4 |
| 8/16/2012 10:53:06 AM | 0.29 | 219 | 391 | 4 |
| 8/16/2012 10:54:06 AM | 0.29 | 218 | 390 | 4 |
| 8/16/2012 10:55:06 AM | 0.28 | 218 | 388 | 4 |
| 8/16/2012 10:56:06 AM | 0.28 | 219 | 389 | 4 |
| 8/16/2012 10:57:06 AM | 0.28 | 220 | 391 | 4 |
| 8/16/2012 10:58:06 AM | 0.28 | 220 | 391 | 4 |
| 8/16/2012 10:59:06 AM | 0.28 | 221 | 393 | 5 |
| 8/16/2012 11:00:06 AM | 0.29 | 220 | 393 | 5 |
| 8/16/2012 11:01:06 AM | 0.28 | 220 | 393 | 4 |
| 8/16/2012 11:02:06 AM | 0.28 | 220 | 393 | 4 |
| 8/16/2012 11:03:06 AM | 0.29 | 219 | 393 | 4 |
| 8/16/2012 11:04:06 AM | 0.28 | 219 | 395 | 4 |
| 8/16/2012 11:05:06 AM | 0.28 | 219 | 395 | 4 |
| 8/16/2012 11:06:06 AM | 0.29 | 218 | 395 | 4 |
| 8/16/2012 11:07:06 AM | 0.28 | 217 | 394 | 5 |
| 8/16/2012 11:08:06 AM | 0.28 | 216 | 394 | 5 |
| 8/16/2012 11:09:06 AM | 0.28 | 217 | 393 | 5 |
| 8/16/2012 11:10:06 AM | 0.28 | 217 | 392 | 4 |
| 8/16/2012 11:11:06 AM | 0.28 | 218 | 392 | 4 |
| 8/16/2012 11:12:06 AM | 0.28 | 218 | 391 | 4 |
| 8/16/2012 11:13:06 AM | 0.28 | 217 | 389 | 4 |
| 8/16/2012 11:14:06 AM | 0.29 | 216 | 387 | 4 |
| 8/16/2012 11:15:06 AM | 0.29 | 215 | 387 | 4 |
| 8/16/2012 11:16:06 AM | 0.29 | 214 | 385 | 4 |
| 8/16/2012 11:17:06 AM | 0.29 | 213 | 383 | 4 |
| 8/16/2012 11:18:06 AM | 0.29 | 212 | 382 | 4 |
| 8/16/2012 11:19:06 AM | 0.29 | 213 | 382 | 4 |
| 8/16/2012 11:20:06 AM | 0.29 | 213 | 383 | 4 |
| 8/16/2012 11:21:06 AM | 0.29 | 213 | 382 | 4 |
| 8/16/2012 11:22:06 AM | 0.30 | 213 | 383 | 4 |
| 8/16/2012 11:23:06 AM | 0.29 | 213 | 382 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 11:24:06 AM | 0.29 | 213 | 381 | 4 |
| 8/16/2012 11:25:06 AM | 0.29 | 214 | 380 | 4 |
| 8/16/2012 11:26:06 AM | 0.29 | 214 | 380 | 4 |
| 8/16/2012 11:27:06 AM | 0.29 | 214 | 380 | 4 |
| 8/16/2012 11:28:06 AM | 0.29 | 214 | 380 | 4 |
| 8/16/2012 11:29:06 AM | 0.29 | 213 | 378 | 4 |
| 8/16/2012 11:30:06 AM | 0.29 | 213 | 379 | 4 |
| 8/16/2012 11:31:06 AM | 0.29 | 213 | 378 | 4 |
| 8/16/2012 11:32:06 AM | 0.29 | 214 | 378 | 4 |
| 8/16/2012 11:33:06 AM | 0.29 | 214 | 377 | 4 |
| 8/16/2012 11:34:06 AM | 0.29 | 215 | 377 | 4 |
| 8/16/2012 11:35:06 AM | 0.30 | 215 | 378 | 4 |
| 8/16/2012 11:36:06 AM | 0.30 | 215 | 378 | 4 |
| 8/16/2012 11:37:06 AM | 0.29 | 214 | 377 | 4 |
| 8/16/2012 11:38:06 AM | 0.28 | 214 | 377 | 4 |
| 8/16/2012 11:39:06 AM | 0.29 | 215 | 377 | 4 |
| 8/16/2012 11:40:06 AM | 0.29 | 214 | 377 | 4 |
| 8/16/2012 11:41:06 AM | 0.29 | 215 | 377 | 4 |
| 8/16/2012 11:42:06 AM | 0.29 | 216 | 377 | 4 |
| 8/16/2012 11:43:06 AM | 0.29 | 216 | 378 | 4 |
| 8/16/2012 11:44:06 AM | 0.29 | 216 | 377 | 4 |
| 8/16/2012 11:45:06 AM | 0.29 | 216 | 377 | 4 |
| 8/16/2012 11:46:06 AM | 0.28 | 217 | 378 | 4 |
| 8/16/2012 11:47:06 AM | 0.29 | 218 | 379 | 4 |
| 8/16/2012 11:48:06 AM | 0.29 | 217 | 382 | 4 |
| 8/16/2012 11:49:06 AM | 0.29 | 216 | 382 | 4 |
| 8/16/2012 11:50:06 AM | 0.29 | 214 | 381 | 4 |
| 8/16/2012 11:51:06 AM | 0.30 | 214 | 381 | 4 |
| 8/16/2012 11:52:06 AM | 0.29 | 214 | 381 | 4 |
| 8/16/2012 11:53:06 AM | 0.29 | 213 | 380 | 4 |
| 8/16/2012 11:54:06 AM | 0.29 | 213 | 378 | 4 |
| 8/16/2012 11:55:06 AM | 0.30 | 214 | 379 | 4 |
| 8/16/2012 11:56:06 AM | 0.30 | 214 | 382 | 4 |
| 8/16/2012 11:57:06 AM | 0.29 | 214 | 382 | 4 |
| 8/16/2012 11:58:06 AM | 0.29 | 214 | 382 | 4 |
| 8/16/2012 11:59:06 AM | 0.29 | 215 | 382 | 4 |
| 8/16/2012 12:00:06 PM | 0.29 | 215 | 383 | 4 |
| 8/16/2012 12:01:06 PM | 0.30 | 214 | 383 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 12:02:06 PM | 0.29 | 213 | 382 | 4 |
| 8/16/2012 12:03:06 PM | 0.29 | 215 | 383 | 4 |
| 8/16/2012 12:04:06 PM | 0.29 | 215 | 383 | 4 |
| 8/16/2012 12:05:06 PM | 0.29 | 216 | 384 | 4 |
| 8/16/2012 12:06:06 PM | 0.30 | 216 | 384 | 4 |
| 8/16/2012 12:07:06 PM | 0.29 | 216 | 385 | 4 |
| 8/16/2012 12:08:06 PM | 0.29 | 215 | 385 | 4 |
| 8/16/2012 12:09:06 PM | 0.29 | 216 | 385 | 4 |
| 8/16/2012 12:10:06 PM | 0.29 | 216 | 387 | 4 |
| 8/16/2012 12:11:06 PM | 0.29 | 216 | 387 | 4 |
| 8/16/2012 12:12:06 PM | 0.29 | 215 | 387 | 4 |
| 8/16/2012 12:13:06 PM | 0.29 | 215 | 387 | 4 |
| 8/16/2012 12:14:06 PM | 0.29 | 214 | 388 | 4 |
| 8/16/2012 12:15:06 PM | 0.29 | 215 | 388 | 4 |
| 8/16/2012 12:16:06 PM | 0.29 | 214 | 388 | 4 |
| 8/16/2012 12:17:06 PM | 0.29 | 215 | 386 | 4 |
| 8/16/2012 12:18:06 PM | 0.29 | 216 | 386 | 4 |
| 8/16/2012 12:19:06 PM | 0.29 | 216 | 387 | 4 |
| 8/16/2012 12:20:06 PM | 0.29 | 216 | 388 | 4 |
| 8/16/2012 12:21:06 PM | 0.28 | 217 | 388 | 4 |
| 8/16/2012 12:22:06 PM | 0.29 | 218 | 389 | 4 |
| 8/16/2012 12:23:06 PM | 0.29 | 218 | 390 | 4 |
| 8/16/2012 12:24:06 PM | 0.29 | 218 | 390 | 4 |
| 8/16/2012 12:25:06 PM | 0.29 | 218 | 392 | 4 |
| 8/16/2012 12:26:06 PM | 0.29 | 218 | 393 | 4 |
| 8/16/2012 12:27:06 PM | 0.28 | 218 | 393 | 4 |
| 8/16/2012 12:28:06 PM | 0.28 | 218 | 394 | 4 |
| 8/16/2012 12:29:06 PM | 0.29 | 218 | 394 | 4 |
| 8/16/2012 12:30:06 PM | 0.29 | 218 | 395 | 4 |
| 8/16/2012 12:31:06 PM | 0.29 | 217 | 397 | 4 |
| 8/16/2012 12:32:06 PM | 0.29 | 217 | 396 | 4 |
| 8/16/2012 12:33:06 PM | 0.29 | 217 | 395 | 4 |
| 8/16/2012 12:34:06 PM | 0.29 | 216 | 394 | 4 |
| 8/16/2012 12:35:06 PM | 0.29 | 217 | 395 | 4 |
| 8/16/2012 12:36:06 PM | 0.29 | 218 | 394 | 4 |
| 8/16/2012 12:37:06 PM | 0.28 | 219 | 394 | 4 |
| 8/16/2012 12:38:06 PM | 0.29 | 219 | 394 | 4 |
| 8/16/2012 12:39:06 PM | 0.28 | 218 | 394 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 12:40:06 PM | 0.29 | 218 | 394 | 4 |
| 8/16/2012 12:41:06 PM | 0.29 | 217 | 393 | 4 |
| 8/16/2012 12:42:06 PM | 0.30 | 215 | 392 | 4 |
| 8/16/2012 12:43:06 PM | 0.30 | 214 | 390 | 4 |
| 8/16/2012 12:44:06 PM | 0.29 | 214 | 387 | 4 |
| 8/16/2012 12:45:06 PM | 0.29 | 215 | 386 | 4 |
| 8/16/2012 12:46:06 PM | 0.29 | 217 | 386 | 4 |
| 8/16/2012 12:47:06 PM | 0.30 | 215 | 384 | 4 |
| 8/16/2012 12:48:06 PM | 0.29 | 213 | 383 | 4 |
| 8/16/2012 12:49:06 PM | 0.29 | 212 | 383 | 4 |
| 8/16/2012 12:50:06 PM | 0.29 | 211 | 382 | 4 |
| 8/16/2012 12:51:06 PM | 0.29 | 210 | 379 | 4 |
| 8/16/2012 12:52:06 PM | 0.29 | 210 | 378 | 4 |
| 8/16/2012 12:53:06 PM | 0.29 | 211 | 378 | 4 |
| 8/16/2012 12:54:06 PM | 0.29 | 211 | 379 | 4 |
| 8/16/2012 12:55:06 PM | 0.29 | 212 | 377 | 4 |
| 8/16/2012 12:56:06 PM | 0.29 | 213 | 378 | 4 |
| 8/16/2012 12:57:06 PM | 0.29 | 214 | 378 | 4 |
| 8/16/2012 12:58:06 PM | 0.29 | 213 | 379 | 4 |
| 8/16/2012 12:59:06 PM | 0.30 | 213 | 379 | 4 |
| 8/16/2012 1:00:06 PM | 0.29 | 212 | 379 | 4 |
| 8/16/2012 1:01:06 PM | 0.29 | 212 | 378 | 4 |
| 8/16/2012 1:02:06 PM | 0.29 | 211 | 378 | 4 |
| 8/16/2012 1:03:06 PM | 0.29 | 211 | 378 | 4 |
| 8/16/2012 1:04:06 PM | 0.29 | 212 | 379 | 4 |
| 8/16/2012 1:05:06 PM | 0.29 | 211 | 378 | 4 |
| 8/16/2012 1:06:06 PM | 0.30 | 211 | 378 | 4 |
| 8/16/2012 1:07:06 PM | 0.30 | 211 | 379 | 4 |
| 8/16/2012 1:08:06 PM | 0.29 | 212 | 378 | 4 |
| 8/16/2012 1:09:06 PM | 0.29 | 212 | 380 | 4 |
| 8/16/2012 1:10:06 PM | 0.29 | 213 | 382 | 4 |
| 8/16/2012 1:11:06 PM | 0.29 | 212 | 382 | 4 |
| 8/16/2012 1:12:06 PM | 0.29 | 210 | 380 | 4 |
| 8/16/2012 1:13:06 PM | 0.29 | 209 | 379 | 4 |
| 8/16/2012 1:14:06 PM | 0.29 | 207 | 378 | 4 |
| 8/16/2012 1:15:06 PM | 0.30 | 207 | 377 | 4 |
| 8/16/2012 1:16:06 PM | 0.31 | 206 | 377 | 4 |
| 8/16/2012 1:17:06 PM | 0.29 | 204 | 377 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 1:18:06 PM | 0.30 | 204 | 377 | 4 |
| 8/16/2012 1:19:06 PM | 0.30 | 203 | 377 | 4 |
| 8/16/2012 1:20:06 PM | 0.30 | 202 | 377 | 4 |
| 8/16/2012 1:21:06 PM | 0.30 | 201 | 376 | 4 |
| 8/16/2012 1:22:06 PM | 0.30 | 199 | 376 | 4 |
| 8/16/2012 1:23:06 PM | 0.30 | 198 | 374 | 4 |
| 8/16/2012 1:24:06 PM | 0.30 | 197 | 374 | 4 |
| 8/16/2012 1:25:06 PM | 0.30 | 197 | 373 | 4 |
| 8/16/2012 1:26:06 PM | 0.30 | 197 | 373 | 4 |
| 8/16/2012 1:27:06 PM | 0.30 | 197 | 373 | 4 |
| 8/16/2012 1:28:06 PM | 0.30 | 198 | 373 | 4 |
| 8/16/2012 1:29:06 PM | 0.30 | 199 | 373 | 4 |
| 8/16/2012 1:30:06 PM | 0.30 | 201 | 371 | 4 |
| 8/16/2012 1:31:06 PM | 0.29 | 203 | 372 | 4 |
| 8/16/2012 1:32:06 PM | 0.29 | 204 | 372 | 4 |
| 8/16/2012 1:33:06 PM | 0.30 | 204 | 372 | 4 |
| 8/16/2012 1:34:06 PM | 0.29 | 205 | 373 | 4 |
| 8/16/2012 1:35:06 PM | 0.29 | 207 | 373 | 5 |
| 8/16/2012 1:36:06 PM | 0.29 | 207 | 375 | 5 |
| 8/16/2012 1:37:06 PM | 0.28 | 210 | 375 | 5 |
| 8/16/2012 1:38:06 PM | 0.28 | 212 | 377 | 5 |
| 8/16/2012 1:39:06 PM | 0.28 | 213 | 379 | 5 |
| 8/16/2012 1:40:06 PM | 0.28 | 214 | 381 | 5 |
| 8/16/2012 1:41:06 PM | 0.28 | 214 | 381 | 5 |
| 8/16/2012 1:42:06 PM | 0.28 | 214 | 382 | 5 |
| 8/16/2012 1:43:06 PM | 0.28 | 214 | 382 | 5 |
| 8/16/2012 1:44:06 PM | 0.29 | 215 | 382 | 5 |
| 8/16/2012 1:45:06 PM | 0.29 | 215 | 382 | 5 |
| 8/16/2012 1:46:06 PM | 0.28 | 215 | 382 | 5 |
| 8/16/2012 1:47:06 PM | 0.28 | 214 | 382 | 5 |
| 8/16/2012 1:48:06 PM | 0.29 | 214 | 382 | 5 |
| 8/16/2012 1:49:06 PM | 0.28 | 213 | 380 | 5 |
| 8/16/2012 1:50:06 PM | 0.29 | 213 | 380 | 5 |
| 8/16/2012 1:51:06 PM | 0.29 | 212 | 379 | 5 |
| 8/16/2012 1:52:06 PM | 0.29 | 212 | 379 | 5 |
| 8/16/2012 1:53:06 PM | 0.29 | 212 | 379 | 5 |
| 8/16/2012 1:54:06 PM | 0.29 | 211 | 377 | 5 |
| 8/16/2012 1:55:06 PM | 0.30 | 210 | 378 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 1:56:06 PM | 0.29 | 210 | 377 | 5 |
| 8/16/2012 1:57:06 PM | 0.29 | 211 | 377 | 5 |
| 8/16/2012 1:58:06 PM | 0.29 | 211 | 377 | 5 |
| 8/16/2012 1:59:06 PM | 0.29 | 211 | 377 | 5 |
| 8/16/2012 2:00:06 PM | 0.29 | 211 | 377 | 5 |
| 8/16/2012 2:01:06 PM | 0.29 | 211 | 377 | 5 |
| 8/16/2012 2:02:06 PM | 0.30 | 211 | 376 | 5 |
| 8/16/2012 2:03:06 PM | 0.29 | 211 | 375 | 5 |
| 8/16/2012 2:04:06 PM | 0.29 | 212 | 376 | 5 |
| 8/16/2012 2:05:06 PM | 0.28 | 213 | 377 | 5 |
| 8/16/2012 2:06:06 PM | 0.29 | 213 | 376 | 5 |
| 8/16/2012 2:07:06 PM | 0.29 | 212 | 377 | 5 |
| 8/16/2012 2:08:06 PM | 0.29 | 211 | 376 | 5 |
| 8/16/2012 2:09:06 PM | 0.29 | 211 | 374 | 5 |
| 8/16/2012 2:10:06 PM | 0.29 | 211 | 374 | 5 |
| 8/16/2012 2:11:06 PM | 0.29 | 211 | 374 | 5 |
| 8/16/2012 2:12:06 PM | 0.29 | 211 | 374 | 5 |
| 8/16/2012 2:13:06 PM | 0.29 | 212 | 374 | 5 |
| 8/16/2012 2:14:06 PM | 0.28 | 213 | 374 | 5 |
| 8/16/2012 2:15:06 PM | 0.29 | 213 | 374 | 5 |
| 8/16/2012 2:16:06 PM | 0.29 | 213 | 374 | 5 |
| 8/16/2012 2:17:06 PM | 0.29 | 211 | 373 | 5 |
| 8/16/2012 2:18:06 PM | 0.30 | 210 | 374 | 5 |
| 8/16/2012 2:19:06 PM | 0.29 | 210 | 372 | 4 |
| 8/16/2012 2:20:06 PM | 0.29 | 210 | 374 | 4 |
| 8/16/2012 2:21:06 PM | 0.29 | 212 | 375 | 4 |
| 8/16/2012 2:22:06 PM | 0.29 | 213 | 376 | 4 |
| 8/16/2012 2:23:06 PM | 0.29 | 212 | 377 | 4 |
| 8/16/2012 2:24:06 PM | 0.29 | 211 | 377 | 4 |
| 8/16/2012 2:25:06 PM | 0.29 | 212 | 377 | 4 |
| 8/16/2012 2:26:06 PM | 0.29 | 211 | 379 | 4 |
| 8/16/2012 2:27:06 PM | 0.29 | 210 | 379 | 4 |
| 8/16/2012 2:28:06 PM | 0.29 | 211 | 381 | 4 |
| 8/16/2012 2:29:06 PM | 0.29 | 211 | 381 | 4 |
| 8/16/2012 2:30:06 PM | 0.29 | 211 | 381 | 4 |
| 8/16/2012 2:31:06 PM | 0.30 | 211 | 381 | 4 |
| 8/16/2012 2:32:06 PM | 0.30 | 210 | 381 | 4 |
| 8/16/2012 2:33:06 PM | 0.30 | 209 | 378 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 2:34:06 PM | 0.29 | 209 | 379 | 5 |
| 8/16/2012 2:35:06 PM | 0.30 | 207 | 378 | 5 |
| 8/16/2012 2:36:06 PM | 0.30 | 206 | 376 | 5 |
| 8/16/2012 2:37:06 PM | 0.30 | 204 | 375 | 5 |
| 8/16/2012 2:38:06 PM | 0.30 | 204 | 374 | 5 |
| 8/16/2012 2:39:06 PM | 0.30 | 202 | 372 | 5 |
| 8/16/2012 2:40:06 PM | 0.29 | 203 | 371 | 5 |
| 8/16/2012 2:41:06 PM | 0.30 | 203 | 372 | 5 |
| 8/16/2012 2:42:06 PM | 0.30 | 203 | 371 | 5 |
| 8/16/2012 2:43:06 PM | 0.30 | 203 | 371 | 5 |
| 8/16/2012 2:44:06 PM | 0.30 | 202 | 370 | 5 |
| 8/16/2012 2:45:06 PM | 0.30 | 202 | 369 | 5 |
| 8/16/2012 2:46:06 PM | 0.29 | 203 | 369 | 5 |
| 8/16/2012 2:47:06 PM | 0.30 | 204 | 369 | 5 |
| 8/16/2012 2:48:06 PM | 0.30 | 204 | 370 | 5 |
| 8/16/2012 2:49:06 PM | 0.29 | 204 | 370 | 5 |
| 8/16/2012 2:50:06 PM | 0.29 | 204 | 369 | 5 |
| 8/16/2012 2:51:06 PM | 0.29 | 205 | 371 | 5 |
| 8/16/2012 2:52:06 PM | 0.29 | 206 | 372 | 5 |
| 8/16/2012 2:53:06 PM | 0.29 | 205 | 371 | 5 |
| 8/16/2012 2:54:06 PM | 0.29 | 204 | 371 | 5 |
| 8/16/2012 2:55:06 PM | 0.29 | 205 | 370 | 5 |
| 8/16/2012 2:56:06 PM | 0.30 | 205 | 368 | 5 |
| 8/16/2012 2:57:06 PM | 0.29 | 204 | 368 | 5 |
| 8/16/2012 2:58:06 PM | 0.29 | 204 | 367 | 5 |
| 8/16/2012 2:59:06 PM | 0.29 | 205 | 368 | 5 |
| 8/16/2012 3:00:06 PM | 0.29 | 205 | 368 | 5 |
| 8/16/2012 3:01:06 PM | 0.29 | 206 | 368 | 5 |
| 8/16/2012 3:02:06 PM | 0.29 | 207 | 368 | 5 |
| 8/16/2012 3:03:06 PM | 0.29 | 208 | 369 | 5 |
| 8/16/2012 3:04:06 PM | 0.29 | 208 | 369 | 5 |
| 8/16/2012 3:05:06 PM | 0.29 | 208 | 369 | 5 |
| 8/16/2012 3:06:06 PM | 0.29 | 208 | 368 | 5 |
| 8/16/2012 3:07:06 PM | 0.29 | 209 | 368 | 5 |
| 8/16/2012 3:08:06 PM | 0.29 | 210 | 369 | 4 |
| 8/16/2012 3:09:06 PM | 0.29 | 210 | 368 | 4 |
| 8/16/2012 3:10:06 PM | 0.29 | 211 | 370 | 5 |
| 8/16/2012 3:11:06 PM | 0.29 | 210 | 369 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 3:12:06 PM | 0.29 | 211 | 370 | 5 |
| 8/16/2012 3:13:06 PM | 0.29 | 211 | 371 | 5 |
| 8/16/2012 3:14:06 PM | 0.29 | 210 | 371 | 5 |
| 8/16/2012 3:15:06 PM | 0.29 | 210 | 370 | 5 |
| 8/16/2012 3:16:06 PM | 0.30 | 209 | 369 | 5 |
| 8/16/2012 3:17:06 PM | 0.29 | 208 | 370 | 5 |
| 8/16/2012 3:18:06 PM | 0.29 | 206 | 368 | 5 |
| 8/16/2012 3:19:06 PM | 0.29 | 205 | 367 | 4 |
| 8/16/2012 3:20:06 PM | 0.29 | 205 | 367 | 4 |
| 8/16/2012 3:21:06 PM | 0.29 | 204 | 366 | 4 |
| 8/16/2012 3:22:06 PM | 0.29 | 205 | 366 | 4 |
| 8/16/2012 3:23:06 PM | 0.29 | 205 | 366 | 4 |
| 8/16/2012 3:24:06 PM | 0.29 | 206 | 365 | 4 |
| 8/16/2012 3:25:06 PM | 0.29 | 206 | 368 | 4 |
| 8/16/2012 3:26:06 PM | 0.29 | 205 | 366 | 5 |
| 8/16/2012 3:27:06 PM | 0.29 | 205 | 365 | 5 |
| 8/16/2012 3:28:06 PM | 0.29 | 205 | 365 | 4 |
| 8/16/2012 3:29:06 PM | 0.29 | 205 | 367 | 4 |
| 8/16/2012 3:30:06 PM | 0.29 | 205 | 367 | 4 |
| 8/16/2012 3:31:06 PM | 0.30 | 205 | 367 | 4 |
| 8/16/2012 3:32:06 PM | 0.29 | 204 | 367 | 4 |
| 8/16/2012 3:33:06 PM | 0.29 | 205 | 367 | 4 |
| 8/16/2012 3:34:06 PM | 0.29 | 205 | 368 | 4 |
| 8/16/2012 3:35:06 PM | 0.29 | 204 | 368 | 4 |
| 8/16/2012 3:36:06 PM | 0.29 | 204 | 367 | 4 |
| 8/16/2012 3:37:06 PM | 0.29 | 203 | 368 | 4 |
| 8/16/2012 3:38:06 PM | 0.29 | 205 | 369 | 4 |
| 8/16/2012 3:39:06 PM | 0.29 | 204 | 370 | 4 |
| 8/16/2012 3:40:06 PM | 0.29 | 204 | 370 | 4 |
| 8/16/2012 3:41:06 PM | 0.29 | 203 | 370 | 4 |
| 8/16/2012 3:42:06 PM | 0.29 | 203 | 370 | 4 |
| 8/16/2012 3:43:06 PM | 0.29 | 202 | 368 | 5 |
| 8/16/2012 3:44:06 PM | 0.29 | 201 | 368 | 5 |
| 8/16/2012 3:45:06 PM | 0.29 | 201 | 367 | 5 |
| 8/16/2012 3:46:06 PM | 0.29 | 201 | 368 | 5 |
| 8/16/2012 3:47:06 PM | 0.30 | 201 | 367 | 5 |
| 8/16/2012 3:48:06 PM | 0.29 | 200 | 367 | 5 |
| 8/16/2012 3:49:06 PM | 0.30 | 201 | 367 | 5 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 3:50:06 PM | 0.29 | 201 | 367 | 5 |
| 8/16/2012 3:51:06 PM | 0.30 | 199 | 367 | 5 |
| 8/16/2012 3:52:06 PM | 0.30 | 199 | 365 | 5 |
| 8/16/2012 3:53:06 PM | 0.30 | 198 | 363 | 5 |
| 8/16/2012 3:54:06 PM | 0.30 | 198 | 362 | 5 |
| 8/16/2012 3:55:06 PM | 0.29 | 199 | 362 | 5 |
| 8/16/2012 3:56:06 PM | 0.29 | 200 | 362 | 5 |
| 8/16/2012 3:57:06 PM | 0.29 | 200 | 362 | 5 |
| 8/16/2012 3:58:06 PM | 0.30 | 199 | 362 | 5 |
| 8/16/2012 3:59:06 PM | 0.30 | 199 | 362 | 5 |
| 8/16/2012 4:00:06 PM | 0.30 | 198 | 362 | 5 |
| 8/16/2012 4:01:06 PM | 0.30 | 197 | 361 | 5 |
| 8/16/2012 4:02:06 PM | 0.30 | 197 | 360 | 5 |
| 8/16/2012 4:03:06 PM | 0.30 | 197 | 361 | 5 |
| 8/16/2012 4:04:06 PM | 0.30 | 198 | 362 | 5 |
| 8/16/2012 4:05:06 PM | 0.30 | 198 | 362 | 5 |
| 8/16/2012 4:06:06 PM | 0.30 | 198 | 362 | 5 |
| 8/16/2012 4:07:06 PM | 0.30 | 199 | 362 | 5 |
| 8/16/2012 4:08:06 PM | 0.29 | 199 | 363 | 5 |
| 8/16/2012 4:09:06 PM | 0.30 | 200 | 363 | 5 |
| 8/16/2012 4:10:06 PM | 0.29 | 200 | 366 | 5 |
| 8/16/2012 4:11:06 PM | 0.30 | 200 | 363 | 5 |
| 8/16/2012 4:12:06 PM | 0.30 | 198 | 363 | 5 |
| 8/16/2012 4:13:06 PM | 0.30 | 197 | 362 | 5 |
| 8/16/2012 4:14:06 PM | 0.30 | 198 | 362 | 5 |
| 8/16/2012 4:15:06 PM | 0.30 | 198 | 362 | 5 |
| 8/16/2012 4:16:06 PM | 0.30 | 198 | 362 | 5 |
| 8/16/2012 4:17:06 PM | 0.30 | 197 | 362 | 5 |
| 8/16/2012 4:18:06 PM | 0.30 | 197 | 363 | 5 |
| 8/16/2012 4:19:06 PM | 0.29 | 197 | 364 | 5 |
| 8/16/2012 4:20:06 PM | 0.29 | 198 | 364 | 5 |
| 8/16/2012 4:21:06 PM | 0.29 | 201 | 366 | 5 |
| 8/16/2012 4:22:06 PM | 0.29 | 202 | 367 | 4 |
| 8/16/2012 4:23:06 PM | 0.29 | 202 | 367 | 4 |
| 8/16/2012 4:24:06 PM | 0.29 | 204 | 369 | 4 |
| 8/16/2012 4:25:06 PM | 0.29 | 205 | 371 | 4 |
| 8/16/2012 4:26:06 PM | 0.29 | 205 | 372 | 4 |
| 8/16/2012 4:27:06 PM | 0.28 | 206 | 372 | 4 |

## Instrumental Analyzer Monitoring Data

| | | | |
|---|---|---|---|
| **Facility/Site:** | Global South Portland | **Start Date:** | **16-Aug-12** |
| **Source:** | Asphalt Tank #9 | **End Date:** | **16-Aug-12** |
| | | **Start Time:** | **0:00** |
| | | **End Time:** | **16:52** |

| Date / Time | Delta P (IWC) | Temp (°F) | THC (Propane) (ppm) | Methane (ppm) |
|---|---|---|---|---|
| 8/16/2012 4:28:06 PM | 0.29 | 207 | 373 | 4 |
| 8/16/2012 4:29:06 PM | 0.29 | 208 | 373 | 4 |
| 8/16/2012 4:30:06 PM | 0.29 | 208 | 373 | 4 |
| 8/16/2012 4:31:06 PM | 0.29 | 209 | 375 | 4 |
| 8/16/2012 4:32:06 PM | 0.29 | 209 | 376 | 4 |
| 8/16/2012 4:33:06 PM | 0.29 | 210 | 377 | 4 |
| 8/16/2012 4:34:06 PM | 0.29 | 210 | 376 | 4 |
| 8/16/2012 4:35:06 PM | 0.29 | 210 | 375 | 4 |
| 8/16/2012 4:36:06 PM | 0.29 | 210 | 376 | 4 |
| 8/16/2012 4:37:06 PM | 0.29 | 210 | 375 | 4 |
| 8/16/2012 4:38:06 PM | 0.29 | 210 | 376 | 5 |
| 8/16/2012 4:39:06 PM | 0.29 | 209 | 376 | 5 |
| 8/16/2012 4:40:06 PM | 0.29 | 209 | 373 | 5 |
| 8/16/2012 4:41:06 PM | 0.29 | 210 | 373 | 5 |
| 8/16/2012 4:42:06 PM | 0.29 | 210 | 373 | 5 |
| 8/16/2012 4:43:06 PM | 0.29 | 211 | 373 | 5 |
| 8/16/2012 4:44:06 PM | 0.28 | 213 | 373 | 5 |
| 8/16/2012 4:45:06 PM | 0.28 | 214 | 373 | 5 |
| 8/16/2012 4:46:06 PM | 0.28 | 215 | 375 | 5 |
| 8/16/2012 4:47:06 PM | 0.28 | 214 | 375 | 5 |
| 8/16/2012 4:48:06 PM | 0.29 | 214 | 377 | 5 |
| 8/16/2012 4:49:06 PM | 0.28 | 215 | 377 | 5 |
| 8/16/2012 4:50:06 PM | 0.28 | 215 | 378 | 5 |
| 8/16/2012 4:51:06 PM | 0.29 | 214 | 377 | 5 |
| 8/16/2012 4:52:06 PM | 0.29 | 214 | 355 | 5 |
| Averages | 0.29 | 210 | 378 | 5 |